

## Author Index 1996

- Abarbri M.** see Thibonnet J. 7507
- Abboud K.** see Butora G. 8155
- Abdallah M. A.** see Wong-Lun-Sang S. 3329
- Abdaoui M.** Dewynter G. and Montero J.-L. Expedient synthesis of 2-chloroethylnitrososulfamides (CENS) via the decarboxylative reopening of sulfamoyloxazolidinones 5695
- Abdelaziz S.** see Said B. 179
- Abdul-Malik N. F.** see Davis F. A. 3267
- Abdul Malik K. M.** see Black G. P. 6943
- Abe H.** see Suzuki H. 3717
- Abe K.** see Tsukahara K. 3149
- Abe K.** see Yano M. 9207
- Abe M., Ikeda M., Shirodai Y., and Nojima M.** Regio- and stereo-selective formation of 2-siloxy-2-alkoxyacetanes in the photoreaction of cyclic ketene silyl acetals with 2-naphthaldehyde and their transformation to aldol-type adducts 5901
- Abe M., Nojima M., and Oku A.** Photoinduced electron transfer reactions of cyclopropanone acetal with conjugated enones in the presence of a redox-type photosensitizer 1833
- Abenhaim D.** see Díaz-Ortiz A. 1695
- Abiko A. and Masamune S.** The asymmetric Horner-Emmons reaction using a benzopyrano-isoxazolidine auxiliary 1077
- Abiko A. and Masamune S.** Synthesis of (+)-siphonarienone: asymmetric alkylation using a chiral benzopyrano-isoxazolidine auxiliary 1081
- About-Jaudet E.** see Al-Badri H. 2951
- Abraham J. A.** see Chen M.-H. 5233
- Abraham W.** see Jacobi D. 7493
- Abramovich Z.** see Haddad N. 3521
- Abrell L. M., Borgeson B., and Crews P.** Chloro polyketides from the cultured fungus (*Aspergillus*) separated from a marine sponge 2331
- Abrell L. M., Borgeson B., and Crews P.** A new polyketide, secocurvularin, from the salt water culture of a sponge derived fungus 8983
- Aceña J. L., de Alba E., Arjona O., and Plumet J.** A stereodivergent synthesis of ( $\pm$ )-cyclophellitol and ( $1R^*,6S^*$ )-cyclophellitol from the 7-oxabicyclo[2.2.1]hept-5-ene-2-endo-carboxylic acid 3043
- Aceña J. L., Arjona O., Iradier F., and Plumet J.** A convenient approach to the aminocyclitol fragment of pancratistatin from 7-oxanorbornenes 105
- Aceña J. L., Arjona O., León M., and Plumet J.** Polypropionate from 7-oxanorbornene derivatives. A stereoselective and divergent synthesis of fragments with four contiguous chiral centers 8957
- Acevedo O. L., and Andrews R. S.** Synthesis of propane-2,3-diol combinatorial monomers 3931
- Achab S.** A three-component coupling approach to the marine bis-indole alkaloids: topsentin, deoxytopsentin and bromotopsentin 5503
- Achari B.** see Maiti S. 8061
- Achmatowicz B., Jankowski P., and Wicha J.** Enantioselective syntheses of a 1 $\alpha$ -hydroxyvitamin D ring A precursor from 3-(triphenylsilyl)glycidol and from malic acid 5589
- Ackland M. J., Danks T. N., and Howells M. E.** Conversion of (1-heterodiene)tricarbonyliron(0) complexes into (2-amino-homodiene)tricarbonyliron(0) complexes 691
- Acton, III J. J., and Jones A. B.** Synthesis and derivatization of a versatile  $\alpha$ -substituted lactam dipeptide isostere 4319
- Adachi H.** see Hosoya Y. 9227
- Adachi M., Sasatani T., Chomei N., and Takada S.** Intermolecular transfer of an alkenyl group in enamines: application to synthesis of [b]-fused pyridines 8871
- Adam P.** see Lemoine S. 2837
- Adam W., Bottle S. E., Grice I. D., Pfeiler D., and Wentrup C.** The cheletropic trapping of nitric oxide by the bis-ketene 1,2-dicarbonylcyclohexa-3,5-diene and the diene 3,4-diphenyl-2,5-dimethyl-2,4-hexadiene 2113
- Adam W., Fell R. T., Mock-Knobauch C., and Saha-Möller C. R.** Synthesis of optically active  $\alpha$ -hydroxycarbonyl compounds by (salen)Mn(III)-catalyzed oxidation of silyl enol ethers and silyl ketene acetals 6531
- Adamczyk M., and Fishpaugh J. R.** A solid supported synthesis of thiol esters 4305
- Adamczyk M., and Fishpaugh J. R.** Expedited synthesis of Mosher amides using a solid supported carbodiimide 7171
- Adamczyk M., and Grote J.** *Pseudomonas cepacia* lipase mediated amidation of benzyl esters 7913

- Adamczyk M. and Reddy R. E.**  
Preparation of 2-carboxy-3,4-substituted pyrrole haptens and synthesis of porphobilinogen 2325
- Adams G.** see Bernotas R. C. 7339
- Adams G.** see Bernotas R. C. 7343
- Adger B., Dyer U., Hutton G. and Woods M.**  
Stereospecific synthesis of the anaesthetic levobupivacaine 6399
- Adinolfi M., Barone G., De Napoli L., Iadonisi A. and Piccialli G.**  
Solid phase synthesis of oligosaccharides 5007
- Adinolfi M., Iadonisi A. and Mangoni L.**  
A direct conversion of aldochexopyranose to ketohexopyranose benzyl derivatives by Meerwein-Ponndorf/Oppenauer reaction induced by air-oxidised samarium diiodide 5987
- Adiyaman M., Lawson J. A., Hwang S.-W., Khanapure S. P., Fitzgerald G. A. and Rokach J.**  
Total synthesis of a novel isoprostanate  $\text{IPF}_{2\mu}\text{-I}$  and its identification in biological fluids 4849
- Adiyaman M.** see Hwang S.-W. 779
- Adjé N., Vogeleisen F. and Uguen D.**  
Improved conditions for the Kiliani-Fischer synthesis 5893
- Afarinkia K., Ansari M.-R., Bird C. W. and Gyambibi I.**  
A reinvestigation of the structure of the erythro and xanthoapocyanine dyes: some unusual aspects of quinoline chemistry 4801
- Ágai B.** see Cseri T. 1473
- Agami C., Couty F. and Mathieu H.**  
Cyclization of a chiral oxazolidine as a key-step for the synthesis of functionalized piperidines 4001
- Ageta H.** see Arai Y. 4381
- Aggarwal V. K. and Vennall G. P.**  
Scandium trifluoromethanesulfonate, a novel catalyst for the addition of allyltrimethylsilane to aldehydes 3745
- Agosta W. C.** see Lu Q. 8629
- Agrawal S.** see Iyer R. P. 1539
- Agrawal S.** see Iyer R. P. 1543
- Agrios K.** see Engler T. A. 327
- Agrios K. A.** see Hoemann M. Z. 953
- Agudelo F.** see Paredes R. 1965
- Ahiko T.** see Ishiyama T. 6889
- Ähman J. and Somfai P.**  
A novel rearrangement of *N*-propargyl vinylaziridines. Mechanistic diversity in the aza-[2,3]-Wittig rearrangement 2495
- Ahmed S. and Boruah R. C.**  
An efficient conversion of conjugated oximes into substituted pyridines under Vilsmeier conditions 8231
- Ahn E. J.** see Kang S. B. 9317
- Ahn K. H.** see Park J. 6137
- Ahn S.-J.** see Jin M.-J. 8767
- Ahn Y.-G.** see Ha H.-J. 7069
- Ahn Y. H.** see Kim K. S. 1249
- Ahond A.** see Al Mourabit A. 9189
- Aida T.** see Ito A. 2585
- Aiguadé J.** see González Á. 8949
- Aihara H.** see Hojo M. 9241
- Aimar M. L. and Rossi R. H.**  
One-pot synthesis of 5-alkylthio-3*H*-1,2-dithiole-3-thiones 2137
- Aires-de-Sousa J., Lobo A. M. and Prabhakar S.**  
A new enantioselective synthesis of *N*-arylamidative cleavage of polyethyleneglycol-bound peptides 6421
- Ajisaka K.** see Matsuo I. 8795
- Akagi M.** see Urata H. 5551
- Akahori Y.** see Sato I. 5135
- Akai S.** see Kita Y. 1817
- Akai S.** see Kita Y. 7369
- Akai S.** see Kita Y. 7545
- Akaji M.** see Ibuka T. 2849
- Akamatsu H.** see Kobayashi K. 2437
- Akao K.** see Araki K. 73
- Akao K.** see Ikeda A. 1621
- Akhrem I., Churilova I., Bernadyuk S. and Vol'pin M.**  
An effective formylation of adamantane with CO initiated by the aprotic organic superacid  $\text{CBr}_4\bullet 2\text{AlBr}_3$  under mild conditions 5775
- Akhrem I.** see Orlinkov A. 3363
- Akiba K.** see Kajiyama K. 8409
- Akiyama R.** see Kobayashi S. 7783
- Al-Abed Y., Naz N., Mootoo D. and Voelter W.**  
4-O-TfO-2,3-anhydro- $\beta$ -L-ribopyranosides as chiron: a formal synthesis of canadensolide 8641
- Al-Badri H., About-Jaudet E. and Collignon N.**  
Unusual and efficient (*Z*)-stereoselective Peterson synthesis of 2-diehtoxyphosphoryl-1-alkoxy-3-methylpenta-1,3-dienes. Their use in the Diels-Alder reaction 2951
- Alajarín M., Molina P. and Vidal A.**  
Intramolecular [2 + 2] cycloaddition of ketenimines with imines 8945
- Alami M., Ferri F. and Gaslain Y.**  
A two-step synthesis of terbinafine 57
- Alami M. and Ferri F.**  
A convenient route to unsymmetrical conjugated dynes 2763
- Alami M.** see Ferri F. 7971
- Alami M.** see Mladenova M. 6547
- Alayrac C., Cerreta F., Chapron I., Corbin F. and Metzner P.**  
Thiophilic addition of organolithiums to aliphatic sulfinates 4507
- Albericio F.** see Alsina J. 4195
- Albert R.** see Said B. 179
- Alberti A.** see Chatgilialoglu C. 6391
- Albrecht P.** see Lemoine S. 2837
- Alcaide B., Polanco C. and Sierra M. A.**  
Synthesis of fused tricyclic  $\beta$ -lactams by the Pauson-Khand cyclization of enyne-2-azetidinones 6901
- Alcaraz L., Macdonald G., Kapfer I., Lewis N. J. and Taylor R. J. K.**  
The first total synthesis of a member of the manumycin family of antibiotics: alisamycin 6619
- Al Dulayymi J. R., Baird M. S., Bolesov I. G., Teresovsky V. and Rubin M.**  
A simple and efficient hydrodehalogenation of 1,1-dihalocyclopropanes 8933
- Alewood P. F.** see Englebretsen D. R. 8431
- Alewood P. F.** see Meutermans W. D. F. 4765
- Alexakis A.** see Raussou S. 1599
- Alexander C. W. and Liotta D. C.**  
A diastereoselective synthesis of (2*S*, 3*R*, 4*S*)-2-amino-1-cyclohexyl-6-methylheptane-3,4-diol, the Abbott aminodiol 1961
- Allais D. P.** see Comte G. 2955

- Allanson N.** see Chan T. Y. 8097
- Allen A. and Anselme J.-P.** An unprecedented Favorski-like ring contraction of the 1,3,4-oxadiazinone ring to a bimane 5039
- Allen J. V. and Williams J. M. J.** Dynamic kinetic resolution with enzyme and palladium combinations 1859
- Allin S. M. and Shuttleworth S. J.** The preparation and first application of a polymer-supported 'Evans' oxazolidinone 8023
- Almaraz M.** see Raposo C. 1485
- Almaraz M.** see Raposo C. 6947
- Al Mourabit A., Poujol H., Poupat C., Ahond A. and Potier P.** Chemistry of taxoids: one-step functionalization of the positions 1, 2, 9 and 10 from the selectively protected 5-O-cinnamoyltaxicine I 9189
- Alonso F. and Yus M.** Hydrogenation of olefins with hydrated nickel chloride, lithium and a catalytic amount of naphthalene 6925
- Alonso I., Khiar N. and Martín-Lomas M.** A new promoter system for the sulfoxide glycosylation reaction 1477
- Alonso M. Á.** see Pérez J. M. 6955
- Aloui M.** see Kartha K. P. R. 5175
- Aloui M.** see Kartha K. P. R. 8807
- Alper H.** see Okuro K. 2713
- Alper P. B., Hung S.-C. and Wong C.-H.** Metal catalyzed diazo transfer for the synthesis of azides from amines 6029
- Alphand V., Gaggero N., Colonna S. and Furstoss R.** Microbiological transformations—XXXV. Enantioselective one-step preparative scale synthesis of 1,3-dithiane-1-oxide via whole-cell bacterial oxidation 6117
- Alphand V.** see Lebreton J. 1011
- Alphand V.** see Viallo P. 4519
- Alsina J., Giralt E. and Albericio F.** Use of *N*-tritylaminos acids and PyAOP for the suppression of diketopiperazine formation in Fmoc/Bu solid-phase peptide synthesis using alkoxybenzyl ester anchoring linkages 4195
- Alvarez E., Delgado M., Díaz M. T., Hanxing L., Pérez R. and Martín J. D.** A concise synthesis of *ortho*-condensed oxane–oxene, oxepene, oxocene and oxonene ring systems 2865
- Alvarez M.** see Roberts D. 1509
- Alvarez P.** see Ezquerro J. 683
- Alvarez P.** see Ezquerro J. 5813
- Alvarez-Builla J.** see Minguez J. M. 4263
- Alvarez-Builla J.** see Vega J. A. 6413
- Álvarez-Gutiérrez J. M. and López-Ortiz F.** Synthesis of 1*H*-1,2-λ<sup>5</sup>-azaphosphorin-6-ones from *N*-alkoxycarbonyl phosphazenes and DMAD 2841
- Alvarez-Ibarra C., Csáky A. G., Martínez M. and Quiroga M. L.** Diastereoselective 1,3-dipolar cycloaddition of Sm(II)-azomethine ylides to α,β-unsaturated esters 6573
- Alvarez-Larena A.** see Ortúñoz R. M. 4059
- Alvarez-Manzaneda E.** see Barrero A. F. 3757
- Alvaro M., García H., García S. and Fernández L.** Charge transfer complexes between methylviologen and aromatic donors within faujasite Y: influence of the alkaline metal counter cations 2873
- Alzeer J., Nock N., Wassner G. and Masciadri R.** MOM-protected 3-hydroxy-5-phenyl-isoxazole: regioselective preparation and synthetic application 6857
- Amade' M. S.** see Gandolfi R. 517
- Amade' M. S.** see Gandolfi R. 1321
- Amat M., Bennasar M.-L., Hadida S., Sufi B. A., Zulaica E. and Bosch J.** Abnormal Pummerer cyclizations on the indole ring 5217
- Amat M., Hadida S., Sathyaranayana S. and Bosch J.** A new synthetic entry to the indolo[2,3-*a*]quinolizidine system. Electrophilic cyclizations on the indole ring from 2-(2-piperidyl)indoles 3071
- Amato J. S.** see Karady S. 8277
- Ambroise L. and Jackson R. F. W.** Stereoselective synthesis of *anti*-β-amino-α-hydroxy acid derivatives using nucleophilic epoxidation of 1-arylthio-1-nitroalkenes 2311
- Ameline G., Vaultier M. and Mortier J.** Directed metatlation reactions. Intermolecular competition of the carboxylic acid group and various substituents 8175
- Amer F. A.** see Elmorsy S. S. 2297
- Amouroux R.** see Burgat Charvillon F. 5103
- Amri H.** see Dambrin V. 6323
- An H. and Cook P. D.** Solution phase combinatorial chemistry—I. Synthesis of polyazacyclophe scaffolds and tertiary amine libraries 7233
- Andersen C. M.** see Mayer J. P. 5633
- Andersen M. W., Daluge S. M., Kerremans L. and Herdewijn P.** The synthesis of modified D- and L-anhydrohexitol nucleosides 8147
- Andersen R. J.** see Gerard J. 7201
- Andersson P. G.** see Bedekar A. V. 4073
- Andersson P. G.** see Södergren M. J. 7577
- Anderton C. A.** see Miles W. H. 7893
- André F., Marraud M., Boussard G., Didierjean C. and Aubry A.** Synthesis and structure of AzAsx-Pro-containing azapeptides 183
- André F.** see Negrioli J. 5365
- Andrés C., Duque-Soladana J. P., Iglesias J. M. and Pedrosa R.** Diastereoselective 5-*exo-trig* radical cyclisation on *N*-acryloyl-tetrahydro-1,3-oxazines. A novel approach to enantiopure 3-substituted pyrrolidines 9085
- Andrés J.** see Domingo L. R. 7573
- Andrés L. S.** see Luis J. G. 4213
- Andreu D.** see Valero M.-L. 4229
- Andreu R.** see Martín N. 5979
- Andrews D. M.** see Page P. C. B. 2515
- Andrews D. R., Giusto R. A. and Sudhakar A. R.** A corticoid synthesis from 9α-hydroxyandrost-4-ene-3,17-dione via a steroidallene 3417
- Andrews I. P., Dorgan R. J. J., Harvey T., Hudner J. F., Hussain N., Lathbury D. C., Lewis N. J., Macaulay G. S., Morgan D. O., Stockman R. and White C. R.**

- A practical synthesis of the milbemycin SB-201561 4811
- Andrews R. S.** see Acevedo O. L. 3931
- Andrievsky A. A.** see Garcia M. E. 8313
- Andrus M. B. and Argade A. B.** Synthesis of octalactam lactone and side chain 5049
- Aneja R. Aneja S. G. and Parra A.** 1D- and 1L-1,2,4,5-Di-O-cyclohexylidene-3-O-allyl-myo-inositol: complementary versatile new starting materials for syntheses in the 1D-myo-inositol series 5081
- Aneja S. G.** see Aneja R. 5081
- Ang K. H. Prager R. H.** Smith J. A. Weber B. and Williams C. M. The synthesis of oxazoles by thermolysis or photolysis of 2-acylisoxazol-5-ones 675
- Ang K. H.** see Ede N. J. 9097
- Angelis Y. Zhang X. and Orfanopoulos M.** Secondary isotope effects in dioxirane epoxidations. Concerted or step-wise mechanism? 5991
- Angell R.** see Harwood L. M. 4217
- Anies C. Lallemand J.-Y. and Pancrazi A.** Metallated  $\alpha$ -alkoxypropargyl and  $\gamma$ -alkoxyallenyl derivatives: applications in some aldol reactions towards diterpene synthesis 5519
- Anies C. Lallemand J.-Y. and Pancrazi A.** SmI<sub>2</sub> in a 6-exo-dig radical cyclisation in a synthetic approach to ( $\pm$ )-erigerol 5523
- Anilkumar G.** see Nair V. 8271
- Anke T.** see Bertram G. 7955
- Anklam S.** see Galley G. 6307
- Anna L. J.** see Marino J. P. 8031
- Anné S.** see Zhou S.-Z. 7637
- Anouna K. G.** see Szczepanski S. W. 8841
- Ansari M.-R.** see Afarinkia K. 4801
- Anselme J.-P.** see Allen A. 5039
- Anslyn E. V.** see DeFord J. 1925
- Antenori M.** see Ravasio N. 3529
- Anzalone L.** see Zhang L. 4455
- Aoe K.** see Miyata O. 229
- Aoki S.** see Ogino T. 7065
- Aoyagi S.** see Sato M. 9063
- Aoyagi S.** see Yamada H. 8787
- Aoyagi S.** see Yamazaki N. 6161
- Aoyagi Y. Mizusaki T. and Ohta A.** Facile and efficient synthesis of pyrroles and indoles via palladium-catalyzed oxidation of hydroxy-enamines and -amines 9203
- Aoyama T.** see Takaoka K. 4973
- Aoyama T.** see Takaoka K. 4977
- Aparicio D.** see Palacios F. 1289
- Apelqvist T. and Wensbo D.** Selective removal of the *N*-BOC protective group using silica gel at low pressure 1471
- Apodaca R.** see Whitesell J. K. 2525
- Apodaca R.** see Whitesell J. K. 3955
- Appendino G. Jakupovic J. Varese M. Belloro E. Danieli B. and Bombardelli E.** Synthesis of 7,9-nitrogen-substituted paclitaxel derivatives 7837
- Appendino G. Jakupovic J. Varese M. and Bombardelli E.** Acid and base catalysed rearrangements of 9,10-dioxotaxanes 727
- Appendino G.** see Fenoglio I. 3203
- Arai N.** see Matsumoto M. 8535
- Arai S.** see Gröger H. 9291
- Arai T.** see Sasai H. 5561
- Arai Y. Hirohara M. Ogawa R. Masuda K. Shiojima K. Ageta H. Chang H.-C. and Chen Y.-P.** Fern constituent: preolean-tetraene, a novel bicyclic triterpenoid hydrocarbon from *Polypodiodes formosana* 4381
- Araki K. Akao K. Ikeda A. Suzuki T. and Shinkai S.** Molecular design of calixarene-based host molecules for inclusion of C<sub>60</sub> in solution 73
- Araki S. Hirashita T. Shimizu H. Yamamura H. Kawai M. and Butsugan Y.** Indium-mediated reaction of 1,3-dichloro- and 1,3-dibromopropenes with carbonyl compounds. Generation of novel 3,3-diindipropene 8417
- Araki Y.** see Konoike T. 3339
- Araneo S. Arrigoni R. Bjørsvik Fontana F. Minisci F. and Recupero F.** Alternating addition of carbon-centered radicals to unsaturated systems. Novel homolytic aromatic substitutions 7425
- Araneo S. Arrigoni R. Bjørsvik H.-R. Fontana F. Liguori L. Minisci F. and Recupero F.** New free-radical chain processes involving substitution of vinyl and aryl chlorides by alkanes, alkenes, esters and ethers 6897
- Arcadi A. Marinelli F. Pini E. and Rossi E.** Base promoted reactions of 4-pentyrones 3387
- Arcadi A. and Rossi E.** A palladium-catalyzed domino reaction of 3-acetyl-5-hexyn-2-one with aryl iodides under carbon monoxide 6811
- Arcamone F.** see Guidi A. 1123
- Arcelli A.** see Khai B. T. 6599
- Archelas A.** see Pedragosa-Moreau S. 3319
- Archer I. V. J. Leak D. J. and Widdowson D. A.** Chemoenzymic resolution and deracemisation of ( $\pm$ )-1-methyl-1,2-epoxycyclohexane: the synthesis of (1-S,2-S)-1-methylcyclohexane-1,2-diol 8819
- Ardecky R. J.** see Tamura S. Y. 4109
- Argade A. B.** see Andrus M. B. 5049
- Ariente C.** see David K. 3335
- Arimoto H. Yokoyama R. and Okumura Y.** Synthesis and revised structure of vallartanone B 4749
- Arison B.** see Hirschmann R. 5637
- Arista L.** see Palombi L. 7849
- Arjona O.** see Aceña J. L. 3043
- Arjona O.** see Aceña J. L. 105
- Arjona O.** see Aceña J. L. 8957
- Arlt M.** see Marquis S. 5491
- Armstrong R. W. Tellew J. E. and Moran E. J.** Mono-osmylation of dehydro-amino acid dienes: synthesis of dehydroamino acids related to the azinomycins 447
- Armstrong R. W.** see Dinh T. Q. 1161
- Armstrong R. W.** see Strocker A. M. 1149
- Armstrong S. K. and Christie B. A.** Synthesis of sulphur-containing heterocycles by ring closing diene metathesis 9373
- Arnason J. T.** see Chauret D. C. 7875
- Arnaud-Neu F.** see Fanni S. 7975
- Arnecke R. Böhmer V. Ferguson G. and Pappalardo S.** Inherently chiral derivatives of calix[5]crowns 1497
- Arnó M.** see Domingo L. R. 7573
- Arnold D. P.** see Yashunsky D. V. 7147
- Arnold W.** see Cereghetti M. 5347

- Arnone A.** Biagini G.  
**Cardillo R.** Resnati G.  
**Bégué J.-P.**  
**Bonnet-Delpont D.** and  
**Kornilov A.**  
 Microbial reduction of  $\alpha,\alpha,\alpha$ -trifluoro- $\alpha'$ -sulfenylketones  
 3903
- Arnould J. C.** Didelot M.  
**Cadilhac C.** and  
**Pasquet M. J.**  
 Convenient synthesis of aromatic thiols from phenols  
 4523
- Arrastia I.** Lecea B. and  
**Cossío F. P.**  
 Highly stereocontrolled synthesis of substituted propiolactones and butyrolactones from achiral lithium enolates and homochiral aldehydes 245
- Arrastia I.** and **Cossío F. P.**  
 Tandem [2 + 2] cycloaddition-cycloreversion reactions in highly polar media: a convergent one-pot entry to substituted alkenes and dienes 7143
- Arrieta A.** see Ayerbe M. 3055
- Arrigoni R.** see Araneo S. 6897
- Arrigoni R.** see Araneo S. 7425
- Arterburn J. B.** and **Perry M. C.**  
 Rhodium catalyzed sulfoxide reduction 7941
- Arumugam V.** see Khan N. M. 4819
- Árvai G.** see Mikló K. 3491
- Arvanitis E.** Mottevalli M. and  
**Wyatt P. B.**  
 Enantioselective synthesis of (*S*)-2-(aminomethyl)butanedioic acid using chiral  $\beta$ -alanine  $\alpha$ -enolate equivalents 4277
- Asakawa N.** see Fuji K. 7373
- Asakawa Y.** see Kouda K. 4541
- Asakawa Y.** see Liu H.-J. 9307
- Asakawa Y.** see Toyota M. 4745
- Asakura K.** see Imamoto T. 503
- Asano N.** see Griffiths R. C. 3207
- Asao N.** see Yamamoto Y. 1863
- Asaoka M.** see Houkawa T. 1045
- Asaoka M.** see Kuramochi T. 7075
- Asato A. E.** Liu R. S. H.  
**Rao V. P.** and **Cai Y. M.**  
 Azulene-containing donor-acceptor compounds as second-order nonlinear chromophores 419
- Asensio G.** Mello R. and  
**González-Núñez M. E.**  
 Evidence for the involvement of a sulfurane intermediate in the oxidation of simple sulfides by methyl(trifluoromethyl)dioxirane 2299
- Asfari Z.** Naumann C.  
**Kaufmann G.** and **Vicens J.**  
 Molecular modelling and chemical synthesis of molecular 'mappemondes' designed from a calix[4]-bis-crown 3325
- Asfari Z.** see Pulpoka B. 6315
- Asfari Z.** see Pulpoka B. 8747
- Ashton P. R.** Gilink P. T.  
**Stoddart J. F.** Menzer S.  
**Tasker P. A.** White A. J. P.  
**and Williams D. J.**  
 The solid state structures of a [3]rotaxane and its [3]pseudo-rotaxane precursor 6217
- Asif-Ullah M.** see Kast P. 2691
- Asoh T.** see Toyota M. 4401
- Astruc D.** see Ruiz J. 4511
- Ates C.** see Laduron F. 5515
- Atkins J. H.** Ho D. M. and  
**Jones, Jr M.**  
 A new source of 1,2-dehydro- $\alpha$ -carborane 7217
- Atkinson R. N.** Storey B. M.  
**and King S. B.**  
 Reactions of acyl nitroso compounds with amines: production of nitroxyl (HNO) with the preparation of amides 9287
- Atkinson R. S.** Coogan M. P.  
**and Lochrie I. S. T.**  
 Reagent-controlled diastereoselectivity in aziridination of alkenes by chiral 3-acetoxyamino-3,4-dihydroquinazolin-4-ones: 1'-(*t*-butyldimethylsilyloxy)-ethyl as the chiral 2-substituent on the quinazolinone 5179
- Attwood M. R.** Raynham T. M.  
**Smyth D. G.** and  
**Stephenson G. R.**  
 Elaboration of a cyclohexadienyl triflate iron  $\pi$ -complex by palladium-catalysed coupling 2731
- Aubé J.** see Hoemann M. Z. 953
- Aubé J.** see Wendt J. A. 1531
- Aubert C.** see Llerena D. 7027
- Aubert C.** see Llerena D. 7353
- Aubertin A.-M.** see Benhida R. 1031
- Aubry A.** see André F. 183
- Audergon L.** see Gerster M. 6335
- Audia J. E.** Droste J. J.  
**Dunigan J. M.** Bowers J.  
**Heath P. C.** Holme D. W.  
**Eifert J. H.** Kay H. A.  
**Miller R. D.** Olivares J. M.  
**Rainey T. F.** and  
**Weigel L. O.**  
 A diastereoselective tandem metalloenamine alkylation/aza-annulation of  $\beta$ -tetralones expedites the synthesis of benzoquinolinones 4121
- Audley M.** and  
**Geraghty N. W. A.**  
 The regiochemistry of intra-
- molecular photochemical [2 + 2] cycloaddition reactions: biradical conformation control 1641
- Audrain H.** see Wong T. 755
- Aue D. H.** see Lipshutz B. H. 8471
- Augé J.** and **Leroy F.**  
 Lithium trifluoromethane-sulfonate-catalysed aminolysis of oxiranes 7715
- Aumelas A.** see Pothion C. 1027
- Aurich H. G.** Geiger M.  
**Gentes C.** and **Köster H.**  
 Formation of non-racemic tricyclic compounds by intramolecular 1,3-dipolar cycloaddition of nitrones 841
- Auzeil N.** see Largeron M. 7499
- Avendaño C.** see Pérez J. M. 6955
- Averdung J.** Wolff C. and  
**Mattay J.**  
 Syntheses of urethano-, amido- and sulfonamido-[60]fullerenes by nucleophilic substitutions with 1,2-(2,3-dihydro-1*H*-azirino)-[60]fullerene 4683
- Avilov D. V.** see Soloshonok V. A. 7845
- Awad R. W.** see Nicolaides D. N. 1097
- Axten J.** see Winkler J. D. 4317
- Ayadi E.** see Czernecki S. 9193
- Ayadim M.** Habib Jiwan J. L.  
**De Silva A. P.** and  
**Soumillion J. Ph.**  
 Photosensing by a fluorescing probe covalently attached to the silica 7039
- Ayadim M.** and  
**Soumillion J. Ph.**  
 Photosensitizers covalently anchored to the silica surface: enhanced efficiency of heterogeneous photodechlorination of chlorinated aromatics 381
- Ayala A. M.** see Godjoian G. 433
- Ayerbe M.** Morao I. Arrieta A.  
**Linden A.** and **Cossío F. P.**  
 Stereoselective conjugate addition of carbon nucleophiles to chiral (*E*)-nitroalkenes bearing a  $\gamma$ -stereocenter. Origins of the observed *anti* selectivity 3055
- Ayoub M.** see Brunissen A. 6713
- Azhikina T. L.** see Stetsenko D. A. 3571
- Azov V. A.** see Borodkin V. S. 1489
- Azumaya I.** Kagechika H.  
**Yamaguchi K.** and **Shudo K.**  
 Facile formation of aromatic cyclic *N*-methylamides based on *cis* conformational preference 5003

- Baasov T.** see Du S. 3545  
**Baba A.** see Yasuda M. 5951  
**Baba Y.** see Takemoto Y. 3345  
**Bach T. and Lange C.**  
 Hydroxyl-directed reductive ring opening at the C-2 position of functionalized 2-aryloxetanes 4363  
**Bäckvall J.-E.** see Löfström C. M. G. 3371  
**Bacqué E.** see Largeron M. 7499  
**Badea B.-A.** see Bennani Y. L. 8109  
**Baeschlin D. K. Daube M.**  
 Blättler M. O. Benner S. A. and Richert C.  
 Four step synthesis of a 5'-deoxy-5'-iodomethylthymidine 1591  
**Bagatti M.** see Gandolfi R. 1321  
**Bagatti M.** see Gandolfi R. 517  
**Bagchi I.** see Bhatia B. 7311  
**Bagryanskaya I. Yu.** see Khlestkin V. K. 5997  
**Bähr A. Marek I. and Normant J.-F.**  
 Diastereoselective carbo-metallation of  $\delta$ -mono- and  $\gamma\delta$ -bisubstituted Z vinyl metals 5873  
**Bai D.** see Xu R. 1463  
**Baiga T. J.** see Mjalli A. M. M. 2943  
**Bailey J. M.** see Hodgson D. M. 4623  
**Bailey W. F. and Punzalan E. R.**  
 Isomerization of 2-(2-propenoxy)phenyllithium: tandem anionic cyclization- $\gamma$ -elimination 5435  
**Baillet G.** see Salemi-Delvaux C. 5127  
**Baine N. H.** see Sisko J. 8113  
**Baird M. S.** see Al Dulayymi J. R. 8933  
**Baker S. J.** see Taylor G. M. 1297  
**Bakkeren F. J. A. D.**  
 Ramesh N. G. de Groot D. Klunder A. J. H. and Zwanenburg B.  
 Asymmetric desymmetrization of a pseudo-meso endo-tricyclo[5.2.1.0<sup>2,6</sup>]deca-4,8-dien-3-one by chiral amines 8003  
**Balasubramanian S.** see Khan N. M. 4819  
**Balasubramanian T. and Hassner A.**  
 Synthesis of chiral non-racemic 2-arylpyrrolines by a [3 + 2] cycloaddition route 5755  
**Balasubramaniam T. N.** see Horn T. 743  
**Balaux E. and Ruel R.**  
 Synthesis of succinic diesters via reductive coupling of  $\alpha$ -haloesters using samarium(II) iodide and HMPA 801  
**Balci M. Saracoğlu N. and Menzek A.**  
 Unusual bicyclic endoperoxides containing pyridazine ring: reaction of unsaturated bicyclic endoperoxides with dimethyl 1,2,4,5-tetrazine-3,6-dicarboxylate 921  
**Baldan A.** see Bonora G. M. 4761  
**Baldoví M. V.** see Connolly T. J. 4919  
**Baldwin J. E.**  
 Claridge T. D. W. Culshaw A. J. Heupel F. A. Smrková S. and Whitehead R. C.  
 A biomimetic approach to the manzamine alkaloids 6919  
**Baldwin J. E. Farthing C. N.**  
 Russell A. T. Schofield C. J. and Spivey A. C.  
 Use of (S)-N-tert-butoxycarbonylaziridine-2-carboxylate derivatives for  $\alpha$ -amino acid synthesis 3761  
**Baldwin J. E. Fryer A. M.**  
 Spyvee M. R. Whitehead R. C. and Wood M. E.  
 Stereocontrol in the synthesis of kainoids 6923  
**Baldwin J. E. see Farthing C. N.** 5225  
**Baldwin R. M.** see Tamagnan G. 4353  
**Balenkova E. S.** see Nenajdenko V. G. 4199  
**Ball R. G.** see Kende A. S. 6295  
**Ballantine J. A.** see Plater M. J. 7855  
**Ballestri M.** see Chatgilialoglu C. 6383  
**Ballestri M.** see Chatgilialoglu C. 6387  
**Ballestri M.** see Chatgilialoglu C. 6391  
**Ballinger M. D.** see Suich D. J. 6653  
**Ballini R. Papa F. and Bovicelli P.**  
 Selective oxidation of nitrocompounds by dimethyldioxirane 3507  
**Ballini R. and Bosica G.**  
 The Michael reaction of nitroalkanes with conjugated enones in aqueous media 8027  
**Balme G.** see Cavicchioli M. 1429  
**Bamba M. Nishikawa T. and Isobe M.**  
 Tin-assisted cyclization for chiral cyclohexane synthesis, an alternative route to (-)-tetrodotoxin skeleton 8199  
**Banciu M. D.** see Hada C. 3845  
**Bandini E. Martelli G.**  
 Spunta G. Bongini A. and Panunzio M.  
*trans*-Diastereoselective synthesis of 3-phthalimido  $\beta$ -lactams via a two step-Staudinger reaction 4409  
**Banerjee A. K.** see Maiti S. 8061  
**Banfi L. Guanti G. and Zannetti M. T.**  
 Synthesis of a key intermediate for Thienamycin and Imipenem through stereo-selective two-direction elongation of asymmetrized bis(hydroxymethyl)acetaldehyde (BHYMA\*) 521  
**Banik B. K. Subbaraju G. V.**  
 Manhas M. S. and Bose A. K.  
 Fused tricyclic  $\beta$ -lactams via intramolecular aryl radical cyclization 1363  
**Bankaitis-Davis D.** see Greef C. H. 4451  
**Bankaitis-Davis D.** see Mayer J. P. 5633  
**Banks J. T. Ingold K. U.**  
 Della E. W. and Walton J. C.  
 Bicyclo[1.1.1]pent-1-yl: a tertiary alkyl radical with enhanced reactivity 8059  
**Banwell M. G. and Cameron J. M.**  
 Enantiospecific construction of the carbon skeleton associated with manicol, an antineoplastic sesquiterpene from *Dulacia guianensis* (Olacaceae) 525  
**Bao W. Zheng Y. Zhang Y. and Zhou J.**  
 A novel synthesis of allyl and propargyl selenides in aqueous media promoted by indium 9333  
**Bao W.** see Ying T. 3885  
**Baquer G.** see Batey R. A. 6847  
**Barascut J.-L.** see Lazrek H. B. 4701  
**Baraznenok I. L.** see Nenajdenko V. G. 4199  
**Barba F. Elinson M. N.**  
 Escudero J. and Feducovich S. K.  
 Indirect electrochemical oxidation of cyclic ketones: strong influence of ring size on the result of the reaction 5759  
**Barbe B.** see Vivas N. 2015  
**Barbosa S. L.** see Dabdoub M. J. 831  
**Barbry D. and Champagne P.**  
 Fast synthesis of aromatic aldehydes from benzylid bromides without solvent under microwave irradiation 7725

- Barbu E. and Tsibouklis J.** Unsymmetrically substituted aliphatic diacetylenes 5023
- Barco A. Benneti S. De Risi C. Pollini G. P. Romagnoli R. and Zanirato V.** Enantiodivergent synthesis of 2-hydroxymethyl-3-hydroxy-4-nitro-pyrrolidines through tandem Michael–Henry reaction using L-serine as the chiral educt 7599
- Bareket Y. see Rozen S.** 531
- Bargon J. see Genkinger O.** 6853
- Barhate N. B. Sasidharan M. Sudalai A. and Wakharkar R. D.** Selective catalytic oxidation of benzylic alcohols to the corresponding carbonyl compounds with TBHP over CrS<sub>2</sub> 2067
- Bari S. S. see Bose A. K.** 6989
- Barkanova S. V. Derkacheva V. M. Dolotova O. V. Li V. D. Negrimovsky V. M. Kaliya O. L. and Luk'yanets E. A.** Homogeneous oxidation of aromatics in nucleus with peracetic acid catalyzed by iron and manganese phthalocyanine complexes 1637
- Barkhash V. A. see Polovinka M. P.** 2631
- Barkhash V. A. see Volcho K. P.** 6181
- Barn D. R. Morphy J. R. and Rees D. C.** Synthesis of an array of amides by aluminium chloride assisted cleavage of resin-bound esters 3213
- Barnes C. L. see Kim W.** 6425
- Barnett-Thamattoor L. Wu J. J. Ho D. M. and Jones, Jr M.** Carboranophanes 7221
- Barone G. see Adinolfi M.** 5007
- Barroso A. F. Alvarez-Manzaneda E. and Lara A.** Novel tricyclic sesquiterpenes from *Juniperus thurifera* L. Chemical confirmation of the duperzianane skeleton 3757
- Bartrik R. Bensadat A. Cal D. Cebulska Z. Laurent A. Laurent E. and Rizzon C.** A new synthesis of enaminoketones 8751
- Bartoli G. Bosco M. Sambri L. and Marcantoni E.** TiCl<sub>4</sub> Mediated LiBH<sub>4</sub> reduction of β-ketophosphine oxides: a high stereoselective route to the synthesis of anti-β-hydroxyphosphine oxides 7421
- Bartoli G. Bosco M. Van Beek J. Sambri L. and Marcantoni E.** Organo cerium reagents in organic chemistry: general method of synthesis of alkyl substituted 1,3-diols by RLi–CeCl<sub>3</sub> addition to β-hydroxyketones 2293
- Bartolomé J. M. Carreño M. C. and Urbano A.** Synthesis and Diels–Alder reactions of N-(*tert*-butoxycarbonyl)-3-*p*-tolylsulfinyl-1-benzoquinone-4-imine 3187
- Barton D. H. R. Beck A. H. and Delanghe N. C.** The carboxylation of saturated hydrocarbons by Gif systems. (Fe<sup>III</sup> trispicolinate/P(OMe)<sub>3</sub>/CO/H<sub>2</sub>O<sub>2</sub> in pyridine–acetic acid) 1555
- Barton D. H. R. Chabot B. M. and Hu B.** Functionalization of saturated hydrocarbons in Gif-type systems using 2-methyl-1,4-naphthoquinone 1755
- Barton D. H. R. Chung S. K. and Kwon T. W.** Photochemical cleavage of cyclohexa-2,4-dienones under irradiation with visible light 3631
- Barton D. H. R. Hu B. Li T. and MacKinnon J.** The importance of pyridine complexation on selective oxidation within the Fe(III)–Fe(V) manifold in Gif chemistry 8329
- Barton D. H. R. Hu B. Taylor D. K. and Rojas Wahl R. U.** The importance of carboxylate ligands in the differentiation of catalase reactivity from Gif ketonization systems 1133
- Barton D. H. R. and Choi S.-Y.** An efficient rearrangement of secondary alkyl S-methyl xanthates by trimethyl-aluminum (TMA) 2695
- Barton D. H. R. and Delanghe N. C.** The conversion of saturated hydrocarbons into carboxylic acids using Fe(CO)<sub>5</sub>–H<sub>2</sub>O<sub>2</sub> oxidation 8137
- Barton D. H. R. and Doris E.** Alkylation of aromatic amines and related compounds using a copper(II)–aluminium(III) couple 3295
- Barua N. C. see Bordoloi M.** 6791
- Baruah B. Prajapati A. B. D. and Sandhu J. S.** Cadmium promoted allylation of acid chlorides: synthesis of β,γ-unsaturated ketones 9087
- Baruah B. see Boruah A.** 4203
- Baruah M. Boruah A. Prajapati D. Sandhu J. S. and Ghosh A. C.** A new method for the chemoselective reduction of aryl and arylazides 4559
- Basabe P. see Urones J. G.** 1659
- Basak A. and Khamrai U. K.** Design, synthesis and biological activity of novel enediynyl monocyclic β-lactams 2475
- Basavewara Rao M. V. see Satyanarayana J.** 3565
- Basch H. see Sella A.** 5573
- Basnet P. see Kadota S.** 7283
- Bassindale A. R. Taylor P. G. and Xu Y.** Synthesis of optically active α,β-epoxysilanes and silylaminohalcohols 555
- Bates G. B. and Parker D.** Synthesis of a ligand imposing tetrahedral coordination based on 1,10-phenanthroline 267
- Bateson J. H. see Witty D. R.** 3067
- Batey R. A. Pedram B. Yong K. and Baquer G.** Intermolecular additions of α-boryl radicals 6847
- Batey R. A. see Winkler J. D.** 8069
- Batista A. C. F. see Dabdoub M. J.** 9005
- Bats J. W. see Maguire R. J.** 5487
- Batsanov A. S. Clarkson I. M. Howard J. A. K. and Steel P. G.** Silenes in organic synthesis—I. Diastereoselectivity in the siloxysilene–diene Diels–Alder cycloaddition 2491
- Bauchat P. see Denniel V.** 5111
- Baudat A. and Vogel P.** Synthesis of β-D-(1→3)-C-linked 1,5,6-trideoxy-1,5-iminogalactoside of D-altrose derivatives 483
- Bauer C. B. see Brogan J. B.** 5053
- Baussanne I. and Royer J.** Asymmetric routes towards polyfunctionalized pyrrolidines: synthesis and reactivity of a chiral silyloxyprrolidine 1213
- Baxter S. J. Jenkins D. B. and Samuel C. J.** A novel computational approach to the estimation of steric parameters—III. Extension to aliphatic amines and application to the adrenergic blocking activity of β-haloalkylamines 4617
- Bayburt E. K. see Gu Y. G.** 2565

- Beak P.** see Thayumanavan S. 2899
- Beaton G.** see Greef C. H. 4451
- Beaton G.** see Mayer J. P. 5633
- Beattie K. A.** see Kaya K. 6725
- Beaupère D.** see Glacon V. 3683
- Beaupère D.** see Marek D. 49
- Beaver K. A. Siegmund A. C. and Spear K. L.** Application of the sulfonamide functional group as an anchor for solid phase organic synthesis (SPOS) 1145
- Becher J.** see Leriche P. 5115
- Beck A. H.** see Barton D. H. R. 1555
- Becke L. M.** see Chou T. S. 17
- Becker D. Galili N. and Haddad N.** Highly efficient trapping of short-lived 1,4-diradicals, the order of first bond formation in the intramolecular photocycloaddition of 3-(4'-pentenyl)-cyclohex-2-enones 8941
- Beddoes R. L. Lewis M. L. Gilbert P. Quayle P. Thompson S. P. Wang S. and Mills K.** Synthesis of  $\alpha$ -alkoxysilanes: Birch reduction of 2-trialkylsilylfurans 9119
- Beddoes R. L. Painter J. E. Quayle P. and Patel P.** MTO in 'clean' oxidation of thioether Fischer carbene complexes to their sulfoxides 9385
- Bedekar A. V. and Andersson P. G.** A new class of bis-oxazoline ligands for the Cu-catalysed asymmetric cyclopropanation of olefins 4073
- Bedos P.** see Galéotti N. 3997
- Begley M. J.** see Crombie L. 9255
- Bégué J.-P. Bonnet-Delpon D. and Rock M. H.** Z-Trifluoromethyl thieno[3,2-*E*]ethers, enol ethers, and enamines; reactivity towards organolithium reagents 171
- Bégué J.-P.** see Amone A. 3903
- Beigelman L.** see Matulic-Adamic J. 6973
- Békássy S.** see Cseri T. 1473
- Bekesi J. G.** see Weisz I. 563
- Beletskaya I. P.** see Bumagin N. A. 897
- Beley M.** see Chodorowski-Kimmes S. 2963
- Bell A. A.** see Davis B. 8565
- Bell A. A. Pickering L. Watson A. A. Nash R. J. Griffiths R. C. Jones M. G. and Fleet G. W. J.** 2-Hydroxycastanospermines (dihydroxy-L-swainsonines) from octonolactones: inhibition of naringinase (L-rhamnosidase) 8561
- Bell A. S. Fishwick C. W. G. and Reed J. E.** Highly efficient diastereoselective *exo* Diels-Alder reactions of homochiral 2-(*N*-acylamino)-1-thia-1,3-dienes: a powerful entry into optically pure thiopyrans 123
- Bell D. Davies M. R. Finney F. J. L. Geen G. R. Kinsey P. M. and Mann I. S.** The effect of catalyst loading and donor ligands in the Mn(III) salen catalysed chiral epoxidation of chromenes: synthesis of BRL 55834 3895
- Bell L. Whitby R. J. Jones R. V. H. and Standen M. C. H.** Catalytic asymmetric carbomagnesiation of unactivated alkenes. A new, effective, active, cheap and recoverable chiral zirconocene 7139
- Bell S. J.** see Polniaszek R. P. 575
- Beller M. and Riermeier T. H.** First efficient palladium-catalyzed Heck reactions of aryl bromides with alkyl methacrylate 6535
- Belloro E.** see Appendino G. 7837
- Bellucci G. Chiappe C. Cordoni A. and Ingrasso G.** Enantioconvergent transformation of racemic *cis*-dialkyl substituted epoxides to (*R,R*) *threo* diols by microsomal epoxide hydrolase catalysed hydrolysis 9089
- Bellucci G. Chiappe C. and Lo Mro G.** Crown ether catalyzed stereospecific synthesis of *Z*- and *E*-stilbenes by Wittig reaction in a solid-liquid two-phases system 4225
- Belt S. T. Cooke D. A. Robert J.-M. and Rowland S.** Structural characterisation of widespread polyunsaturated isoprenoid biomarkers: a  $C_{25}$  triene, tetraene and pentaene from the diatom *Haslea ostreariae simonisen* 4755
- Belyakov S. A.** see Katritzky A. R. 6631
- Belyasmine A.** see Leriche P. 8861
- BeMiller J. N.** see Petrušová M. 2341
- Benayahu Y.** see Fridkovsky E. 6909
- Benbow J. W. and Martinez B. L.** Biaryl formation using the Suzuki protocol: considerations of base, halide, and protecting group 8829
- Bender S. L.** see Gauthier, Jr D. R. 13
- Benetti S.** see Barco A. 7599
- Bengtsson M.** see Unelius C. R. 1505
- Benhida R. Aubertin A.-M. Grierson D. S. and Monneret C.** A convenient synthesis of 1-ethoxymethyl-5-nitro-6-substituted uracils 1031
- Benito A. M. Darwish A. D. Kroto H. W. Meidine M. F. Taylor R. and Walton D. R. M.** Synthesis and characterisation of the methanofullerenes,  $C_{60}(\text{CHCN})$  and  $C_{60}(\text{CBr}_2)$  1085
- Benjamin L. J. Mander L. N. and Willis A. C.** Conversion of a gibberellin aldehyde into a 20-norkaurenoïd lactone 8937
- Bennani Y. L. Hwang C.-K. Canan Koch S. S. Marron K. S. Dardashti L. J. Badea B.-A. and Nadzan A. M.** Synthesis of geometrically defined exocyclic olefins 8109
- Bennasar M.-L. Jiménez J.-M. Sufi B. A. and Bosch J.** The effect of lithium iodide on the acid-promoted cyclization of 4-[(1-indolylcarbonyl)-methyl]-1,4-dihydropyridines 7653
- Bennasar M.-L. Jiménez J.-M. Sufi B. A. and Bosch J.** A concise, stereoselective synthesis of ( $\pm$ )-geissoschizine 9105
- Bennasar M.-L. Vidal B. Lázaro A. Kumar R. and Bosch J.** A short route for the construction of the tetracyclic ring system of silicine-methuenine alkaloids 3541
- Bennasar M.-L. Zulaica E. Ramírez A. and Bosch J.** Construction of the quaternary C-7 centre of akuumiline alkaloids. Synthesis of 3,4-secoakuamillan derivatives 6611
- Bennasar M.-L.** see Amat M. 5217
- Benneche T.** see Mangalagiu I. 1309
- Benner S. A.** see Baeschlin D. K. 1591
- Bennis K.** see Ripoche I. 3991
- Bensadat A.** see Bartnik R. 8751
- Benson D. R. and Fu J.** Exciplex fluorescence in

- inclusion complexes of naphthalene derivatives 4833
- Benson S. C.** Lee L. and Snyder J. K.  
Inverse electron demand Diels–Alder reactions of indole—V. Reactions of 3-substituted indoles with heteroaromatic azadienes 5061
- Berchadsky Y.** see Mattalia J.-M. 4717
- Beregszászi T.** see Molnár A. 8597
- Berger J.** see Zhao S.-H. 4463
- Bergman J. and Bergman S.** Formation of 3,3,5,7-tetranitroindole and 3,5,7-trinitroindazole by nitration of oxindole 9263
- Bergman S.** see Bergman J. 9263
- Bergquist K.-E.** see Broddefalk J. 3011
- Bergstrom C. P.** see Schlessinger R. H. 2133
- Bergström G.** see Johansson A. 7127
- Berkessel A.** Geisel U. and Héraut D. A.  
A synthesis of cyclo-2,3-diphospho-D-glycerate from D-mannitol 355
- Berkowitz D. B.**
- Pedersen M. L. and Jahng W.-J.  
Synthesis of higher  $\alpha$ -chlorovinyl and  $\alpha$ -bromovinyl amino acids: the amino protecting group determines the reaction course 4309
- Bermejo F.** see Rico R. 5809
- Bermejo F.** see Rodríguez R. 5581
- Bernabé P.** Rutjes F. P. J. T. Hiemstra H. and Speckamp W. N.  
Palladium(0)-catalyzed coupling reactions of an *N*-tosylpyrrolidone-derived enamine triflate 3561
- Bernabeu M. C.** Chinchilla R. Nájera C. and Rodríguez M. A.  
(2*E*)-4-Methoxy-2,4-pentadienamides as new dienes in the Diels–Alder reaction 3595
- Bernadyuk S.** see Akhrem I. 5775
- Bernard H.** see Gardinier I. 7711
- Bernard S.** see Dare S. 4341
- Bernard-Henriet C. and Chanon M.** The Diels–Alder additions of phenylcyclopentadienes: tests for the PMO theory and the diradicaloid model 2417
- Bernardi A.** Colombo G. and Scolastico C.  
Enantioselective Mukaiyama–Michael reactions of 2-
- carbomethoxycyclopentenone catalyzed by chiral bis(oxazoline)–Cu(II) complexes 8921
- Bernardinelli G.** see Jefford C. W. 159
- Bernardini J.-J.** see Wong-Lun-Sang S. 3329
- Bernini R.** see Saladino R. 2647
- Bernotas R. C. and Adams G.** Synthesis of a 1-benzylpiperazin-2-one nitrone and its reaction with alkynes and alkenes 7339
- Bernotas R. C. and Adams G.** 2,3,4,4a,5,6-Hexahydro-1*H*-pyrazino[1,2-a]quinoline synthesis via a [3 + 2] cycloaddition 7343
- Berrée F.** see Palomo C. 4565
- Berrée F.** see Palomo C. 6931
- Berreth C. L.** see Miles W. H. 7893
- Berrie R. L.** see Phife D. W. 5227
- Berrie R.** see Chu M. 7229
- Bertozzi C. R.** see Manning D. D. 1953
- Bertram G.** Scherer A. Steglich W. Weber W. and Anke T.  
Total synthesis of ( $\pm$ )-strobilurin E 7955
- Bertrand G.** see Bon E. 1217
- Bertrand M.-P.** Gastaldi S. and Nouguier R.  
4-Isopropenyl-3-tosylimethyl pyrrolidines through radical cyclizations of 4-aza-1,6-dienes—an approach to kainic acids 1229
- Bertus P. and Pale P.** Silver salts as new catalyst for coupling reactions; synthesis of epoxyenyne 2019
- Besra G. S.** see Shilvock J. P. 8569
- Bessho K.** see Yamamoto Y. 7801
- Bessières B.** see Hercouet A. 4529
- Besson L.** Le Bail M.  
Aitken D. J. Husson H.-P.  
Rose-Munch F. and Rose E.  
An enantiomerically pure tricyclic isoindoline system by cyclisation of tricarbonyl[ $\eta^6$ -(*R*)-*N*-cyanomethyl-4-phenyloxazolidine]chromium 3307
- Besson T.** see Parker M.-C. 8383
- Bethell D.** see Page P. C. B. 2515
- Beugelmans R.** Chbani M. and Soufiaoui M.  
First synthesis of macrocycles by quadruple  $S_{RN}1$  reactions 1603
- Beugelmans R.** see Wagner B. 6557
- Beveridge R.** see Shapiro M. J. 4671
- Beyermann M.** see Wenschuh H. 5483
- Bhadbhade M. M.** see Nair V. 5623
- Bhaduri S.** see Maiti S. 8061
- Bhagwat S. S.** Gude C. and Chan K.  
Synthesis of enantiomerically pure pyrrolidinones as endothelin receptor antagonists 4627
- Bhakuni D. S.** see Paul S. 4055
- Bhakuni D. S.** see Rani A. 8037
- Bhakuni V.** see Kumar A. 4751
- Bhalia V.** see Kumar S. 3495
- Bhanu Prasad A. S.** see Stevenson T. M. 8375
- Bharadwaj P. K.** see Chand D. K. 8443
- Bhaskar K. V.** and Mander L. N.  
Synthesis of GA<sub>32</sub>, the major bioactive gibberellin from immature seeds of *Prunus persica* 719
- Bhaskar Kanth J. V.** see Periasamy M. 4767
- Bhat S. and Chandrasekaran S.** Oxygenation of alkenes with t-BuOOH catalysed by  $\beta$ -cyclodextrin borate 3581
- Bhat S. V.** see Hadimani S. B. 4791
- Bhatia B.** Jain S. De A.  
Bagchi I. and Iqbal J.  
A cobalt catalyzed protocol for the synthesis of substituted  $\beta$ -phenyl isoserine derivatives 7311
- Bhatt R. K.** Ye J. and Falck J. R.  
Conjugate addition of  $\alpha$ -alkoxystannanes via *in situ* transmetalation using catalytic CuCN 3811
- Bhatt R. K.** see Heckmann B. 1421
- Bhattacharjee A.** Bhattacharya A. and Patra A.  
Intramolecular cycloaddition of 3-O-Cyclohexenyl carbohydrate nitrones: diastereoselective synthesis of optically pure tetrahydro-pyran[2,3]cyclohexane derivatives 7635
- Bhattacharjee M. and Datta R.** Synthesis of a new macrocyclic ligand with six amide receptor sites 3579
- Bhattacharja A.** see Bhattacharjee A. 7635
- Bhattacharya S.** see Ghosh S. 5769
- Bhattacharya S. K.** see Winkler J. D. 8069
- Bhuyan P. J.** Sandhu J. S. and Ghosh A. C.

- "Tertiary amine effect" strategy in the synthesis of novel uracil analogues 1853  
**Bi Y.** see Kim J.-M. 5305  
**Biagini G.** see Arnone A. 3903  
**Biali S. E.** see Cerioni G. 5797  
**Biancotto G.** see Jin Y. 973  
**Biard J. F.** see Freté X. C. 2959  
**Bied C.** see Collet H. 9043  
**Biellmann J.-F.** see Magnin G. C. 7833  
**Biennert M.** see Wenschuh H. 5483  
**Bifulco G.** see Riccio R. 1979  
**Bigg D. C. H.** see Bon E. 1217  
**Biggadike K.** see Blériot Y. 7155  
**Bignan G.** see Pearson A. J. 735  
**Bilci N. A.** see Kukkola P. J. 5065  
**Bildstein S.** **Ducep J.-B.**  
 Jacobi D. and Zimmermann P.  
 Synthesis of 5,6-difluoroarachidonic acid, a potential inhibitor of 5-lipoxygenase 4941  
**Bildstein S.** **Ducep J.-B.** and Jacobi D.  
 A novel synthetic approach to the preparation of various  $\alpha$ , $\alpha$ -difluoroesters 8759  
**Billard T.** and **Langlois B. R.**  
 A new simple access to trifluoromethyl thioethers or selenoethers from trifluoromethyl trimethylsilane and disulfides or diselenides 6865  
**Biller S. A.** see Tortolani D. R. 5687  
**Binder W. H.** and **Menger F. M.**  
 Heptakis-6-amino-6-deoxy- $\beta$ -cyclodextrin as a catalyst for H/D exchange 8963  
**Bird C. W.** see Afarinkia K. 4801  
**Bird K.** see Suda Y. 1053  
**Birman V. B.** **Chopra A.** and Ogle C. A.  
 A novel approach to tricyclic pharmaceuticals via directed dilithiation of diaryl compounds 5073  
**Bishop W. R.** see Phife D. W. 5227  
**Bisseret P.** see Herrmann D. 1791  
**Bittencourt S. T.** see Bonacorso H. G. 9155  
**Bittrich V.** see de Oliveira C. M. A. 6427  
**Bizuneh A.** see Xu Y.-C. 455  
**Bjergarde K.** see Mayer J. P. 5633  
**Bjergarde K.** see Mayer J. P. 8081  
**Bjørsvik H.-R.** see Araneo S. 6897  
**Bjørsvik** see Araneo S. 7425  
**Black D. StC.** Craig D. C.  
 Kumar N. and McConnell D. B.  
 Synthesis and crystal structure of a calix[3]indole with cone conformation: a new molecular receptor 241  
**Black G. P.** Murphy P. J.  
**Walsh N. D. A.** Hibbs D. E.  
**Hursthouse M. B.** and Abdul Malik K. M.  
 A short synthetic route to the tricyclic guanidinium core of the batzelladine alkaloids 6943  
**Black W. C.** Giroux A. and Greidanus G.  
 Silyoxy-Cope rearrangement of chiral aldo adducts 4471  
**Blacklock T. J.** see Königsberger K. 9029  
**Blacklock T. J.** see Xu D. 5301  
**Blades K.** Patel S. T.  
 Percy J. M. and Wilkes R. D.  
 Facile [2,3]-rearrangements of difluoroallylic alcohols with C-P and C-S bond formation 6403  
**Blagbrough I. S.** Moya E. and Walford S. P.  
 Practical, convergent total synthesis of polyamine amide spider toxin NSTX-3 551  
**Blake A. J.** see Mascal M. 3505  
**Blanait S.** Salmain M.  
 Malézieux B. and Jacouen G.  
 Synthesis and reactivity of a transition metal-carbonyl imidoester designed for the selective and covalent labelling of biological macromolecules 6561  
**Blankenfeldt W.** Liao J.-W.  
 Lo L.-C. and Yeh M.-C. P.  
 Sequential additions of nucleophiles to tricarbonyl( $\eta^4$ -cycloheptadienyl)-iron tetrafluoroborate 7361  
**Blankespoor C. L.** see Glisan King A. 2141  
**Blättler M. O.** see Baeschlin D. K. 1591  
**Bltein J.-P.** see Ducrot P.-H. 3121  
**Blériot Y.** Smelt K. H.  
 Cadefau J. Bollen M.  
 Stalmans W. Biggadike K.  
 Johnson L. N.  
 Olkonomakos N. G.  
 Lane A. L. Crook S.  
 Watkin D. J. and Fleet G. W. J.  
 7-Carbon mimics of D-glucose and L-fucose: activation by 6R-, and inactivation by 6S, -6C-methylglucose of glycogen synthase: inhibition of glucokinase and/or glucose-6-phosphatase 7155  
**Bloch R.** see Bortolussi M. 8729  
**Bloch R.** see Girard C. 63  
**Bloodworth A. J.**  
 Bothwell B. D. Collins A. N. and Maidwell N. L.  
 A short synthesis of naturally occurring and other analogues of plakinic acids that contain the 1,2-dioxolane group 1885  
**Bódás Z.** see Cseri T. 1473  
**Boden C. D. J.** Norley M. C.  
 and Pattenden G.  
 Total synthesis of the thiazoline-based cyclopeptide cyclodide namamide 9111  
**Boehlow T. R.** and Spilling C. D.  
 The regio- and stereo-selective epoxidation of alkenes with methyl trioxo-reinium and urea-hydrogen peroxide adduct 2717  
**Boelens M.** see De Kimpe N. 3171  
**Boerrigter H.** Verboom W.  
 van Hummel G. J.  
 Harkema S. and Reinhoudt D. N.  
 Selective functionalization of resorcinarene cavitands; single crystal X-ray structure of a distally functionalized cavitand 5167  
**Böhler B.** Hüls D. and Günther H.  
 NMR spectroscopy of organolithium compounds—XIX. Reaction of (*Z*)-1,2-bis(trimethylsilyl)-1-phenyl-ethene with lithium: dianion formation, Schlenk dimerization, and  $^{13}\text{C}$ ,  $^{6}\text{Li}$  coupling in a benzyl-lithium system 8719  
**Böhler B.** and **Günther H.**  
 NMR spectroscopy of organolithium compounds—XX.  $^{6}\text{Li}$ ,  $^{29}\text{Si}$  shift correlation: a new tool for structural studies of silylsubstituted organolithium compounds 8723  
**Bohlmann R.** and **Strehlke P.**  
 Synthesis of functionalized 1-vinylazoles by a novel Wittig reaction of 1-acylazoles 7249  
**Böhmer V.** see Amcke R. 1497  
**Bohne C.** see Schnapp K. A. 2317  
**Bohrer P.** see Netscher T. 8359  
**Boivin J.** Huppé S. and Zard S. Z.  
 A convergent approach to functionalised alkynes 8735  
**Bojack G.** Künzer H.  
 Rölfing K. and Thiel M.  
 A novel, stereocontrolled approach to ring B alkylated estratetraenes 6103  
**Bokesch H. R.** McKee T. C.  
 Cardellina, II J. H. and Boyd M. R.  
 Suberosenone, a new cytotoxin from *Subergorgia suberosa* 3259  
**Boland W.** see Schierle K. 8715

- Bolesov I. G.** see Al Dulayymi J. R. 8933
- Bolitt V.** see Nguefack J.-F. 5527
- Bolitt V.** see Nguefack J.-F. 59
- Bollen M.** see Blériot Y. 7155
- Bollmark M., Zain R. and Stawinski J.** A new entry to nucleoside phosphorofluoridate and nucleoside phosphorofluorodithioate diesters 3537
- Bollmark M. and Stawinski J.** A facile access to nucleoside phosphorofluoridate, nucleoside phosphorofluorodithioate, and nucleoside phosphorofluorodithioate monoesters 5739
- Bolm C., Kaufmann D., Zehnder M. and Neuburger M.** Optically active sulfoximines in enantioselective palladium catalysis 3985
- Bols M., Persson M. P., Butt W. M., Jørgensen M., Christensen P. and Hansen L. T.** Synthesis of a ribofuranosyl cation mimic 2097
- Bols M.** see Hansen H. C. 4211
- Bolton G. L.** Solid phase synthesis of azabicyclo[4.3.0]nonen-8-one amino acid derivatives via intramolecular Pauson-Khand cyclization 3433
- Bombardelli E.** see Appendino G. 727
- Bombardelli E.** see Appendino G. 7837
- Bon E., Réau R., Bertrand G. and Bigg D. C. H.** Aluminum trichloride-promoted aminolysis of cyclic imides and oxazolidinones 1217
- Bonacorso H. G., Bittencourt S. T., Wastowski A. D., Wentz A. P., Zanatta N. and Martins M. A. P.** A convenient method for the synthesis of 2-trichloromethyl-4-p-substituted-phenyl-3H-1,5-benzodiazepines 9155
- Bonadies F., De Angelis F., Locati L. and Scettri A.** A convenient acid-catalyzed oxidation of sulfides to sulfoxides by t-butyl hydroperoxide 7129
- Bonadies F., Scettri A. and Di Campli C.** A new approach to 4-hydroxycyclopent-2-en-1-ones by Horner-Wadsworth-Emmons olefination of 1,2-diketones 1899
- Bonadies F.** see Palombi L. 7849
- Bonanomi G.** see Camerini R. 2467
- Bondar G. V.** see Moss G. P. 2877
- Bondon A.** see Poignant G. 7511
- Bongini A.** see Bandini E. 4409
- Bonini C., Giugliano A., Racioppi R. and Righi G.** Synthesis of the C<sub>1</sub>-C<sub>10</sub> fragment of the macrolide antibiotic nystatin A<sub>1</sub> from a chiral building block obtained via chemoenzymatic approach 2487
- Bonini C.** see Righi G. 6893
- Bonjoch J.** see Solé D. 5213
- Bonnat M., Bradley M. and Kilburn J. D.** The solid phase synthesis of a guanidinium based 'tweezer' receptor 5409
- Bonnet-Delpont D.** see Arnone A. 3903
- Bonnet-Delpont D.** see Bégué J.-P. 171
- Bonnert R.** see Mironov A. F. 6395
- Bonnette C., Salmon L. and Gaudemer A.** Synthesis of 5-phosphate-D-arabinohydroxamic acid, a potent transition state analogue inhibitor of 6-phosphate-D-glucose isomerasers 1221
- Bonora G. M., Baldan A., Schiavon O., Ferruti P. and Veronese F. M.** Poly(*N*-acryloylmorpholine) as a new soluble support for the liquid-phase synthesis of oligonucleotides 4761
- Booker-Milburn K. I. and Cowell J. K.** An intramolecular [2 + 2] photocycloaddition-fragmentation approach towards the total synthesis of asteriscanolide 2177
- Borate H. B.** see Ponde D. 4605
- Bordner J.** see Kawagishi H. 7399
- Bordoloi M., Barua N. C., Mohan S., Dutta S. C., Mathur R. K., Ghosh A. C. and Rychlewska U.** Sapolidole A: an unprecedented spherical carbocyclic lactone from *Baccaurea sapida* seed kernels: is it a meroisoprenoid? 6791
- Bordwell F. G.** see Soderquist J. A. 2561
- Borecka B., Gamlin J. N., Gudmundsdóttir A. D., Olovsson G., Scheffer J. R. and Trotter J.** Unusual photorearrangements of 9,10-disubstituted triptycene-1,4-quinone derivatives 2121
- Borg-Karlson A.-K.** see Unelius C. R. 1505
- Borgesom B.** see Abrell L. M. 2331
- Borgesom B.** see Abrell L. M. 8983
- Borin G.** see Ruzza P. 5191
- Borodkin V. S., Shiro N. A., Azov V. A. and Kochetkov N. K.** Substrate dependent intramolecular Pauson-Khand reaction of carbohydrate exo-methylene derivatives. Unexpected formation of fused "[4.1.0]" bicycloheptene-pyranose" tricyclic product 1489
- Bortolussi M., Cinquin C. and Bloch R.** Stereoselective additions of Grignard reagents to masked imines and iminium ions 8729
- Boruh A., Baruh B., Prajapati D., Sandhu J. S. and Ghosh A. C.** Microwave-induced 1,3-dipolar cycloaddition of 2-aryl-aziridines 4203
- Boruh A.** see Baruh M. 4559
- Boruh R. C.** see Ahmed S. 8231
- Boscarato A.** see Dondoni A. 7587
- Bosch J.** see Amat M. 3071
- Bosch J.** see Amat M. 5217
- Bosch J.** see Bennasar M.-L. 3541
- Bosch J.** see Bennasar M.-L. 6611
- Bosch J.** see Bennasar M.-L. 7653
- Bosch J.** see Bennasar M.-L. 9105
- Bosch J.** see Solé D. 5213
- Boschi T.** see Paolesse R. 2637
- Boschi T.** see Saladino R. 2647
- Bosco M.** see Bartoli G. 2293
- Bosco M.** see Bartoli G. 7421
- Bose A. K., Jayaraman M., Okawa A., Bari S. S., Robb E. W. and Manhas M. S.** Microwave-assisted rapid synthesis of  $\alpha$ -amino- $\beta$ -lactams 6989
- Bose A. K.** see Banik B. K. 1363
- Bose D. S.** see Gurjar M. K. 6615
- Bosica G.** see Ballini R. 8027
- Bosso C.** see Comte G. 2955
- Bostwick R. D.** see Shaw-Ponter S. 1867
- Boswell G. A.** see Li H.-Y. 1551
- Bothwell B. D.** see Bloodworth A. J. 1885
- Botrel A.** see Denis C. 53

- Bott S. G.** see Marchand A. P. 467
- Bott S. G.** see Marchand A. P. 8101
- Bottle S. E.** see Adam W. 2113
- Boucher J.-L.** Vadon S. Tomas A. Viossat B. and Mansuy D. Oxidation of arylamidoximes by hydrogen peroxide and horseradish peroxidase in water: easy preparation and X-ray structure of *O*-(arylimidoyl)aryl amidoximes 3113
- Bouhadir K. H.** see Li Z. 4651
- Boukherroub R.** see Mirza-Aghayan M. 3109
- Boukhris S.** Souizi A. and Robert A. Short and efficient synthesis of new  $\alpha$ -oximino esters 4693
- Boulaajaj S.** see Sebtí S. 3999
- Bourel L.** Tartar A. and Melnyk P. Improved synthesis of pyridazinediones under microwave irradiation 4145
- Bourguet-Kondracki M.-L.** Debitus C. and Guyot M. Dipuuphehedione, a cytotoxic new red dimer from a New Caledonian marine sponge *Hyrtios* sp. 3861
- Bourguet-Kondracki M. L.** Martin M. T. and Guyot M. A new  $\beta$ -carboline alkaloid isolated from the marine sponge *Hyrtios erecta* 3457
- Bourguignon J.-J.** see Moutou J.-L. 1787
- Bourhis M.** see Ourtoule J.-C. 4697
- Bourseul A.** see Poignant G. 7511
- Bourzat J.-D.** Vuilhorgne M. Rivory L. P. Robert J. and Commerçon A. Semisynthesis of RPR 121056A, a major metabolite of irinotecan (CPT-11) 6327
- Boussard G.** see André F. 183
- Boussie T.** see López B. R. 5437
- Bouyssi D.** see Cavicchioli M. 1429
- BouzBouz S.** see Cossy J. 5091
- Bouziani L.** see Escudier J.-M. 4689
- Bovicelli P.** see Ballini R. 3507
- Bowden M. C.** see Greeves N. 2675
- Bowers J.** see Audia J. E. 4121
- Bowman J. L.** see McDonald F. E. 4675
- Boyce P. G. T.** see Luke R. W. A. 263
- Boyce R. J. and Pattenden G.** Sequential  $sp^2$ - $sp^2$  coupling reactions in polyene macrolide synthesis. A novel approach to macrolactin A 3501
- Boyd E. A.** Boyd M. E. K. and Kerrigan F. Facile synthesis of phosphorus-containing heterocycles 5425
- Boyd E. A.** Boyd M. E. K. and Loh, Jr V. M. Facile synthesis of functionalised phenylphosphinic acid derivatives 1651
- Boyd E. A.** Chan W. C. and Loh, Jr V. M. Multiple solid phase synthesis of (*RS*)-1-aminophosphinic acids 1647
- Boyd M. E. K.** see Boyd E. A. 5425
- Boyd M. E. K.** see Boyd E. A. 1651
- Boyd M. R.** see Bokesch H. R. 3259
- Boyd R.** see Davis F. A. 3267
- Bracey A.** see Waldman S. R. 7889
- Bradlee M. J.** see Coe J. W. 6045
- Bradley E. L.** Herbert R. B. Lawrie K. W. M. Khan J. A. Moody C. M. and Young D. W. Corrigendum 7329
- Bradley E. L.** Herbert R. B. Lawrie K. W. M. Khan J. A. Moody C. M. and Young D. W. The biosynthesis of the *Streptomyces* antibiotic bicyclomycin 6935
- Bradley M.** see Bonnat M. 5409
- Bradley M.** see Cardno M. 135
- Bradley M.** see Probert J. M. 1101
- Bradshaw J. S.** see Chen Z. 6831
- Brady P. A.** see Rowan S. J. 6013
- Braekman J.-C.** see Klein D. 7519
- Braga A. L.** see Silveira C. C. 6085
- Braga A. L.** see Silveira C. C. 9173
- Braghioli D.** and Di Bella M. New methods for the preparation of 2-amino-2-methylpropanesulfonic acid 7319
- Branan B. M.** see Paquette L. A. 1721
- Brand G.** see Hosseini M. W. 1405
- Brandi A.** see Machetti F. 4205
- Brands K. M. J.** Marchesini G. Williams J. M. Dolling U.-H. and Reider P. J. An expedient one-pot synthesis for protected 2-thia-5-azabicyclo[2.2.1]-heptan-3-ones. Versatile intermediates in the synthesis of carbapenem sidechains 2919
- Brandt T. A.** see Evans P. A. 1367
- Brandt T. A.** see Evans P. A. 6443
- Brandt T. A.** see Evans P. A. 9143
- Braslav R.** Kuhn H. Burill, II L. C. Lanham K. and Stenland C. J. Synthesis of several novel optically active nitroxyl radicals 7933
- Braun N. A.** and Spitzner D. Highly functionalized enantiopure oxatricyclo[3.3.1.0<sup>4,6</sup>]nonanes; selective opening of an activated cyclopropane ring 9187
- Bravo P.** Zanda M. and Zappalà C. Highly stereospecific  $S_N2$ -type displacement of sulfinyl by hydroxy group under Pummerer conditions 6005
- Braxmeier T.** see Knölker H.-J. 5861
- Bray A. M.** see Ede N. J. 9097
- Bray A. M.** see Valerio R. M. 3019
- Brayer J.-L.** see Darses S. 3857
- Breinbauer R.** see Reetz M. T. 4499
- Bremner J. B.** Skelton B. W. Smith R. J. Tarrant G. J. and White A. H. Synthesis of a deoxynojirimycin analogue from castanospermine 8573
- Bremner J. B.** Smith R. J. and Tarrant G. J. A Meisenheimer rearrangement approach to bridgehead hydroxylated tropane alkaloid derivatives 97
- Brenig V.** see Reggelin M. 6851
- Brennan P. J.** see Shilvock J. P. 8569
- Breslow R.** Desper J. and Huang Y. A selective intramolecular aldol condensation directed by a bifunctional enzyme mimic 2541
- Breslow R.** and Schmuck C. The mechanism of thiazolium catalysis 8241
- Bressette A. R.** see McGarvey G. J. 5465
- Breu J.** see Riebel P. 1583
- Breu J.** see Riebel P. 1587
- Bricard L.** see Marder R. 1777
- Bricout H.** Carpentier J.-F. and Mortreux A. Bis(aminophosphine)-nickel complexes as efficient catalysts for alkylation of allylic acetates with stabilized nucleophiles 6105
- Brigaud T.** Lefebvre O. Plantier-Royon R. and

- Portella C.**  
Mixed organofluorine-organosilicon chemistry—VI. Synthesis of *gem*-difluoro-C-glycosides and C-disaccharides from acylsilanes and trifluoromethyltrimethylsilane. An exploratory study 6115
- Brillon D.** see Schwan A. L. 2345
- Brinker U. H.** see Kupfer R. 6647
- Brinker U. H.** see Rosenberg M. G. 3235
- Brocard J.** see Carpentier J.-F. 167
- Brodbeck J., Bergquist K.-E. and Kihlberg J.**  
Preparation of a glycopeptide analogue of type II collagen—use of acid labile protective groups for carbohydrate moieties in solid phase synthesis of O-linked glycopeptides 3011
- Brogan J. B., Bauer C. B.**  
Rogers R. D. and Zercher C. K.  
Selectivity in the rearrangements of oxonium ylides 5053
- Broger E. A.** see Cereghetti M. 5347
- Brooks D. A.** see Williams D. R. 983
- Brough P. A., Fisher S.**  
Zhao B., Thomas R. C. and Snieckus V.  
Complex induced proximity effect enhancement in  $\alpha$ -silyl carbanion generation. A general conversion of 2-silyl benzamides into 2-fluorosilyl acetophenones 2915
- Brown C. and Evans G. R.**  
The 'thio-Arbuzov' reaction of sulfenate esters with sulfonyl chlorides: fate of the thiosulfinate product 9101
- Brown C. and Evans G. R.**  
The reaction of sulfenate esters with acyl chlorides. Formation of sulfonyl chlorides, and trapping thereof with alkenes 679
- Brown E.** see Dujardin G. 4007
- Brown H. C.** see Dhokte U. P. 8345
- Brown H. C.** see Dhokte U. P. 9021
- Brown H. C.** see Kulkarni S. V. 1763
- Brown H. C.** see Kulkarni S. V. 4125
- Brown H. C.** see Ramachandran P. V. 2205
- Brown H. C.** see Ramachandran P. V. 3795
- Brown H. C.** see Ramachandran P. V. 4911
- Brown M.** see Fry D. F. 6227
- Brown R. F. C., Coulston K. J. and Eastwood F. W.**
- Formation of biphenylene by elimination of  $C_2$  from 9,10-didehydrophenanthrene at 1100°C 6819
- Brown S. M.** see Greeves N. 2675
- Brown T., Dronsfield A., Jablonski A. and Wilkinson A.-S.**  
The thermolysis of benzyl cobaloximes: a new one step synthesis of 5-arylisoazoles 5413
- Bruce D. W.** see Wang Q. M. 7641
- Bruch M. D.** see McClure C. K. 2153
- Bruck M.** see Liao S. 7917
- Brunel Y. and Rousseau G.**  
Reaction of non stabilised phosphonium ylides with lactones 3853
- Brüning J. and Kiessling L. L.**  
Convergent synthesis of sulfated bivalent glycopeptides as selectin ligands 2907
- Brunissen A., Ayoub M. and Lavieille S.**  
Incorporation of Co-methyl amino acids by solid phase peptide synthesis in a peptide sequence 6713
- Brunner H.** see Fürstner A. 7009
- Bruzinski P. R.** see Davies H. M. L. 4133
- Bryan V. J. and Chan T.-H.**  
Iridium mediated intramolecular carbocyclization in aqueous media. A facile and stereoselective synthesis of fused  $\alpha$ -methylene- $\gamma$ -butyrolactones 5341
- Bu X. R., Li H., Van Derveer D. and Mintz E. A.**  
A novel approach to synthesis of tricyanovinylthiophene for heterocyclic imidazole nonlinear optical chromophores 7331
- Bubnov Y. N., Klimkina E. V., Ignatenko A. V. and Gridnev I. D.**  
Preparation of *trans*-2-allyl-6-alkyl(aryl)-1,2,3,6-tetrahydropyridines by reductive *trans*-2,6-dialkylation of pyridine. Synthesis of ( $\pm$ )-epidihydro-pyridine 1317
- Bucca D.** see Son D. Y. 1579
- Buck R. T., Doyle M. P., Drysdale M. J., Ferris L., Forbes D. C., Haigh D., Moody C. J., Pearson N. D. and Zhou Q.-L.**  
Asymmetric rhodium carbenoid insertion into the Si-H bond 7631
- Buckman B. O. and Mohan R.**  
Solid-phase synthesis of 1,3-dialkyl quinazoline-2,4-diones 4439
- Budešínsky M.** see Endová M. 3497
- Buhr S., Griesbeck A. G., Lex J., Mattay J. and Schröer J.**  
Stereoselectivity in the Paternò-Büchi reaction of 2,2-diisopropyl-1,3-dioxol with methyl trimethylpyruvate 1195
- Bull D. S.** see Posner G. H. 6279
- Bulychev N.** see Varaprasad C. V. 9
- Bumagin N. A., Sukhomlinova L. I., Luzikova E. V., Tolstaya T. P. and Beletskaya I. P.**  
Catalytic coupling of terminal acetylenes with iodoarenes and diaryl-iodonium salts in water 897
- Buono G.** see Chiodi O. 39
- Burandt, Jr C. L.** see Ohyama M. 5155
- Burgat Charvillon F. and Amouroux R.**  
Synthesis of nonracemic 3-fluoro-aspartic acids 5103
- Burger A.** see Magnin G. C. 7833
- Burger K.** see Osipov S. N. 615
- Burger K.** see Pires R. 8159
- Burger U.** see Montes I. F. 1007
- Burgess E. J.** see Perry N. B. 9387
- Burgess L. E., Gross E. K. M. and Jurka J.**  
The preparation of  $\alpha$ -substituted,  $\beta$ -hydroxy piperidines and pyrrolidines: the total synthesis of febrifugine 3255
- Burke S. D., Heap C. R., Porter W. J. and Song Y.**  
Cyclic hydropyan oligolides as preorganized ligand arrays: modular assembly of 18-, 24-, 36-, 48-, 54- and 72-membered rings via iteration and cyclooligomerization 343
- Burilli, II L. C.** see Braslav R. 7933
- Burton D. J.** see Davis C. R. 7237
- Burton D. J.** see Qiu W. 2745
- Burton D. J.** see Xue L. 1921
- Burton G.** see Ferrara A. 929
- Busacca C. A., Dong Y. and Spinelli E. M.**  
A one step synthesis of thiazolines from esters 2935
- Busacca C. A. and Dong Y.**  
A facile synthesis of 4-aryl-2,3-dihydropyrroles 3947
- Busujima T.** see Kobayashi S. 9221
- Butcher J. W., Liverton N. J., Selnick H. G., Elliot J. M.**

- Smith G. R.** Tebben A. J.  
**Pribush D. A.** Wai J. S. and  
**Claremon D. A.**  
 Preparation of 3-amino-1,4-benzodiazepin-2-ones via direct azidation with trisyl azide 6685
- Butchko M.** see Creary X. 579  
**Butkiewicz N.** see Chu M. 7229
- Butler D. N.** Smits R.  
 Evans D. A. C. Weerasuria K. D. V. and Warrener R. N.  
 New synthetic routes to molrac spacer and platform systems which incorporate the 1,4-benzoquinone chromophore 2157
- Butler D. N.** Tepperman P. M.  
**Gau R. A.** and  
**Warrener R. N.**  
 The synthesis of inward-facing 3,6-di(2-pyridyl)pyridazine ligands 2825
- Butler K. E.** see Mallory F. B. 7173
- Butora G.** Hudlicky T.  
 Fearnley S. P. Gum A. G.  
 Stabile M. R. and Abboud K.  
 Chemoenzymatic synthesis of the morphine skeleton via radical cyclization and a C<sub>10</sub>-C<sub>11</sub> closure 8155
- Butsugan Y.** see Araki S. 8417
- Butt W. M.** see Bols M. 2097
- Bycroft B. W.** see Nash I. A. 2625
- Byerley A. L. J.**  
 Kenwright A. M. and  
 Steel P. G.  
 Synthesis of C-disaccharides via glucal dimerisation 9093
- Byers J. H.** Whitehead C. C. and Duff M. E.  
 Addition of a sulfur-stabilized radical to electron-deficient alkenes via phenyl selenide transfer 2743
- Bylinskaite J.** see Mickeyvicius V. 3489
- Caballero E.** Guilhot F.  
 López J. L. Medarde M.  
 Sahagún H. and Tomé F.  
 Synthesis and Diels-Alder reactivity of simple 1-phenoxy-1,3-dienes 6951
- Caballero E.** see Medarde M. 2663
- Caballero M. C.** see Raposo C. 1485
- Caballero M<sup>#</sup> C.** see Raposo C. 6947
- Cabanas L.** see Piettre S. R. 5881
- Cabeza M. I.** see Paz M. M. 9259
- Cabrero A.** see Gálvez N. 6197
- Cabri W.** Curini M.  
 Marcotullio M. C. and  
 Rosati O.  
 A high yield semisynthetic approach to 2'-*epi*-Taxol 4785
- Caddick S.** and Jenkins K.  
 A new dynamic resolution strategy for asymmetric synthesis 1301
- Cadefau J.** see Blériot Y. 7155
- Cadilhac C.** see Arnould J. C. 4523
- Caifiero F.** Fattorusso E.  
 Mangoni A. and Tagliatela-Scafati O.  
 Dispamacrides, anti-histamine alkaloids from Caribbean Agelas sponges 3587
- Cahiez G.** and Marquis S.  
 Highly chemo- and stereo-selective Fe-catalyzed alkenylation of organo-manganese reagents 1773
- Cahiez G.** see Riguet E. 5865
- Cai D.** Hughes D. L. and  
 Verhoeven T. R.  
 A study of the lithiation of 2,6-dibromopyridine with butyllithium, and its application to synthesis of L-739,010 2537
- Cai J.** Nemoto H. Singaram B. and Yamamoto Y.  
 Facile reaction of o-carboranyl lithium reagents with functionalized alkyl halides 3383
- Cai J.** and Soloway A. H.  
 Synthesis of carboranyl polyamines for DNA targeting 9283
- Cai J.** see Hale K. J. 4233
- Cai J.** see Hale K. J. 9345
- Cai J.** see Nemoto H. 539
- Cai J.** see Zeng X. 3009
- Cai M. S.** see Zhu X. X. 8549
- Cai Y. M.** see Asato A. E. 419
- Cal D.** see Bartrik R. 8751
- Calderan A.** see Ruzza P. 5191
- Callot H. J.** see Krattinger B. 7699
- Calmes M.** Daunis J. Mai N. and Natt F.  
 A convenient synthesis of optically active phenylglycine 379
- Calvo D.** Port M. Delpech B. and Lett R.  
 Total synthesis of forskolin—III. Studies related to an asymmetric synthesis 1023
- Calvo D.** see Delpech B. 1015
- Calvo D.** see Delpech B. 1019
- Calvo K. C.** Moore R. and Koser G. F.  
 Bis-ketol phosphate alkyl triesters: rate of initial ketol group hydrolysis 1169
- Camerini R.** Panunzio M.  
 Bonanomi G. Donati D. and Perboni A.  
 Highly stereocontrolled synthesis of a novel tribactam by reaction of an ester enolate with an N-trimethylsilylimine 2467
- Cameron J. M.** see Banwell M. G. 525
- Caminade A.-M.** see Slany M. 9053
- Campanini L.** Duréault A. and Depezay J.-C.  
 One step synthesis of sulfur and nitrogen linkedaza-disaccharide precursors from D-mannitol derived bis-aziridines 5095
- Campbell J. R.** see Ehrlich P. P. 7345
- Campbell M. G.** see Superchi S. 6061
- Campbell R. M.** see Liu A. 3785
- Campos Neves A. S.** see Salvador J. A. R. 687
- Camps P.** Font-Bardia M.  
 Pérez F. Solà L. Solans X. and Vázquez S.  
 Low temperature X-ray diffraction analysis of 4,5,10,11-tetramethyl-heptacyclo[8.2.1.12.5.14.7.18.11.0<sup>1,8</sup>.0<sup>2,7</sup>]hexadecane: DSC, MM2 and <sup>1</sup>H NMR study of its [2 + 2]retrocycloaddition to an isomeric diene 8601
- Camps P.** Luque F. J.  
 Orozco M. Pérez F. and Vázquez S.  
 Synthesis, chemical trapping and dimerization of tricyclo[3.3.0.0<sup>3,7</sup>]oct-1(5)-ene, the consummate member of a series of pyramidalized alkenes 8605
- Canan Koch S. S.** see Bennani Y. L. 8109
- Cañas A. I.** see de Vargas E. B. 767
- Canet J.-L.** see Ripoche I. 3991
- Cannon A.** see Shawe T. T. 3823
- Cao D.** Kolshorn H. and Meier H.  
 Phenylethynyl- and phenylethenylmetacyclophe 4487
- Cao J.** see Williams R. M. 5441
- Cao J.** see Wilson S. R. 775
- Cao S.** and Roy R.  
 Synthesis of glycopolymers containing GM<sub>3</sub>-saccharide 3421
- Cao X.** and Mjalli A. M. M.  
 Combinatorial method for the synthesis of  $\alpha$ -hydroxy phosphonates on Wang resin 6073
- Cao X.-P.** Chan T.-L. and Chow H.-F.  
 Direct conversion of dipropargylic sulfones into (*E*)- and (*Z*)-hex-3-ene-1,5-diyne by a modified one-flask Ramberg-Bäcklund reaction 1049
- Capdevielle P.** see Rousselet G. 8497
- Capdevila J. H.** see Heckmann B. 1425

- Cappiello J.** see Ghosh A. K. 3815
- Capriati V.** see Florio S. 4781
- Captain L. F., Xia X. and Liotta D. C.**  
Remote asymmetric induction in organocupper conjugate additions to 3-ketoacrylates 4293
- Caracciolo M.** see Reginato G. 1325
- Caramella P.** see Quadrelli P. 1909
- Cardellinio C., Iacuone A., Naso F. and Tortorella P.**  
A novel route to enantiomerically pure sulfoxides through displacement of a carbon leaving group 6017
- Cardellina, II J. H.** see Bokesch H. R. 3259
- Cardillo R.** see Arnone A. 3903
- Cardno M. and Bradley M.**  
A simple multiple release system for combinatorial library and peptide analysis 135
- Carducci M., Fioravanti S., Loreto M. A., Pellacani L. and Tardella P. A.**  
Aziridination of  $\alpha,\beta$ -unsaturated esters by (ethoxycarbonyl)nitrene 3777
- Carlier V.** see Vanwetswinkel S. 2761
- Carlson R. G.** see Hohman J. R. 8273
- Carlson R. M.** see Krasutsky P. A. 5673
- Carofiglio T., Fornasier R., Lucchini V., Rosso C. and Tonellato U.**  
Very strong binding and mode of complexation of water-soluble porphyrins with a permethylated  $\beta$ -cyclodextrin 8019
- Caron G.** see Zahouily M. 8387
- Caron G.** see Zamir L. O. 6435
- Carpenter S. H.** see Tamura S. Y. 4109
- Carpentier J.-F., Pamart L., Maciewjeski L., Castanet Y., Brocard J. and Mortreux A.**  
Kinetic resolution of racemic tricarbonyl(2-chloroanisole)chromium via palladium-catalysed asymmetric alkoxy carbonylation 167
- Carpentier J.-F.** see Bricout H. 6105
- Carpentier J. F.** see Couture A. 3697
- Carpino L. A.** see Wenschuh H. 5483
- Carr M. A.** see Chou T. S. 17
- Carr R. E.** see Fishwick C. W. G. 711
- Carr R. E.** see Fishwick C. W. G. 3915
- Carr R. E.** see Fishwick C. W. G. 5163
- Carreño M. C.**
- García Ruano J. L., Sanz G., Toledo M. A. and Urbano A.
  - Mild and regiospecific nuclear iodination of methoxybenzenes and naphthalenes with *N*-iodosuccinimide in acetonitrile 4081
- Carreño M. C.** see Bartolomé J. M. 3187
- Carretero J. C., Diaz N., Molina M<sup>†</sup> L. and Rojo J.**  
Unexpected synthesis of 1,6-dioxadecalins by desulfonylation of phenylsulfonyl[4,5]-spiroketals 3179
- Carretero J. C., Gómez Arrayás R. and Storch de Gracia I.**  
Stereoselective synthesis of hydroxypyrrrolidines and hydroxypiperidines by cyclization of  $\gamma$ -oxygenated- $\alpha,\beta$ -unsaturated sulfones 3379
- Carrington C. M. S.** see Henry G. E. 8663
- Carroll F. I.** see Gonzalez J. 8655
- Carroll P. J.** see Davis F. A. 3267
- Carrupt P.-A.** see Zahouily M. 8387
- Carter D. S. and Van Vranken D. L.**  
Photooxidation of 2,2'-indolylindolines to 2,2'-biindoles: mild formation of ditryptophan crosslinks 5629
- Carter K. W.** see Harmata M. 6267
- Carter M. L.** see Pascal, Jr R. A. 8125
- Caruthers M. H.** see Greef C. H. 4451
- Caruthers M. H.** see Kofoed T. 6457
- Caruthers M. H.** see Zhao Z. 6239
- Casaschi A., Grigg R., Sansano J. M., Wilson D. and Redpath J.**  
Palladium catalysed cascade hydrostannylation–bis-cyclisation–intramolecular anion capture. Routes to bridged- and spiro-cyclic small and macrocyclic heterocycles 4413
- Cases M.** see Cossy J. 8173
- Casey S.** see Kremsky J. N. 4313
- Cassagne C.** see Lucet-Levannier K. 2007
- Cassis P. R.** see Yu D. W. 8845
- Cassol T. M.** see Dabdoub M. J. 831
- Cassol T. M.** see Dabdoub M. J. 9005
- Castagnino C. and Vercauteran J.**  
Castavinol, a new series of polyphenols from Bordeaux red wines 7739
- Castanet Y.** see Carpentier J.-F. 167
- Castaño A. M. and Echavarren A. M.**  
Palladium-catalyzed cross-coupling reaction of allyl carbonates with organostannanes 6587
- Castaño A. M., Ruano M. and Echavarren A. M.**  
Palladium-switchable bisnucleophiles 6591
- Castedo L.** see González C. 405
- Castillón S.** see Farràs J. 901
- Castro E.** see López-Calahorra F. 5019
- Catalán C. A. N.** see Joseph-Nathan P. 8093
- Catalano J. G.** see Hopper D. W. 7871
- Catalo W. J.** see Junk T. 3445
- Caturla F. and Nájera C.**  
(E)-N-Isopropyl-5-tosyl-4-pentenamide: a vinyl sulfone as precursor of a new  $\delta$ -acyldienyl anion equivalent 2833
- Caturla F. and Nájera C.**  
Dilithiated (E)-N-isobutyl-4-tosyl-2-butenamide: an allyl sulfone dianion for the regioselective  $\gamma$ -functionalization of crotonamide dianion 4787
- Cava M. P.** see Mørkved E. H. 9149
- Cavaleiro J. A. S.**
- Nascimento G. M. S. F. C.
  - Neves M. G. P. M. S.
  - Pinto M. T., Silvestre A. J. D. and Vicente M. G. H.
  - Oxidation of natural compounds catalyzed by Mn(III) porphyrin complexes 1893
- Cavaleiro J. A. S.** see Faustino M. A. F. 3569
- Cavaleiro J. A. S.** see Vicente M. G. H. 261
- Cavalla D., Guéguen C., Nelson A., O'Brien P., Russell M. G. and Warren S.**  
Chiral phosphine oxides and chiral esters in stereoselective intermolecular acylation reactions of phosphine oxides 7465
- Cavé A.** see Duret P. 7043
- Cavé A.** see Franck X. 1593
- Cavé A.** see Gleye C. 9301
- Cavé A.** see Pichon M. 7963
- Cavelier F. and Enjalbal C.**  
Studies of selective Boc removal in the presence of silyl ethers 5131
- Cavicchioli M., Bouyssi D., Goré J. and Balme G.**  
Palladium-mediated intra-

- molecular cyclization of substituted pentenoic acids. A new route to  $\gamma$ -arylidene-butyrolactones 1429
- Cazes B.** see David K. 3333
- Cazes B.** see David K. 3335
- Cebula R. E. J. Hanna M. R.**  
Theberge C. R.  
Verbicky C. A. and  
Zercher C. K.  
Ylide-mediated bis-cyclopropane formation: a reversal in substrate-mediated facial selectivity 8341
- Cebulska Z.** see Bartnik R. 8751
- Ceccarelli W.** see Pincioli V. 9365
- Cejka J.** see Dolensky B. 6939
- Celebuski J. E.** see Hill D. R. 787
- Cerdá-García-Rojas C. M.** see Joseph-Nathan P. 8093
- Cereghetti M. Arnold W.**  
Broger E. A. and Rageot A.  
(*R*)- and (*S*)-6,6'-dimethyl- and 6,6'-dimethoxy-2,2'-diiodo-1,1'-biphenyls: versatile intermediates for the synthesis of atropisomeric diphosphine ligands 5347
- Cereghetti M. Schmid R.**  
Schönhölzer P. and  
Rageot A.  
An efficient access to (*R*)- and (*S*)-6,6'-dimethoxy-2,2'-diiodo-1,1'-biphenyl 5343
- Cerioni G. Biali S. E. and Rappoport Z.**  
Hydrogen bonding in calix[ $n$ ]arenes. A preliminary  $^{17}\text{O}$  NMR study 5797
- Cerreta F.** see Alayrac C. 4507
- Cervera M. and Marquet J.**  
Direct coupling of carbon nucleophiles with *m*-dinitrobenzene: a novel fluoride promoted nucleophilic aromatic photosubstitution for hydrogen 7591
- Cha J. K.** see Lee J. 3663
- Chabot B. M.** see  
Barton D. H. R. 1755
- Chai W.** see Engler T. A. 6969
- Chakhmakhcheva O. G.** see van der Laan A. C. 7857
- Chakrabarti D.** see Pandey G. 2285
- Champagne P.** see Barbuy D. 7725
- Champoux J. A.** see  
Roush W. R. 8989
- Chan C. Scicinski J. J.**  
Srikantha A. R. P. and  
Watson N. S.  
The squalenestatins: synthesis of C-4 carboxamide derivatives 8925
- Chan D. M. T.**  
Promotion of reaction of N-H bonds with triarylbismuth and cupric acetate 9013
- Chan E. W.-K.** see  
Lam W. W.-L. 4733
- Chan K.** see Bhagwat S. S. 4627
- Chan K. S.** see Zhang H. 1043
- Chan S. I.** see Stowell M. H. B. 307
- Chan T.-H.** see Bryan V. J. 5341
- Chan T.-L.** see Cao X.-P. 1049
- Chan T.-L.** see Kwong C.-Y. 5913
- Chan T.-L.** see Ng M.-K. 2979
- Chan T.-M.** see Chu M. 7229
- Chan T. Y. Chen A.**  
Allanson N. Chen R. Liu D. and Sofia M. J.  
Solid phase synthesis of peptidoglycan monomers for the generation of a combinatorial library 8097
- Chan W. C.** see Boyd E. A. 1647
- Chan W. C.** see Nash I. A. 2625
- Chand D. K. and Bharadwaj P. K.**  
Size mismatch between two tripodal units: a new synthetic strategy for macrotricyclic cryptand 8443
- Chand T.** see Sharma M. L. 2279
- Chandler N. M.** see Curran T. P. 1933
- Chandramouli N.** see  
Sharma S. K. 5665
- Chandraratna R. A. S.** see  
Vuligonda V. 1941
- Chandrasekar P. and Lash T. D.**  
Versatile '3 + 1' syntheses of acenaphthoporphyrins, a new family of highly conjugated tetrapyrroles 4873
- Chandrasekaran S.** see Bhat S. 3581
- Chandrasekhar S.**  
Sumithra G. and Yadav J. S.  
Deprotection of mono and dimethoxy phenyl methyl ethers using catalytic amounts of DDQ 1645
- Chandrasekhar S.** see  
Yadav J. S. 6603
- Chandrasekharam M.** see  
Tso H.-H. 4189
- Chandra Sheker Reddy A.**  
Narsaiah B. and  
Venkataraman R. V.  
Palladium (II) catalysed Claisen rearrangement: synthesis of inaccessible *N*-allyl-2(1*H*)-pyridones from 2-(allyloxy)pyridines 2829
- Chandra Sheker Reddy A.**  
Shanthan Rao P. and  
Venkataraman R. V.  
Fluoro organics: a facile and exclusive synthesis of novel 2- or 4-trifluoromethyl(1*H*,5<sup>-</sup>aryldiazepines 2845
- Chaney S. T.** see Lash T. D. 8825
- Chang C.-J.** see Sha C.-K. 3487
- Chang C.-Y.** see Sha C.-K. 6959
- Chang H.-C.** see Arai Y. 4381
- Chang H.-T. and Sharpless K. B.**  
A practical route to enantiopure 1,2-aminoalcohols 3219
- Chang K.** see Lee N. 2429
- Chang R. K. and Kim K.**  
Facile synthesis of nitriles from primary nitro compounds via nitrolic acids and their esters 7791
- Chang S.-C.** see Lai M.-L. 6149
- Chang W.-L.** see Lee S.-S. 4405
- Chanon M.** see  
Bernard-Henriet C. 2417
- Chanon M.** see Hada C. 3845
- Chanon M.** see Mattalia J.-M. 4717
- Chao I.** see Liu K.-T. 4173
- Chapman K. T.** see  
Hutchins S. M. 4865
- Chapman K. T.** see  
Hutchins S. M. 4869
- Chapman K. T.** see  
Willoughby C. A. 7181
- Chappie T. A. Weekly R. M. and McMills M. C.**  
Application of diazode-composition reactions in tandem with [2,3]-sigmatropic rearrangements to prepare substituted azabicyclic ring systems 6523
- Chapron I.** see Alayrac C. 4507
- Charette A. B. Juteau H.**  
Lebel H. and Deschênes D.  
The chemo- and enantio-selective cyclopropanation of polyenes: chiral auxiliary versus chiral reagent-based approach 7925
- Charette A. B. and Giroux A.**  
Asymmetric hydrogenation of *N*-tosylimines catalyzed by BINAP-ruthenium(II) complexes 6669
- Charnsangavej C.** see  
Doyle M. P. 4129
- Charoenying P. Davies D. H. McKerrecher D. and Taylor R. J. K.**  
A new stereocontrolled, pyrylium-based route to conjugated dienyne: the first synthesis of carduusyne A 1913
- Charrouf-Chafchaouni Z.**  
Maurin R. and Guillaume D.  
Thermal rearrangement of halogenated dimethylene-cyclobutane and methylene-cyclobutene derivatives 5099
- Chassagnard C.** see  
Rousselet G. 8497
- Chatel J.-F.** see Mishra A. K. 7515

- Chatgilialoglu C.** Alberti A.  
**Ballestri M.** Macciantelli D.  
**and Curran D. P.**  
Tris(trimethylsilyl)silane as mediator in the radical-based allylation reactions of allyl and 2-functionalized allyl phenyl sulfones 6391
- Chatgilialoglu C.** Ballestri M.  
Vecchi D. and Curran D. P.  
Synthesis of 2-functionalized allyl tris(trimethylsilyl)silanes 6383
- Chatgilialoglu C.** Ferreri C.  
Ballestri M. and Curran D. P.  
2-Functionalized allyl tris(trimethylsilyl)silanes as radical-based allylating agents 6387
- Chattarjee S.** see Subramanyam C. 459
- Chatterjee S.** see Subramanyam C. 2315
- Chaturvedi S.** see Horn T. 743
- Chaudhry U.** see McGrath D. V. 6077
- Chauhan M.** Chuit C.  
Corriu R. J. P. and Reyé C.  
More information about the existence of siliconium ions 845
- Chauret D. C.** Durst T.  
Arnason J. T. Sanchez-Vindas P. San Roman L.  
Poveda L. and Keifer P. A.  
Novel steroids from *Trichilia hirta* as identified by nanoprobe INADEQUATE 2D-NMR spectroscopy 7875
- Chautemps P.** see Provent C. 1393
- Chauvet F.** Coste-Manière I.  
Martres P. Perfetti P.  
Waegell B. and Zahra J.-P.  
Synthesis of nor-norambracetol 3695
- Chavan S. P.**  
Venkatraman M. S.  
Sharma A. K. and Chittiboyina A. G.  
Corrigendum 5027
- Chavan S. P.** Ethiraj K. S. and Kamat S. K.  
Unusual Cope rearrangement of tricyclo[5.2.1.0<sup>2,6</sup>]decadiene 2-carboxylic ester on acetalisation with ethylene glycol, PTSA 7827
- Chavan S. P.** Ravindranathan T.  
Patil S. S. Dhondge V. D. and Dantale S. W.  
An efficient synthesis of  $\alpha$ -cuparenone 2629
- Chavan S. P.**  
Venkatraman M. S.  
Sharma A. K. and Chittiboyina A. G.  
Study of the reactivity profile of glycine Schiff's bases with dipolarophiles: application towards a concise synthesis of CCG-II 2857
- Chavan S. P.** Zubaidha P. K.  
Dantale S. W.  
Keshavaraja A.  
Ramaswamy A. V. and Ravindranathan T.  
Use of solid superacid (sulphated SnO<sub>2</sub>) as efficient catalyst in facile transesterification of ketoesters 233
- Chavan S. P.** Zubaidha P. K.  
Dantale S. W.  
Keshavaraja A.  
Ramaswamy A. V. and Ravindranathan T.  
Facile deprotection of allyl esters mediated by solid superacid (sulphated SnO<sub>2</sub>) 237
- Chavan S. P.** see Kalkote U. R. 6785
- Chbani M.** see Beugelmans R. 1603
- Chen A.** see Chan T. Y. 8097
- Chen B.** Yang C.-Y. and Ye D.-Y.  
Intramolecular Diels-Alder reaction of pyrazines with an alkanyl side chain 8205
- Chen C.** see Eisenberg S. W. E. 7683
- Chen C.-H.** see Lee S.-S. 4405
- Chen D.** Yu L. and Wang P. G.  
Lewis acid-catalyzed reactions in protic media.  
Lanthanide-catalyzed reactions of indoles with aldehydes or ketones 4467
- Chen D.** see Yu L. 2169
- Chen D.-L.** and Li C.-J.  
A gem-allyl dianion synthon in water 295
- Chen D.-W.** see Shu T. 5539
- Chen G.-M.** see Ramachandran P. V. 2205
- Chen G.-M.** see Ramachandran P. V. 3795
- Chen H.-C.** see Chou T. 7823
- Chen H. G.** Goel O. P.  
Kesten S. and Knobelsdorf J.  
A novel modification of the Ritter reaction using trimethylsilyl cyanide 8129
- Chen J.** see Katritzky A. R. 6631
- Chen J.** see Murray R. W. 805
- Chen J.** see Snider B. B. 6977
- Chen J.** see Thum O. 9017
- Chen J.** see Xiang Y. 3779
- Chen J.** see Liu W. 5325
- Chen J. L.** see Hungate R. W. 4113
- Chen J. S.** see Stratakis M. 4105
- Chen L.** see Kraus G. A. 7245
- Chen M.** see Hoye T. R. 3099
- Chen M.-F.** see Clennan E. L. 2911
- Chen M.-H.** and Abraham J. A.  
Free radical method for the synthesis of spiro-piperidinyl heterocycles 5233
- Chen R.** see Chan T. Y. 8097
- Chen S. and Coward J. K.**  
A general method for the synthesis of *N*-protected  $\alpha$ -aminoalkylphosphinic acids 4335
- Chen S.** see Linderman R. J. 3819
- Chen S.-H.**  
First syntheses of C-4 methyl ether paclitaxel analogs and the unexpected reactivity of 4-deacetyl-4-methyl ether baccatin III 3935
- Chen S.-H.** see Gao Q. 3425
- Chen S.-Q.** see Hara S. 8511
- Chen W.** Flavin M. T. Filler R. and Xu Z.-Q.  
Introduction of  $\alpha$ -fluorophosphonomethyl ether functionality and its application to the synthesis of fluorinated acyclic phosphonate nucleosides 8975
- Chen W.-C.** see Yao C.-F. 6339
- Chen W.-H.** Yuan D.-Q. and Fujita K.  
Bifunctional  $\beta$ -cyclodextrins with two imidazolyl groups specifically attached to C3 positions 7561
- Chen X.** see Comins D. L. 9275
- Chen X.** see Zeng X. 3009
- Chen X.** Y. see Menger F. M. 323
- Chen Y.** see Mitchell R. H. 5239
- Chen Y.** see Mitchell R. H. 6665
- Chen Y.-J.** De Clercq P. and Vandewalle M.  
Synthesis of new vitamin D<sub>3</sub> analogues with a decalin-type CD-ring 9361
- Chen Y.-L.** see Wang T.-C. 6369
- Chen Y.-P.** see Arai Y. 4381
- Chen Z.** Bradshaw J. S. and Lee M. L.  
A convenient synthesis of mono-6-hydroxy permethylated  $\beta$ -cyclodextrin via *tert*-butyldimethylsilylation 6831
- Chen Z.** see Zoretic P. A. 7909
- Cheney D. P.** see Gruber M. A. 4635
- Cheng D.** see Lau W. Y. 4297
- Cheng H.** see Corey E. J. 2709
- Cheng H.** see Corey E. J. 3287
- Cheng J.** Gano J. E. and Morgan A. R.  
Low-valent titanium reductive coupling reactions of pyrrylaldehydes and pyrrylketones 2721
- Cheng J.** see Kobayashi J. 6775
- Cheng J.-P.** and Zheng Z.  
Carbon-halogen bond cleavage energies of polyhaloalkyl radical anions in solution 1457
- Cheng K.-L.** see Stoub D. G. 4927

- Cheng Y.** see Löwik D. W. P. M. 8253
- Cheng Y.** see Meth-Cohn O. 2679
- Chengebroyen J., Pfeffer M. and Sirlin C.** Palladium-assisted intramolecular formation of N-heterocycles by  $sp^2$  N-nucleophilic attack on  $\eta^3$ -allyl-Pd complexes generated by allene insertion into  $\sigma$  Pd-C bond 7263
- Chertkov V. A.** see Samoshin V. V. 3981
- Cheruvallath Z. S.** see Ravikumar V. T. 6643
- Cheung E. T.** see Headley A. D. 6673
- Cheung H. T. A.** see Larden D. W. 7581
- Chiappe C.** see Bellucci G. 4225
- Chiappe C.** see Bellucci G. 9089
- Chiaroni A.** see Sageot O. 7019
- Chiavetto L. B.** Guglielmetti G., Querci C. and Ricci M. Oxidation of isosafrole by sodium hypochlorite catalysed by manganese porphyrins: unusual competition between epoxidation and O-dealkylation 1091
- Chiba T.** see Kuramoto M. 3867
- Chinchilla R.** see Bernabeu M. C. 3595
- Ching B. W.** see Short K. M. 7489
- Ching J.** see Voivodov K. I. 5669
- Chiodi O., Fotiadu F., Sylvestre M. and Buono G.** Enantioselective reduction of ketones by borane catalysed by oxazaphospholidine oxides 39
- Chitnavis A. A.** see Khadilkar B. M. 1719
- Chittiboyina A. G.** see Chavan S. P. 2857
- Chittiboyina A. G.** see Chavan S. P. 5027
- Cho B. P. and Zhou L.** Attempted synthesis of fjord-region containing polycyclic fluoranthrenes reveals a steric-driven double Wagner-Meerwein rearrangement 1535
- Cho C.-W.** see Park J. 6137
- Cho C. Y.** see Paikoff S. J. 5653
- Cho S.-D., Choi W.-Y., Lee S.-G., Yoon Y.-J. and Shin S. C.** Chemoselective reduction of highly-functionalized azidopyridazines to corresponding aminopyridazines using Fe/NH<sub>4</sub>Cl in organic solvent-water two-phase solution 7059
- Cho Y. L.** see Jeong K.-S. 2795
- Cho Y. M.** see Jung M. E. 3
- Chodorowski-Kimmes S., Beley M., Collin J.-P. and Sauvage J.-P.** Construction of multi-component systems by utilizing functionalized transition metal complexes as building blocks 2963
- Chodounská H.** see Kasal A. 6221
- Choi H.-S.** see Yu C.-M. 7095
- Choi J. and Yoon N. M.** An excellent nickel boride catalyst for the *cis*-selective semihydrogenation of acetylenes 1057
- Choi J.** see Sim T. B. 3137
- Choi J.** see Yoon N. M. 8527
- Choi J. Y. and Kim Y. H.** Highly diastereoselective addition of trimethylsilyl cyanide to chiral hydrazones in the presence of Et<sub>2</sub>AlCl 7795
- Choi J. Y.** see Kim Y. H. 5543
- Choi J. Y.** see Kim Y. H. 8771
- Choi K.-S.** see Ha D.-C. 5723
- Choi K. I.** see Kang H.-Y. 7549
- Choi S.-C.** see Kang S.-K. 3723
- Choi S.-Y.** see Barton D. H. R. 2695
- Choi W.-Y.** see Cho S.-D. 7059
- Choi W. J.** see Kim D. 1433
- Chomei N.** see Adachi M. 8871
- Chopra A.** see Birman V. B. 5073
- Chorghade M. S.** see Hill D. R. 787
- Choshi T., Sada T., Fujimoto H., Nagayama C., Sugino E. and Hibino S.** Total syntheses of carazostatin and hyellazole by allene-mediated electrocyclic reaction 2593
- Chou S.-S. P., Sun D.-J., Huang J.-Y., Yang P.-K. and Lin H.-C.** Synthesis of sulfone-substituted thiophene chromophores for second-order nonlinear optics 7279
- Chou S.-S. P. and Hsu C.-H.** Synthetic applications of tricarbonyl[ $n^5$ -1-(phenylsulfonyl)cyclohexadienyl]-iron(I) complex 5373
- Chou T., Haino T., Kuramoto M. and Uemura D.** Isolation and structure of pinnatoxin D, a new shellfish poison from the Okinawan bivalve *Pinna muricata* 4027
- Chou T., Kamo O. and Uemura D.** Relative stereochemistry of pinnatoxin A, a potent shellfish poison from *Pinna muricata* 4023
- Chou T., Kuramoto M., Otani Y., Shikano M., Yazawa K. and Uemura D.** Pinnaic acid and tauropinnaic acid: two novel fatty acids composing a 6-azaspiro[4.5]-decaene unit from the Okinawan bivalve *Pinna muricata* 3871
- Chou T. and Chen H.-C.** Type one and type two intramolecular Diels-Alder reactions of quinolono-o-quindimethanes 7823
- Chou T.-C., Yeh Y.-L. and Lin G.-H.** A fragmentation-photocyclization approach towards homo-secohexaprismane skeleton 8779
- Chou T.-S.** see Yang T.-K. 4537
- Chou T. S., Becke L. M., O'Toole J. C., Carr M. A. and Parker B. E.** Triethylamine poly(hydrogen fluorides) in the synthesis of a fluorinated nucleoside glycon 17
- Chou Y.-L.** see Mohan R. 3963
- Chow H.-F. and Mak C. C.** Facile preparation of optically active dendritic fragments containing multiple tartrate-derived chiral units 5935
- Chow H.-F.** see Cao X.-P. 1049
- Chow H.-F.** see Kwong C.-Y. 5913
- Chow H.-F.** see Ng M.-K. 2979
- Chow H.-F.** see Shing T. K. M. 3713
- Chowdhury C. and Kundu N. G.** Copper(I)-catalysed acylation of terminal alkynes 7323
- Chowdhury S. and Roy S.** Manganese (II) catalysed Hunsdiecker reaction: a facile entry to  $\alpha$ -(dibromomethyl)benzenemethanol 2623
- Christensen P.** see Bols M. 2097
- Christie B. A.** see Armstrong S. K. 9373
- Chu C. K.** see Yang T.-F. 8849
- Chu F.** see DeFord J. 1925
- Chu G.** see Xu R. 1463
- Chu G.-H.** see Solladié G. 111
- Chu H.-Y.** see Yang T.-K. 4537
- Chu M., Mierzwa R., Truumees I., King A., Patel M., Berrie R., Hart A., Butkiewicz N., DasMahapatra B., Chan T.-M. and Puar M. S.** Structure of Sch 68631: a new hepatitis C virus proteinase inhibitor from *Streptomyces* sp. 7229
- Chu M., Mierzwa R., Truumees I., King A., Patel M., Richardo J., Hart A., Dasmahapatra B.**

- Das P. R. and Puar M. S.**  
Sch 65676: a novel fungal metabolite with the inhibitory activity against the cytomegalovirus protease 3943
- Chuang C.-T.** see Wu H.-J. 7395
- Chui H. M. P.** see Montgomery J. 6839
- Chuit C.** see Chauhan M. 845
- Chulia A. J.** see Comte G. 2955
- Chung I. H. F.** see Shing T. K. M. 3713
- Chung S. K.** see Barton D. H. R. 3631
- Chung W.-S.** see Wu H.-J. 8209
- Chung Y. J.** see Kim B. H. 139
- Chung Y. K.** see Lee N. Y. 3145
- Chupin V. V.** see Mironov A. F. 6395
- Churakov A. M. Ioffe S. L.**  
Strelenko Y. A. and Tartakovsky V. A.  
Synthesis of 4*H*-[1,2,3]triazolo[4,5-*c*][1,2,5]oxadiazole 5-oxide and its *N*- and *O*-alkyl derivatives 8577
- Churilova I.** see Akhrem I. 5775
- Cid M. M.**  
Synthesis of 4-substituted-1,4-dihydropyridines 6033
- Cieslak J. Sobkowski M.**  
Kraszewski A. and Stawinski J.  
Aryl H-phosphonates—IV. A new method for internucleotide bond formation based on transesterification of aryl nucleoside H-phosphonate diesters 4561
- Cimanga K. De Bruyne T.**  
Pieters L. Claeys M. and Vlietinck A.  
Corrigendum 3217
- Cimanga K. De Bruyne T.**  
Pieters L. Claeys M. and Vlietinck A.  
New alkaloids from *Cryptolepis sanguinolenta* 1703
- Cimino G.** see Gavagnin M. 4259
- Cimino G.** see Ungar N. 3549
- Cinquini C.** see Bortolussi M. 8729
- Cioffi E. A.**  
Solvent-induced control of ultrasonic deuterium labelling 6231
- Ciufolini M. A. Dong Q.**  
Yates M. H. and Schunk S.  
Annulation of heterocyclic rings on aromatic templates: the quinone monoketal route 2881
- Ciufolini M. A. Mitchell J. W. and Roschangar F.**  
Facile palladium-mediated substitution of chlorine in 2-chloroquinolines 8281
- Claßen A.** see Wöhrl I. 7001
- Clader J. W.** see Shankar B. B. 4095
- Claeys M.** see Cimanga K. 1703
- Claeys M.** see Cimanga K. 3217
- Claffey D. J.** see Hoburg J. O. 3217
- Claffey D. J. and Ruth J. A.**  
Synthetic route to optically-pure metabolites of butadiene, and their chiral GC separation 7929
- Claffey D. J.** see Hoburg J. O. 2533
- Clapés P. Valverde I.**  
Jaime C. and Torres J. L.  
Enzymatic resolution of Z- $\gamma,\gamma'$ -di-*tert*-butyl-D,L-carboxyglutamic acid methyl ester 417
- Clapés P.** see Pera E. 3609
- Clardy J.** see Harrison B. 9151
- Clardy J.** see Lindquist N. 9131
- Claremon D. A.** see Butcher J. W. 6685
- Claridge T. D. W.** see Baldwin J. E. 6919
- Clark A. J. Rooke S.**  
Sparey T. J. and Taylor P. C.  
Synthesis of styryl tetrahydrofurans and tetrahydropyrans via addition of radicals to unsaturated sulfimides 909
- Clark J. E.** see Gala D. 611
- Clark J. S. Dossetter A. G. and Whittingham W. G.**  
Stereoselective synthesis of the bicyclic core structure of the highly oxidised sesquiterpene neoliacinic acid 5605
- Clark S. L.** see Singh P. R. 4117
- Clarke C. F.** see Shepherd J. A. 2395
- Clarkson I. M.** see Batsanov A. S. 2491
- Clayden J. Westlund N. and Wilson F. X.**  
Asymmetric induction using atropisomers: diastereoselective additions to 2-acyl-1-naphthamides 5577
- Cleary G.** see Hill D. R. 787
- Cleannan E. L. Chen M.-F. and Xu G.**  
New potent trapping agents for the peroxidic intermediates formed in the reactions of singlet oxygen 2911
- Cleannan E. L. and Greer A.**  
Steric and electronic effects on the partitioning of a persulfanyl intermediate along the physical quenching and chemical reaction channels 6093
- Clerici A. Clerici L. and Porta O.**
- A highly *d,l*-stereoselective pinacolization of aromatic aldehydes mediated by titanium trichloride in dichloromethane** 3035
- Clerici L.** see Clerici A. 3035
- Clothier M. F.** see Lee B. H. 6053
- Cobb J.** see Gerohanassis I. P. 3191
- Cochran J. E. Wu T. and Padwa A.**  
Synthesis of polysubstituted anilines using the Diels–Alder reaction of methyl 5-amino-furoate 2903
- Codd G. A.** see Kaya K. 6725
- Cody W. L.** see Kent D. R. 8711
- Coe J. W. Vetelino M. G. and Bradlee M. J.**  
Convenient preparation of *N*-substituted indoles by modified Leimgruber–Batcho indole synthesis 6045
- Coetzee P. S.** see Hooper G. J. 7135
- Cohen S.** see Gross Z. 7325
- Cokley T. M. Marshall R. L. McCluskey A. and Young D. J.**  
The solvent promoted addition of tetraallyltin to aldehydes: a convenient and chemoselective allylation procedure 1905
- Cole D. L.** see Krotz A. H. 1999
- Cole D. L.** see Ravikumar V. T. 6643
- Collado M. I. Sotomayor N. Villa M.-J. and Lete E.**  
Parham-type cyclization and nucleophilic addition—*N*-acyliminium ion cyclization sequences for the construction of the isoquinoline nucleus 6193
- Collet H. Bied C. Mion L. Taillades J. and Commeyras A.**  
A new simple and quantitative synthesis of  $\alpha$ -aminoacid-*N*-carboxyanhydrides (oxazolidines-2,5-dione) 9043
- Collignon N.** see Al-Badri H. 2951
- Collignon N.** see Jubault P. 3679
- Collin J.-P.** see Chodorowski-Kimmes S. 2963
- Collington E. W.** see Page P. C. B. 2515
- Collins A. N.** see Bloodworth A. J. 1885
- Collot V.** see Moutou J.-L. 1787
- Colmenares L. U.** see Simmons C. J. 4103
- Colombo G.** see Bernardi A. 8921
- Colonna S.** see Alphand V. 6117
- Comina P. J.** see Hodgson D. M. 5613

- Comins D. L., Chen X. and Joseph S. P.**  
Synthesis of 2,4-disubstituted *N*-acyl-5,6-dihydro-2-pyridones 9275
- Comins D. L., Joseph S. P. and Zhang Y.**  
Regio- and stereoselective intramolecular Heck reactions of *N*-acyl-2,3-dihydro-4-pyridones 793
- Comins D. L. and Guerra-Weltzien L.**  
Asymmetric addition of Grignard reagents to chiral 1-acylpyridinium salts: a chiral auxiliary study 3807
- Commerçon A.** see Bourzat J.-D. 6327
- Commeyras A.** see Collet H. 9043
- Comte G., Allais D. P., Chulia A. J., Vercauteren J. and Bosso C.**  
Phoeniceroside, the first natural bis-furanone propane derivative from *Juniperus phoenicea* L. 2955
- Condom R.** see Farèse A. 1413
- Connan J.** see Herrmann D. 1791
- Connan J.** see Lemoine S. 2837
- Connolly T. J., Baldoví M. V., Mohtat N. and Scaiano J. C.**  
Photochemical synthesis of TEMPO-capped initiators for 'living' free radical polymerization 4919
- Consoli G. M. L.** see Cunsolo F. 715
- Conte V., Di Furia F. and Moro S.**  
Synthesis of brominated compounds. A convenient molybdenum-catalyzed procedure inspired by the mode of action of haloperoxidases 8609
- Contino C., Ollier M., Maurizis J. C., Lacombe J. M. and Pucci B.**  
Synthesis of cotelomers derived from tris(hydroxymethyl)acrylamidomethane (THAM) bearing cytosine arabinoside moieties. Preliminary investigation of their biological activity 9049
- Contreras J.** see De Kimpe N. 3171
- Coogan M. P. and Knight D. W.**  
Intramolecular cyclisations of hydroxylamines derived from limonene: reverse-Cope or acid-catalysed reactions? 6417
- Coogan M. P.** see Atkinson R. S. 5179
- Cook G. R.** see Trost B. M. 7485
- Cook J. H.** see Xiao D. 1523
- Cook J. M.** see Gan T. 5033
- Cook J. M. see**  
Van Ornum S. G. 7185
- Cook P. D.** see An H. 7233
- Cook P. D.** see Manoharan M. 7675
- Cook S. D. and Sutherland J. D.**  
Studies on the reactivity of bisglycoaldehyde phosphodiester in alkaline solution 5779
- Cooke D. A.** see Belt S. T. 4755
- Cooper A. B.** see Jao E. 5661
- Cooper M. A. and Ward A. D.**  
Corrigendum 4827
- Cooper M. M., Lovell J. M. and Joule J. A.**  
Indole-β-nucleophilic substitution—IX. Nitrogen nucleophiles: syntheses of hydroxycryptolepine, cryptolepine and quindoline 4283
- Corbin F.** see Alayrac C. 4507
- Cordero F. M.** see Machetti F. 4205
- Cordoni A.** see Bellucci G. 9089
- Corey E. J., Daley D. C. and Cheng H.**  
A structural analog of the protosterol cation is not a strong inhibitor of sterol biosynthesis 3287
- Corey E. J., Noe M. C. and Grogan M. J.**  
Experimental test of the [3 + 2]- and [2 + 2]-cycloaddition pathways for the bis-cinchona alkaloid- $\text{OsO}_4$  catalyzed dihydroxylation of olefins by means of  $^{12}\text{C}/^{13}\text{C}$  kinetic isotope effects 4899
- Corey E. J., Noe M. C. and Ting A. Y.**  
Improved enantioselective dihydroxylation of bishomoallylic alcohol derivatives using a mechanistically inspired bis-cinchona alkaloid catalyst 1735
- Corey E. J. and Cheng H.**  
Conversion of a  $\text{C}_{20}$  2,3-oxidosqualene analog to tricyclic structures with a five-membered C-ring by lanosterol synthase. Further evidence for a C-ring expansion step in sterol biosynthesis 2709
- Corey E. J. and Gin D. Y.**  
A convergent enantioselective synthesis of the tetrahydroisoquinoline unit in the spiro ring of ecteinascidin 743. 7163
- Corey E. J. and Helal C. J.**  
Catalytic enantioselective synthesis of the second generation histamine antagonist cetirizine hydrochloride 4837
- Corey E. J. and Helal C. J.**  
Asymmetric synthesis of (*S*)-carbinoxamine. New aspects of oxazaborolidine-catalyzed enantioselective carbonyl reduction 5675
- Corey E. J.** see Noe M. C. 1739
- Corlay H., Fouquet E. and Motherwell W. B.**  
Observations on some  $\text{Pd}^{(0)}$  catalysed intermolecular reaction of electron deficient alkylidene cyclopropanes with olefins: a novel route to highly functionalised skipped diene units 5983
- Correa J. F.** see Paz M. M. 9259
- Corriu R. J. P.** see Chauhan M. 845
- Corry R. M., McPhail C. L., Dikmans A. J. and Vittal J. J.**  
Macrocyclic cyclophane belts via double Diels–Alder cycloadditions: macroannulation of bisdienes by bisdienophiles. Synthesis of a key precursor to an [8]cyclacene 1983
- Cory R. M. and McPhail C. L.**  
Transformations of a macrocyclic cyclophane belt into advanced [8]cyclacene and [8]cyclacene triquinone precursors 1987
- Cossío F. P.** see Arrastia I. 245
- Cossío F. P.** see Arrastia I. 7143
- Cossío F. P.** see Ayerbe M. 3055
- Cossy J., Cases M. and Gomez Pardo D.**  
An easy access to substituted aminopyranones from L-pyroglutamic acid 8173
- Cossy J., Poitevin C., Sallé L. and Gomez Pardo D.**  
The thermal rearrangement of *N*-alkyl-*N*-vinylpropargylamines into 2-methylpyrroles. A new synthesis of annulated[b]pyrroles 6709
- Cossy J. and BouzBouz S.**  
A short access to (+)-ptilocaulin 5091
- Coste J.** see Galéotti N. 3997
- Coste-Manière I.** see Chauvet F. 3695
- Costello C. A., Kreuzman A. J. and Zmijewski M. J.**  
Selective deprotection of phthalyl protected amines 7469
- Cotrait M.** see Henze B. 5499
- Coudret J. L., Zöllner S., Ravoo B. J., Malaria L., Hanisch C., Dörre K., de Meijere A. and Waegell B.**  
Role of cyclopropanes as activating groups during

- oxidation reactions with RuO<sub>4</sub> generated *in situ* 2425
- Coull J. M.** see Polushin N. N. 3227
- Coulston K. J.** see Brown R. F. C. 6819
- Court J. J. and Hlasta D. J.** *ortho* Versus adjacent-benzylic directed lithiations of substituted *N,N*-diethyl-benzamides 1335
- Cousseau J.** see Leriche P. 5115
- Cousson A.** see Martin A. 7735
- Coutrot P.** Grison C. and Lecouvey M. Preparation of the phosphonic acid analogue of 3-deoxy-D-manno-2-octulosonic acid (KDO) 1595
- Couture A.** Deniau E. Grandclaudon P. and Lebrun S. Dramatically different photochemical behaviour of 1-aryl-2-methylene piperidine and pyrrolidine derivatives. An expeditious synthesis of ruspolinone 7749
- Couture A.** Deniau E. Woisel P. Grandclaudon P. and Carpentier J. F. Base-induced cyclization of trimethoxy-o-aryldiphenylphosphoryl methylbenzamide: a formal synthesis of ( $\pm$ ) cherylline and ( $\pm$ ) cherylline dimethylether 3697
- Couturier D.** see Rigo B. 485
- Couty F.** see Agami C. 4001
- Coval S. J.** see Phife D. W. 5227
- Cowan D. O.** see D'Arcangelis S. T. 2931
- Coward J. K.** see Chen S. 4335
- Cowell J. K.** see Booker-Milburn K. I. 2177
- Cowen S. D.** see Grieco P. A. 2699
- Cox D. C.** see Liu A. 3785
- Cozzi P. G.** Di Simone B. and Umani-Ronchi A. Highly diastereoselective addition of silyl enolates to chiral imines derived from (S)-valine methyl ester using lanthanide triflate 1691
- Cozzi P. G.** Papa A. and Umani-Ronchi A. Enantioselective addition of Et<sub>2</sub>Zn to aldehydes promoted by a chiral Schiff base metal complex 4613
- Craig D.** Ford M. J. and Stones J. A. Formation of medium-ring diolides via intramolecular Diels-Alder reactions of dicarboxylic ester-tethered trienes 535
- Craig D. C.** see Black D. StC. 241
- Creary X.** Jiang Z. Butchko M. and McLean K. Silyl-substituted cyclopropyl carbeneoids 579
- Cressman E. N. K.** see Keck G. E. 3291
- Crévy C.** see Legoupy S. 1225
- Crews P.** see Abrell L. M. 2331
- Crews P.** see Abrell L. M. 8983
- Crews P.** see Harrison B. 9151
- Crews P.** see Sperry S. 2389
- Crews P.** see Wang G.-Y.-S. 8145
- Crich D.** Hwang J.-T. and Liu H. Optimizing the 5-*exo*/6-*endo* ratio of vinyl radical cyclizations through catalysis with diphenyl diselenide 3105
- Crimmins M. T.** see Zawacki F. J. 6499
- Crimmins M. T.** Huang S. and Guise-Zawacki L. E. Radical fragmentation of cyclobutanes: an approach to medium ring fused carbocycles 6519
- Crimmins M. T.** Wang Z. and McKerlie L. A. Rearrangement of cyclobutyl carbinyl radicals: total synthesis of the spirovetivane phytalexin ( $\pm$ )-lubiminol 8703
- Crimmins M. T.** and Rafferty S. W. Regioselective and stereoselective reductive cleavage of 1,7-dioxaspiro-[5.5]undecane alcohols 5649
- Critch D. J.** and Pattenden G. Synthetic studies towards pateamine, a novel thiazole-based 19-membered bis-lactone from *Mycale* sp. 9107
- Crombie L.** Darwish B.
- Jones R. C. F.** Toplis D. and Begley M. J. Reactions between (E)-5,5'-dimesitylbifuranylidenedione and the Horner-Wittig reagent 9255
- Crook S.** see Blériot Y. 7155
- Crook S.** see Shilcock J. P. 8569
- Crooks P. A.** see Deo N. M. 1137
- Crosby J.** see Maddrell S. J. 6001
- Crossley M. J.** Try A. C. and Walton R. Synthesis of accurate distance models of the primary donor-primary acceptor pair of bacterial photosynthetic reaction centres 6807
- Crotti P.** Di Bussolo V. Favero L. Macchia F. and Pineschi M. A novel effective transition metal based salt-catalyzed azidolysis of 1,2-epoxides 1675
- Crouch R.** see Spaltenstein A. 1343
- Crowe W. E.** Goldberg D. R. and Zhang Z. J. Preparation of allylsilanes via cross-metathesis 2117
- Crowley P. J.** Howarth J. A. Owton W. M. Percy J. M. and Stansfield K. A practical, versatile difluorovinylcopper reagent 5975
- Crowley P. J.** Percy J. M. and Stansfield K. On the preparation and unusual reactivity of a potential difluorodienophile 8233
- Crowley P. J.** Percy J. M. and Stansfield K. Synthesis and reactivity of a fluorinated dienophile 8237
- Crozet M. P.** see Vanelle P. 3323
- Crump R. A. N. C.** see Pelter A. 1273
- Csáky A. G.** see Alvarez-Ibarra C. 6573
- Cseri T.** Békássy S. Bódás Z. Ágai B. and Fígueras F. Acetylation of B15C5 crown ether on Cu modified clay catalysts 1473
- Cueto S.** see Vega J. A. 6413
- Cui C.** see Pitchumani K. 6251
- Culshaw A. J.** see Baldwin J. E. 6919
- Cumming J. N.** see Posner G. H. 815
- Cumming J. N.** see Posner G. H. 7225
- Cunico R. F.** Synthesis of triisopropyl  $\alpha$ -(trimethylsiloxy)propargyl stannanes 437
- Cunsolo F.** Consoli G. M. L. Piattelli M. and Neri P. Double-two-point and four-point intramolecular bridging of *p*-tert-butylcalix[8]arene 715
- Curci R.** D'Accolti L. Dinoi A. Fusco C. and Rosa A. Selective oxidation of O-isopropylidene derivatives of diols to 2-hydroxy ketones employing dioxiranes 115
- Curci R.** Dinoi A. Fusco C. and Lillo M. A. On the triggering of free radical reactivity of dimethyldioxirane 249
- Curini M.** see Cabri W. 4785
- Curran D. P.** see Chatgilialoglu C. 6383
- Curran D. P.** see Chatgilialoglu C. 6387
- Curran D. P.** see Chatgilialoglu C. 6391

- Curran D. P.** see Thayumanavan S. 2899
- Curran T. P., Chandler N. M., Kennedy R. J. and Keaney M. T.**  
*N*- $\alpha$ -benzoyl-*cis*-4-amino-L-proline: a  $\gamma$ -turn mimetic 1933
- Curran T. P.** see Herrick R. S. 5289
- Curte C.** see Mishra A. K. 7515
- Curtis J. M.** see Hu T. 7671
- Cusack K. P.** see Linderman R. J. 6649
- Cutrona K. J. and Sanderson P. E. J.**  
 The synthesis of thrombin inhibitor L-370,518 via an  $\alpha$ -hydroxy- $\beta$ -lactam 5045
- Czernecki S., Ayadi E. and Xie J.**  
 Stereocontrolled synthesis of 2-amino-2-deoxy- $\alpha$ -D-C-glycopyranosides by radical cyclization reactions 9193
- Czernecki S., Franco S., Horns S. and Valéry J.-M.**  
 Studies directed towards the synthesis of miharamycin B 4003
- Czernecki S., Hoang A. and Valéry J.-M.**  
 A novel 2'-deoxynucleoside designed for enhanced recognition of A.T. base-pairs 8857
- Dabdoub M. J., Cassol T. M. and Barbosa S. L.**  
 Synthesis of ketene butyltelluro(phenylseleno)acetals by the Al/Te exchange reaction 831
- Dabdoub M. J., Cassol T. M. and Batista A. C. F.**  
 Regiospecific hydroselemination of terminal acetylenes using aluminum phenylselenolate anions 9005
- Dabdoub M. J.** see Silveira C. C. 9173
- D'Accolti L.** see Curci R. 115
- D'Achille R.** see Righi G. 6893
- da Fonseca M<sup>a</sup> O. C. F.** see Urones J. G. 1659
- Dahanukar V. H.** see Rychnovsky S. D. 339
- Dahl O.** see Kehler J. 8041
- Dahuron N.** see Langlois N. 3993
- Dai J.-P., Sodeoka M. and Shibasaki M.**  
 Determination of the C-7, 9, 12, 13, 17 and 18 stereochemistries of tautomycetin. Synthesis of the tautomycetin degradation product 491
- Dai L.-X.** see Wang D.-K. 4187
- Dai W.-C.** see Lee A. S.-Y. 495
- Dai W.-M., Zhu H. J. and Hao X.-J.**  
 Chiral ligands derived from *Abrine*—III. Asymmetric Pictet-Spengler reaction of *Abrine* methyl ester and synthesis of chiral 1,2,3,4-tetrahydro- $\beta$ -carbolines as promoters in addition of diethylzinc toward aromatic aldehydes 5971
- Dai W.-M. and Fong K. C.**  
 First synthesis of *cis*-enediynes from 1,5-diynes by an acid-mediated allylic rearrangement 8413
- Dailey W. P.** see Golobish T. D. 3239
- Dainty R. F.** see Harrowen D. C. 3607
- Dainty R. F.** see Harrowen D. C. 7659
- Dakova B.** see Largeron M. 7499
- Daley D. C.** see Corey E. J. 3287
- Dalla V. and Pale P.**  
 Chemistry of 3,4-epoxy-2-methylene oxolanes: highly diastereoselective electrophilic additions 2777
- Dalla V. and Pale P.**  
 Chemistry of 3,4-epoxy-2-methylene oxolanes: a new synthesis of furanes and dihydrofuranes 2781
- Dalleu S.** see Farèse A. 1413
- Dall'Oglio E. L.** see Rezende M. C. 5265
- Daloze D.** see Klein D. 7519
- Daluge S. M.** see Andersen M. W. 8147
- Dambrin V., Villiéras M., Moreau C., Amri H., Toupet L. and Villiéras J.**  
 Copper(I) mediated highly diastereoselective conjugate addition of Grignard reagents to 2-silyloxycyclopentenecarbonylates 6323
- Damm W.** see Roth M. 351
- Danelon G. O., Mata E. G. and Mascaretti O. A.**  
 Novel synthesis of 6,6-dibromo-2'-Z-chloromethyl and 2'-Z-bromomethyl anhydropenicillins from 6,6-dibromo 2 $\beta$ -(chloromethyl) and 2 $\beta$ -(bromomethyl)-2 $\alpha$ -methyl-penam-3 $\alpha$ -carboxylic acid via anhydropenicillin rearrangement 4431
- Dang T.** see Okuro K. 2713
- Danielli B.** see Appendino G. 7837
- Danion D.** see Denniel V. 5111
- Danion-Bougot R.** see Denniel V. 5111
- Danks T. N.** see Ackland M. J. 691
- Dannaldson J.** see Kim W. 5337
- Dannaldson J.** see Kim W. 6425
- D'Annibale A., Pesce A., Resta S. and Trogolo C.**  
 Reaction of 2,2,6-trimethyl-4H-1,3-dioxin-4-one with imines: an easy route to enamides 7429
- Dantale S. W.** see Chavan S. P. 233
- Dantale S. W.** see Chavan S. P. 237
- Dantale S. W.** see Chavan S. P. 2629
- D'Arcangelis S. T. and Cowan D. O.**  
 2-(1,3-Benzodithiol-2-ylidene)-1,3-benzoxathiole (dibenzo-oxatrichiafulvalene, DBOTTF): the first tetraheterofulvalene containing oxygen 2931
- Dardashti L. J.** see Bennani Y. L. 8109
- Dare S., Ducroix B., Bernard S. and Nicholas K. M.**  
 Chemo-, regio- and stereo-selective addition of nitrile oxides to cobalt-coordinated 1,3-enynes 4341
- Darkin-Rattray S. J.** see Singh S. B. 8077
- Darlak K.** see Spatola A. F. 591
- Darlington W. H.** see Romero A. G. 2361
- Darses S., Jeffery T., Genet J.-P., Brayer J.-L. and Demoute J.-P.**  
 Cross-coupling of arenediazonium tetrafluoroborates with arylboronic acids catalysed by palladium 3857
- Dart M. J.** see Evans D. A. 1957
- Darwish A. D.** see Benito A. M. 1085
- Darwish B.** see Crombie L. 9255
- Das A. R.** see Ranu B. C. 1109
- Das D.** see Sengupta S. 8815
- Das P.** see Pandey G. 3175
- Das P. R.** see Chu M. 3943
- Das S., Pal A. and Mukherjee D.**  
 A stereocontrolled total synthesis of ( $\pm$ )- $\Delta^2$ -cedrene 4421
- Das S. K.** see Sarkar T. K. 6607
- Das S. K.** see Sarkar T. K. 8627
- DasMahapatra B.** see Chu M. 3943
- DasMahapatra B.** see Chu M. 7229
- Dat Y.** see Lefèvre V. 7017
- Dat Y.** see Systermans A. 3317
- Datta R.** see Bhattacharjee M. 3579
- DattaGupta A. and Singh V. K.**  
 Catalytic enantioselective allylic oxidation of olefins with copper complexes of chiral nonracemic bis(oxazolinyl)pyridine type ligands 2633
- DattaGupta A.** see Sekar G. 8435
- Daube M.** see Baeschlin D. K. 1591

- Daubié C. and Mutti S.**  
Expedient enantiospecific synthesis of RP 73613: a new selective nonpeptide NK1 antagonist 7743
- Daubié C.** see Mutti S. 3125
- Daubié C.** see Mutti S. 8743
- Dauvin J.** see Calmes M. 379
- D'Auria M. and Mauriello G.**  
Photochemical dichloromethylation of methylarenes 8217
- Dauvergne J.** see Magnin G. C. 7833
- Dave R. H.** see Hosangadi B. D. 6375
- Davenport K. G.** see Zhao S.-H. 2725
- David D. M. O'Meara G. W. and Pyne S. G.**  
Palladium catalysed rearrangement of allylic sulfoximines: synthesis of  $\gamma$ -amino  $\alpha,\beta$ -unsaturated ketones and esters 5417
- David K. Ariente C.**  
**Greiner A. Goré J. and Cazes B.**  
Catalytic osmylation of allenic compounds. Synthesis of  $\alpha$ -hydroxyketo amino acid precursors 3335
- David K. Greiner A. Goré J. and Cazes B.**  
Oxidation of functional olefines: synthesis of protected amino acids bearing a terminal  $\alpha$ -hydroxyketo group 3333
- Davies D. H.** see Charoenying P. 1913
- Davies D. H.** see Graham A. E. 7445
- Davies D. R.** see Dussault P. H. 463
- Davies G. M. Hitchcock P. B. Loakes D. and Young D. W.**  
Synthesis of reactive  $\gamma$ -lactams related to penicillins and cephalosporins 5601
- Davies H. M. L. Bruzinski P. R. and Fall M. J.**  
Effect of diazoalkane structure on the stereoselectivity of rhodium(II)(*S*)-N-(arylsulfonyl)proline catalyzed cyclopropanations 4133
- Davies H. M. L. and Doan B. D.**  
Asymmetric synthesis of the tremulane skeleton by a tandem cyclopropanation/Cope rearrangement 3967
- Davies I. W. Senanayake C. H. Larsen R. D. Verhoeven T. R. and Reider P. J.**  
Application of a Ritter-type reaction to the synthesis of chiral indane-derived  $C_2$ -symmetric bis(oxazolines) 813
- Davies I. W. Senanayake C. H. Larsen R. D. Verhoeven T. R. and**
- Reider P. J.**  
Application of indane-derived  $C_2$ -symmetric bis(oxazolines) in two-point binding asymmetric Diels-Alder reactions 1725
- Davies M. R.** see Bell D. 3895
- Davies-Coleman M. T.** see Hooper G. J. 7135
- Dávila A. Ramezanian M. S. Fronczek F. R. and McLaughlin M. L.**  
3 + 2 Cycloaddition via a Diels-Alder/retro-Diels-Alder sequence: tandem cyclopentadienyl annulation of a 1,5-cyclooctadiyne synthetic equivalent 2517
- Dávila R. M.** see Sessler J. L. 6469
- Davis A. P. Muir J. E. and Plunkett S. J.**  
Supersilylating agents from chlorosilanes 9401
- Davis B. Bell A. A. Nash R. J. Watson A. A. Griffiths R. C. Jones M. G. Smith C. and Fleet G. W. J.**  
L-(+)-Swainsonine and other pyrrolidine inhibitors of naringinase: through an enzymic looking glass from D-mannosidase to L-rhamnosidase? 8565
- Davis B.** see Shilvock J. P. 8569
- Davis C. R. and Burton D. J.**  
Stereoselective preparation of (Z)- $\alpha,\beta$ -difluorostyrenes 7237
- Davis F. A. Boyd R. Zhou P. Abdul-Malik N. F. and Carroll P. J.**  
(+)-trans-Camphenesulfonamide: a novel enantiomerically pure primary sulfonamide 3267
- Davis F. A. Liu H. and Reddy G. V.**  
2-Methyl *N*-(*p*-toluenesulfonyl)-aziridine-2-carboxylic acid: asymmetric synthesis of  $\alpha$ -methylphenylalanine and  $\alpha$ -methyl- $\beta$ -phenylserine 5473
- Davis F. A. and Qi H.**  
Asymmetric synthesis of 2-deoxy-2-fluoro- $\gamma$ -aldono-lactones and their conversion to 2-deoxy-2-fluropentoses 4345
- Davis F. A. and Reddy G. V.**  
Aziridine-2-carboxylic acid mediated asymmetric synthesis of D-*erythro*- and L-*threo*-sphingosine from a common precursor 4349
- Davis, Jr J. H. and Madura J. D.**  
Synthesis and computational evaluation of a boronium ion analogue of the tropane ring system 2729
- Dayan S.** see Rozen S. 531
- De A.** see Bhatia B. 7311
- De S. K.** see Dhara M. G. 8001
- de Alba E.** see Aceña J. L. 3043
- De Angelis F.** see Bonadies F. 7129
- Deans R. and Rotello V. M.**  
Model systems for flavoenzyme activity. 2-Aminopyridines as spectroscopic models for flavoenzyme active sites 4435
- Debenham J. S.** see Rodebaugh R. 5477
- Debitus C.** see Bourguet-Kondracki M.-L. 3861
- Débitus C.** see Fretté X. C. 2959
- De Bruyne T.** see Cimanga K. 1703
- De Bruyne T.** see Cimanga K. 3217
- Decalogne F.** see Mutti S. 3125
- De Cian A.** see Hajek F. 1401
- De Cian A.** see Hosseini M. W. 1405
- De Clercq P.** see Chen Y.-J. 9361
- De Clercq P. J.** see Wang J. 3395
- Decroix B.** see Pigeon P. 7707
- DeFord J. Chu F. and Anstyn E. V.**  
Dimerization constants for phosphoric acid diesters 1925
- Defrère L.** see Krief A. 2667
- Defrère L.** see Krief A. 8011
- Defrère L.** see Krief A. 8015
- de Frutos Ó. and Echavarren A. M.**  
Syntheses of fenanthroviridone, givocarcin BE-12406X<sub>2</sub>, and antibiotic WS 5995B based on the palladium and copper catalyzed coupling of organostannanes with bromoquinones 8953
- Degl'Innocenti A.** see Mordini A. 5209
- Degl'Innocenti A.** see Reginato G. 1325
- DeGrado W. F.** see Rabanal F. 1347
- DeGrado W. F.** see Suich D. J. 6653
- de Groot A.** see Griepink F. C. 411
- de Groot D.** see Bakkeren F. J. A. D. 8003
- Deguchi D.** see Taniguchi Y. 3465
- Deguchi N.** see Shiozaki M. 3875
- DeHaan J. M.** see Rood G. A. 157
- Dehmlow E. V. and Heiligenstadt N.**  
Dimethyldioxirane oxidations of some cyclopropanes 5363
- Deicke P.** see Klar U. 4141
- Dejikhangsar T. D.** see Yu D. W. 8845

- Dekhane M. Douglas K. T. and Gilbert P.**  
A novel convenient route to the naturally occurring 3-oxoacyl-L-homoserinelactones and related bacterial autoinducers 1883
- De Kimpe N. Boelens M. and Contreras J.**  
Rearrangement of 5-(bromomethyl)-1-pyrrolinium salts into functionalized piperidines 3171
- De Kimpe N. see Kulinkovich O.** 1095
- de Koning C. B. see Michael J. P.** 9403
- de la Cruz P. Díez-Barra E. Loupy A. and Langa F.**  
Silica gel catalysed Knoevenagel condensation in dry media under microwave irradiation 1113
- Delaigue X. see Hajek F.** 1401
- Delalogue F. see Muller B.** 3313
- Delanghe N. C. see Barton D. H. R.** 1555
- Delanghe N. C. see Barton D. H. R.** 8137
- Delarge J. see Masereel B.** 7253
- de las Heras M. A. see Eames J.** 1117
- de las Heras M. A. see Eames J.** 4077
- de las Heras M. A. see Eames J.** 4581
- Delgado M. see Alvarez E.** 2865
- Delisser V. M. see Hale K. J.** 9345
- Dell A. see Wong-Lun-Sang S.** 3329
- Della E. W. and Knill A. M.**  
Synthesis of heterocycles. Construction of the 1-azabicyclo[2.2.1]heptyl system by sequential ring-closure of acyclic  $\beta$ -ammonio substituted radicals 5805
- Della E. W. see Banks J. T.** 8059
- del Mar Lleó M. see Farràs J.** 901
- deLong M. A. see Wender P. A.** 7687
- de los Santos J. M. see Palacios F.** 1289
- Deloux L. and Srebnik M.**  
A highly stereocontrolled formal synthesis of *rac*-chokols A and G from a common *gem*-borazirconocene intermediate 2735
- Delpech B. Calvo D. and Lett R.**  
Total synthesis of forskolin—I 1015
- Delpech B. Calvo D. and Lett R.**  
Total synthesis of forskolin—II 1019
- Delpech B. see Calvo D.** 1023
- de Lucas A. I. Martín N. Sánchez L. and Seoane C.**  
The first dumbbell-type  $C_{60}$  dimer connected by a double donor spacer 9391
- Demally G. see Glaçon V.** 3683
- de Meijere A. see Couret J. L.** 2425
- De Mesmaeker A. see Wendeborn S.** 5511
- Demirç S. see Demir A. S.** 407
- De Mico A. Margarita R. Mariani A. and Piancatelli G.**  
Radical additions to olefins in the presence of iodobenzene-diacetate: an easy route to alkyl dithiocyanates 1889
- Demir A. S. Tanyeli C. Sesenoglu Ö. Demirç S. and Evin Ö.**  
A simple synthesis of 1-aminophosphonic acids from 1-hydroxyiminophosphonates with  $NaBH_4$  in the presence of transition metal compounds 407
- Demonceau A. Lemoine C. A. and Noels A. F.**  
Osmium-catalysed cyclopropanation of olefins 1025
- Demoulin V. see Klein D.** 7519
- Demoute J.-P. see Darses S.** 3857
- De Napoli L. see Adinolfi M.** 5007
- Dence C. S. see Mishani E.** 319
- Deng J. Hamada Y. and Shioiri T.**  
A new synthesis of cyclotheonamide B via guanidination of ornithine 2261
- Deng N. see Garcia M. E.** 8313
- den Hartog J. A. J. see van Maarseveen J. H.** 8249
- den Hartog M. see Muller B.** 3313
- Deniau E. see Couture A.** 3697
- Deniau E. see Couture A.** 7749
- Deniaud D. see Negrioli J.** 5365
- Denieul M.-P. Quiclet-Sire B. and Zard S. Z.**  
A synthetically useful source of propargyl radicals 5495
- Denis C. Laignel B. Plusquellec D. Le Marouille J.-Y. and Botrel A.**  
Highly regio- and stereo-selective reductions of carbonyl compounds in aqueous glycosidic media 53
- Denisenko M. V. Pokhilo N. D. Odinokova L. E. Denisenko V. A. and Uvarova N. I.**  
Ruthenium tetroxide oxidation of  $3\beta$ -acetoxy-28-hydroxy-18-lupene to tricyclic products 5187
- Denisenko V. A. see Denisenko M. V.** 5187
- Denk M. K. Gupta S. and Ramachandran R.**  
Aromatic phosphonium cations 9025
- Denniel V. Bauchat P. Danion D. and Danion-Bougot R.**  
Hydroboration of vinylglycine and allylglycine as a route to boron-derivatives of  $\alpha$ -amino acids 5111
- Dent, III W. H. see Fields S. C.** 1967
- Deo N. M. and Crooks P. A.**  
Regioselective alkylation of *N*-(diphenylmethylidine)-3-(aminomethyl)pyridine: a simple route to minor tobacco alkaloids and related compounds 1137
- de Oliveira C. M. A. Porto A. M. Bittrich V. Vencato I. and Marsaioli A. J.**  
Floral resins of *Clusia* spp.: chemical composition and biological function 6427
- de Oliveira Filho A. P. Moreira B. G. Moran P. J. S. and Rodrigues J. A. R.**  
Oxidations with acyl nitrates: a simple and rapid method for preparing quinones, ketones and aldehydes 5029
- de Pascual-Teresa B. and Houk K. N.**  
The ionic Diels-Alder reaction of the allyl cation and butadiene: theoretical investigation of the mechanism 1759
- Depezay J.-C. see Campanini L.** 5095
- Depezay J.-C. see McCort I.** 7717
- Depezay J.-C. see Poitout L.** 1609
- Depezay J.-C. see Poitout L.** 1613
- De Riccardis F. see Izzo I.** 4775
- De Ris C. see Barco A.** 7599
- Derkacheva V. M. see Barkanova S. V.** 1637
- De Rosa M. see Soriente A.** 8007
- Desai J. see Jao E.** 5661
- de Sainte Claire V. see Rigby J. H.** 2553
- De Sarlo F. see Machetti F.** 4205
- Desarbre E. and Mérour J.-Y.**  
Palladium heteroannulation process for synthesis of substituted pyrrolo-[2,3-*b*]pyridin-3-ones 43
- Deschênes D. see Charette A. B.** 7925
- Desfossés H. see Spino C.** 6503

- Deshpande V. H.** see Ponde D. 4605
- De Silva A. P.** see Ayadim M. 7039
- Desimoni G., Faita G. and Righetti P. P.**  
The first enantioselective synthesis of both Diels–Alder enantiomers with the same bis(oxazoline)–magnesium perchlorate chiral catalyst 3027
- Deslongchamps G.** see Lonergan D. G. 6109
- Deslongchamps G.** see Mink D. 7035
- Desmaële D.**  
Unexpected alkylation reaction of amines, acids and phenols by alkyl (triphenylphosphoranylidene)acetates 1233
- de Souza R. F.** see Monteiro A. L. 1157
- Desper J.** see Breslow R. 2541
- Desponds O. and Schlosser M.**  
The activation barrier to axial torsion in 2,2'-bis(diphenylphosphino)-biphenyl 47
- Desponds O.** see Mongin F. 2767
- Desvergne J. P.** see Henze B. 5499
- de Tullio P.** see Masereel B. 7253
- Devadher S., Verheyden P., Jaspers H. C. M., Van Binst G. and Tourwé D.**  
The  $\gamma$ -methyl-*E*-olefin as isosteric replacement of the peptide bond 703
- de Vargas E. B. and Cañas A. I.**  
From *N*-*n*-butyl-2,6-dinitro-aniline to a fused heterocyclic *N*-oxide 767
- Devasagayaraj A.** see Kishan Reddy Ch. 4495
- Devasthale P. V.** see Hanessian S. 987
- de Vera J.** see Ravelo J. L. 2869
- Devine P. N., Dolling U.-H., Heid, Jr R. M. and Tschaen D. M.**  
Stereoselective synthesis of 2-aryloxy acids from lactam-derived esters of racemic  $\alpha$ -halo carboxylic acids 2683
- Devlin T.** see Iyer R. P. 1539
- Devlin T.** see Iyer R. P. 1543
- De Vos D. E.** see Sels B. F. 8557
- DeWitt S. H.** see MacDonald A. A. 4815
- Dewynter G.** see Abdaoui M. 5695
- Dhara M. G., De S. K. and Mallik A. K.**  
A facile transformation of *E*-3-benzylideneflavanones to 3-
- ( $\alpha$ -hydroxybenzyl)flavones 8001
- Dhawan S. N.** see Gupta S. C. 8913
- Dhokte U. P.**  
Soundararajan R., Ramachandran P. V. and Brown H. C.  
A general, efficient, convenient synthesis of chiral bis(terphenyl)haloborane reagents, valuable for asymmetric synthesis via organoboranes 8345
- Dhokte U. P. and Brown H. C.**  
Isopinocampheylbromoborane, a new promising reagent for the asymmetric hydroboration of prochiral alkenes 9021
- Dhokte U. P.** see Kulkarni S. V. 1763
- Dhondge V. D.** see Chavan S. P. 2629
- Dhopie V. M.** see Ranganathan S. 5199
- Diaz M. J.** see Soderquist J. A. 2561
- Diaz M. T.** see Alvarez E. 2865
- Diaz N.** see Carretero J. C. 3179
- Diaz-Ortiz A., Prieto P., Loupy A. and Abenham D.**  
A short and efficient synthesis of ketene *O,O*- and *S,S*-acetals under focused microwave irradiation and solvent-free conditions 1695
- Dibble P. W.** see Yu D. W. 8845
- Di Bella M.** see Braghieri D. 7319
- DiBenedetto D. J.** see Gala D. 611
- DiBenedetto D. J.** see Gala D. 8117
- Di Bussolo V.** see Crotti P. 1675
- Di Campi C.** see Bonadies F. 1899
- Dickinson L. C.** see Ionescu D. 1559
- Didelot M.** see Arnould J. C. 4523
- Didierjean C.** see André F. 183
- Didiuk M. T.** see Morken J. P. 3613
- Diederichsen U. and Schmitt H. W.**  
Self-pairing PNA with alternating alanyl/homoalanyl backbone 475
- Dierkes P.** see Sablong R. 4933
- Dieter R. K., Nice L. E. and Velu S. E.**  
Oxidation of  $\alpha,\beta$ -enones and alkenes with oxone and sodium halides: a convenient laboratory preparation of chlorine and bromine 2377
- Dieter R. K.** see Fry D. F. 6227
- Dietrich H.** see Espinosa J.-F. 1467
- Díez D.** see Urones J. G. 1659
- Díez-Barra E.** see de la Cruz P. 1113
- Di Furia F.** see Conte V. 8609
- Di Grandi M. J. and Tilley J. W.**  
The direct preparation of protected hydrazines from alcohols via Mitsunobu chemistry 4327
- Di Grandi M. J. and Tilley J. W.**  
Corrigendum 8261
- Dikmans A. J.** see Cory R. M. 1983
- Dillon J. L.** see Silverberg L. J. 771
- Dillon K.** see Liu A. 3785
- Dimitrov V., Kostova K. and Genov M.**  
Anhydrous cerium(III) chloride—effect of the drying process on activity and efficiency 6787
- Dinaut A. N.** see Taylor S. D. 8089
- Din Belle D.** see Lounasmaa M. 1513
- Ding C. Z.**  
A convenient diastereo-selective synthesis of  $\beta$ -aryl- $\beta$ -aminoalcohols 945
- Ding C. Z. and Miller A. V.**  
Synthesis of 4-(*N*-alkyl-*N*-heteroaryl)amino-3,4-dihydro-3-hydroxy-2,2-dimethyl-2*H*-1-benzopyran-6-carbonitrile derivatives via an unusual 1,4-oxygen to nitrogen heteroaryl migration 4447
- Ding P. Y.** see Zhu X. X. 8549
- Ding Q.** see Kozikowski A. P. 3279
- Ding T.** see Wei Y. 731
- Dinh P. M., Howarth J. A., Hudnott A. R., Williams J. M. J. and Harris W.**  
Catalytic racemisation of alcohols: applications to enzymatic resolution reactions 7623
- Dinh T. Q. and Armstrong R. W.**  
Synthesis of ketones and aldehydes via reactions of Weinreb-type amides on solid support 1161
- Dinoi A.** see Curci R. 115
- Dinoi A.** see Curci R. 249
- Diouf O.** see Masereel B. 7253
- d'Ischia M.**  
Oxygen-dependent nitration of ethyl linoleate with nitric oxide 5773
- d'Ischia M.** see Napolitano A. 4241
- d'Ischia M.** see Napolitano A. 6799
- Di Simone B.** see Cozzi P. G. 1691
- Distefano M. D.** see Gaon I. 8833
- Distefano M. D.** see Turek T. C. 4845

- Dizière R. and Savignac P.**  
A new simple method for the synthesis of 1-alkynylphosphonates using  $(EtO)_2P(O)CCl_3$  as precursor 1783
- Djate F.** see Noé E. 5701
- Djaté F.** see Noé E. 8823
- Doan B. D.** see Davies H. M. L. 3967
- Dobashi A.** see Mimaki Y. 1245
- Dobretsova E. K.** see Samoshin V. V. 3981
- Dogné J. M.** see Masereel B. 7253
- Doherty A. M.** see Kent D. R. 8711
- Doi T. Komatsu H. and Yamamoto K.**  
Diastereoselective hydroformylation of certain protected allylic alcohols 6877
- Dolan S.** see Markó I. E. 2089
- Dolan S.** see Markó I. E. 2507
- Dolbier, Jr W. R. and Rong X. X.**  
The kinetic impact of vinylic fluorine substituents on 5-hexenyl radical cyclizations 5321
- Dolensky B. Kvicala J. Paleta O. Cejka J. and Ondráček J.**  
Preparation of new trifluoromethyl substituted tri- and tetracyclic heterocycles with peganin skeleton from a methyl 3,3,3-trifluoro-pyruvate/2-amino-N-benzylamine adduct 6939
- Dolling U.-H.** see Brands K. M. J. 2919
- Dolling U.-H.** see Devine P. N. 2683
- Dolotova O. V.** see Barkanova S. V. 1637
- Dolphin D.** see Karunaratne V. 603
- Dombrowski A. W.** see Singh S. B. 8077
- Domingo L. R. Arnó M. and Andrés J.**  
The tandem Diels–Alder reaction of dimethyl acetylenedicarboxylate to bicyclopentadiene. A theoretical study of the molecular mechanisms 7573
- Domínguez E.** see Loupy A. 8177
- Domon L. Vogeleisen F. and Uguen D.**  
A convenient preparation of elements of the stereotriade 2773
- Donaldson W. A. and Shang L.**  
Dihydroxylation/glycol cleavage of tricarbonyl(triene)-iron complexes 423
- Donaldson W. A.** see Prahlad V. 9169
- Donati D. Fusi S. and Ponticelli F.**  
Photocycloaddition on 2-methyloxazolo[5,4-*b*]pyridine: a route to the oxazolo[5,4-*b*]azocine system 5783
- Donati D.** see Camerini R. 2467
- Dondoni A. Boscarato A. and Zuurmond H.**  
Synthesis of *C*-disaccharides from *C*-formyl glycosides 7587
- Dong H.** see Kadota S. 7283
- Dong Q.** see Ciufolini M. A. 2881
- Dong Y.** see Busacca C. A. 2935
- Dong Y.** see Busacca C. A. 3947
- Dong Y.** see Ramig K. 443
- Dong Y.** see Van Arnum S. D. 8659
- Donini S.** see Vanelle P. 3323
- Donohoe T. J. Garg R. and Moore P. R.**  
On the dihydroxylation of cyclic allylic alcohols 3407
- Dore T. M.** see Wender P. A. 7687
- Dorgan R. J. J.** see Andrews I. P. 4811
- Doris E.** see Barton D. H. R. 3295
- Dorling E. K.** see Luke R. W. A. 263
- Doroфеева Т.** see Polyak F. 8223
- Dörre K.** see Coudret J. L. 2425
- Dorta R. L. Martín A. Salazar J. A. Suárez E. and Prangé T.**  
Synthesis of dispiroacetals from carbohydrates by intramolecular hydrogen abstractions 6021
- Dossetter A. G.** see Clark J. S. 5605
- Dostál J.** see Marek R. 1655
- Łotowski Z.** see Morzycki J. W. 2079
- Dougherty T. J.** see Kozyrev A. N. 747
- Dougherty T. J.** see Kozyrev A. N. 3781
- Dougherty T. J.** see Kozyrev A. N. 6431
- Douglas K. T.** see Dekhane M. 1883
- Douglas S. P.** see Wang Z.-G. 6985
- Dourtoglou V.** see Mavratzotis M. 5699
- Dow R. L.** see Wright S. W. 6965
- Dowd P.** see Zhang W. 957
- Doyle M. P. Zhou Q.-L. Charnsangavej C. Longoria M. A. McKervey M. A. and Garcia C. F.**  
Chiral catalysts for enantioselective intermolecular cyclopropanation reactions with methyl phenyldiazoacetate. Origin of the solvent effect in reactions catalyzed by homochiral dirhodium(II) prolinates 4129
- Doyle M. P. and Kalinin A. V.**  
Synthesis of pyrrolizidine bases by highly diastereo-selective and regioselective catalytic carbon–hydrogen insertion reactions of chiral pyrrolidinediazoacetamides 1371
- Doyle M. P.** see Buck R. T. 7631
- Doyle T. W.** see Mastalerz H. 8683
- Doyle T. W.** see Mastalerz H. 8687
- Doyon J.** see Paquette L. A. 3299
- Drach J. C.** see Gudmundsson K. S. 2365
- Drach J. C.** see Gudmundsson K. S. 6275
- Dragoli D. R.** see Herrick R. S. 5289
- Draillard K.** see Mishra A. K. 7515
- Dressman B. A. Spangle L. A. and Kaldor S. W.**  
Solid phase synthesis of hydantoins using a carbamate linker and a novel cyclization/ cleavage step 937
- Dressman B. A.** see Kaldor S. W. 7193
- Dronsfield A.** see Brown T. 5413
- Droste J. J.** see Audia J. E. 4121
- Drysdale M. J.** see Buck R. T. 7631
- D'Souza V. T.** see Tian S. 8309
- Du S. Plat D. and Baasov T.**  
A new model for the stereo-selective construction of the Kdo structure through a mechanism similar to that suggested for the enzyme KdoBP synthase 3545
- Dubay W. J.** see Grieco P. A. 8707
- Dubay W. J.** see Henry, Jr K. J. 8289
- Dubois E. P. Neszmélyi A. Lotter H. and Pozsgay V.**  
A serendipitous synthesis of cyclokojibiose 3627
- Dubois J.** see Marder R. 1777
- Dubovitskii S. V.**  
Method for synthesis of 12-*H*-pyrido[1,2-*a*:3,4-*b*]diindoles. Total synthesis of homofascaplysin C 5207
- Dubowchik G. M. and Firestone R. A.**  
A lipophilic polyamino-bolaamphiphile designed to dissipate pH gradients across a bilayer membrane: synthesis and proton transport 6465
- Ducep J.-B.** see Bildstein S. 4941

- Ducep J.-B.** see Bildstein S. 8759
- Duchêne A.** see Thibonnet J. 7507
- Ducroix B.** see Dare S. 4341
- Ducrot P.-H.** Einhorn J. Kerhoas L. Lallemand J.-Y. Milat M.-L. Blein J.-P. Neuman A. and Prange T. *Cercospora beticola* toxins—XI. Isolation and structure of betolinol 0 3121
- Duff M. E.** see Byers J. H. 2743
- Duffy J. L.** see Evans D. A. 1957
- Dufour C.** Iwasa S. Fabré A. and Rawal V. H. Unexpected fragmentations leading to quinanes and hydrindanones mediated by a silyl radical 7867
- Duggan P. J.** see Riggs J. A. 6303
- Duhamel L.** see Godebout V. 7255
- Duhamel L.** see Hiouni A. 5507
- Duhamel L.** see Martin C. 8169
- Dujardin G.** Rossignol S. and Brown E. Chiral enol ethers in carbohydrate chemistry: *de novo* synthesis of protected L-2-deoxy hexoses 4007
- Dujardin G.** see Hayes P. 3687
- Dukesherer D. R.** see Hamper B. C. 3671
- Dukesherer D. R.** see South M. S. 1351
- Dullweber U.** see Meier H. 1191
- Dunigan J. M.** see Audia J. E. 4121
- Dunn V.** see Kocovsky P. 5585
- Dupau P.** Renouard T. and Le Bozec H. Straightforward synthesis of 4-formyl- and 4,4'-diformyl-2,2'-bipyridines: access to new dialkenyl substituted bipyridyl ligands 7503
- Dupont J.** see Monteiro A. L. 1157
- Dupraz A.** Guy P. and Dupuy C. Polyalkylation of primary polyols by 1,4-addition to *tert*-butyl acrylate and acrylonitrile 1237
- Dupuis C.** see Lemaire-Audoire S. 2003
- Dupuy C.** see Dupraz A. 1237
- Duque-Soladana J. P.** see Andrés C. 9085
- Duréault A.** see Campanini L. 5095
- Duréault A.** see McCort I. 7717
- Duret P.** Waechter A.-I. Figadère B. Hocquemiller R. Cavé A. Piérard C. and Pérès M. Assignment of absolute configuration of the  $\alpha,\beta$ -unsaturated  $\gamma$ -methyl-
- lactone of the annonaceous acetogenins by a simple enzymatic method 7043
- Durst T.** see Chauret D. C. 7875
- Dussault P. H.** and Davies D. R. Synthesis of 1,2-dioxanes, 1,2,4-trioxanes, and 1,2,4-trioxepanes via cyclizations of unsaturated hydroperoxy-acetals 463
- Dutta S. C.** see Bordoloi M. 6791
- Dutton C. J.** see Less S. L. 3511
- Dutton C. J.** see Less S. L. 3515
- Dutton C. J.** see Less S. L. 3519
- Dutton P. L.** see Rabanal F. 1347
- Dvorák D.** see Dvoráková H. 1285
- Dvoráková H.** Dvorák D. and Holy A. Coupling of 6-chloropurines with organocuprates derived from Grignard reagents: a convenient route to *sec* and *tert* 6-alkylpurines 1285
- Dyer J.** Keeling S. and Moloney M. G. Functionalised pyrrolidinones by conjugate addition of stabilised enolates and Reformatsky reagents 4573
- Dyer U.** see Adger B. 6399
- Dyker G.** and Grundt P. Annulated ring-systems by domino-Heck-aldol-condensation and domino-Heck-Michael-addition processes 619
- Eames J.** de las Heras M. A. Jones R. V. H. and Warren S. Stereochemically controlled synthesis of 1,8-dioxaspiro[4.5]decanes and 1-oxa-8-thiaspiro[4.5]decanes by phenylsulfanyl migration 4581
- Eames J.** de las Heras M. A. Jones R. V. H. and Warren S. Scope and limitation of the [1,4]SPh shift in the synthesis of allylic alcohols 1117
- Eames J.** de las Heras M. A. and Warren S. Secondary and tertiary alcohols as nucleophiles in the stereospecific synthesis of substituted tetrahydrofurans by cyclisation of 1,3-diols with phenylsulfanyl migration 4077
- Eames J.** Jones R. V. H. and Warren S. Synthesis of cyclic sulfides using phenylthio migration 707
- Eames J.** Jones R. V. H. and Warren S. Efficient alkylsulfanyl (SMe, SEt and SCH<sub>2</sub>Ph) and sulfanyl (SH) migration in the stereospecific synthesis of substituted tetrahydrofurans 4823
- Eames J.** and Warren S. Kinetic and thermodynamic control in the stereospecific synthesis of cyclic ethers via phenylsulfanyl (PhS) migration 3525
- Eastwood F. W.** see Brown R. F. C. 6819
- Easwaran K. R. K.** see Ghosh S. 5769
- Ebert C.** Gardossi L. and Linda P. Control of enzyme hydration in penicillin amidase catalysed synthesis of amide bond 9377
- Echavarren A. M.** see Castaño A. M. 6587
- Echavarren A. M.** see Castaño A. M. 6591
- Echavarren A. M.** see de Frutos O. 8953
- Eckers C.** see New A. P. 3039
- Eckrich R.** see Marchand A. P. 467
- Ede N. J.** Ang K. H. James I. W. and Bray A. M. Incorporation of 2-hydroxy-4-methoxybenzyl protection during peptide synthesis via reductive alkylation on the solid phase 9097
- Edstrom E. D.** Feng X. and Tumkevicius S. Development of methylthiomethyl (MTM) protection for *N*<sup>1</sup> of pyrrolo[2,3-*d*]pyrimidin-2,4-diones 759
- Efimov V. A.** see van der Laan A. C. 7857
- Eggleston D. S.** see Witty D. R. 3067
- Egorov A. M.** see Seelbach K. 1377
- Eguchi S.** see Ohno M. 9211
- Eguchi S.** see Okawa T. 81
- Eguchi T.** see Kishida M. 2061
- Eh M.** see Kalesse M. 1767
- Ehrlich P. P.** and Campbell J. R. Use of the thiomethyl group for activation in the synthesis of 8-hydroxy-1-(spiro-1'-indan)benzazepines 7345
- Eifert J. H.** see Audia J. E. 4121
- Eigendorf G. K.** see Nair V. 8271
- Einhorn J.** see Ducrot P.-H. 3121
- Eiras A.** see Unelius C. R. 1505
- Eisele T.** Toepfer A. Kretzschmar G. and Schmidt R. R. Synthesis of a thio-linked

- analogue of sialyl Lewis X 1389
- Eisenberg S. W. E. Chen C. Wu J. Lebrilla C. and Kurth M. J.**  
Cyclic oligolides via acyl-ketene mediated lactonization: synthesis and characterization 7683
- Eisner T.** see Glisan King A. 2141
- El-Ahi A.-A. S.** see Elmorsy S. S. 2297
- Elandaloussi E. H. Frère P. and Roncali J.**  
Soluble thiénylenevinylene oligomers end-capped with 1,3-dithiole-2-ylidene groups 6121
- El-Faer M. Z.** see Rawdah T. N. 4267
- El Ghannamti S.** see Rigo B. 485
- Elinson M. N.** see Barba F. 5759
- El Kaim L. Guyton S. and Meyer C.**  
New access to fluorinated glycolic acid derivatives from trifluoropyruvamides 375
- El-Khoury M. Wang Q. and Schlosser M.**  
A new generation of 'instant ylids': powder mixtures of phosphonium salts and potassium hydride as storable precursors to Wittig reagents 9047
- Ellena J. F.** see McGarvey G. J. 5465
- Elliot J. M.** see Butcher J. W. 6685
- Elliott A. J. Kotian P. L. Montgomery J. A. and Walsh D. A.**  
Synthesis of pyrrolo[3,2-*d*]pyrimidines (9-deazaguanines) by reductive cyclodeamination reactions 5829
- Elliott A. J. Montgomery J. A. and Walsh D. A.**  
A short, facile synthesis of 2-amino-1,5-dihydro-4*H*-pyrrolo[3,2-*d*]pyrimidin-4-one (9-deazaguanine) 4339
- Ellman J. A.** see Virgilio A. A. 6961
- El Meslouti A.** see Glacon V. 3683
- Elmorsy S. S. El-Ahi A.-A. S. Soliman H. and Amer F. A.**  
Use of reductive properties of iodotrichlorosilane—II. Chemoselective reduction of  $\alpha,\beta$ -unsaturated ketones and nitriles 2297
- Elofsson M. Roy S. Salvador L. A. and Kihlborg J.**  
Building blocks for glycopeptide synthesis: preparation of  $\alpha$ -O-fucosylated Fmoc serine and threonine in one step from L-fucose tetraacetate 7645
- Elson S.** see New A. P. 3039
- Elworthy T. R.** see Smith D. B. 21
- Emori E.** see Sasai H. 5561
- Endoh F.** see Takahashi Y. 1841
- Endová M. Masojídková M. Budešinský M. and Rosenberg I.**  
Synthesis of 1-phosphonoalkylidene and -arylidene derivatives of nucleosides 3497
- Engel P. S.** see Jursic B. S. 6473
- Engelen V.** see van Maarseveen J. H. 8249
- Englebretsen D. R. and Alewood P. F.**  
Boc SPBS of two hydrophobic peptides using a 'solubilising tail' strategy: dodecaalanine and chemotactic protein 10<sup>42</sup>-55 8431
- Engler T. A. Agrios K. Reddy J. P. and Iyengar R.**  
Contrasting reactivity in Lewis acid-promoted reactions of thio- and silyl-allenes with 1,4-benzoquinones 327
- Engler T. A. and Chai W.**  
Synthesis of ( $\pm$ )-lincarin B and eupomatenoids-1 and -12: a general approach to 2-aryl-7-alkoxy-benzofuranoid neolignans 6969
- Enholm E. J. and Jia Z. J.**  
Fragmentation-cyclization reactions of O-stannyli ketals: the synthesis of an angular trquinane skeleton 1177
- Enholm E. J. and Whitley P. E.**  
Tin(IV) enolates from allylic O-stannyli ketals: reactions with alkyl halides and HMPA 559
- Enjalbal C.** see Cavelier F. 5131
- Enomoto S.** see Takahashi C. 655
- Ensley H. E. Mahadevan S. and Mague J.**  
Multiply bridged acetylenic thiacyclophanes 6255
- Ercolani G. and Scipilliti A.**  
Proximity effect induced by hydrogen-bonding association. A detailed kinetic study 101
- Ermolenko M. S.**  
Determination of the absolute stereochemistry of the antifungal antibiotic YM-47522 by the total synthesis of its enantiomer 6711
- Ernet T. and Haufe G.**  
Diels-Alder reactions of vinyl fluorides with 1,3-diphenylisobenzofuran 7251
- Erneux C.** see Fauq A. H. 1917
- Ernst A. Gobbi L. and Vasella A.**
- Orthogonally protected dialkynes** 7959
- Escudero J.** see Barba F. 5759
- Escudier J.-M. Tworkowski I. Bouziani L. and Gorricon L.**  
Synthèse stéréosélective de thymidine substituée en C-5' 4689
- Espinosa J.-F. Dietrich H. Martin-Lomas M. Schmidt R. R. and Jiménez-Barbero J.**  
Conformational flexibility of C-glycosides: experimental evidence of the existence of a *gauche-gauche* conformation around the glycosidic linkage for a lactose analogue 1467
- Espinosa J. F.** see Lorente A. 4417
- Estieu K. Ollivier J. and Salaün J.**  
A new cyclobutane ring contraction: the base-induced rearrangement of an  $\alpha$ -bromocyclobutanecarboxylic ester 623
- Etemad-Moghadam G.** see Mirza-Aghayan M. 3109
- Ethiraj K. S.** see Chavan S. P. 7827
- Eto M. Nishimoto M. Kubota S. Matsuoka T. and Harano K.**  
Retro-ene type fragmentation of allylic dithiolcarbonates 2445
- Evans A. C.** see Mallory F. B. 7173
- Evans D. A. Kozlowski M. C. and Tedrow J. S.**  
Cationic bis(oxazoline) and pyridyl-bis(oxazoline)Cu(II) and Zn(II) Lewis acid catalysts. A comparative study in catalysis of Diels-Alder and aldol reactions 7481
- Evans D. A. Yang M. G. Dart M. J. and Duffy J. L.**  
Double stereodifferentiating aldol reactions of (*E*) and (*Z*) lithium enolates. Model reactions for polypropionate assemblage 1957
- Evans D. A. and Watson P. S.**  
Synthesis of the orienticin C M(2-4) macrocycle utilizing a nucleophilic aromatic substitution strategy 3251
- Evans D. A. C.** see Butler D. N. 2157
- Evans G. R.** see Brown C. 9101
- Evans G. R.** see Brown C. 679
- Evans P. A. and Brandt T. A.**  
Palladium catalyzed cross-coupling acylation approach to the antitumor antibiotic Fredericamycin A 1367
- Evans P. A. and Brandt T. A.**  
Novel haloacetoxylation of 1,4-dimethoxynaphthalenes

- using hypervalent iodine chemistry 6443
- Evans P. A. and Brandt T. A.** Enantioselective allylic substitution using a novel (phosphino-1,3-oxazine)-palladium catalyst 9143
- Evans P. A. and Garber L. T.** Diastereoselective formation of cyclic acetals via an intramolecular fluoride-catalyzed hetero-Michael reaction 2927
- Evershed R. P.** see Mottram H. R. 8593
- Evin O. O.** see Demir A. S. 407
- Evina C. M. and Guillerm G.** Synthesis of uracil polyoxin C from uridine 163
- Ewing M.** see Lane S. J. 1
- Ezquerra J. Lamas C.**
- Pastor A. Alvarez P.**
  - Vaquero J. J. and Prowse W. G.** Use of azalactones in a 'Pictet-Spengler-like' reaction. Stereoselective synthesis of 1,3,4-substituted tetrahydro- $\beta$ -carbolines 5813
- Ezquerra J. Pedregal C.**
- Lamas C. Pastor A.**
  - Alvarez P. and Vaquero J. J.** Conformationally constrained serotonin analogues: stereoselective synthesis of *trans*-3-(2-aminocycloalkyl)indoles by aziridine ring opening 683
- Ezquerra J.** see Vega J. A. 6413
- Faber K.** see Kroutil W. 8379
- Fabré A.** see Dufour C. 7867
- Fairchild C.** see Kant J. 6495
- Faita G.** see Desimoni G. 3027
- Faivre-Chauvet A.** see Mishra A. K. 7515
- Fajgar R. Vítek J. Haas Y. and Pola J.** Observation of secondary 2-butene ozonide in the ozonation of *trans*-2-butene in the gas phase 3391
- Falck J. R.** see Bhatt R. K. 3811
- Falck J. R.** see Heckmann B. 1421
- Falck J. R.** see Heckmann B. 1425
- Falck J. R.** see Lai J.-Y. 7167
- Fall M. J.** see Davies H. M. L. 4133
- Faller J. W. and Liu X.** Efficient chiral poisoning of racemic titanium catalysts for the asymmetric chloral-ene reaction 3449
- Fallis A. G.** see Wong T. 755
- Falvey D. E.** see Srivastava S. 2895
- Fan J.** see Yue X. 8213
- Fan J.-Q.** see Wang L.-X. 1975
- Fan R.** see Howell A. R. 8651
- Fan W.** see Swindell C. S. 3919
- Fan W.** see Swindell C. S. 2321
- Fan Y.-H. and Haseltine J.** Interactive n→σ\* delocalizations that control an aqueous organic equilibrium 9279
- Fanet C.** see Gaudemer A. 2237
- Fanni S. Arnaud-Neu F.**
- McKinney M. A. Schwingschweil M.-J. and Ziat K.** Dramatic effects of *p*-dealkylation on the binding abilities of *p*-*tert*-butylcalix-[6]arenes: new Cs<sup>+</sup> and Sr<sup>2+</sup> selective receptors 7975
- Farèse A. Patino N.**
- Condom R. Dalieu S. and Guedj R.** Liquid phase synthesis of a peptidic nucleic acid dimer 1413
- Farina V. and Hossain M. A.** On the mechanism of cine substitution in the Stille reaction: new evidence for the intermediacy of Pd(0) carbenes 6997
- Farina V.** see Kant J. 6495
- Farina V.** see Ward Y. D. 6993
- Farooqui F.** see Reddy M. P. 8691
- Farooqui F.** see Zhang G. 6243
- Farràs J. del Mar Lleó M.**
- Villarrasa J. Castillón S.**
  - Matheu M. Solans X. and Font-Bardia M.** New bicyclic nucleosides related to 6-azaisocytidine 901
- Farthing C. N. Baldwin J. E.**
- Russell A. T. Schofield C. J. and Spivey A. C.** Syntheses of (*S*)- $\beta$ -pyrazolylalanine and (*S*)-quisqualic acid from a serine-derived aziridine 5225
- Farthing C. N.** see Baldwin J. E. 3761
- Fastrez J.** see Vanwetswinkel S. 2761
- Fattorusso E.** see Cafieri F. 3587
- Faulkner D. J.** see Salomon C. E. 9147
- Faulkner D. J.** see Schmidt E. W. 3951
- Faulkner D. J.** see Schmidt E. W. 6681
- Fauq A. H. Zaidi J. H.**
- Wilcox R. A. Varvel G.**
  - Nahorski S. R.**
  - Kozikowski A. P. and Erneux C.** Synthesis of novel metabolically stable analogues of D-*myo*-inositol 1,4,5-trisphosphate 1917
- Faustino M. A. F.**
- Neves M. G. P. M. S.**
  - Vicente M. G. H.**
  - Silva A. M. S.** and
- Cavaleiro J. A. S.** Diels-Alder reactions of Ni(II)  $\beta$ -vinyl-meso-tetraaryl-porphyrins 3569
- Favero L.** see Crotti P. 1675
- Fearnley S. P.** see Butora G. 8155
- Feasson C.** see Jubault P. 3679
- Feaster J.** see Robinson A. 8321
- Feßner K.** see Paterson I. 8803
- Feducochich S. K.** see Barba F. 5759
- Fehrentz J.-A.** see Gouilleux L. 7031
- Fehrentz J.-A.** see Paris M. 8489
- Fehrentz J.-A.** see Pothion C. 1027
- Feldberg L. and Sasson Y.** Copper catalyzed oxidation of tetralin to 1-(*tert*-butylperoxy)-tetralin by aqueous *tert*-butylhydroperoxide under phase transfer conditions 2063
- Felder E. R.** see Marzinkik A. L. 1003
- Felix D.** see Szymoniak J. 33
- Fell R. T.** see Adam W. 6531
- Feng D. D.** see Liang G.-B. 8961
- Feng D. D.** see Liang G.-B. 6627
- Feng X.** see Edstrom E. D. 759
- Fenical W.** see Kang H. 2369
- Fenical W.** see Köck M. 363
- Fenical W.** see Lindel T. 1327
- Fenoglio I. Nahó G. M.**
- Vander Velde D. G. and Appendino G.** Synthesis of azetidine-type taxanes 3203
- Férezou J.-P.** see Muller B. 3313
- Ferguson G.** see Arnecke R. 1497
- Ferguson G.** see Murphy W. S. 7615
- Ferguson G.** see Pappalardo S. 3907
- Feringa B. L.** see Keller E. 1879
- Fernández J. J.** see Norte M. 2671
- Fernández L.** see Alvaro M. 2873
- Fernández M<sup>a</sup> C.** see Ojea V. 5801
- Fernández R.** see Lassaletta J. M. 5787
- Fernández de la Pradilla R.**
- Manzano P. Priego J.**
  - Viso A. Martínez-Ripoll M. and Rodríguez A.** Stereoselective nucleophilic epoxidation of hydroxy vinyl sulfoxide derivatives 6793
- Fernández de la Pradilla R.** see Marino J. P. 8031
- Fernández-Saiz M.** see Lorente A. 4417

- Ferrara A. and Burton G.**  
Ring expansion of fused cyclo-propylketones. Synthesis of a 12(13→18)-abeo-pregnane 929
- Ferreira A. B. B.** see Warrener R. N. 2161
- Ferreira D.** see Marais C. 5763
- Ferreira F.** see Greck C. 2031
- Ferrer M. Gibert M. Sánchez-Baeza F. and Messeguer A.**  
Easy availability of more concentrated and versatile dimethyldioxirane solutions 3585
- Ferreri C.** see Chatgilialoglu C. 6387
- Ferri F. and Alami M.**  
Expedited stereo and regioselective synthesis of stannylated dienynes: versatile precursors of dienediynes related to neocarzinostatin chromophore 7971
- Ferri F.** see Alami M. 57
- Ferri F.** see Alami M. 2763
- Ferris L. Haigh D. and Moody C. J.**  
New chiral rhodium(II) carboxylates and their use as catalysts in carbeneoid transformations 107
- Ferris L.** see Buck R. T. 7631
- Ferroud D.** see Girard A. 7967
- Ferruti P.** see Bonora G. M. 4761
- Fex T.** see Svensson A. 7649
- Flandanese V. Marchese G. Punzi A. and Ruggieri G.**  
A straightforward synthesis of substituted cyclopentenones 8455
- Field R. A.** see Kartha K. P. R. 5175
- Field R. A.** see Kartha K. P. R. 8807
- Fields S. C. Dent, III W. H. Green, III F. R. and Tromiczak E. G.**  
Bis-esters from maleic anhydrides under neutral conditions: protection of the anhydride of the natural product cornexistin 1967
- Figadère B.** see Duret P. 7043
- Figadère B.** see Franck X. 1593
- Figadère B.** see Gleye C. 9301
- Figadère B.** see Pichon M. 7963
- Figueras F.** see Cseri T. 1473
- Figueras F.** see Fraile J. M. 5995
- Filler R.** see Chen W. 8975
- Finch H.** see Harwood L. M. 4217
- Fink D. M. and Kurys B. E.**  
Preparation of 3-(4-pyridinylamino)-1,2-benzisoxazoles via a nucleophilic aromatic substitution reaction 995
- Finlay M. R. V.** see Paterson I. 8803
- Finner E.** see van Maarseveen J. H. 8249
- Finney F. J. L.** see Bell D. 3895
- Fioravanti S.** see Carducci M. 3777
- Fiorin G. L.** see Silveira C. C. 6085
- Fiorin G. L.** see Silveira C. C. 9173
- Firestone R. A.** see Dubowchik G. M. 6465
- Fischer J.** see Hajek F. 1401
- Fischer J.** see Hosseini M. W. 1405
- Fisher S.** see Brough P. A. 2915
- Fishbaugh J. R.** see Adamczyk M. 4305
- Fishbaugh J. R.** see Adamczyk M. 7171
- Fishwick C. W. G. Foster R. J. and Carr R. E.**  
Hetero-1,3-dipolar cyclo-additions of dithiolane-isocyanate iminium methylides: a novel route to 1,3-oxazolidine- and thiazolidine-2-thiones 711
- Fishwick C. W. G. Foster R. J. and Carr R. E.**  
A short dipolar cycloaddition approach to  $\gamma$ -lactam alkaloids from *Cynometra hankei* 3915
- Fishwick C. W. G. Foster R. J. and Carr R. E.**  
Cyclic-fused azomethine-, imide-, and thioimide methylides: an efficient regiocontrolled entry into spiro-fused pyrrolidines 5163
- Fishwick C. W. G.** see Bell A. S. 123
- Fissiyuk A. S.**  
**Vorontsova M. A. and Temnikov D. V.**  
A new route to 5,6-dihydro-pyridine-2(1*H*)-thiones 5203
- FitzGerald G. A.** see Adiyaman M. 4849
- Fiumana A.** see Jones K. 8049
- Flaherty M. B.** see Herrick R. S. 5289
- Flaherty T. M. and Gervay J.**  
Hydride addition to 1,2-anhydrosugars: a highly stereoselective route to anhydroalditols 961
- Flatau S.** see Freyer W. 5083
- Flavin M. T.** see Chen W. 8975
- Fleet G. W. J.** see Bell A. A. 8561
- Fleet G. W. J.** see Blériot Y. 7155
- Fleet G. W. J.** see Davis B. 8565
- Fleet G. W. J.** see Griffiths R. C. 3207
- Fleet G. W. J.** see Shilcock J. P. 8569
- Fleming I. Roberts R. S. and Smith S. C.**
- The phenyldimethylsilyllithium reagent 9395
- Fleming I. and Lee D.**  
Conjugate addition of silyl groups to  $\beta$ -unsubstituted enones, and Si-to-OH conversion: a synthesis of ( $\pm$ )-lavandulol 6929
- Fleury M.-B.** see Largeron M. 7499
- Flippin L. A.** see Zhao S.-H. 4463
- Flisak J. R. Lantos I. Liu L.**  
**Matsuoka R. T.**  
**Mendelson W. L.**  
**Tucker L. M. Villani A. J.** and Zhang W.-Y.  
Enantioselective synthesis of a 5-LO inhibiting hydroxyurea. Construction of the dihydrobenzofuran nucleus by tandem nucleophilic addition and intramolecular cyclization 4639
- Flock S.** see Hofsløkken N. 119
- Florentiev V. L.** see Timofeev E. N. 8467
- Flores B.** see Méndez J. M. 4099
- Flores V. Nguyen C. K.**  
**Sindelar C. A.**  
**Vasquez L. D.** and **Shachter A. M.**  
Synthesis and circular dichroism of tartrate-linked porphyrin dimers 8633
- Florio S. Capriati V. and Luisi R.**  
An oxazoline-mediated synthesis of formyl epoxides 4781
- Florio S. and Troisi L.**  
Lithiation of allyl chlorides and reactions with electrophiles 4777
- Floyd C. D. Lewis C. N.**  
**Patel S. R. and Whittaker M.**  
A method for the synthesis of hydroxamic acids on solid phase 8045
- Flynn G. A.** see Waid P. P. 4091
- Fokin A. V.** see Osipov S. N. 615
- Fong K. C.** see Dai W.-M. 8413
- Font-Bardia M.** see Camps P. 8601
- Fontana F.** see Araneo S. 6897
- Fontana F.** see Araneo S. 7425
- Fontana G.** see Speranza G. 4247
- Font-Bardia M.** see Farràs J. 901
- Fonte P. Kohnke F. H. Parisi M. F. Menzer S. and Williams D. J.**  
Chiral naphthalufurophanes from furan macrocycles 6205
- Fonte P. Kohnke F. H. Parisi M. F. and Williams D. J.**  
Conversion of the cyclic

- hexamer of furan and acetone into naphthaurophanes 6201
- Font-Sanchis E.** see Pérez-Prieto J. 4923
- Foote C. S.** see Stratakis M. 4105
- Foote C. S.** see Stratakis M. 7159
- Foote K. M. Hayes C. J. and Pattenden G.** Synthetic studies towards phomactin A. Concise synthesis of the novel tricyclic furanochroman system 275
- Forbes D. C.** see Buck R. T. 7631
- Ford M. J.** see Craig D. 535
- Forge P.** see Tian S. 8309
- Fornasier R.** see Carofiglio T. 8019
- Forsyth C. J.** see Lee C. S. 6449
- Forti L. Ghelfi F. and Pagnoni U. M.** Fe<sup>0</sup> Initiated halogen atom transfer radical addition of methyl 2-Br-2-Cl-carboxylates to olefins 2077
- Fortunak J. M. D.**
- Mastrocola A. R.**
  - Mellinger M. Sisti N. J.**
  - Wood J. L. and Zhuang Z.-P.** Novel syntheses of camptothecin alkaloids—I. Intramolecular [4 + 2] cycloadditions of N-arylimidates and 4H-3,1-benzoxazin-4-ones as 2-aza-1,3-dienes 5679
- Fortunak J. M. D.**
- Kitteringham J.**
  - Mastrocola A. R.**
  - Mellinger M. Sisti N. J.**
  - Wood J. L. and Zhuang Z.-P.** Novel syntheses of camptothecin alkaloids—II. Concise synthesis of (S)-camptothecins 5683
- Foster R. J.** see Fishwick C. W. G. 711
- Foster R. J.** see Fishwick C. W. G. 3915
- Foster R. J. see**
- Fishwick C. W. G.** 5163
- Fotiadiu F.** see Chiodi O. 39
- Fouquet E.** see Corlay H. 5983
- Fournier R.** see Mutti S. 3125
- Fox M. A.** see Hong B. 583
- Fraile J. M. García J. I.**
- Mayoral J. A. and Figueras F.** Comparison of several heterogeneous catalysts in the epoxidation of  $\alpha$ -isophorone with hydroperoxides 5995
- Francisco C. G.**
- González C. C. and Suárez E.** Fragmentation of carbohydrate anomeric alkoxy radicals. A new synthesis of alduronic acid lactones 1687
- Franck X. Figadère B. and Cavé A.** Synthesis of (+)-squamostanal-A: a bioactive acetogenin of Annonaceae 1593
- Franck-Neumann M.**
- Miesch-Gross L. and Nass O.** Intramolecular Friedel-Crafts acylations of 1- and 2-alkanoic acid diene tricarbonyliron complexes 8763
- Franco S.** see Czernecki S. 4003
- Fraser-Reid B.** see Rodebaugh R. 5477
- Fredenburgh L. E.** see Senanayake C. H. 3271
- Freeman-Cook K. D. and Halcomb R. L.** Synthesis of bicyclic ketals related to zaragozic acid by a novel photo-annulation 4883
- Frère P.** see Elandaloussi E. H. 6121
- Frère P.** see Leriche P. 8861
- Frérot E. Marquis C. and Vogel P.** Total asymmetric synthesis of long-chain, branched carbohydrates and of an aza-C-disaccharide 2023
- Fresneda P. M.** see Molina P. 9353
- Fretté X. C. Biard J. F.**
- Roussakis C.** Verbist J. F.
  - Vercauteren J.** Pinaud N. and Débitus C.
  - New biologically active pectinoacetal-related sterols from the gorgonian *Ctenocella* sp. 2959
- Fretz H.** Synthesis of novel L-phenylalanine derivatives substituted with a keto ylide as stable precursor of a vicinal tricarbonyl moiety 8475
- Fretz H.** Solid phase synthesis of peptides containing novel L-phenylalanine derivatives substituted with vicinal tricarbonyl moieties 8479
- Frey D. A. Wu N.**
- Moeller K. D.** Anodic electrochemistry and the use of a 6-volt lantern battery: a simple method for attempting electrochemically based synthetic transformations 8317
- Freyer A. J.** see Snider B. B. 6977
- Freyer W. and Flatau S.** The first annulated porphyrazine containing four endoperoxide bridges 5083
- Fridkovsky E. Rudi A.**
- Benayahú Y.** Kashman Y. and Schleyer M.
  - Sarcoglane, a new cytotoxic diterpene from *Sarcophyton glaucum* 6909
- Fritz J. E.** see Kaldor S. W. 7193
- Froehler B. C.** see Gutierrez A. J. 3959
- Fröhlich R.** see Hintz S. 7349
- Fröhner W.** see Knöller H.-J. 9183
- Fronczek F. R.** see Dávila A. 2517
- Fronczek F. R.** see Junk T. 4361
- Frost C. Linnane P.**
- Magnus P. and Spyvee M.** Concise synthesis of taxol A-ring components: remote diastereoselective additions of alkynyl lithiums to aldehydes 9139
- Fry A. J.** see Kaufman S. A. 8105
- Fry D. F. Brown M.**
- McDonald J. C. and Dieter R. K.** Synthesis of functionalized cyclic imines by addition of Grignard reagents to  $\omega$ -bromonitriles and  $\gamma,\delta$ -unsaturated nitriles 6227
- Frydman B.** see Kogan M. 763
- Fryer A. M.** see Baldwin J. E. 6923
- Fu J.** see Benson D. R. 4833
- Fu T. Y. Scheffer J. R. and Trotter J.** Crystal structure-reactivity relationships in the solid state photochemistry of 2,4,6-triisopropylthiobenzophenone: C=O...H versus C=S...H abstraction geometry 2125
- Fuchigami T.** see Fujita T. 4725
- Fuchikami T.** see Hagiwara T. 8187
- Fuchikami T.** see Hirosawa C. 6749
- Fuchikami T.** see Shimizu R. 5557
- Fuchikami T.** see Shimizu R. 8405
- Fuchs P. L.** see Jin Z. 5247
- Fuchs P. L.** see Jin Z. 5249
- Fuchs P. L.** see Jin Z. 5253
- Fuchs P. L.** see Kim S. H. 2545
- Fuchs P. L.** see Xiang J. S. 5269
- Fugami K.** see Harayama H. 7287
- Fuji K. Takasu K.**
- Miyamoto H.** Tanaka K. and Taga T.
  - Polyaza macrocycles containing the piperazine ring as a semi-flexible moiety 7111
- Fuji K. Yang X.-S. Tanaka K.**
- Asakawa N. and Hao X.-J.** 1,1'-Binaphthalene-8,8'-diol as an efficient chiral controller: highly enantioselective

- synthesis of optically active ketones 7373
- Fuji K.** see Kawabata T. 4153
- Fuji K.** see Tanaka K. 3735
- Fuji K., Hara O., Fujita Y. and Sakagami Y.**  
A highly stereoselective synthesis of *Z*-disubstituted olefin by *O*-assisted Still–Wittig rearrangement 389
- Fuji K.** see Harada K. 3001
- Fuji N.** see Ibuka T. 2849
- Fuji S.** see Nishizono N. 7569
- Fuji T.** see Suzuki K. 5921
- Fujimaki K.** see Nakamura H. 3153
- Fujimoto H.** see Choshi T. 2593
- Fujimoto K.** see Sugiyama H. 1805
- Fujimoto T.** see Tanaka Y. 881
- Fujioka H., Kitagawa H., Matsunaga N., Nagatomi Y. and Kita Y.**  
Remote asymmetric induction for chiral 1,4-diols using a chiral acetal derived from chiral hydrobenzoin 2245
- Fujioka H.** see Kita Y. 1817
- Fujioka S.** see Kimura Y. 4961
- Fujisaki S.** see Saitoh M. 6733
- Fujisawa T., Kooryama Y. and Shimizu M.**  
Switchover of diastereofacial selectivity in the condensation reaction of optically active *N*-sulfinimine with ester enolate 3881
- Fujisawa T.** see Hayakawa R. 7533
- Fujita K., Mizuochi M., Kiyooka A., Koga K. and Ohta K.**  
Regiospecific one-point cleavage of capped  $\beta$ -cyclodextrin by taka-amylase A 4035
- Fujita K., Okabe Y., Ohta K., Yamamuro H., Tahara T., Nogami Y. and Koga T.**  
Dependence of guest-binding ability on cavity shape of deformed cyclodextrins 1825
- Fujita K.** see Chen W.-H. 7561
- Fujita K.** see Murashima T. 8391
- Fujita T. and Fuchigami T.**  
Electrolytic partial fluorination of organic compounds—XX. Electrosynthesis of novel hypervalent iodobenzene chlorofluoride derivatives and its application to indirect anodic *gem*-difluorination 4725
- Fujita T.** see Shibata K. 2791
- Fujita T.** see Yanada R. 9313
- Fujita Y.** see Fujii K. 389
- Fujiwara K.** see Hayashi N. 6173
- Fujiwara M.** see Ichikawa J. 8799
- Fujiwara Y.** see Irie O. 9229
- Fujiwara Y.** see Kitamura T. 3721
- Fujiwara Y.** see Okuma K. 8883
- Fujiwara Y.** see Taniguchi Y. 3465
- Fukase K., Yasukochi T., Nakai Y. and Kusumoto S.**  
*p*-Nitrophenyl group for anomeric protection of oligosaccharides, selective oxidative cleavage via *p*-acetamidophenyl glycosides 3343
- Fukase K., Yasukochi T., Suda Y., Yoshida M. and Kusumoto S.**  
Chemoenzymatic synthesis of Gal(β1-3)Gal(β1-4)Xyl(β)-L-Ser and Gal(β1-3)Gal(β1-4)Xyl(β)-MU by the use of β-D-Galactosidase 6763
- Fukase K.** see Suda Y. 1053
- Fukazawa Y., Okajima T. and Kodama M.**  
Transition structures for MeOH addition to pentadienyl cations and stereochemistry of intramolecular ether cyclization 1257
- Fukazawa Y.** see Yoshimura K. 1435
- Fukuda S.** see Iida K. 4997
- Fukuda T. and Katsuki T.**  
Mn–Salen catalyzed asymmetric oxidation of enol derivatives 4389
- Fukuda T.** see Noguchi Y. 4533
- Fukuhara C.** see Ikeda A. 7091
- Fukuhara T.** see Hara S. 8511
- Fukui K., Iwane K., Shimidzu T. and Tanaka K.**  
Oligonucleotides covalently linked to an acridine at artificial abasic site: influence of linker length and the base-sequence 4983
- Fukumoto K.** see Nemoto H. 6355
- Fukumoto K.** see Tokunaga Y. 6157
- Fukumoto K.** see Toyota M. 4401
- Fukunishi K.** see Miki S. 2049
- Fukushi Y., Shigematsu K., Mizutani J. and Tahara S.**  
A new NMR chiral derivatizing reagent for determining the absolute configurations of carboxylic acids 4737
- Fukuyama H.** see Hatakeyama S. 4047
- Fukuyama H.** see Hatakeyama S. 4287
- Fukuyama Y., Kiriyama Y. and Kodama M.**  
Total synthesis of herbertenediol, an isocuparane sesquiterpene isolated from liverworts 1261
- Fukuyama Y., Minami H., Takeuchi K. and Kodama M.**
- and Kawazu K.**  
Neovibsanines A and B, unprecedented diterpenes from *Viburnum awabuki* 6767
- Fukuzawa S., Matsunaga S. and Fusetani N.**  
Use of  $^{15}\text{N}$ -HMBC NMR techniques to determine the orientation of the steroid units in ritterazine A 1447
- Funabiki K.** see Katsuyama I. 4177
- Funatsu M.** see Miura K. 9059
- Furihata K. and Seto H.**  
3D-HMBC, a new NMR technique useful for structural studies of complicated molecules 8901
- Furihata K.** see Seto H. 7979
- Furlán R. L. E., Mata E. G. and Mascaretti O. A.**  
Cleavage of carboxylic esters effected by organotin oxides and hydroxides under classical heating and microwave irradiation. A comparative study 5229
- Fürstner A. and Brunner H.**  
Preparation of allyl-, alkenyl- and of functionalized arylmanganese reagents by oxidative insertion of manganese-graphite into organic halides 7009
- Fürstner A. and Kindler N.**  
Macrocycle formation by ring-closing-metathesis—II. An efficient synthesis of enantiomerically pure (*R*)-(+)-(*R*)-lasiodiplodin 7005
- Furstoss R.** see Alphand V. 6117
- Furstoss R.** see Lebreton J. 1011
- Furstoss R.** see Pedragosa-Moreau S. 3319
- Furstoss R.** see Viazzo P. 4519
- Furukawa H.** see Mori Y. 2605
- Furukawa H.** see Mori Y. 6959
- Furukawa I.** see Hori K. 5947
- Furukawa N.** see Shima H. 667
- Furukawa S.** see Kawagishi H. 7399
- Furumoto Y.** see Toshima H. 5707
- Furuta S. and Hiyama T.**  
Difluorination of 2-substituted 1,1,1-tris(methylthio)ethanes by oxidative desulfurization–fluorination. A new route to partially fluorinated olefins 7983
- Furya T.** see Katajiri N. 1801
- Furya T.** see Sato M. 633
- Fusar-Bassini D.** see Pinciroli V. 9365
- Fusco C.** see Curci R. 115
- Fusco C.** see Curci R. 249
- Fusetani N.** see Fukuzawa S. 1447
- Fusetani N.** see Tsukamoto S. 1439

- Fusetani N.** see Tsukamoto S. 5555
- Fusetani N.** see Ushio-Sata N. 225
- Fusi S.** see Donati D. 5783
- Futagawa T.** see Sugimura T. 7303
- Futaki S., Ishikawa T., Niwa M., Yagami T. and Kitagawa K.** Pseudo-symmetrical protein: construction of a four-helix-bundle protein with four intramolecular disulfide cross-linkings 201
- Gabbott C. D., Heron B. M., Hepworth J. D. and Rahman M. M.** The generation and reactions of 3,4-didehydro-2*H*-[1]benzopyran, a highly strained heterocycle 1313
- Gaggero N.** see Alphand V. 6117
- Gai Y.** see Hanessian S. 7473
- Gai Y.** see Hanessian S. 7477
- Gaikar V. G.** see Khadilkar B. M. 1719
- Gala D., DiBenedetto D. J., Clark J. E., Murphy B. L., Schumacher D. P. and Steinman M.** Preparations of antifungal Sch 42427/SM 9164: preparative chromatographic resolution, and total asymmetric synthesis via enzymatic preparation of chiral  $\alpha$ -hydroxy arylketones 611
- Gala D., DiBenedetto D. J., Mergelsberg I. and Kugelman M.** Total chiral synthesis of azole antifungals via  $\alpha$ -hydroxylation of ketones 8117
- Galatsis P., Manwell J. J. and Millan S. D.** Stereochemical consequences in the deprotonation of enoates 5261
- Gale P. A., Sessler J. L., Lynch V. and Sansom P. I.** Synthesis of a new cylindrical calix[4]arene—calix[4]pyrrole pseudo dimer 7881
- Galéotti N., Coste J., Bedos P. and Jouin P.** A straightforward synthesis of  $\alpha$ -amino phosphonate monoesters using BroP or TPyClU 3997
- Galili N.** see Becker D. 8941
- Gallagher M. J.** see Grice I. D. 1087
- Galley G., Hübner J., Arklam S., Jones P. G. and Pätzl M.** Diastereoselective conjugate addition and cyclopropanation reactions with nitroalkenes derived from (*R*)-2,3-
- isopropylidene glyceraldehyde 6307
- Galli A.** see Speranza G. 4247
- Galopin C. C., Zhang S., Wilson D. B. and Ganem B.** On the mechanism of chorismate mutases: clues from wild-type *E. coli* enzyme and a site-directed mutant related to yeast chorismate mutase 8675
- Galt R. H. B., Hitchcock P. B., McCarthy S. J. and Young D. W.** Formation of a medium ring imine ether by a diazo insertion reaction 8035
- Gálvez N., Moreno-Mañas M., Vallribera A., Molins E. and Cabrero A.** Cobalt-mediated alkylation of (4*R*) and (4*S*)-3-acetoacetyl-4-benzylloxazolidin-2-ones. Preparation of enantiopure diphenylmethyl-, 9-fluorenyl- and (1-adamantyl)glycines 6197
- Gamba A.** see Gandolfi R. 917
- Gamba Invernizzi A.** see Quadrelli P. 1909
- Gamble M. P., Giblin G. M. P., Montana J. G., O'Brien P., Ockendon T. P. and Taylor R. J. K.** Amino acid derived thiane oxide and dioxide systems as disposable templates: synthesis of  $\alpha$ -amino ketones, anti-amino alcohols and an amino cyclopentenone 7457
- Gamble M. P., Studley J. R. and Wills M.** New chiral phosphinamide catalysts for highly enantioselective reduction of ketones 2853
- Gamlin J. N., Olovsson G., Pitchumani K., Ramamurthy V., Scheffer J. R. and Trotter J.** Cation to anion triplet-triplet energy transfer in crystalline organic salts 6037
- Gamlin J. N.** see Borecka B. 2121
- Gan T. and Cook J. M.** General approach for the synthesis of macroline/sarpagine related indole alkaloids via the asymmetric Pictet-Spengler reaction: the enantiospecific synthesis of (-)-anhydromacrosaline-methine 5033
- Gan T. and Cook J. M.** Partial synthesis of the antiamoebic bisindole alkaloid (-)-macrocarpamine 5037
- Gandhi S. S.** see Qiu D. 595
- Gandolfi R., Amade' M. S., Rastelli A., Bagatti M. and Montanari D.** Enhancement in facial selectivity of a plane nonsymmetric double bond induced by a conjugating methoxycarbonyl group 517
- Gandolfi R., Amade' M. S., Rastelli A. and Bagatti M.**  $\pi$ -Facial diastereoselectivity in electrophilic additions and 1,3-dipolar cycloadditions to bicyclo[2.2.2]oct-2-enes 5,6-*cis,exo*-disubstituted with electron withdrawing groups 1321
- Gandolfi R., Gamba A., Presutto M., Oberti R. and Sardone N.** New base induced rearrangements of 4-acylisoxazolidines. Anionic reactional cascades from five membered rings to either four membered rings or open chain compounds 917
- Ganem B.** see Galopin C. C. 8675
- Ganem B.** see Ponaski J. A. 6041
- Gangadhar B. P.** see Sivanandaiah K. M. 5989
- Gangopadhyay A. K.** see Lal B. 2483
- Gangopadhyay P.** see Sarkar T. K. 6607
- Gangopadhyay P.** see Sarkar T. K. 8627
- Ganguly A. K.** see Jao E. 5661
- Ganguly A. K.** see Saksena A. K. 5657
- Ganguly A. K.** see Saksena A. K. 6821
- Ganguly A. K.** see Shankar B. B. 4095
- Gani D.** see Hartzoulakis B. 6911
- Gani D.** see Hormozdiari P. 8227
- Gani D.** see Mehrotra A. P. 6915
- Gano J. E.** see Cheng J. 2721
- Gao Q. and Chen S.-H.** An unprecedented side chain conformation of paclitaxel (Taxol<sup>®</sup>): crystal structure of 7-mesylpaclitaxel 3425
- Gao Q.** see Kant J. 6495
- Gao W., Sakaguchi K., Isoe S. and Ohfune Y.** Stereoselective synthesis of a marine natural product, ( $\pm$ )-6- $\beta$ -isovaleroylabda-8,13-diene-7 $\alpha$ ,15-diol 7071
- Gao Y., Shirai M. and Sato F.** Synthesis of substituted pyrroles from an alkyne, an imine and carbon monoxide via an organotitanium intermediate 7787
- Gao Y., Wu W.-L., Ye B., Zhou R. and Wu Y.-L.** Convenient syntheses of tonghaosu and two thiophene substituted spiroketal enol ether natural products 893

- Gao Y.** see Tamagnan G. 4353
- Gaon I., Turek T. C. and Distefano M. D.**  
Farnesyl and geranylgeranyl pyrophosphate analogs incorporating benzoylbenzyl ethers: synthesis and inhibition of yeast protein farnesytransferase 8833
- Gaon I.** see Turek T. C. 4845
- Garber L. T.** see Evans P. A. 2927
- García C. F.** see Doyle M. P. 4129
- García G. A.** see Méndez J. M. 4099
- García H.** see Alvaro M. 2873
- García J. I.** see Fraile J. M. 5995
- Garcia J. J. Sierra C. and Torrens H.**  
Facile cyclotrimerization of  $\text{CF}_3\text{C}=\text{CH}$  and  $\text{CF}_3\text{C}=\text{CCF}_3$  with bimetallic rhodium catalysts 6097
- García J. M.** see Palomo C. 4565
- García J. M.** see Palomo C. 6931
- Garcia M. E., Gavin J. A., Deng N., Andrievsky A. A. and Mallouk T. E.**  
Combinatorial synthesis of modular chiral cyclophanes 8313
- Garcia S.** see Alvaro M. 2873
- Garcia-Grávalos M. D.** see Norte M. 2671
- García-López M. T.** see Suárez-Gea M. L. 2083
- García-López M<sup>º</sup> T.** see Martín-Martínez M. 2471
- García-Navio J. L.** see Minguez J. M. 4263
- García-Navio J. L.** see Vega J. A. 6413
- Garcia Ruano J. L.**  
Martín Castro A. M. and Rodríguez Ramos J. H.  
Anchimeric assistance of the sulfinyl group in the hydrolysis of cyano groups: a new mild method for the reduction of sulfoxides 4569
- Garcia Ruano J. L.** see Carreño M. C. 4081
- Garcia-Rubio S.** see Solé D. 5213
- Garcia-Zafra S.** see Molina P. 9353
- Gardiner J. M., Nørret M. and Sadler I. H.**  
Diastereospecific epoxidation/AE kinetic resolution of *cis/trans*-2,6-dimethylbenzylidene cyclohexane and solution conformation of 4,8-dimethyl-2-phenyl-1-oxaspiro-[2.5]octane 8447
- Gardinier I., Roignant A., Oget N., Bernard H., Yaouanc J. J. and Handel H.**
- Trivalent protecting groups for the synthesis of symmetrical and unsymmetrical bis-tetraazamacrocycles 7711
- Gardossi L.** see Ebert C. 9377
- Garg R.** see Donohoe T. J. 3407
- Gargano M.** see Ravasio N. 3529
- Garin J.** see Lerche P. 8861
- Garin J.** see Martín N. 5979
- Garlaschelli L., Vidari G. and Vita-Finzi P.**  
Tricholomenyns C, D, and E, novel dimeric dienynes geranyl cyclohexenones from the fruiting bodies of *Tricholoma acerbum* 6223
- Garnier L., Plunian B., Mortier J. and Vautier M.**  
Diels-Alder reactions of 1,3-dienylborate salts with activated dienophiles 6699
- Garrido N. M.** see Urones J. G. 1659
- Gaslain Y.** see Alami M. 57
- Gassman P. G., Tan L. and Hoye T. R.**  
Intramolecular cationic cyclizations initiated by electrocyclic cleavage of cyclopropanes. Synthesis of trienic cyclopentane derivatives 439
- Gastaldi S.** see Bertrand M.-P. 1229
- Gates K. S.** see Kim W. 6425
- Gates K. S.** see Kim W. 5337
- Gatilov Y. V.** see Khlestkin V. K. 5997
- Gatilov Y. V.** see Polovinka M. P. 2631
- Gau R. A.** see Butler D. N. 2825
- Gaucher A.** see Mazaleyrat J.-P. 2971
- Gaudemer A., Fanet C., Gaudemer F. and Salmon L.**  
Synthesis of D-arabinohydroxamic acid and D-threono-hydroxamic acid, potent inhibitors of D-xylose isomerase 2237
- Gaudemer A.** see Bonnette C. 1221
- Gaudemer F.** see Gaudemer A. 2237
- Gaudino J. J.** see Mayer J. P. 8081
- Gauthier S. and Labrie F.**  
New synthesis of 2,3-disubstituted and 2,2,3-trisubstituted 2*H*-1-benzothiopyran derivatives 5077
- Gauthier, Jr D. R. and Bender S. L.**  
An approach to pancratistatin from *myo*-inositol 13
- Gautier I., Ratovelomanana-Vidal V., Savignac P. and Genêt J.-P.**
- Geraci C., Piattelli M. and Neri P.**  
Regioselective synthesis of calix[8]crowns by direct alkylation of *p*-*tert*-butylcalix[8]arene 3899
- Geraci C., Piattelli M. and Neri P.**  
Inherent chirality in calix[8]arenes exploiting the steric constraint of two 3549
- Gavagnin M., Mollo E., Cimino G. and Ortea J.**  
A new  $\gamma$ -dihydropyrone-propionate from the Caribbean sacoglossan *Tridachia crispata* 4259
- Gavagnin M.** see Ungur N. 8313
- Gayatri N. L.** see Kamal A. 3359
- Gayo L. M. and Suto M. J.**  
Use of pentafluorophenyl esters for one-pot protection/activation of amino and thiol carboxylic acids 4915
- Gašić M. J.** see Šolaja B. A. 3765
- Ge Y.** see Shimano K. 2253
- Ge Y.** see Tamura S. Y. 4109
- Gedney A.** see Taylor G. M. 1297
- Gee K. R., Sun W.-C., Klaubert D. H., Haugland R. P., Upson R. H., Steinberg T. H. and Poot M.**  
Novel derivatization of protein thiols with fluorinated fluoresceins 7905
- Geen G. R.** see Bell D. 3895
- Geib S. J.** see Zafar A. 2327
- Geiger M.** see Aurich H. G. 841
- Geisel U.** see Berkessel A. 355
- Gelas J.** see Ripoche I. 3991
- Gellon G.** see Provent C. 1393
- Genet J.-P.** see Darses S. 3857
- Genêt J.-P.** see Gautier I. 7721
- Genêt J.-P.** see Lemaire-Audoire S. 2003
- Genêt J.-P.** see Montalbetti C. 2225
- Genêt J. P.** see Girard A. 7967
- Genêt J. P.** see Greck C. 2031
- Genet R.** see Hammadi A. 3309
- Genkinger O. and Bargon J.**  
Mercury-photosensitized dehydrodimerization reactions with cyclic ethers 6853
- Gennari C. and Pain G.**  
Boron aldol reaction of  $\alpha$ -halosubstituted thioacetates with silyl imines: a highly enantio- and diastereo-selective synthesis of aziridines 3747
- Gennari C.** see Gude M. 8589
- Genov M.** see Dimitrov V. 6787
- Gentes C.** see Aurich H. G. 841
- Geraci C., Piattelli M. and Neri P.**  
Regioselective synthesis of calix[8]crowns by direct alkylation of *p*-*tert*-butylcalix[8]arene 3899
- Geraci C., Piattelli M. and Neri P.**  
Inherent chirality in calix[8]arenes exploiting the steric constraint of two

- intercrossing polyether chains 7627
- Geraghty N. W.** A. see Audley M. 1641
- Gerard J.** Haden P. Kelly M. T. and Andersen R. J. Loloatin B, a cyclic decapeptide antibiotic produced in culture by a tropical marine bacterium 7201
- Gerlach B.** and Smith K. M. A convenient synthetic approach to 8-vinyl-chlorophyll derivatives 5431
- Gerohanassis I. P.** Cobb J. Kimbaris A. Smith J. A. S. and Varvounis G.  $^{17}\text{O}$  and  $^{14}\text{N}$  NMR studies of quinoxaline-2(1*H*),3(4*H*)-diones and *N,N*-substituted oxamides: the first experimental evidence of torsion angle deformation resulting from an unprecedented through six-bond substituent effect on the diamide group of quinoxaline-2(1*H*),3(4*H*)-diones 3191
- Gerohanassis I. P.** Troganis A. and Vakka C. The first experimental evidence of differential hydration of *E/Z* isomers of sterically hindered amides: one dimensional steady-state selective intermolecular  $^{13}\text{C}$ ,  $^1\text{H}$  Overhauser effect study of *tert*-butylformamide 6569
- Gersch B.** Lehn J.-M. and Grell E. Synthesis of new dibenzodiaza-crown ethers 2213
- Gerster M.** Audergon L. Moufid N. and Renaud P. Simple and efficient stereocontrol of radical allylations of  $\beta$ -hydroxy esters 6335
- Gervay J.** see Flaherty T. M. 961
- Gerwick W. H.** see Gruber M. A. 4635
- Gestin J. F.** see Mishra A. K. 7515
- Geze C.** see Poignant G. 7511
- Ghaffarzadeh M.** see Matloubi Moghaddam F. 1855
- Ghaneolhosseini H.** see Tjarks W. 6905
- Gheffi F.** see Forti L. 2077
- Ghiron C.** Piga E. Rossi T. Tamburini B. and Thomas R. J. The stereoselective synthesis of a key intermediate of the trinem antibiotic sanfetrinem 3891
- Ghorai B. K.** see Sarkar T. K. 8627
- Ghorai B. K.** see Sarkar T. K. 6607
- Ghosh A.** see Zhang D. 3799
- Ghosh A. C.** see Baruah M. 4559
- Ghosh A. C.** see Bhuyan P. J. 1853
- Ghosh A. C.** see Bordoloi M. 6791
- Ghosh A. C.** see Boruah A. 4203
- Ghosh A. K.** Mathivanan P. and Cappiello J. Conformationally constrained bis(oxazoline) derived chiral catalyst: a highly effective enantioselective Diels-Alder reaction 3815
- Ghosh S.** Easwaran K. R. K. and Bhattacharya S. Synthesis of novel disulfide containing macrocyclic diacylglycerols 5769
- Ghosh S.** Nandi B. and Salma Y. Studies on enamides—V. A novel pathway for photochemical reaction of *N*-1-cyclohexenyl-*N*-phenylarylamides 3169
- Ghosh S.** Patra D. and Samajdar S. Intramolecular [2 + 2] photocycloaddition—cyclobutane rearrangement. A novel stereocontrolled approach to highly substituted cyclopentanones 2073
- Ghosh S.** see Sarkar S. 4809
- Gibert M.** see Ferrer M. 3585
- Giblin G. M. P.** see Gamble M. P. 7457
- Gibson K. R.** see Paterson I. 8585
- Giese B.** see Peukert S. 4365
- Giese B.** see Roth M. 351
- Giese B.** see Tronche C. 5845
- Giffard M.** see Leriche P. 5115
- Gilbert J. C.** see Marchand A. P. 8101
- Gilbert L.** see Ruiz J. 4511
- Gilbert P.** see Beddoes R. L. 9119
- Gilbert P.** see Dekhane M. 1883
- Gilbert P.** Lewis M. L. Quayle P. Zhao Y. and Mills K.  $\alpha$ -Alkoxystannyl ethers in organic synthesis: synthesis of functionalised  $\gamma$ -butyrolactones 9115
- Gilbertson S. R.** and Wang X. The combinatorial synthesis of chiral phosphine ligands 6475
- Giles R. G. F.** Joll C. A. Sargent M. V. and Tilbrook D. M. G. A metal-mediated diastereoselective synthesis of precursors to the aphid pigment derivatives 7851
- Gill G. B.** Pattenden G. and Roan G. A. Cobalt  $\pi$ -cations in carbocyclic ring constructions 9369
- Gillespie K.** see Howarth J. 6011
- Gillies I.** and Rees C. W. Amide anions as unexpected activating groups in nucleophilic heteroaromatic substitution 4065
- Gillman K. W.** see Schlessinger R. H. 1331
- Gillmann T.** and Heckhoff S. Aza-eyne allenes: thermal reaction behavior of 2,4,5-hexatrienenitriles 839
- Gin D. Y.** see Corey E. J. 7163
- Giralt E.** see Alsina J. 4195
- Giralt E.** see Valero M.-L. 4229
- Girard A.** Greck C. Ferroud D. and Genêt J. P. Syntheses of the *syn* and *anti*  $\alpha$ -amino- $\beta$ -hydroxy acids of vancomycin: (2S,3*R*) and (2*R*,3*R*) *p*-chloro-3-hydroxytyrosines 7967
- Girard C.** Mandville G. Shi H. and Bloch R. Sterecontrolled synthesis of 2,5-disubstituted di- and tetrahydrofurans 63
- Giridhar D. E.** see Norris P. 3925
- Girjavallabhan V. M.** see Saksena A. K. 6821
- Girjavallabhan V. M.** see Jao E. 5661
- Girjavallabhan V. M.** see Saksena A. K. 5657
- Girol C.** see Piettre S. R. 4711
- Giroux A.** see Black W. C. 4471
- Giroux A.** see Charette A. B. 6669
- Giugliano A.** see Bonini C. 2487
- Giusti G.** see Salemi-Delvaux C. 5127
- Giusto R. A.** see Andrews D. R. 3417
- Givens R. S.** and Park C.-H.  $\rho$ -Hydroxyphenacyl ATP: a new phototrigger 6259
- Givens R. S.** see Hohman J. R. 8273
- Glacon V.** El Meslouti A. Uzan R. Demaily G. and Beaupère D. A new efficient way to  $\alpha,\omega$ -diaminotolts by direct azidation of unprotected itols 3683
- Gleiter R.** and Stahr H.  $\pi$ -Cages—syntheses and properties of cyclic siladiynes and bicyclic disilatriynes 1179
- Gleiter R.** and Wolfart V. 1,8-Diazabicyclo[6.6.6]eicos-4,11,17-triyne and 1,8-diazacyclotetradeca-4,11-dyne. Syntheses and properties 479
- Gleye C.** Laurens A. Hocquemiller R.
- Figadère B.** and Cavé A. Muridienin-1 and -2: the

- missing links in the biogenetic precursors of acetogenins of annonaceae 9301
- Glink P. T.** see Ashton P. R. 6217
- Glisan King A.** Meinwald J. Eisner T. and Blankspoor C. L. Synthesis of 9-propyl-10-azacyclododecan-12-olide 2141
- Glories Y.** see Vivas N. 2015
- Gobbi L.** see Ernst A. 7959
- Gockel U.** see Schulze M. M. 357
- Goda K.** see Tsunoda T. 2457
- Godard A.** see Mongin F. 6695
- Goddard R.** see Reetz M. T. 9293
- Goddard R.** see Zimmermann K. 8371
- Godebout V.** Lecomte S. Levasseur F. and Duhamel L. Chiral  $\beta$ -lithio enol ethers: synthesis and properties 7255
- Godjoian G.** Wang Y. R. Ayala A. M. Martinez R. V. Martinez-Bernhardt R. and Gutiérrez C. G. Substituted triethylene glycols from dibutylstannylene acetals 433
- Goel A.** see Ram V. J. 93
- Goel O. P.** see Chen H. G. 8129
- Goesmann H.** see Knölker H.-J. 6543
- Goetz M. A.** see Singh S. B. 8077
- Goff D. A.** and Zuckermann R. N. The synthesis of 2-oxopiperazines by intramolecular Michael addition on solid support 6247
- Goldberg D. R.** see Crowe W. E. 2117
- Goldstein D. M.** and Wipf P. Studies toward the synthesis of *Stemona* alkaloids; a short synthesis of the tricyclic core of tuberostemonines 739
- Golobish T. D.** and Dailey W. P. Synthesis and structure of bishomohexaprismanedione 3239
- Golz T.** see Klärner F.-G. 1385
- Gómez A. M.** see Valverde S. 1105
- Gómez Arrayás R.** see Carretero J. C. 3379
- Gomez Pardo D.** see Cossy J. 6709
- Gomez Pardo D.** see Cossy J. 8173
- Gong Y.** see Xiang Y. 4877
- Gonser P.** see Knölker H.-J. 2405
- Gonser P.** see Knölker H.-J. 6543
- Gontcharov A. V.** see Pearson A. J. 3087
- Gonzales S. S.** Jacobs H. K. Juarros L. E. and Gopalan A. S. A study of the intramolecular cyclization reactions of some derivatives of 3-arylsulfonyl cycloalkanols 6827
- González A.** see Palomo C. 4565
- González A.** see Palomo C. 6931
- González C.** Guitián E. and Castedo L. A new intramolecular aryne cycloaddition approach to lycorines 405
- González C. C.** see Francisco C. G. 1687
- Gonzalez J.** and Carroll F. I. Bromine-promoted cyclization of an olefinic  $\alpha$ -aminonitrile: a practical synthesis of 5-aminocarbonyl-10,11-dihydro-5H-dibenzo[*a,d*]cyclohepten-5,10-imine (ADCI) 8655
- González L.** see Posner G. H. 815
- González Á.** Aiguadé J. Urpí F. and Vilarrasa J. Asymmetric acetate aldol reactions in connection with an enantioselective total synthesis of macrolactin A 8949
- González-Muñiz R.** see Martín-Martínez M. 2471
- González-Muñiz R.** see Suárez-Gea M. L. 2083
- González-Núñez M. E.** see Asensio G. 2299
- Goodman B. A.** see Mayer J. P. 5633
- Goodman J. L.** see Stoub D. G. 4927
- Goodman S. N.** see Wood J. L. 7335
- Goon S.** see Meth-Cohn O. 9381
- Gopalan A. S.** see Gonzales S. S. 6827
- Gopalaswamy R.** and Koreeda M. On the mechanism of the stereo- and regioselective ether-ring opening of 1,2,3,4-tetrahydro-1 $\beta$ ,4 $\beta$ -epoxy-2 $\alpha$ ,3 $\alpha$ -carbonyldioxy arene systems with boron tribromide 3651
- Gopalaswamy R.** see Koreeda M. 8267
- Gordeev M. F.** Patel D. V. Wu J. and Gordon E. M. Approaches to combinatorial synthesis of heterocycles: solid phase synthesis of pyridines and pyrido[2,3-*d*]pyrimidines 4643
- Gordeev M. F.** see Szardenings A. K. 3635
- Gordon E. M.** see Gordeev M. F. 4643
- Goré J.** see Cavicchioli M. 1429
- Goré J.** see David K. 3333
- Goré J.** see David K. 3335
- Goré J.** see Surivet J.-P. 371
- Gorgues A.** see Leriche P. 5115
- Gorgues A.** see Leriche P. 8861
- Gorin B. I.** Riopelle R. J. and Thatcher G. R. J. Efficient perfacial derivatization of cyclodextrins at the primary face 4647
- Gorrichon L.** see Escudier J.-M. 4689
- Gossmann G.** Guillaume D. and Husson H.-P. Asymmetric synthesis—XLI. Totally stereoselective synthesis of 1,3-disubstituted tetrahydroisoquinolines via the CN(*R,S*) method 4369
- Gossauer A.** see Mongin O. 3825
- Goti A.** and Nannelli L. Synthesis of nitrones by methyltrioxorhenium catalyzed direct oxidation of secondary amines 6025
- Goto K.** Holler M. and Okazaki R. Synthesis and structure of a novel molecular bowl with an all-carbon and acyclic framework 3141
- Goto K.** see Saiki T. 4039
- Goto K.** see Ueoka R. 3461
- Goto M.** see Saiki T. 4039
- Goto M.** see Ueki M. 4953
- Goto Y.** see Tagawa Y. 69
- Goubet F.** and Teutsch G. Conversion of a thiohydantoin to the corresponding hydantoin via a ring-opening/ring closure mechanism 7727
- Gough G. R.** Miller T. J. and Mantick N. A. *p*-Nitrobenzyloxymethyl: a new fluoride-removable protecting group for ribonucleoside 2'-hydroxyls 981
- Gouilleux L.** Fehrentz J.-A. Winternitz F. and Martinez J. Solid phase synthesis of chiral 3-substituted quinazoline-2,4-diones 7031
- Gouille V.** see Shi Z. 2357
- Gourdel-Martin M.-E.** and Huet F. Stereospecific synthesis of (*Z,E*)-dienes. An experimental verification of Houk's group theoretical predictions for nitrogen substituents 7745
- Gouverneur V.** and Laloz M.-N. *N*-Hydroxy- $\alpha$ -amino

- phosphonate derivatives as potential haptens for eliciting catalytic antibodies 6331
- Gouverneur V.** see Schlama T. 7047
- Gowardhan C. P.** see Persichetti R. A. 6507
- Graber M. A.** Gerwick W. H. and Cheney D. P.  
The isolation and characterization of agardhilactone, a novel oxylipin from the marine red alga *Agardhiella subulata* 4635
- Grabowski S.** and Prinzbach H.  
*De novo* syntheses of enantiopure glycosyl donors of D-L-azapururosamine C type—enzymatic asymmetrications 7951
- Graf E.** see Hajek F. 1401
- Graf E.** see Hajek F. 1409
- Graf E.** see Mislin G. 4503
- Graham A. E.** McKerrecher D. Davies D. H. and Taylor R. J. K.  
Sonogashira coupling reactions of highly oxygenated vinyl halides: the first synthesis of harveynone and *epi*-harveynone 7445
- Gramain J.-C.** see Ibrahim-Ouali M. 37
- Granberg K.** see Hanessian S. 9001
- Grandclaudon P.** see Couture A. 3697
- Grandclaudon P.** see Couture A. 7749
- Grande M.** see Raposo C. 1485
- Gras-Masse H.** see Klinguer C. 7259
- Graziano M. L.** Lasalvia M. Piccialli V. and Sica D.  
Reaction of small-size cycloalkane rings with RuO<sub>4</sub>. Oxidative scission of ethyl 2,2-dimethoxycyclopropane-1-carboxylates and methyl 2,2,6,6-tetramethoxybicyclo[2.2.0]hexane-1-carboxylates 527
- Grech J. M.** see Kocovsky P. 1125
- Grech J. M.** see Kocovsky P. 5585
- Greck C.** Ferreira F. and Genét J. P.  
Synthesis of both enantiomers of *trans* 3-hydroxypipeolic acid 2031
- Greck C.** see Girard A. 7967
- Greco M. N.** see Maryanoff B. E. 3667
- Grée D.** see Kermarrec C. 5691
- Grée R.** see Kermarrec C. 5691
- Grée R.** see Legouy S. 1225
- Greif C. H.** Seeberger P. H.  
Caruthers M. H. Beaton G. and Bankaitis-Davis D.  
Synthesis of phosphoro-
- dithioate RNA by the H-phosphonothioate method 4451
- Green, III F. R.** see Fields S. C. 1967
- Greer A.** see Clennan E. L. 6093
- Greeves N.** Pease J. E. Bowden M. C. and Brown S. M.  
Enantioselective addition of organocerium reagents to aldehydes—effects of TADDOL ligand structure 2675
- Greeves N.** and Pease J. E.  
Enantioselective addition of tris(TADDOL) organocerium reagents to aldehydes 5821
- Greidanus G.** see Black W. C. 4471
- Greiner A.** see David K. 3333
- Greiner A.** see David K. 3335
- Grell E.** see Gersch B. 2213
- Gremyachinsky D. E.** see Samoshin V. V. 3981
- Gribble G. W.** and Silva R. A.  
Synthesis of a Mexican bean beetle azamacrolide allomone via a novel lactam to lactone ring expansion 2145
- Grice I. D.** Harvey P. J.  
Jenkins I. D. Gallagher M. J. and Ranasinghe M. G.  
Phosphylation via the Mitsunobu reaction 1087
- Grice I. D.** see Adam W. 2113
- Gridnev I. D.** see Bubnov Y. N. 1317
- Grieco P. A.** Cowen S. D. and Mohammadi F.  
Synthetic studies on highly oxygenated quassinoids: total synthesis of ( $\pm$ )-14B,15B-dihydroxyklaineaneone 2699
- Grieco P. A.** DuBay W. J. and Todd L. J.  
Lithium cobalt-bis-dicarbollide catalyzed substitution reactions of allylic acetates 8707
- Grieco P. A.** see Henry, Jr K. J. 8289
- Griepink F. C.** van Beek T. A.  
Posthumus M. A.  
de Groot A. Visser J. H. and Voerman S.  
Identification of the sex pheromone of *Scrobipalpula absoluta*; determination of double bond positions in triple unsaturated straight chain molecules by means of dimethyl disulfide derivatization 411
- Grierson D. S.** see Benhida R. 1031
- Griesbeck A. G.**  
Hundertmark T. and Steinwascher J.  
Regio- and diastereoselective formation of 1,2-azidohydroperoxides by photooxygen-
- ation of alkenes in the presence of azide anions 8367
- Griesbeck A. G.** see Buhr S. 1195
- Griesinger C.** see Kock M. 363
- Griffin G.** see Riggs J. A. 6303
- Griffiths R. C.** Watson A. A. Kizu H. Asano N.  
Sharp H. J. Jones M. G.  
Wormald M. R.  
Fleet G. W. J. and Nash R. J.  
The isolation from *Nicandra physalodes* and identification of the 3-O- $\beta$ -D-glucopyranoside of 1 $\alpha$ ,2 $\beta$ ,3 $\alpha$ ,6 $\alpha$ -tetrahydroxy-nor-tropane (calystegine B<sub>1</sub>) 3207
- Griffiths R. C.** see Bell A. A. 8561
- Griffiths R. C.** see Davis B. 8565
- Griffiths R. C.** see Shilvock J. P. 8569
- Grigg R.** Loganathan V. and Sridharan V.  
Palladium catalysed cascade alkyne–arene vinylation/alkylation approach to polyfused heterocycles 3399
- Grigg R.** Putnikovic B. and Urch C. J.  
Palladium catalysed ter- and tetra-molecular queuing processes. One-pot routes to 3-spiro-2-oxindoles and 3-spiro-2(3*H*)-benzofuranones 695
- Grigg R.** Rasul R. Redpath J. and Wilson D.  
Palladium catalysed cascade bis-cyclisation–anion capture processes proceeding via allenyl-palladium(II) starter species. 1-Vinyl-3-azabicyclo[3.1.0]hexanes 4609
- Grigg R.** Sridharan V. and Terrier C.  
Palladium catalysed cyclisation-allene insertion-anion capture cascades 4221
- Grigg R.** and Savic V.  
Palladium catalysed termolecular queuing cascades. Facile cyclisation-anion capture routes to heterocyclic dienes via allene insertion processes 6565
- Grigg R.** and Xu L.-H.  
Palladium catalysed [4 + 2]-cycloaddition reactions of (2-iodoaryl)allenes 4251
- Grigg R.** see Casaschi A. 4413
- Grindley T. B.** and Namazi H.  
The regioselective synthesis of non-glycosidically linked oligosaccharides 991
- Grison C.** see Coutrot P. 1595
- Groff R.** see Wright D. L. 2165
- Grogan M. J.** see Corey E. J. 4899
- Gröger H.** Saida Y. Arai S.  
Martens J. Sasai H. and

- Shibasaki M.**  
First catalytic asymmetric hydrophosphonylation of cyclic imines: highly efficient enantioselective approach to a 4-thiazolidinylphosphonate via chiral titanium and lanthanoid catalysts 9291
- Grollman A. P.** see Varaprasad C. V. 9
- Gross E. K. M.** see Burgess L. E. 3255
- Gross Z. Inz S. Kapon M. and Cohen S.**  
First utilization of a homochiral ruthenium porphyrin as enantioselective epoxidation catalyst 7325
- Grote J.** see Adamczyk M. 7913
- Grové J. J. C. Holzapfel C. W. and Williams D. B. G.**  
Stereoselective SmI<sub>2</sub>-mediated conversion of carbohydrates into cyclopentanols 1305
- Grové J. J. C. Holzapfel C. W. and Williams D. B. G.**  
One-pot SmI<sub>2</sub>-promoted transformation of carbohydrate derivatives into cyclopentanols 5817
- Grundt P.** see Dyker G. 619
- Gstach H.** see Yan B. 8325
- Gu X. and Sponsler M. B.**  
Iodine-induced transannular coupling of 1,6-cyclodecadiyne 1571
- Gu Y.** see Zeng X. 3009
- Gu Y. G. and Bayburt E. K.**  
Synthesis of 4-alkyl-3,5-dibromo-, 3-bromo-4,5-dialkyl- and 3,4,5-trialkylpyridines via sequential metalation and metal-halogen exchange of 3,5-dibromopyridine 2565
- Guanti G.** see Banfi L. 521
- Guarna A.** see Machetti F. 4205
- Gude C.** see Bhagwat S. S. 4627
- Gude M. Piarulli U. Potenza D. Salom B. and Gennari C.**  
A new method for the solution and solid phase synthesis of chiral  $\beta$ -sulfonopeptides under mild conditions 8589
- Gudmundsdottir A. D.** see Borecka B. 2121
- Gudmundsson K. S. Drach J. C. and Townsend L. B.**  
The condensation of 2,6-dichloroimidazo[1,2-a]pyridine with ribonolactone gives a novel imidazo[1,2-a]pyridine C-nucleoside with an unexpected site of ribosylation 2365
- Gudmundsson K. S. Drach J. C. and Townsend L. B.**
- Palladium catalyzed coupling of 2,6-dichloro-3-iodoimidazo[1,2-a]pyridine and 2,3-dihydrofuran as an approach to novel imidazo[1,2-a]pyridine C-nucleosides 6275
- Guedj R.** see Farèse A. 1413
- Guéguen C. Mitchell H. J. O'Brien P. and Warren S.**  
Highly stereoselective hydroxy-alkylation, silylation and alkylation reactions of lithium derivatives of chiral phosphine oxides 7461
- Guéguen C.** see Cavalla D. 7465
- Guella G.** see N'Diaye I. 3049
- Guénard D.** see Marder R. 1777
- Guérat-Voegelein F.** see Marder R. 1777
- Guerra-Weltzien L.** see Comins D. L. 3807
- Guglielmetti G.** see Chiavetto L. B. 1091
- Guglielmetti R.** see Salemi-Delvaux C. 5127
- Guidi A. and Arcamone F.**  
Semisynthesis of a highly functionalized daunorubicin derivative 1123
- Guijarro A. Ortiz J. and Yus M.**  
*O-tert-Butyl-N-(chloromethyl)-N-methyl carbamate as a source of the MeNHCH<sub>2</sub>-synthon* 5597
- Guijarro A. and Yus M.**  
*N-(Chloromethoxy carbonyl)-pyrrolidine as a source of the HOCH<sub>2</sub>-synthon* 5593
- Guilhem J.** see Mazaleyrat J.-P. 2971
- Guilhot F.** see Caballero E. 6951
- Guillaume D.** see Charrouf-Chaichaouni Z. 5099
- Guillaume D.** see Gosmann G. 4369
- Guillaumet G.** see Viaud M.-C. 2409
- Guillemin J.-C.** see Legoupy S. 1225
- Guillerm G.** see Evina C. M. 163
- Guillou C. Millot N. Reboul V. and Thal C.**  
Synthesis of cationic 1-substituted-dicarbonyl( $\eta^5$ -4-methoxycyclohexadienyl)(triphenylphosphine)iron complexes 4515
- Guise-Zawacki L. E.** see Crimmins M. T. 6519
- Guitián E.** see González C. 405
- Gum A. G.** see Butora G. 8155
- Gung B. W. and Zhu Z.**  
Enhanced intramolecular amide-amide hydrogen bonding through cooperativity 2189
- Günther H.** see Böhler B. 8719
- Günther H.** see Böhler B. 8723
- Guo D. Jia Z. and Nes W. D.**  
Phytosterol biosynthesis: isotope effects associated with biomethylation formation to 24-alkene sterol isomers 6823
- Guo D.** see Zhou W. 1339
- Guo J.** see Jacobi P. A. 6069
- Guo L.** see Yang L. 5041
- Gupta A. K. Samal S. K. Ila H. and Junjappa H.**  
Trimethyl borate induced thermal cycloaromatization of 1-aryl-1-(prop-2-ynyl)-3,3-bis(alkylthio)-2-propen-1-ols through acetylenic oxy-Cope rearrangement 2817
- Gupta S.** see Denk M. K. 9025
- Gupta S. C. Saini A. Sharma S. Kapoor M. and Dhawan S. N.**  
A photochemical synthesis of spiropyrans 8913
- Gupton J. T.** see Yamanaka H. 1829
- Gurjar M. K. Henri, Jr J. T. Bose D. S. and Rama Rao A. V.**  
Total synthesis of a potent immunosuppressant pironetin 6615
- Gurjar M. K. Kumar P. and Venkateswara Rao B.**  
Stereocontrolled synthesis of spirocyclopropane sugars and their application to asymmetric formation of tertiary chiral centres: a route to 2,2'-dialkylated pyranose subunit (C<sub>18</sub>-C<sub>23</sub>) of lasonolide A 8617
- Gush K. A.** see Kerr R. G. 8305
- Gutierrez A. J. and Froehler B. C.**  
RNA Duplex formation by oligodeoxynucleotides containing C-5 alkyne and C-5 thiazole substituted deoxyuridine analogs 3959
- Gutiérrez C. G.** see Godjoian G. 433
- Guy P.** see Dupraz A. 1237
- Guyot M.** see Bourguet-Kondracki M.-L. 3861
- Guyot M.** see Bourguet-Kondracki M. L. 3457
- Guyot M.** see Meyer M. 4931
- Guyton S.** see El Kaim L. 375
- Guzi T. J. and Macdonald T. L.**  
A novel synthesis of piperidin-3-ones via an intramolecular Amadori-type reaction 2939
- Gwaltney, II S. L. and Shea K. J.**  
Bridged to fused ring interchange. The total synthesis of ( $\pm$ )-ledol 949
- Gyambibi I.** see Atarinkia K. 4801
- Gyarmati J.** see Kovács G. 1293

- Ha D.-C.** **Kil K.-E.** **Choi K.-S.** and **Park H.-S.** Studies on the diastereo-selective alkylation of enolate dianion of (*S*)-4-carboethoxy-methyl-2-oxazolidinone 5723
- Ha D.-C.** **Yun C.-S.** and **Yu E.** Reductive cyclization of *N*-iodoalkyl cyclic imides to nitrogen-fused polycyclic amides induced by samarium diiodide 2577
- Ha H.-J.** **Kang K.-H.** **Suh J.-M.** and **Ahn Y.-G.** A new synthesis of aziridine-2-carboxylates by reaction of hexahydro-1,3,5-triazines with alkyl diazoacetates in the presence of tin(IV) chloride 7069
- Ha S. B.** and **Nair V.** An improved approach to the synthesis of adenosine-5'-N-ethyluronamides of interest as adenosine receptor agonists 1567
- Haas Y.** see Faigal R. 3391
- Habashita H.** see Ibuka T. 2849
- Habib Jiwan J. L.** see Ayadim M. 7039
- Habus I.** see Iyer R. P. 1539
- Habus I.** see Iyer R. P. 1543
- Hachiken H.** see Miki Y. 7753
- Hachiya I.** see Kobayashi S. 2053
- Hachiya I.** see Kobayashi S. 2809
- Hachiya I.** see Kobayashi S. 4183
- Hachiya I.** see Kobayashi S. 5569
- Hachiya I.** see Kobayashi S. 7783
- Hada C.** **Banciu M. D.** **Mattalia J.-M.** and **Chanon M.** Clear cut example of preference for a 6-membered ring radical cyclisation over the homologous 5-membered ring radical cyclisation. The reaction of 5-[bromoalkyl]-5*H*-dibenzo[*a,d*]cycloheptenes with Bu<sub>3</sub>SnH 3845
- Haddad M.** and **Larchevêque M.** Asymmetric synthesis of the Abbott amino dihydroxyethylene dipeptide isostere subunit 4525
- Haddad N.** **Abramovich Z.** and **Ruhman I.** Stereoselective synthesis of spiroethers and spiroketals via photoaddition of dihydro-4-pyrones to 1,3-dioxin-4-ones 3521
- Haddad N.** and **Kuzmenkov I.** Synthesis of substituted phenols via photoaddition-fragmentation-aromatic annelation sequence 1663
- Haddad N.** see Becker D. 8941
- Haden P.** see Gerard J. 7201
- Hadida S.** see Amat M. 3071
- Hadida S.** see Amat M. 5217
- Hadimani S. B.** **Tanpure R. P.** and **Bhat S. V.** Asymmetric total synthesis of (-)-podophyllotoxin 4791
- Haenel M. W.** see Zimmermann K. 8371
- Haff L. A.** see Timofeev E. N. 8467
- Hafner K.** see Schardt S. 3829
- Hageman D. L.** see Wright S. W. 4631
- Hageman D. L.** see Wright S. W. 6965
- Hagiwara H.** and **Kato M.** Direct 1,4-addition of aldehydes to vinylketones 5139
- Hagiwara T.** **Tanaka K.** and **Fuchikami T.** Functional group transformation of  $\alpha$ -trifluoromethylated alcohol derivatives 8187
- Hagmann L.** and **Jüttner F.** Fischerellin A, a novel photosystem-II-inhibiting allelochemical of the cyanobacterium *Fischerella muscicola* with antifungal and herbicidal activity 6539
- Hahn P. J.** see Kaldor S. W. 7193
- Haigh D.** see Buck R. T. 7631
- Haigh D.** see Ferris L. 107
- Haino T.** see Chou T. 4027
- Hajek F.** **Graf E.** **Hosseini M. W.** **Delaigue X.** **De Cian A.** and **Fischer J.** Molecular tectonics—I. The first synthesis and X-ray analysis of a linear koliate obtained by self-assembly of linear koliands and hexadiyne 1401
- Hajek F.** **Graf E.** and **Hosseini M. W.** Multicavitands—IV. Synthesis of linear koliands obtained by fusion of calix[4]arene derivatives by silicon atoms 1409
- Hakimelahi G. H.** see Hwu J. R. 2035
- Halazy S.** see Perez M. 8487
- Halcomb R. L.** see Freeman-Cook K. D. 4883
- Hale K. J.** **Cai J.** and **Delisser V. M.** Asymmetric synthesis of the C(1)—C(47) backbone of antitumour antibiotic A83586C 9345
- Hale K. J.** and **Cai J.** Synthetic studies on the azinothricin family of antitumour antibiotics—V. Asymmetric synthesis of two activated esters for the northern sector of A83586C 4233
- Hale M. R.** see Young D. G. J. 827
- Hallberg A.** see Larhed M. 8219
- Halterman R. L.** and **Mei X.** Synthesis of *D*<sub>2</sub>-symmetric 5,10,15,20-tetraarylporphyrins from *C*<sub>2</sub>-symmetric benzaldehydes and achiral arylidopyromethanes 6291
- Haltiwanger R. C.** see Witty D. R. 3067
- Hama K.** see Tagawa Y. 69
- Hamachi I.** **Matsugi T.** and **Shinkai S.** Transition-metals facilitated electron transfer of semi-synthetic myoglobin bearing bis(iminodiacetic acid) moiety 9233
- Hamachi K.** **Irie R.** and **Katsuki T.** Asymmetric benzylic oxidation using a Mn-salen complex as catalyst 4979
- Hamada H.** see Itoh T. 5001
- Hamada Y.** **Seto N.** **Ohmori H.** and **Hatano K.** New monodentate chiral phosphine 2,6-dimethyl-9-phenyl-9-phosphabicyclo[3.3.1]nonane(9-PBN): application to asymmetric allylic substitution reaction 7565
- Hamada Y.** see Deng J. 2261
- Hamana M.** see Tagawa Y. 69
- Hamano K.** see Tanaka T. 7809
- Hamilton A. D.** see Zafar A. 2327
- Hammadi A.** **Ménez A.** and **Genet R.** *E/Z*-configurational assignment of *N*-acetyl- $\alpha,\beta$ -dehydrotryptophan ethyl ester produced by *L*-tryptophan 2',3'-oxidase from *Chromobacterium violaceum* 3309
- Hammond M.** see Myers A. G. 3083
- Hammond M.** see Myers A. G. 587
- Hamper B. C.** **Dukescherer D. R.** and **South M. S.** Solid-phase synthesis of proline analogs via a three component 1,3-dipolar cycloaddition 3671
- Hamper B. C.** see Kolodziej S. A. 5277
- Han S. Y.** see Park K. K. 6721
- Han Y.** **Huang Y.-Z.** and **Zhou C.-M.** An unexpected reaction between 2-aryl-1-nitro-1-alkenes and trialkylgallium compounds 3347
- Han Y.** **Walker S. D.** and **Young R. N.** Silicon directed *ipso*-

- substitution of polymer bound arylsilanes; preparation of biaryls via the Suzuki cross-coupling reaction 2703  
**Han Y.** see Liao S. 7917  
**Hanack M.** see Segura J. L. 2503  
**Hanafi N.** see Sebtí S. 6555  
**Hanaka M.** see Mukai C. 5389  
**Handa S.** see Less S. L. 3511  
**Handa S.** see Less S. L. 3515  
**Handel H.** see Gardinier I. 7715  
**Hanessian S.** Gai Y. and Wang W.  
 Stereocontrolled functionalization in acyclic systems by exploiting internal 1,2-asymmetric induction—generation of polypropionate and related motifs 7473  
**Hanessian S.** Ninkovic S. and Reinhold U.  
 The synthesis of 4,5-methano congeners of  $\alpha$ -kainic and  $\alpha$ -*allo*-kainic acids as probes for glutamate receptors 8971  
**Hanessian S.** Reinhold U. and Ninkovic S.  
 The stereocontrolled synthesis of enantiopure  $\alpha$ -methano heterocycles and constrained amino acid analogs 8967  
**Hanessian S.** Tehim A.  
**Meng Q.** and **Granberg K.**  
 A remarkably facile and stereochemically controlled fragmentation reaction in the hygrolide group of macrolide antibiotics 9001  
**Hanessian S.** Wang W. and Gai Y.  
 Stereocontrolled sequential functionalization in acyclic systems by exploiting internal 1,2-asymmetric induction—generation of symmetry-related polyamino alcohol motifs 7477  
**Hanessian S.** and Devasthalé P. V.  
 Generation of functional diversity via nitroaldol condensations of  $\alpha$ -aminoacid aldehydes—a new and stereocontrolled route to acyclic 1,3-diamino-2-alcohols 987  
**Hanessian S.** and Yang R.-Y.  
 The asymmetric synthesis of allylglycine and other unnatural  $\alpha$ -amino acids via zinc-mediated allylation of oximes in aqueous media 5273  
**Hanessian S.** and Yang R.-Y.  
 Solution- and solid-phase synthesis of 5-alkoxy-hydantoin libraries with a three-fold functional diversity 5835  
**Hanessian S.** and Yang R.-Y.  
 Enantioselective allylation of  $\alpha$ -ketoester oximes with an external chiral ligand: asymmetric synthesis of allylglycines and allylalanine 8997  
**Hanisch C.** see Coudret J. L. 2425  
**Hanna I.** Prangé T. and Zeghdoudi R.  
 Synthesis of a highly functionalized AB taxane ring system using 1,4-dioxene 7013  
**Hanna M. R.** see Cebula R. E. J. 8341  
**Hanna N. B.** see Reddy M. P. 8691  
**Hanon-Aragon K. A.** see West C. A. 9135  
**Hansen H. C.** Hindsgaul O. and Bois M.  
 Synthesis of tributyltin-methylated sugars, building blocks for tethered reactions 4211  
**Hansen K. B.** see McClure C. K. 2149  
**Hansen L. T.** see Bois M. 2097  
**Hanson M. V.** see Kim S.-H. 2197  
**Hanxing L.** see Alvarez E. 2865  
**Hao X.-J.** see Dai W.-M. 5971  
**Hao X.-J.** see Fuji K. 7373  
**Haque M. B.** and **Roberts B. P.**  
 Enantioselective radical-chain hydrosilylation of prochiral alkenes using optically active thiol catalysts 9123  
**Hara O.** see Fuji K. 389  
**Hara S.** Chen S.-Q., Hoshio T., Fukuhara T. and Yoneda N.  
 Electrochemically induced fluorinating ring expansion of cycloalkylideneacetates 8511  
**Harada K.** Fujii K., Hayashi K., Suzuki M., Ikai Y. and Oka H.  
 Application of D,L-FDLA derivatization to determination of absolute configuration of constituent amino acids in peptide by advanced Marfey's method 3001  
**Harada T.** see Ikeda A. 1621  
**Haramiishi K.** see Shuto S. 187  
**Harano K.** see Eto M. 2445  
**Harayama H.** Okuno H., Takahashi Y., Kimura M., Fugami K., Tanaka S. and Tamari Y.  
 Chemoselective intramolecular aminocarbonylation of unsaturated amides under Wacker-type conditions 7287  
**Hardy G. W.** see Shaw-Ponter S. 1867  
**Harger M. J. P.**  
 Nucleophilic substitution in benzylic phosphonothioic dichlorides formation of a diamide without intervention of the amidic chloride 8247  
**Harigaya Y.** see Konda Y. 4015  
**Harkema S.** see Boerrigter H. 5167  
**Harm A. M.** Knight J. G. and Stemp G.  
 Asymmetric copper-catalysed alkene cyclopropanation and aziridination using tartrate-derived bis-oxazoline ligands 6189  
**Harmata M.** Carter K. W., Jones D. E. and Kahraman M.  
 The metallation of Troeger's base 6267  
**Harmata M.** and **Jones D. E.**  
 Intramolecular 4 + 3 cycloadditions. Vinylthionium ions from allylic alcohols 783  
**Harms A. E.** see Trost B. M. 3971  
**Harris B. D.** see Zhang H.-C. 7897  
**Harris W.** see Dinh P. M. 7623  
**Harrison B.** Talapatra S., Lobkovsky E., Clardy J. and Crews P.  
 The structure and biogenetic origin of (–) halicyclamine B from a *Xestospongia* sponge 9151  
**Harrison L. J.** see Venkatraman G. 2643  
**Harrison T.** see Hodgson D. M. 4623  
**Harowven D. C.** and Dainty R. F.  
 A sliding cyclohexane rearrangement mediated by zirconium tetrachloride 3607  
**Harowven D. C.** and Dainty R. F.  
 Zirconium tetrachloride as a mediator for ambient temperature *ortho*-Fries rearrangements 7659  
**Harowven D. C.** and Poon H. S.  
 Changing course with an additive: a striking example of the effect of TMSCl on lithium amide reactivity 4281  
**Hart A.** see Chu M. 3943  
**Hart A.** see Chu M. 7229  
**Hart D. J.** and **Wu W.-L.**  
 Observations regarding the first step of the Julia–Lythgoe olefin synthesis 5283  
**Hartzoulakis B.** Rutherford T. J., Ryan M. D. and Gani D.  
 Synthesis and properties of a biocompatible analogue for  $\beta$ -turn protein structural motifs based on 5-amino-3-pentyanoic acid 6911  
**Harvey P. J.** see Grice I. D. 1087  
**Harvey T.** see Andrews I. P. 4811  
**Harwood L. M.** Tucker T. T., Angell R. and Finch H.  
 A novel synthetic route to

- morpholin-2,3-diones from 2-aminoalcohols 4217  
**Hase Y.** see Shuto S. 641  
**Hasegawa E.** *Kato T.*  
*Kitazume T.* Yanagi K.  
*Hasegawa K.* and  
*Horaguchi T.*  
 Photoinduced electron transfer reactions of  $\alpha,\beta$ -epoxy ketones with 2-phenyl-*N,N*-dimethylbenzimidazoline (PDMBI): significant water effect on the reaction pathway 7079  
**Hasegawa E.** see Kamata M. 3483  
**Hasegawa E.** see Kamata M. 7779  
**Hasegawa J.** see  
*Yoshimatsu M.* 7381  
**Hasegawa K.** see Hasegawa E. 7079  
**Haseltine J.** see Fan Y.-H. 9279  
**Hashimoto H.** see Imamura M. 1451  
**Hashimoto H.** see Izumi M. 1809  
**Hashimoto H.** see Suzuki K. 5921  
**Hashimoto K.** *Kitaguchi J.*  
*Mizuno Y.* Kobayashi T. and  
*Shirahama H.*  
 A new reagent for the preparation of chiral HMGA (3-hydroxy-3-methylglutaric acid) esters and amides. Synthesis of (*R*)- and (*S*)- $\beta$ -carboxymethyl- $\beta$ -methyl- $\beta$ -lactones by asymmetric desymmetrization of HMGA anhydride 2275  
**Hashimoto M.** see  
*Yamamura K.* 4965  
**Hashimoto M.** see Yoshino T. 3475  
**Hashimoto N.** *Kawamura S.*  
*Ishizuka T.* and *Kunieda T.*  
 Reversal of stereoselection in diastereodivergence of *meso*-dicarboxylic anhydrides 9237  
**Hashimoto S.** see Makino K. 9073  
**Hashimoto S.** see Makino K. 9077  
**Hashimoto S.** see Mori K. 8523  
**Hashimoto T.** see Kouda K. 4541  
**Hashimoto T.** see Liu H.-J. 9307  
**Hashimoto T.** see Morita H. 3739  
**Hashimoto Y.** see Liu C. 6177  
**Haskins N. J.** see New A. P. 3039  
**Hassner A.** see  
*Balasubramanian T.* 5755  
**Hatakeyama D.** see Kadota I. 3059  
**Hatakeyama S.** *Fukuyama H.*  
*Mukugi Y.* and *Irie H.*  
 Total synthesis of (+)-conagenin 4047  
**Hatakeyama S.** *Fukuyama H.*  
*Mukugi Y.* and *Irie H.*  
*Corrigendum* 4287  
**Hatanaka K.** *Morita Y.*  
*Ohba T.* Yamaguchi K.  
*Takui T.* Kinoshita M. and  
*Nakasuji K.*  
 Detection of new neutral radicals: 2-phenyl- and 2-*p*-methoxyphenyl-3-oxophenalenoxyl radicals 873  
**Hatanaka K.** *Morita Y.*  
*Ohba T.* Yamaguchi K.  
*Takui T.* Kinoshita M. and  
*Nakasuji K.*  
 Dimer formation and detection of neutral radical: 2,5-dimethyl-6-oxophenalenoxyl radical 877  
**Hatanaka M.** *Ishida A.*  
*Tanaka Y.* and *Ueda I.*  
 Single-step synthesis of cyclopentenones from (3-alkoxycarbonyl-2-oxo-propylidene)triphenylphosphorane and 1,2-diacylethylenes 401  
**Hatanaka M.** *Ueno F.* and  
*Ueda I.*  
 Synthesis of ( $\pm$ )-pentalenene via regioselective intramolecular Diels-Alder reaction of trisubstituted cyclopentadiene 89  
**Hatanaka M.** see Islam Md. S. 5735  
**Hatano K.** see Harnada Y. 7565  
**Hattori T.** *Koike N.* Okaishi Y. and Miyano S.  
 Highly stereospecific conversion of planar chirality of a cyclophane into axial chirality of binaphthyls 2057  
**Hauck S. I.** see Jacobi P. A. 6069  
**Haufe G.** see Ernet T. 7251  
**Haugan J. A.**  
 First total synthesis of (all-*E*)-(3S,5*R*,6*R*)-paracentrone 3887  
**Haugland R. P.** see Gee K. R. 7905  
**Hayakawa I.** see Toyota A. 8507  
**Hayakawa R.** *Shimizu M.* and  
*Fujisawa T.*  
 Ethyl (*R*)-3-hydroxy-4-phenylthiobutyrate: synthesis by the Baker's yeast reduction and use as a precursor of enantiomerically pure  $\beta$ -lactam 7533  
**Hayakawa Y.** *Yamamoto H.*  
*Tsuge N.* and *Seto H.*  
 Structure of a new microbial metabolite, neuchromenin 6363  
**Hayase T.** see Shibata T. 8783  
**Hayashi K.** see Harada K. 3001  
**Hayashi M.** see Murakami M. 7541  
**Hayashi M.** see Yoshimatsu M. 4161  
**Hayashi N.** *Fujiwara K.* and  
*Murai A.*  
 Fused cyclic ether formations from bromo-diepoxides by AgOTf-promoted successive ring expansion reactions 6173  
**Hayashi T.** *Kishi E.*  
*Soloshonok V. A.* and  
*Uozumi Y.*  
*erythro*-Selective aldol-type reaction of *N*-sulfonylaldimines with methyl isocyanoacetate catalyzed by gold(I) 4969  
**Hayashi T.** see Kamikawa T. 3161  
**Hayashi T.** see Kitayama K. 4169  
**Hayashi T.** see  
*Soloshonok V. A.* 7845  
**Hayashi T.** see Takai K. 7049  
**Hayashi Y.** see Kuramoto M. 3867  
**Hayes C. J.** and *Pattenden G.*  
 $\alpha$ -Ketene alkyl and  $\alpha,\beta$ -unsaturated acyl radical intermediates in ring constructions 271  
**Hayes C. J.** see Foote K. M. 275  
**Hayes P.** *Dujardin G.* and  
*Maignan C.*  
 $(S)$ - $(+)$ -3-*p*-Tolylsulfinylbut-3-en-2-one: a spectacular oxabutadiene for asymmetric cycloaddition of styrenic compounds 3687  
**Haynes R. K.** *Lam W. W.-L.* and *Yeung L.-L.*  
 Stereoselective preparation of functionalized tertiary P-chiral phosphine oxides by nucleophilic addition of lithiated *tert*-butylphenyl-phosphine oxide to carbonyl compounds 4729  
**Haynes R. K.** and  
*Vonwiller S. C.*  
 The behaviour of qinghaosu (artemisinin) in the presence of heme iron(II) and (III) 253  
**Haynes R. K.** and  
*Vonwiller S. C.*  
 The behaviour of qinghaosu (artemisinin) in the presence of non-heme iron(II) and (III) 257  
**Haynes R. K.** see Lam W. W.-L. 4733  
**Hazra N. K.** see Mal D. 2641  
**Headley A. D.** *Patel B.* and  
*Cheung E. T.*  
 Solvation effects on the tautomerization of *N,N*-dimethylvaline 6673  
**Heaney F.** see McKiernan M. T. 4597  
**Heaney H.** *Shuaibar K. F.* and *Slawin A. M. Z.*  
 The capture of acetonitrile during a Bischler-Napieralski

- cyclisation reaction of an oxamide derivative 4275
- Heap C. R.** see Burke S. D. 343
- Heath P. C.** see Audia J. E. 4121
- Heckhoff S.** see Gillmann T. 839
- Heckmann B., Mioskowski C., Bhatt R. K. and Falck J. R.** Grignard additions to  $\alpha,\beta$ -unsaturated dioxolanones: preparation of chiral allylic alcohols and protected  $\alpha$ -hydroxy aldehydes 1421
- Heckmann B., Mioskowski C., Lumin S., Falck J. R., Wei S. and Capdevila J. H.** Chiral acetals: stereo-controlled synthesis of 16-, 17-, and 18-hydroxyeicosatetraenoic acids, cytochrome P-450 arachidonate metabolites 1425
- Heeg M. J.** see Rigby J. H. 2553
- Heer J. P.** see Page P. C. B. 2515
- Heid, Jr R. M.** see Devine P. N. 2683
- Heiligenstädt N.** see Dehmow E. V. 5363
- Heitz A.** see Paris M. 8489
- Helal C. J.** see Corey E. J. 4837
- Helal C. J.** see Corey E. J. 5675
- Heilmchen G.** see Langer T. 1381
- Hemmings D. A.** see Malpass J. R. 3911
- Hena M. A.** see Kiyooka S. 2597
- Hénin J.** see Noé E. 5701
- Hénin J.** see Noé E. 8823
- Hennard C.** see Wong-Lun-Sang S. 3329
- Hennig L.** see Kempin U. 5087
- Henri, Jr J. T.** see Gurjar M. K. 6615
- Henry G. E., Jacobs H., Carrington C. M. S., McLean S. and Reynolds W. F.** Plukenetione A. An unusual adamanyl ketone from *Clusia plukenetiae* (guttiferae) 8663
- Henry S. S.** see Pryde D. C. 3243
- Henry, Jr K. J., Grieco P. A. and DuBay W. J.** A novel approach to iboga alkaloids: total synthesis of ( $\pm$ )-ibogamine and ( $\pm$ )-*epi*-ibogamine 8289
- Henschke J. P. and Rickards R. W.** Biomimetic synthesis of the microbial elicitor syringolide 2 3557
- Henssen C. L. A.** see Tjarks W. 6905
- Henze B., Marquis D., Marsau P., Cotrait M. and Desvergne J. P.** Synthesis and cation complexing properties of a new dissymmetrical fluorescent coronand 5499
- Heo P.-Y., Shin K. and Lee C.-H.** Stepwise syntheses of core-modified, *meso*-substituted porphyrins 197
- Heo P.-Y., Shin K. and Lee C.-H.** Corrigendum 1521
- Hepworth J. D.** see Gabbutt C. D. 1313
- Héraut D. A.** see Berkessel A. 355
- Herbert R. B.** see Bradley E. L. 7329
- Herbert R. B.** see Bradley E. L. 6935
- Hercouet A., Bessières B., Le Corre M. and Toupet L.** Synthesis of optically active 2,3-methanopipeolic acid 4529
- Herczegh P.** see Kovács-Kulyassa A. 2499
- Herdewijn P.** see Andersen M. W. 8147
- Herlem D., Ouazzani J. and Khuong-Huu F.** Chemistry of larixol—I. Degradation of the side-chain and microbial hydroxylation 1241
- Hermann C.** see Hong B. 583
- Hernández R., Velázquez S. M., Suárez E. and Prangé T.** Fragmentation of peroxyhemiacetals. Stereoselective synthesis of 1,2-dioxolanes 6409
- Hernandez S., Kirchhoff M. M., Swartz, Jr S. G. and Johnson R. P.** 1,2,3-Cyclooctatriene 4907
- Herndon J. W.** see Hill D. K. 1359
- Heron B. M.** see Gabbutt C. D. 1313
- Herradón B.** see Valverde S. 1105
- Herradura P.** see Jacobi P. A. 8297
- Herranz R.** see Martín-Martínez M. 2471
- Herranz R.** see Suárez-Gea M. L. 2083
- Herrera C. J.** see Mayer J. P. 5633
- Herrero S.** see Suárez-Gea M. L. 2083
- Herrick R. S., Jarret R. M., Curran T. P., Dragoli D. R., Flaherty M. B., Lindyberg S. E., Slate R. A. and Thornton L. C.** Ordered conformations in bis(amino acid) derivatives of 1,1'-ferrocenedi-carboxylic acid 5289
- Herrmann D., Bisseret P., Connan J. and Rohmer M.** Relative configurations of carbapseudopentose moieties of hopanoids of the bacterium *Zymomonas mobilis* and the cyanobacterium '*Anacystis montana*' 1791
- Herzog K. J.** see McClure C. K. 2153
- Heupel F. A.** see Baldwin J. E. 6919
- Heuser A.** see Waldmann H. 8725
- Hext N. M.** see Mascal M. 131
- Hibbs D. E.** see Black G. P. 6943
- Hibino S.** see Choshi T. 2593
- Hiemstra H.** see Bernabé P. 3561
- Hiemstra H.** see Louwrier S. 905
- Hiemstra H.** see Luker T. 8257
- Higa T.** see Jefford C. W. 159
- Higa T.** see Tanaka J. 5535
- Higashi K.** see Hori H. 2785
- Higuchi H., Hiraiwa N., Kondo S., Ojima J. and Yamamoto G.** 5,10-Dimethyl[13]annulenone: the first monocyclic annulenone larger than tropone 2601
- Higuchi H., Koyama H., Yokota H. and Ojima J.** Solvent effect on the bathochromic shifts of push-pull dihexylbithiophenes with head-to-head and head-to-tail orientations 1617
- Higuchi K.** see Ishikawa T. 4393
- Higuchi R.** see Sugata T. 2613
- Hildreth J. E. K.** see Suhara Y. 4827
- Hildreth J. E. K.** see Suhara Y. 1575
- Hildreth J. E. K.** see Suhara Y. 2549
- Hill D. K. and Herndon J. W.** Conformational requirements of a stereospecific three- to five-carbon ring expansion reaction 1359
- Hill D. R., Celebuski J. E., Pariza R. J., Chorghade M. S., Levenberg M., Pagano T., Cleary G., West P. and Whittern D.** Novel macrolides via *meso*-tetraarylmetalloporphyrin assisted oxidations 787
- Hilvert D.** see Kast P. 2691
- Hindsgaul O.** see Hansen H. C. 4211
- Hintz S., Fröhlich R. and Mattay J.** PET-Oxidative cyclization of unsaturated silyl enol ethers.

- Regioselective control by solvent effects** 7349  
**Hiouni A. and Duhamel L.**  
 2,2-Di(ethoxy)vinyllithium: reactions with carbonyl compounds 5507  
**Hiraga Y.** see Ohta S. 2265  
**Hiraga Y.** see Ohta S. 7765  
**Hirai S.** see Mukai C. 5389  
**Hiraiwa N.** see Higuchi H. 2601  
**Hirama M.** see Iida K. 4997  
**Hirama M.** see Reddy R. S. 9335  
**Hirama M.** see Sato I. 5135  
**Hirama S.** see Ueyama K. 2045  
**Hirano T.** see Mimaki Y. 1245  
**Hiranuma S.** see Shimizu T. 6145  
**Hirao T.** see Zhang W. 4545  
**Hirashita T.** see Araki S. 8417  
**Hirata F.** see Ueoka R. 3461  
**Hirohara M.** see Arai Y. 4381  
**Hirosawa C.** Wakasa N. and Fuchikami T.  
 Hydrogenation of amides by the use of bimetallic catalysts consisting of group 8 to 10, and group 6 or 7 metals 6749  
**Hirosawa T.** see Iwasaki Y. 6753  
**Hirota H.** see Tsukamoto S. 1439  
**Hirota H.** see Tsukamoto S. 5555  
**Hiroya K.** see Kamikubo T. 499  
**Hirschmann R.** Yao W.  
 Arison B., Maechler L., Rosegay A., Sprengeler P. A. and Smith, III A. B.  
 The first synthesis of a tricyclic homodetic peptide employing coordinated orthogonal protection 5637  
**Hisamatsu M.** see Teranishi K. 8425  
**Hitchcock P. B.** see Davies G. M. 5601  
**Hitchcock P. B.** see Galt R. H. B. 8035  
**Hitotsuyanagi Y.** see Takano I. 7053  
**Hiyama T.** see Furuta S. 7983  
**Hiyama T.** see Shimizu M. 7387  
**Hlasta D. J.** see Court J. J. 1335  
**Ho D. M.** see Atkins J. H. 7217  
**Ho D. M.** see Barnett-Thamattoor L. 7221  
**Ho D. M.** see Pascal, Jr R. A. 8125  
**Ho N.-H.** see Iyer R. P. 1539  
**Hoang A.** see Czernecki S. 8857  
**Hoberg J. O.** and Claffey D. J. Corrigendum 3217  
**Hoberg J. O.** and Claffey D. J. Cyclopropanation of unsaturated sugars with ethyl diazoacetate 2533  
**Hocquemiller R.** see Duret P. 7043  
**Hocquemiller R.** see Gleye C. 9301  
**Hodgson D. M.** Bailey J. M. and Harrison T.  
 A cycloaddition–rearrangement approach to the squalenolactins 4623  
**Hodgson D. M.** and Comina P. J.  
 A remarkable base-induced rearrangement of epoxydisilanes 5613  
**Hoemann M. Z.** Agrios K. A. and Aubé J.  
 Total synthesis of curacin A 953  
**Hofer K. G.** see Yang L.-X. 6081  
**Hoffman R. V.** Patonay T., Nayyar N. K. and Tao J.  
 A short enantiospecific synthesis of a protected *seco* acid precursor to (*R,R*)-(–)-pyrenophorin 2381  
**Hoffmann H. M. R.** see Lampe T. F. J. 7695  
**Hoffmann L.** see Klein D. 7519  
**Hoffmann N.** and Pete J.-P.  
 Acid catalyzed intramolecular photochemical reactions of 3-alkenylxylophenols 2027  
**Hoffmann R. W.** and Kahrs B. C.  
 Heptan-1,3,5,7-tetrol-diacetone, flexible backbone segments with a marked conformational preference 4479  
**Hofmann C.** see Knölker H.-J. 7947  
**Hofmann J.** Schulz K. and Zimmermann G.  
 Thermal ring enlargement of aromatic cyclopentadienylidene iminyl radicals. Intramolecular radical addition to the N atom of nitriles results in high yields of aza-aromatics 2399  
**Hofsäßken N.** Flock S., Skattebol L.  
 Michael additions to 3(2*H*)-thiophenone 1,1-dioxide 119  
**Hogan E. M.** see MacDonald A. A. 4815  
**Hogan M. E.** see Lamture J. B. 6483  
**Hohman J. R.** Givens R. S., Carlson R. G. and Orosz G.  
 Synthesis and chemiluminescence of a protected peroxyoxalate 8273  
**Hojo H.** Kojima T., Yamauchi K. and Kinoshita M.  
 Synthesis and liposome-formation of a thermostable lipid bearing cell adhesion peptide sequence 7391  
**Hojo M.** Aihara H., Ito H. and Hosomi A.  
 'Tailor-made' carbonyl ylides: [3 + 2] cycloaddition of the parent and optionally substituted nonstabilized carbonyl ylides 9241  
**Holler M.** see Goto K. 3141  
**Hollinshead S. P.**  
 Stereoselective synthesis of highly functionalised pyrrolidines via 1,3-dipolar cycloaddition reactions on a solid support 9157  
**Holme D. W.** see Audia J. E. 4121  
**Holmes R. E.** see Neel D. A. 4891  
**Holy A.** see Dvoráková H. 1285  
**Holzapfel C. W.** and van der Merwe T. L.  
 Palladium-catalysed [3 + 2]-cycloaddition reactions employing sulphonyl-activated unsaturated carbohydrate derivatives 2303  
**Holzapfel C. W.** and van der Merwe T. L.  
 Nitro-activated double bonds in Pd(0)-catalysed [3 + 2]-cycloaddition reactions 2307  
**Holzapfel C. W.** see Grové J. J. C. 1305  
**Holzapfel C. W.** see Grové J. J. C. 5817  
**Hombrecher H. K.** see Vicente M. G. H. 261  
**Honda K.** see Ushio-Sata N. 225  
**Hondo T.** see Miura K. 487  
**Hondo T.** see Miura K. 8539  
**Hong B.** Fox M. A., Maier G. and Hermann C.  
 Electrochemical oxidation of two silyl-substituted tetrahedranes 583  
**Hong B.** and Sun S.  
 [6 + 3] Cycloaddition of fulveneketene acetal 659  
**Hong J.** see Noh D.-Y. 7603  
**Hong J.-I.** see Lee S. B. 8501  
**Hong J. Y.** see Kim D. 1433  
**Hooper G. J.**  
 Davies-Coleman M. T., Kelly-Borges M. and Coetzee P. S.  
 New alkaloids from a South African latrunculid sponge 7135  
**Hopke J.** see Schierle K. 8715  
**Hopper D. W.** Catalano J. G. and Macdonald T. L.  
 Facile synthesis of lysophospholipids containing unsaturated fatty acid chains 7871  
**Horaguchi T.** see Hasegawa E. 7079  
**Hori H.** Higashi K., Ishiyama T., Uramoto M., Uehara Y. and Oki T.  
 Structure of angelmanin B, a novel *sic* signal transduction inhibitor 2785  
**Hori H.** see Sato K. 2799  
**Hori K.** Kodama H., Ohta T. and Furukawa I.

- Palladium-catalyzed asymmetric 1,3-dipolar cycloaddition of nitrones to olefins 5947
- Hori Y. see Oriyama T. 8543
- Horie O. see Neeb P. 9297
- Horikawa C. see Matsumura Y. 5715
- Horikawa C. see Matsumura Y. 8063
- Horikawa H. see Sakurai O. 7811
- Horita K. see Matsushima T. 385
- Hormozdiari P. and Gani D.** Highly efficient solid-phase phosphopeptide synthesis using bis-(polyfluorophenyl) chlorophosphates: preparation of serine-threonine protein phosphatase substrates 8227
- Horn T. Chaturvedi S.**
- Balasubramaniam T. N. and Letsinger R. L. Oligonucleotides with alternating anionic and cationic phosphoramidate linkages: synthesis and hybridization of stereo-uniform isomers 743
- Horne D. A. see Xu Y. 8121
- Horner J. H. see Tronche C. 5845
- Horns S. see Czernecki S.** 4003
- Horton D. see Norris P. 3925
- Horváth A.** Catalysis and regioselectivity in the Michael addition of azoles. Kinetic versus thermodynamic control 4423
- Horváth J. see Skoda-Földes R. 2085
- Hosangadi B. D. and Dave R. H.** An efficient general method for esterification of aromatic carboxylic acids 6375
- Hoshina Y. see Togo H. 6129
- Hoshino M. see Seto H. 4179
- Hoshino Y. see Murakami M. 7541
- Hoshio T. see Hara S. 8511
- Hosokawa S. see Kawagishi H.** 7399
- Hosomi A. see Hojo M. 9241
- Hosomi A. see Miura K. 487
- Hosomi A. see Miura K. 8539
- Hosomi A. see Miura K. 9059
- Hosoya T. Ohashi Y. Matsumoto T. and Suzuki K.** On the stereochemistry of aryl C-glycosides: unusual behavior of bis-TBDPS protected aryl C-oligosides 663
- Hosoya Y. Adachi H. Nakamura H. Nishimura Y. Naganawa H. Okami Y. and Takeuchi T.** The structure of diphenazithionin, a novel antioxidant from *Streptomyces griseus* ISP 5236 9227
- Hossain M. A. see Farina V.** 6997
- Hosseini M. W. Brand G. Schaeffer P. Ruppert R. De Cian A. and Fischer J.** Molecular tectonics—II. Synthesis of molecular sheets by self-assembly of complementary molecular units in the solid state 1405
- Hosseini M. W. see Hajek F.** 1401
- Hosseini M. W. see Hajek F.** 1409
- Hosseini M. W. see Mislin G.** 4503
- Hosseini M. W. see Schneider R.** 4721
- Hossler K. A. see Riggs J. A.** 6303
- Hou X.-L. see Wang D.-K. 4187
- Houille O. Schmittberger T. and Uguen D. A remarkably simple process for monoprotecting diols 625
- Houk K. N. see de Pascual-Teresa B. 1759
- Houkawa T. Ueda T.**
- Sakami S. Asaoka M. and Takei H. Complementary diastereoselective  $\beta$ -acylation of  $\alpha$ -methylbutanamide 1045
- Hoveyda A. H. see Morken J. P.** 3613
- Hoveyda A. H. see Young D. G. J.** 827
- Howard J. A. K. see Batsanov A. S.** 2491
- Howard K. J. see Jones R. C. F.** 1707
- Howard K. J. see Jones R. C. F.** 1711
- Howarth J. and Gillespie K.** Investigations into the use of niobium and tantalum complexes as Lewis acids 6011
- Howarth J. A. see Crowley P. J.** 5975
- Howarth J. A. see Dinh P. M.** 7623
- Howell A. R. Fan R. and Truong A.** Preparation of 2-alkylidene oxetanes: an investigation of the Paterno-Büchi reaction between aliphatic aldehydes and alkenes 8651
- Howellis M. E. see Ackland M. J.** 691
- Howes P. D. and Smith P. W.** Sialidase inhibitors related to GG167: synthesis of analogues via an inverse demand hetero Diels-Alder reaction 6595
- Hoye T. R. and Chen M.** Total synthesis of (*ent*)-korupensamine D 3099
- Hoye T. R. and Mi L.** Total syntheses of korupensamine C and ancistrobrevine B 3097
- Hoye T. R. see Gassman P. G.** 439
- Hoz S. see Sella A.** 5573
- Hruby V. J. see Liao S. 1563
- Hruby V. J. see Liao S. 7917
- Hsu C.-H. see Chou S.-S. P.** 5373
- Hu B. see Barton D. H. R.** 1133
- Hu B. see Barton D. H. R.** 1755
- Hu B. see Barton D. H. R.** 8329
- Hu T. Curtis J. M. Walter J. A. and Wright J. L. C.** Characterization of biologically inactive spirolides E and F: identification of the spirolide pharmacophore 7671
- Hu Y. Skalitzky D. J. and Rychnovsky S. D.** Prins cyclization of 4-allyl-1,3-dioxanes prepared from 1,3-diol synths. A rapid entry into functionalized tetrahydropyrans 8679
- Hua T. D. Rolland-Fulcrand V. Lazaro R. Vialefont P. Lefranc M.-P. and Weill M.** Detection of enzyme activity at trace levels: a new perspective for the direct screening of active catalytic antibodies 175
- Huang H. and Platz M. S.** Intermolecular chemistry of a cyclopropylcarbene and its mechanistic implications 8337
- Huang J.-Y. see Chou S.-S. P.** 7279
- Huang J. J. see Spaltenstein A.** 1343
- Huang S. see Crimmins M. T.** 6519
- Huang S. see Kant J.** 6495
- Huang S.-C. see Wu T.-S.** 7819
- Huang W.-Y. see Yu H.-B.** 7999
- Huang X. and Wang Y.-P.** Stereoselective synthesis of (*Z*)- or (*E*)- $\beta$ -bromovinyl tellurides and their application in the synthesis of trisubstituted alkenes 7417
- Huang X. see Shi G.** 5401
- Huang Y. see Breslow R.** 2541
- Huang Y.-Z. see Han Y.** 3347
- Huang Z. see Taylor S. D.** 8089
- Huber E. W. see Waid P. P.** 4091
- Huber R. S. see Jones G. B.** 3643
- Hübner J. see Galley G.** 6307
- Hudlicky T. see Butora G.** 8155
- Hudner J. F. see Andrews I. P.** 4811
- Hudnott A. R. see Dinh P. M.** 7623
- Hudson R. D. A. Osborne S. A. Roberts E. and Stephenson G. R.** Long-range asymmetric

- induction by conjugate addition to alkenylcyclohexadienyliron complexes 9009
- Hueso-Rodríguez J. A.** see New A. P. 3039
- Huet F.** see Gourdel-Martin M.-E. 7745
- Huff B. E.** LeTourneau M. E. Staszak M. A. and Ward J. A. Protection, metalation, and electrophilic substitution of 5-methyl tetrazole 3655
- Hughes A. D.** Price D. A. Shishkin O. and Simpkins N. S. Diastereoselective enolate chemistry using atropisomeric amides 7607
- Hughes D. L.** see Cai D. 2537
- Hughes D. L.** see Senanayake C. H. 3271
- Hughes I.** Application of polymer-bound phosphonium salts as traceless supports for solid phase synthesis 7595
- Hüls D.** see Böhler B. 8719
- Hummel W.** see Seelbach K. 1377
- Humphrey G. R.** see Miller R. A. 3429
- Humphrey G. R.** see Wells K. M. 6439
- Hundertmark T.** see Griesbeck A. G. 8367
- Hung S.-C. and Wong C.-H.** Synthesis of glycosyl chlorides with acid-labile protecting groups 4903
- Hung S.-C.** see Alper P. B. 6029
- Hungate R. W.** Chen J. L. Starbuck K. E.
- Macaluso S. A.** and Rubino R. S. New cytochalasins: synthetic studies of a novel HIV-1 protease inhibitor 4113
- Hunkler D.** see Mathew T. 4491
- Hunter C. A. and Sarson L. D.** Azobenzene-porphyrins 699
- Huppé S.** see Boivin J. 8735
- Hurley T. B.** see Sammakia T. 4427
- Hursthouse M. B.** see Black G. P. 6943
- Hury D. M.** see Liu A. 3785
- Hussain N.** see Andrews I. P. 4811
- Husson H.-P.** see Besson L. 3307
- Husson H.-P.** see Gosmann G. 4369
- Husson H.-P.** see Micouin L. 849
- Hutchens T. W.** see Voivodov K. I. 5669
- Hutchins S. M.** and Chapman K. T. Solid phase synthesis of tetrahydroisoquinolines and tetrahydroimidazopyridines 4865
- Hutchins S. M.** and Chapman K. T. Fischer indole synthesis on a solid support 4869
- Hutchison D. R.** Nayyar N. K. and Martinelli M. J. A simple and general synthesis of 4-oxo-4,5,6,7-tetrahydroindoles via a novel intramolecular 1,3-dipolar cycloaddition approach 2887
- Hutton G.** see Adger B. 6399
- Huynh-Dinh T.** see Kreimeyer A. 8739
- Hwang C.-K.** see Bennani Y. L. 8109
- Hwang J.-T.** see Crich D. 3105
- Hwang S.-W.** Adiyaman M. Khanapure S. P. and Rokach J. Total synthesis of 12-*epi*-PGF<sub>2α</sub> 779
- Hwang S.-W.** see Adiyaman M. 4849
- Hwu C.-C.** see Lai M.-L. 6149
- Hwu J. R.** Jain M. L. Tsay S.-C. and Hakimelahi G. H. Ceric ammonium nitrate in the deprotection of *tert*-butoxycarbonyl group 2035
- Iacuone A.** see Cardelluccio C. 6017
- Iadonisi A.** see Adinolfi M. 5007
- Iadonisi A.** see Adinolfi M. 5987
- Ibarzo J.** see Ortúñoz R. M. 4059
- Ibrahim-Ouali M.** Sinibaldi M.-E. Troin Y. and Gramain J.-C. Photocyclization of enaminosteres: access to 2,3-dihydro-indoles spiroimides 37
- Ibuka T.** Akaji M. Mimura N. Habashita H. Nakai K. Tamamura H. Fujii N. and Yamamoto Y. A thermodynamic preference of chiral *cis*-γ,δ-epirimo-(E)-α,β-unsaturated esters over other stereoisomers: synthetically useful Pd(0)-catalyzed equilibrated reactions of aziridines bearing an α,β-unsaturated ester group 2849
- Ichihara A.** see Jiao Y. 1039
- Ichihara A.** see Nara S. 6745
- Ichihara A.** see Oikawa H. 6169
- Ichihara A.** see Toshima H. 5707
- Ichikawa J.** Fujiwara M. Nawata H. Okauchi T. and Minami T. Novel 2,2-difluorovinylzirconocene: a facile synthesis of monosubstituted *gem*-difluoroolefins via its cross-coupling reaction 8799
- Ichikawa M.** see Igarashi Y. 2707
- Ichikawa M.** see Igarashi Y. 4827
- Ichikawa M.** see Suhara Y. 2549
- Ichikawa Y.** see Igarashi Y. 2707
- Ichikawa Y.** see Igarashi Y. 4827
- Ichikawa Y.** see Suhara Y. 1575
- Ichikawa Y.** see Suhara Y. 2549
- Ichikawa Y.** see Suhara Y. 4827
- Ichimura A.** see Yano M. 9207
- Ichise M.** see Ohyama M. 5155
- Igarashi Y.** Ichikawa M. and Ichikawa Y. Synthesis of a potent inhibitor of β-glucuronidase 2707
- Igarashi Y.** Ichikawa M. and Ichikawa Y. Corringendum 4827
- Iglesias J. M.** see Andrés C. 9085
- Ignatenko A. V.** see Bubnov Y. N. 1317
- Iguchi S.** see Reddy R. S. 9335
- Ihara M.** see Tokunaga Y. 6157
- Ihara Y.** see Ueoka R. 3461
- Iida A.** Konishi K. Kubo H. Tomioka K. Tokuda H. and Nishino H. Trichothecinols A, B, and C, potent anti-tumor promoting sesquiterpenoids from the fungus *Trichothecium roseum* 9219
- Iida K.** Fukuda S. Tanaka T. Hirama M. Imajo S. Ishiguro M. Yoshida K. and Otani T. Absolute configuration of C-1027 chromophore 4997
- Iida K.** see Sato I. 5135
- Imori T.** Shibasaki T. and Ikegami S. A novel intramolecular decarboxylative glycosylation via mixed carbonate 2267
- Imori T.** Takahashi H. and Ikegami S. Palladium chloride mediated rearrangement of 6-deoxyhex-5-enopyranosides into cyclohexanones 649
- Imuma M.** see Ohyama M. 5155
- Iio K.** see Kita Y. 7545
- Ikai Y.** see Harada K. 3001
- Ikariya T.** see Xiao J. 2813
- Ikawa H.** see Matsumoto M. 397
- Ikawa H.** see Matsumoto M. 5939
- Ikawa H.** see Matsumoto M. 8191

- Ikeda A.** Akao K. Harada T. and Shinkai S.  
Regioselective intramolecular bridging of calix[8]arenes: unexpected isolation of a doubly-bridged unimolecular capsule-like compound 1621
- Ikeda A.** Fukuhara C. and Shinkai S.  
Fullerene ( $C_{60}$ )-Ag<sup>+</sup> interactions which induce a solution color change 7091
- Ikeda A.** see Araki K. 73
- Ikeda H.** Minegishi T. Takahashi Y. and Miyashi T.  
Phenyl substitution effects on rate acceleration of cation radical deazetation of 2,3-diazabicyclo[2.2.2]oct-2-enes 4377
- Ikeda H.** see Takahashi Y. 1841
- Ikeda H.** see Takahashi Y. 5547
- Ikeda I.** see Zhang W. 4545
- Ikeda I.** see Zhang W. 7995
- Ikeda M.** see Abe M. 5901
- Ikegami S.** see Iimori T. 2267
- Ikegami S.** see Iimori T. 649
- Ikegami S.** see Ohta S. 2265
- Ikegami S.** see Ohta S. 7765
- Ikei T.** J. see Kukkola P. J. 5065
- Ikeda M.** see Ishikawa T. 4393
- Ikoma K.** see Mori H. 7771
- Ila H.** see Gupta A. K. 2817
- Ila H.** see Satyanarayana J. 3565
- Imai K.** see Oriyama T. 8543
- Imai N.** see Ito H. 1795
- Imai N.** see Ito H. 1799
- Imai R.** see Kita Y. 1817
- Imajo S.** see Iida K. 4997
- Imamoto T.** Asakura K. Tsuruta H. Kishikawa K. and Yamaguchi K.  
Syntheses and properties of trifluoromethanesulfonyloxy derivatives of tricyclohexylphosphine–borane 503
- Imamura M.** and Hashimoto H.  
Synthesis of novel CMP–NeuNAc analogues having a glycosyl phosphonate structure 1451
- Imbach J.-L.** see Lazrek H. B. 4701
- Imbach J.-L.** see Peyrottes S. 5869
- Imogai H.** Petit Y. and Larchevêque M.  
Stereocontrolled synthesis of  $\alpha,\alpha$ -disubstituted  $\alpha$ -aminoaldehydes and  $\alpha$ -aminoacids using a [3,3] allylic trichloracetimidate rearrangement 2573
- Imperiali B.** see Shrader W. D. 599
- Imperiali B.** see Sinha Roy R. 2129
- Inakuma M.** see Tso T. S. C. 9249
- Inami K.** Kurome T. Takesako K. Kato I. and
- Shiba T.**  
Site-specific ring opening of depsipeptide aureobasidin A in hydrogen fluoride 2043
- Inamura S.** see Toshima H. 5707
- Ingold K. U.** see Banks J. T. 8059
- Ingold K. U.** see Snelgrove D. W. 823
- Ingrossi G.** see Bellucci G. 9089
- Ini S.** see Gross Z. 7325
- Inokoshi J.** see Shiomi K. 1265
- Inoue H.** see Itoh T. 5001
- Inoue H.** see Kubo K. 5917
- Inoue H.** see Mizuno K. 2975
- Inoue H.** see Mizuno K. 7775
- Inoue M.** Takenaka H. Tsurushima T. Miyagawa H. and Ueno T.  
Colletotragorones A1 and A2, novel germination self-inhibitors from the fungus *Colletotrichum fragariae* 5731
- Inoue M.** Takenaka H. Tsurushima T. Miyagawa H. and Ueno T.  
Corrigendum 8823
- Inoue R.** Shinokubo H. and Oshima K.  
Dialkylation of *gem*-dibromocyclopropanes with trialkylmanganate and manganese(II) chloride-catalyzed reaction with alkylmagnesium bromide 5377
- Inoue T.** see Nishide K. 2271
- Inoue Y.** see Oi S. 6351
- Inui T.** see Nishiuchi Y. 7529
- Ioffe S. L.** see Churakov A. M. 8577
- Ionescu D.** Silverton J. V. Dickinson L. C. and Miller B.  
Stereochemistry and mechanisms of thermal cycloaddition reactions of conjugated enynes. The stereospecific formation of six tetrahedral centers in a single reaction 1559
- Ionescu D.** see Wenschuh H. 5483
- Iqbal J.** see Bhatia B. 7311
- Iqbal J.** see Khanna V. 3367
- Iqbal J.** see Mandal A. K. 3769
- Iqbal J.** see Rajesh S. 7315
- Iradier F.** see Aceña J. L. 105
- Irie H.** see Hatakeyama S. 4047
- Irie H.** see Hatakeyama S. 4287
- Irie O.** Fujiwara Y. Nemoto H. and Shishido K.  
An enantioselective total synthesis of (+)-cassiol 9229
- Irie R.** see Hamachi K. 4979
- Irie R.** see Noguchi Y. 4533
- Iringartinger H.** and Weber A.  
Twofold cycloaddition of [60]fullerene to a bifunctional nitrile oxide 4137
- Iseki K.** Kuroki Y. Takahashi M. and
- Kobayashi Y.**  
Asymmetric allylation of aldehydes catalyzed by substoichiometric amounts of chiral phosphoramides 5149
- Iseki K.** Oishi S. Sasai H. and Shibasaki M.  
Catalytic asymmetric nitroaldol reaction of  $\alpha,\alpha$ -difluoro aldehydes mediated by rare earth–lithium–BINOL complexes 9081
- Ishibashi M.** see Kobayashi J. 1449
- Ishibashi M.** see Kobayashi J. 6775
- Ishibashi T.** Ochifuji N. and Mori M.  
New lactone synthesis using a chromium carbene complex 6165
- Ishibashi Y.** Ohba S. Nishiyama S. and Yamamura S.  
Total synthesis of phenoxan and a related pyrone derivative 2997
- Ishida A.** see Hatanaka M. 401
- Ishida K.** Matsuda H. Murakami M. and Yamaguchi K.  
The absolute stereochemistry of micropeptin 90 9225
- Ishida N.** see Nishigaichi Y. 3701
- Ishida T.** see Komori A. 4031
- Ishido Y.** see Sekine T. 7757
- Ishido Y.** see Sugiyama H. 1805
- Ishifune M.** see Kashimura S. 6737
- Ishigaki K.** see Shibuya M. 865
- Ishiguro M.** see Iida K. 4997
- Ishiguro Y.** see Kawagishi H. 7399
- Ishihara T.** see Yamanaka H. 1829
- Ishii Y.** Kato S. Iwahama T. and Sakaguchi S.  
Hydroxylation of polycyclic alkanes with molecular oxygen catalyzed by *N*-hydroxyphthalimide (NHPI) combined with transition metal salts 4993
- Ishii Y.** see Saitoh M. 6733
- Ishii Y.** see Shiraishi H. 7291
- Ishii Y.** see Ueki M. 4953
- Ishikawa T.** Ikeda M. Sakamaki T. Sato K. and Higuchi K.  
Photo-sensitized oxygenation of phenethylguanidoxime: a possible chemical model for the biological oxidation of *N*<sup>ω</sup>-hydroxy-L-arginine to L-citrulline 4393
- Ishikawa T.** see Futaki S. 201
- Ishikuri S.** see Jiao Y. 1039
- Ishitani H.** and Kobayashi S.  
Catalytic asymmetric aza Diels–Alder reactions using a chiral lanthanide Lewis acid.

- Enantioselective synthesis of tetrahydroquinoline derivatives using a catalytic amount of a chiral source 7357  
**Ishitani H.** see Kobayashi S. 3731  
**Ishiyama T., Ahiko T. and Miyaura N.**  
A synthesis of allylboronates via the palladium(0)-catalyzed cross-coupling reaction of bis(pinacolato)diboron with allylic acetates 6889  
**Ishiyama T.** see Hori H. 2785  
**Ishizuka T.** see Hashimoto N. 9237  
**Islam K.** see Seneci P. 6319  
**Islam Md. S., Kawano T., Hatanaka M. and Ueda I.**  
Cyclopent-2-en-1-ones from [3 + 2]-annulation of 3-ethoxycarbonyl-2-propenylidene(triphenyl)phosphorane and glyoxals: synthesis of *cis*-jasnone 5735  
**Isobe M.** see Bamba M. 8199  
**Isoe S.** see Gao W. 7071  
**Isoe S.** see Mori H. 7771  
**Isoe S.** see Shimano K. 2253  
**Isomura M.** see Matsuo I. 8795  
**Itagaki Y.** see Shinada T. 7099  
**Ito A., Konishi K. and Aida T.**  
Free bases of chiral N-substituted porphyrins as catalysts for asymmetric reaction 2585  
**Ito H., Imai N., Takao K. and Kobayashi S.**  
Enantioselective synthesis of curacin A—II. Total synthesis of curacin A by condensation of C1–C7, C8–C17, and C18–C22 segments 1799  
**Ito H., Imai N., Tanikawa S. and Kobayashi S.**  
Enantioselective synthesis of curacin A—I. Construction of C1–C7, C8–C17, and C18–C22 segments 1795  
**Ito H.** see Hojo M. 9241  
**Ito H.** see Miura K. 8539  
**Ito H.** see Miura K. 9059  
**Ito K., Izawa S., Ohba T., Ohba Y. and Sone T.**  
Syntheses of *p*-tert-butyloxocalix[4]-, [5]-, and [6]arenes and their behavior in solution 5959  
**Ito M.** see Tokitoh N. 5145  
**Ito S.** see Tsunoda T. 2457  
**Ito S.** see Tsunoda T. 2459  
**Ito S.** see Tsunoda T. 2463  
**Ito T.** see Ueoka R. 3461  
**Ito Y.** see Kanie O. 4551  
**Ito Y.** see Murakami M. 7541  
**Ito Y.** see Suginome M. 8887  
**Ito Y.** see Takahashi Y. 5547  
**Itoh A.** see Masaki Y. 9321  
**Itoh D.** see Miura K. 8539  
**Itoh E.** see Katoh T. 3471  
**Itoh E.** see Yoshino T. 3475  
**Itoh K.** see Yano M. 9207  
**Itoh M.** see Ueki Y. 5719  
**Itoh T., Matsuya Y., Nagata K. and Ohsawa A.**  
Reductive deamination of aromatic amines with nitric oxide (NO) 4165  
**Itoh T., Shiromoto M., Inoue H., Hamada H. and Nakamura K.**  
Simple preparation of optically pure bis(trifluoromethyl)alkane-diols through lipase-catalyzed reaction 5001  
**Itoh T., Uzu A., Kanda N. and Takagi Y.**  
Preparation of 3-alkyl-4-hydroxy-2-but enyl acetate through highly regioselective lipase-catalyzed hydrolysis of corresponding diacetates 91  
**Itoh T.** see Nakamura K. 5727  
**Itoh T.** see Suenaga K. 6771  
**Itoh T.** see Takagi Y. 4991  
**Itokawa H.** see Takano I. 7053  
**Iverson B.** see Lamture J. B. 6483  
**Iwahama T.** see Ishii Y. 4993  
**Iwai Y.** see Shiomiki K. 1265  
**Iwama T.** see Kataoka T. 2257  
**Iwanami T.** see Suginome M. 8887  
**Iwane K.** see Fukui K. 4983  
**Iwasa S.** see Dufour C. 7867  
**Iwasaki S.** see Onoda T. 4397  
**Iwasaki S.** see Sawada T. 885  
**Iwasaki T.** see Yamanaka T. 4967  
**Iwasaki Y., Shimizu M., Hiroswa T. and Yamada S.**  
Regioselective synthesis of 19-fluorovitamin D via fluorination of vitamin D–sulfur dioxide adducts 6753  
**Iwase K.** see Mori Y. 2605  
**Iwase K.** see Mori Y. 6959  
**Iwata C.** see Takemoto Y. 3345  
**Iwata C.** see Tanaka T. 7809  
**Iyanar K.** see Murray R. W. 805  
**Iyengar R.** see Engler T. A. 327  
**Iyer R. P., Devlin T., Habus I., Ho N.-H., Yu D. and Agrawal S.**  
*N*-Pent-4-enoyl nucleosides: application in the synthesis of support-bound and free oligonucleotide analogs by the *H*-phosphonate approach 1539  
**Iyer R. P., Devlin T., Habus I., Yu D., Johnson S. and Agrawal S.**  
Oligonucleoside phosphoramidates from *N*-pent-4-enoyl nucleoside *H*-phosphonates 1543  
**Iyoda M., Sasaki S., Sultana F., Yoshida M., Kuwatani Y. and Nagase S.**  
Mono- and dianion of benzoquinone-linked [60]fullerene 7987  
**Izawa S.** see Ito K. 5959  
**Izumi M., Tsuruta O., Hashimoto H. and Yazawa S.**  
Synthesis of 5-thio-L-fucose-containing blood group antigens H-type 2 and Lewis X (Lex) 1809  
**Izzo I., De Riccardis F., Massa A. and Sodano G.**  
Synthesis of in crustasterols, two cytotoxic poly oxygenated sponge steroids 4775  
**Jaber M. R.** see Linderman R. J. 6649  
**Jablonski A.** see Brown T. 5413  
**Jackson R. F. W.** see Ambroise L. 2311  
**Jacobi D. and Abraham W.**  
Generation of aryltryptium ions by photoinduced and thermal electron transfer 7493  
**Jacobi D.** see Bildstein S. 4941  
**Jacobi D.** see Bildstein S. 8759  
**Jacobi P. A., Guo J., Hauck S. I. and Leung S. H.**  
An improved synthesis of the C,D-ring pyrromethenone of phytochrome and phytochromobilin 6069  
**Jacobi P. A. and Herradura P.**  
Enantioselective syntheses of (+)- and (-)-phaseolinic acid 8297  
**Jacobs H.** see Henry G. E. 8663  
**Jacobs H. K.** see Gonzales S. S. 6827  
**Jacobs M. F.** see Paterson I. 8803  
**Jacobs P. A.** see Sels B. F. 8557  
**Jacobsen E. J.** see Romero A. G. 2361  
**Jacobsen E. N.** see Schaus S. E. 7937  
**Jacobson I. C. and Reddy G. P.**  
Asymmetric reactions of chiral imide enolates with  $\alpha$ -keto esters 8263  
**Jacquesy J.-C.** see Martin A. 2967  
**Jacquesy J.-C.** see Martin A. 7731  
**Jacquesy J.-C.** see Martin A. 7735  
**Jadhav P. K. and Man H.-W.**  
Synthesis of 7-membered cyclic oxamides: novel HIV-1 protease inhibitors 1153  
**Jaganadham M. V.** see Ranganathan S. 5199  
**Jahng W.-J.** see Berkowitz D. B. 4309  
**Jaime C.** see Clapés P. 417  
**Jain M. L.** see Hwu J. R. 2035  
**Jain S.** see Bhatia B. 7311  
**Jaivisuthunza W., Tarnchompoo B., Thebtaranonth C. and Thebtaranonth Y.**

- Cyclisation versus acyl migration of  $\alpha$ -allyl lactone derived anion: synthesis of spiro[4,5]dec-2-ene-1,6-diones 3199
- Jakuboski T. L.** see South M. S. 1351
- Jakupovic J.** see Appendino G. 727
- Jakupovic J.** see Appendino G. 7837
- James B.** see Lipshutz B. H. 8471
- James I. W.** see Ede N. J. 9097
- Jamoneau P.** see Viaud M.-C. 2409
- Janda K. D.** see Jung K. W. 6491
- Janda K. D.** see Sakurai M. 5479
- Jang D. O.** Hypophosphorous acid mediated dehalogenation in water 5367
- Jang W. B.** see Sung J. W. 7537
- Jankowski P.** see Achmatowicz B. 5589
- Janzen E. G.** see Sankuratri N. 5313
- Jao E. Cooper A. B.**
- Rane D. F. Saksena A. K.
  - Desai J. Wang J.
  - Girijavallabhan V. M. and Ganguly A. K.
  - Total synthesis of the antifungal cyclic depsipeptides Sch 57697 and aureobasidin A 5661
- Jacouen G.** see Blanalt S. 6561
- Jarosz S.** Application of tri-*n*-butyltin cuprate in sugar chemistry 3063
- Jarret R. M.** see Herrick R. S. 5289
- Jaspers H. C. M.** see Devadher S. 703
- Jaszberenyi J. Cs.** see Mikló K. 3491
- Jaworski J. S.** and Leszczynski P. Rate constants for the solution and electrode electron-transfer to substituted bromobenzenes in DMF 3553
- Jayaraman M.** see Bose A. K. 6989
- Jeffery T.** see Darses S. 3857
- Jefford C. W. Bernardinelli G. Tanaka J. and Higa T.** Structures and absolute configurations of the marine toxins, latrunculin A and laulimalide 159
- Jeges G.** see Skoda-Földes R. 2085
- Jen A. K.-Y.** see Shu C.-F. 7055
- Jenkins H. D. B.** see Baxter S. J. 4617
- Jenkins I. D.** see Grice I. D. 1087
- Jenkins K.** see Caddick S. 1301
- Jenner G.** High pressure and lanthanide catalyzed synthesis of enamino compounds 3691
- Jenner G. and Papadopoulos M.** Influence de la pression dans les réactions entre les cycloalcènes et le propynoate de méthyle catalysées par  $\text{AlCl}_3$ . Etude mécanistique 1417
- Jenneskens L. W.** see Sarobe M. 1121
- Jensen P. R.** see Lindel T. 1327
- Jeon S. L.** see Jeong I. H. 7665
- Jeon S. L.** see Jeong I. H. 5905
- Jeong I. H. Won D. H. and Jeon S. L.** Corrigendum 7665
- Jeong I.-Y.** see Nagao Y. 393
- Jeong I. H. Won D. H. and Jeon S. L.** A new method for the preparation of perfluoroalkylated triphenylethylene derivatives 5905
- Jeong I. H.** see Kim K. S. 1249
- Jeong K.-S. Park J. W. and Cho Y. L.** Molecular recognition of dicarboxylate ions by bis-phenylureas derived from a new dicarboxylic acid 2795
- Jeong L. S. and Marquez V. E.** Use of a cyclic sulfite as an epoxide surrogate in the regioselective synthesis of a carbocyclic ring-enlarged 4',1'a-methano oxetanocin analogue 2353
- Jessop P. G.** see Xiao J. 2813
- Jew S.-S.** see Lee N. 2429
- Jia Z.** see Guo D. 6823
- Jia Z. J.** see Enholm E. J. 1177
- Jiangang W.-T.** see Tsai Y.-M. 7767
- Jiang Q. Van Plew D.**
- Murtuza S. and Zhang X.
  - Synthesis of (1*R*,1*R'*)-2,6-bis[1-(diphenylphosphino)ethyl]pyridine and its application in asymmetric transfer hydrogenation 797
- Jiang X.** see Zeng X. 3009
- Jiang Y.-Z.** see Yang T.-K. 4537
- Jiang Z.** see Creary X. 579
- Jiao Y. Yoshihara T. Ishikuri S. Uchino H. and Ichihara A.** Structural identification of cepaciamide A, a novel fungitoxic compound from *Pseudomonas cepacia* D-202 1039
- Jicsinszky L.** see Sallas F. 4011
- Jiménez J.-M.** see Bennasar M.-L. 7653
- Jiménez J.-M.** see Bennasar M.-L. 9105
- Jimenez L. S.** see Wang Z. 6049
- Jiménez-Barbero J.** see Espinosa J.-F. 1467
- Jin D. and Mendenhall G. D.** Ring-nitrosation of a secondary aromatic amine, 1,3,5-tris(phenylamino)benzene 4881
- Jin M.-J. Ahn S.-J. and Lee K.-S.** New chiral catalysts for the highly enantioselective addition of diethylzinc to aldehydes 8767
- Jin Y. Biancotto G. and Just G.** A stereoselective synthesis of dinucleotide phosphorothioates, using chiral phosphoramidites as intermediates 973
- Jin Z. Kim S. H. and Fuchs P. L.** Phosphazene base  $\text{P}_2\text{-Et}$  mediated isomerization of vinyl sulfones to allyl sulfones 5247
- Jin Z. and Fuchs P. L.** Use of phosphazene base and phase-transfer conditions for regiospecific alkylative isomerization of vinyl sulfones capable of undergoing  $\beta$ -elimination reactions 5249
- Jin Z. and Fuchs P. L.** Palladium[0]-mediated aminospirocyclization of tertiary allylic sulfones. Stereospecific construction of the azabicyclic ring system of cephalotaxine 5253
- Johansson A. Olsson T. and Bergström G.** A short and selective synthesis of (*S*)-geranylcitronellol via conjugate addition of a functionalized copper reagent to 2-substituted *exo*-bornyl crotonates 7127
- Johnson D. A. and Taubner L. M.** Efficient method for the *t*-butyldimethylsilylation of alcohols with *N,O*-bis(*t*-butyldimethylsilyl)acetamide 605
- Johnson D. A.** see Sowell C. G. 609
- Johnson F.** see Varaprasad C. V. 9
- Johnson J. S.** see Kingery-Wood J. 3975
- Johnson L. N.** see Blériot Y. 7155
- Johnson M. R.** see Pascal, Jr R. A. 8125

- Johnson R. L.** see Khalil E. M. 3441
- Johnson R. P.** see Hernandez S. 4907
- Johnson S.** see Iyer R. P. 1543
- Johnston L.** see Zhang Z. 4861
- Joll C. A.** see Giles R. G. F. 7851
- Jonczyk A. and Kaczmarczyk G.** A new approach to synthesis of *gem*-difluorocyclopropanes substituted with electron withdrawing group 4085
- Jonczyk A. and Kaczmarczyk G.** Corrigendum 5627
- Jonczyk A. and Pakulski Z.** Direct vinylation of 2-substituted *N*-(benzylidene)-glycinonitriles under basic conditions 8909
- Jones A. B.** see Acton, III J. J. 4319
- Jones D. E.** see Harmata M. 6267
- Jones D. E.** see Harmata M. 783
- Jones G. B.** Huber R. S.
- Mathews J. E. and Li A.** Target directed enediyne prodrugs: cytotoxic estrogen conjugates 3643
- Jones K. and Fiumana A.** Pyridine radicals in synthesis: a formal total synthesis of ( $\pm$ )-oxerine 8049
- Jones M. G.** see Bell A. A. 8561
- Jones M. G.** see Davis B. 8565
- Jones M. G.** see Griffiths R. C. 3207
- Jones M. G.** see Shilvock J. P. 8569
- Jones P. G.** see Galley G. 6307
- Jones R. A.** see Zhang X. 3789
- Jones R. C. F. Howard K. J. and Snaith J. S.** Cycloaddition of homochiral imidazolinium ylides: a route to optically active pyrroloimidazoles 1707
- Jones R. C. F. Howard K. J. and Snaith J. S.** An enantioselective route to pyrrolidines: removal of the chiral template from homochiral pyrroloimidazoles 1711
- Jones R. C. F.** see Crombie L. 9255
- Jones R. V. H.** see Bell L. 7139
- Jones R. V. H.** see Eames J. 1117
- Jones R. V. H.** see Eames J. 4581
- Jones R. V. H.** see Eames J. 4823
- Jones R. V. H.** see Eames J. 707
- Jones, Jr M.** see Atkins J. H. 7217
- Jones, Jr M.** see Barnett-Thamattoor L. 7221
- Jones, Jr M.** see Krasutsky P. A. 5673
- Jones, Jr M.** see Thamattoor D. M. 8333
- Jorge A.** see Urones J. G. 1659
- Jørgensen M.** see Bols M. 2097
- Joseph B.** see Superchi S. 6057
- Joseph B.** see Superchi S. 6061
- Joseph S. P.** see Comins D. L. 793
- Joseph S. P.** see Comins D. L. 9275
- Joseph-Nathan P.** Meléndez-Rodríguez M. Cerda-García-Rojas C. M. and Catalán C. A. N. Photochemical rearrangements of highly functionalized longipinene derivatives 8093
- Jouannetaud M.-P.** see Martin A. 2967
- Jouannetaud M.-P.** see Martin A. 7731
- Jouannetaud M.-P.** see Martin A. 7735
- Jouanno C.** see Wendeborn S. 5511
- Jouen C.** Lasne M. C. and Pommelet J. C. Synthesis of  $\alpha$ -fluorinated- $\alpha,\alpha$ -difunctionalized sulfides and sulfones 2413
- Jouin P.** see Galéotti N. 3997
- Joule J. A.** see Cooper M. M. 4283
- Joule J. A.** see Roberts D. 1509
- Joullié M. M.** see Ramanjulu J. M. 311
- Journet M.** see Kende A. S. 6295
- Juarros L. E.** see Gonzales S. S. 6827
- Jubault M.** see Leriche P. 5115
- Jubault M.** see Leriche P. 8861
- Jubault P.** Feasson C. and Collignon N. One-pot and efficient electrosynthesis of cycloalkyl-phosphonates from diisopropyl trichloromethyl-phosphonate using magnesium electrochemical activation 3679
- Julien J.** see Khanna I. K. 1355
- Jun K.** see Park K. H. 8869
- Jung B.** Kim H. and Park B. S. Photodecarbonylation of 2-phenyl-4-alkylidene-5(4*H*)-oxazolones 4019
- Jung K. W.** Zhao X. and Janda K. D. A linker that allows efficient formation of aliphatic C-H bonds on polymeric supports 6491
- Jung M. E.** Cho Y. M. and Jung Y. H.
- Facile synthesis of optically active 2-hydroxymethyl-4-methylene-cyclohexanol. *De novo* synthesis of dideoxycarbocyclic sugars 3
- Jung M. E.** and Lazarova T. I. Preparation of (phenylsulfinyl)phenols from aryl phenylsulfonates: 'thia-Fries rearrangement' 7
- Jung M. E.** and Nichols C. J. Highly stereoselective synthesis of *trans,trans*-4-aryl-2,3-oxetanedimethanols: preparation of oxetanocin A analogues 7667
- Jung M. E.** and Vu B. T. Substituent effects on intramolecular dipolar cycloadditions: the *gem*-dicarboalkoxy effect 451
- Jung M. E.** see McGee D. P. C. 1995
- Jung W.-H.** see Yu C.-M. 7095
- Jung Y. H.** see Jung M. E. 3
- Jungmann O.** and Pfeiderer W. A new efficient method in nucleoside synthesis 8355
- Junjappa H.** see Gupta A. K. 2817
- Junjappa H.** see Satyanarayana J. 3565
- Junk T.** and Catallo W. J. Preparative supercritical deuterium exchange in arenes and heteroarenes 3445
- Junk T.** and Fronczeck F. R. Photostimulated telluromethylation 4361
- Jurka J.** see Burgess L. E. 3255
- Jursic B. S.** Timberlake J. W. and Engel P. S. Computation of bond dissociation energies of substituted methanes with density functional theory 6473
- Just G.** see Jin Y. 973
- Just G.** see Marsault E. 977
- Just G.** see Xin Z. 969
- Juteau H.** see Charette A. B. 7925
- Jüttner F.** see Hagmann L. 6539
- Jyojima T.** see Toshima K. 1069
- Jyojima T.** see Toshima K. 1073
- Kabalka G. W.** Narayana C. and Reddy N. K. Stereoselective synthesis of anti-1,3-diols via allylboration 2181
- Kabat M. M.** A novel route to 2-fluoromethyl- and 2-hydroxymethyl-4-alkyl furans via allene oxides 7437
- Kacharov A. D.** see Soloshonok V. A. 7845

- Kache R.** see Yadav J. S. 6603  
**Kaczmarczyk G.** see Jonczyk A. 4085  
**Kaczmarczyk G.** see Jonczyk A. 5627  
**Kádas I.** see Mikló K. 3491  
**Kadota I.** Hatakeyama D.  
 Seki K. and Yamamoto Y.  
 Intramolecular reaction of oxo-substituted allenyl- and propargylstannane with aldehyde 3059  
**Kadota I.** Kawada M. Saya S. and Yamamoto Y.  
 Novel route to the synthesis of hydroxylated piperidine and pyrrolidine derivatives via the intramolecular reaction of  $\gamma$ -aminoallylstannane with aldehyde 2109  
**Kadota I.** Sakaihara T. and Yamamoto Y.  
 A general and efficient method for the preparation of  $\gamma$ -alkoxyallylstannanes via an acetal cleavage 3195  
**Kadota S.** Prasain J. K.  
**Li J. X.** Basnet P. Dong H.  
**Tani T.** and Namba T.  
 Blepharocalyxins A and B, novel diarylheptanoids from *Alpinia blepharocalyx*, and their inhibitory effect on NO formation in murine macrophages 7283  
**Kadow J. F.** see Kant J. 6495  
**Kadow J. F.** see Mastalerz H. 8683  
**Kadow J. F.** see Mastalerz H. 8687  
**Kadowaki Y.** see Satake M. 5955  
**Kagamizono T.** see Sodeoka M. 8775  
**Kagawa T.** see Oikawa H. 6169  
**Kagechika H.** see Azumaya I. 5003  
**Kahl S. B.** see Radel P. A. 6623  
**Kahn M.** see Qabar M. N. 965  
**Kahraman M.** see Harmata M. 6267  
**Kahrs B. C.** see Hoffmann R. W. 4479  
**Kai S.** and Suzuki M.  
 Formation of novel spiro-chlorin and allylidenechlorin by the reaction of bromovinyl-porphyrin with tetracyanoethylene 5931  
**Kaiser T.** Nicholson G. J.  
**Kohlbau H. J.** and Voelter W.  
 Racemization studies of Fmoc-Cys(Trt)-OH during stepwise Fmoc-solid phase peptide synthesis 1187  
**Kajii E.** see Konda Y. 4015  
**Kajii Y.** see Mutai K. 505  
**Kajimoto T.** see Shibata K. 2791  
**Kajiyama K.** Kojima S. and Akiba K.
- Synthesis and characterization of intra- and intermolecular hydrogen bonding isomers of P-H (apical) phosphoranes bearing a hydroxyl group and their thermal cyclization** 8409  
**Kakegawa H.** see Nagao Y. 861  
**Kakinuma K.** see Kishida M. 2061  
**Kaldor S. W.** Siegel M. G.  
 Fritz J. E. Dressman B. A. and Hahn P. J.  
 Use of solid supported nucleophiles and electrophiles for the purification of non-peptide small molecule libraries 7193  
**Kaldor S. W.** see Dressman B. A. 937  
**Kalesse M.** and Eh M.  
 Enantioselective synthesis of the C1-C9 segment of bryostatin by kinetic resolution of racemic  $\beta$ -keto esters 1767  
**Kaliappan K.** and Subba Rao G. S. R.  
 An expedient route to the preparation of key intermediates for the total synthesis of aphidacolin, stemodin and oryzalexin S 4849  
**Kalin M. L.** see Schwan A. L. 2345  
**Kalinin A. V.** see Doyle M. P. 1371  
**Kalisch W. W.** and Senge M. O.  
 Synthesis and structural characterization of nonplanar tetraphenylporphyrins with graded degree of  $\beta$ -ethyl substitution 1183  
**Kaliya O. L.** see Barkanova S. V. 1637  
**Kaljuste K.** and Undén A.  
 Solid-phase synthesis of peptide aminoalkylamides using an allyl linker 3031  
**Kaikote U. R.** Sathe V. T.  
**Kharul R. K.** Chavan S. P. and Ravindranathan T.  
 Quinolone antibiotics: study of reactivity and impurity profile of piperazine with chlorofluoro-quinolone carboxylic acid in aqueous medium 6785  
**Kaller A. M.** see Piers E. 5857  
**Kallmerten J.** see Sin N. 5645  
**Kam S. M.** see Rosenberg M. G. 3235  
**Kam T.-S.** Yoganathan K.  
**Koyano T.** and Komiyama K.  
 Pauciflorines A and B, novel melanin biosynthesis inhibitors from *Kopsia* 5765  
**Kam T.-S.** Yoganathan K. and Li H.-Y.  
 Tenuisines A, B and C, novel bisindoles with  $C_2$  symmetry from *Kopsia tenuis* 8811  
**Kam T.-S.** Yoganathan K. and Wei C.  
 Paucidactine A and B, new indole alkaloids with a novel ring system containing a lactone moiety 3603  
**Kamal A.** Reddy B. S. P. and Reddy B. S. N.  
 A new facile procedure for the preparation of pyrrolo[2,1-c][1,4]benzodiazepines: synthesis of the antibiotic DC-81 and its thio analogue 2281  
**Kamal A.** Reddy B. S. P. and Reddy B. S. N.  
 Synthesis of pyrrolo[2,1-c][1,4]benzodiazepine antibiotics via azido reductive cyclization with HMDST 6803  
**Kamal A.** and Gayatri N. L.  
 An efficient method for 4 $\beta$ -anilino-4'-demethylepipodophyllotoxins: synthesis of NPF and W-68 3359  
**Kamat M.** see Winum J.-Y. 1781  
**Kamat S. K.** see Chavan S. P. 7827  
**Kamata M.** Nagai S. Kato M. and Hasegawa E.  
 Pyrylium salt promoted substitution reactions of acetals with various silylated nucleophiles 7779  
**Kamata M.** Tanaka T. and Kato M.  
 Novel photo-fragmentation of 3,3,6,6-tetra(*p*-methoxy-phenyl)-1,2-dioxane through a C—O bond cleaved 1,6-diradical intermediate 8181  
**Kamata M.** Yokoyama Y.  
**Karasawa N.** Kato M. and Hasegawa E.  
 Aminium salt promoted catalytic substitution reactions of acetals with silylated nucleophiles 3483  
**Kambe N.** see Terao J. 4741  
**Kamijo S.** see Meguro M. 7453  
**Kamikawa K.** and Uemura M.  
 Diastereoselective synthesis of axially chiral biaryls via nucleophilic addition to (arene)chromium complexes with Grignard reagents 6359  
**Kamikawa T.** Uozumi Y. and Hayashi T.  
 Enantioposition-selective alkynylation of biaryl ditriflates by palladium-catalyzed asymmetric cross-coupling 3161  
**Kamikubo T.** Hiroya K. and Ogasawara K.  
 Stereo- and enantio-controlled synthesis of two naturally occurring polyoxygenated cyclohexenemethanols, (+)-epiepoxydon and (-)-phyllostenine, via catalytic asymmetric metathesis of a meso substrate 499

- Kamiyama H.** see Morita H. 3739
- Kamiyama N.** see Shuto S. 641
- Kamo O.** see Chou T. 4023
- Kan Y.** see Kouda K. 4541
- Kan Y.** see Takahashi H. 7087
- Kan Y.** see Toyota M. 4745
- Kanai M.** see Nakagawa Y. 7805
- Kanacka Y.** see Yamamoto Y. 7801
- Kanda A.** see Tanaka T. 7809
- Kanda N.** see Itoh T. 91
- Kanda Y.** see Konoike T. 3339
- Kaneda K.** and **Yamashita T.** Heterogeneous Baeyer–Villiger oxidation of ketones using *m*-chloroperbenzoic acid catalyzed by hydroaluminates 4555
- Kaneko C.** see Katajiri N. 1801
- Kaneko C.** see Sato M. 633
- Kaneko C.** see Toyota A. 8507
- Kaneko J.** see Tsukahara K. 3149
- Kanemasa S.** **Yamamoto H.** and **Kobayashi S.** *d*-Selective reductive coupling/Dieckmann condensation sequence of  $\alpha,\beta$ -unsaturated amides with samarium(II) iodide/HMPA. Synthesis of a new ligand, *trans*-1,2-cyclopentanediyl-2,2'-biphenol 8505
- Kanemoto N.** see Matsumura Y. 8395
- Kaneta N.** **Mitamura F.** **Uemura M.** **Murata Y.** and **Komatsu K.** Electronic interaction of tricarbonylchromium-complexed benzene with a facing aryl ring in the 1,8-diarylnaphthalene system 5385
- Kang H.** and **Fenical W.** Polycarpine dihydrochloride: a cytotoxic dimeric disulfide alkaloid from the Indian Ocean ascidian *Polycarpa clavata* 2369
- Kang H.-Y.** **Lee S. H.** **Choi K. I.** and **Koh H. Y.** Synthesis of cephalosporin derivatives utilizing the cephem triflate—I. Introduction of 3-position substituents via a cycloaddition–fragmentation route 7549
- Kang J. H.** see Oh C. H. 8875
- Kang K.-H.** see Ha H.-J. 7069
- Kang S.-K.** **Lee H.-W.** **Kim J.-S.** and **Choi S.-C.** Palladium-catalyzed cross-coupling of organostannanes with iodoanes 3723
- Kang S. B.** **Ahn E. J.** **Kim Y.** and **Kim Y. H.** A facile synthesis of (*S*)(*–*)-7,8-difluoro-3,4-dihydro-3-methyl-2*H*-1,4-benzoxazine by zinc chloride assisted Mitsunobu cyclization reaction 9317
- Kanger T.** see Lopp M. 7583
- Kanie O.** **Ito Y.** and **Ogawa T.** Orthogonal glycosylation strategy in synthesis of extended blood group B determinant 4551
- Kano K.** see Ramesh U. 8403
- Kant J.** **Schwartz W. S.** **Fairchild C.** **Gao Q.** **Huang S.** **Long B. H.** **Kadow J. F.** **Langley D. R.** **Farina V.** and **Vyas D.** Diastereoselective addition of Grignard reagents to azetidine-2,3-dione: synthesis of novel Taxol® analogues 6495
- Kapfer I.** **Lewis N. J.** **Macdonald G.** and **Taylor R. J. K.** The synthesis of novel analogues of the manumycin family of antibiotics and the antitumour antibiotic LL-C10037 $\alpha$  2101
- Kapfer I.** see Alcaraz L. 6619
- Kapon M.** see Gross Z. 7325
- Kapoor M.** see Gupta S. C. 8913
- Kaprinidis N. A.** and **Turro N. J.** Photosensitized defluorination of saturated perfluorocarbons 2373
- Karady S.** **Amato J. S.** **Reamer R. A.** and **Weinstock L. M.** Annelation of aromatic oxo compounds 8277
- Karasawa N.** see Kamata M. 3483
- Karinne K.** see Lounasmaa M. 1513
- Karlström A.** and **Undén A.** A new protecting group for aspartic acid that minimizes piperidine-catalyzed aspartimide formation in Fmoc solid phase peptide synthesis 4243
- Karpa M. J.** see Riggs J. A. 6303
- Kartha K. P. R.** **Aloui M.** and **Field R. A.** Iodine: a versatile reagent in carbohydrate chemistry—II. Efficient chemospecific activation of thiomethylglycosides 5175
- Kartha K. P. R.** **Aloui M.** and **Field R. A.** Iodine: a versatile reagent in carbohydrate chemistry—III. Efficient activation of glycosyl halides in combination with DDQ 8807
- Karunaratne V.** and **Dolphin D.** Oxidation of substituted 2-methylpyrroles with perhalogenated metalloporphyrins: a one-pot synthesis of dipyrromethanes 603
- Kasai A.** **Chodounksa H.** and **Szczepk W. J.** *trans* Hydrindanes by dimide reduction: synthesis of dihydro-B-nortestosterone and its 17 $\alpha$ -methyl derivative 6221
- Kasatkin A.** **Kobayashi K.** **Okamoto S.** and **Sato F.** Synthesis of 1-hydroxybicyclo[*n*.1.0]alkanes (*n* = 3 and 4) and their silyl ethers from olefinic esters via tandem intramolecular nucleophilic acyl substitution and intramolecular carbonyl addition reactions mediated by  $Ti(OPr-i)_4/2\text{ i-PrMgCl}$  reagent 1849
- Kasatkin A.** **Kobayashi K.** **Okamoto S.** and **Sato F.** Erratum 6960
- Kasch H.** A novel highly effective and stereoselective epoxidation of allylic and homoallylic alcohols using chloral hydrate and hydrogen peroxide 8349
- Kashimura S.** **Ishifune M.** **Murai Y.** and **Shono T.** Cathodic coupling of ketones with trimethylsilyl substituted allyl alcohols 6737
- Kashiwagi K.** see Oi S. 6351
- Kashman Y.** see Fridkovsky E. 6909
- Kassab D. J.** see Ponasik J. A. 6041
- Kast P.** **Asif-Ullah M.** and **Hilvert D.** Is chorismate mutase a prototypic entropy trap?—Activation parameters for the *Bacillus subtilis* enzyme 2691
- Kastorsky L. P.** see Samoshin V. V. 3981
- Katagiri N.** **Okada M.** **Kaneko C.** and **Furya T.** Synthesis of chiral cyclic nitrones via a nitrosoketene intermediate and their use for the complete EPC synthesis of nonproteinogenic amino acids 1801
- Katagiri T.** see Sugimura T. 7303
- Katagiri T.** see Uneyama K. 2045
- Kataoka T.** **Iwama T.** and **Takagi A.** Selective C–N bond cleavage of 4-silyl-substituted 1,2-thiazetidine 1,1-dioxides with  $EtAlCl_2$ : stereospecific formation of (*E*)-vinylsulfonamides 2257
- Kataoka Y.** **Makihira I.** and **Tani K.** First preparation of allyl vanadium reagents in a mixed

- solvent of THF and HMPA (HMPA = hexamethylphosphoric triamide) and their application to allylation of carbonyl compounds 7083
- Katerinopoulos H. E.** see Zaponakis G. 3045
- Kates S. A.** see Kremsky J. N. 4313
- Kato H.** see Tsukamoto S. 1439
- Kato H.** see Tsukamoto S. 5555
- Kato I.** see Inami K. 2043
- Kato M.** see Hagiwara H. 5139
- Kato M.** see Kamata M. 3483
- Kato M.** see Kamata M. 7779
- Kato M.** see Kamata M. 8181
- Kato S.** see Ishii Y. 4993
- Kato S.** see Yamamoto Y. 7801
- Kato T.** see Hasegawa E. 7079
- Katoh T., Itoh E., Yoshino T., and Terashima S.**  
Total synthesis of natural (+)-FR900482—I. Synthetic and end-game strategies 3471
- Katoh T., Yoshino T., Nagata Y., Nakatani S., and Terashima S.**  
Total synthesis of natural (+)-FR900482—III. Completion of the synthesis 3479
- Katoh T.** see Ueki Y. 5719
- Katoh T.** see Yoshino T. 3475
- Katritzky A. R., Chen J., and Belyakov S. A.**  
 $\alpha$ -(Benzotriazolyl)methyl phenyl thioethers: convenient reagents for  $\alpha$ -phenylthioalkylation of silylated nucleophiles 6631
- Katritzky A. R., Levell J. R., and Li J.**  
A new indole synthesis via [3 + 3] annulation of 2-(benzotriazol-1-ylmethyl)pyrroles with  $\alpha,\beta$ -unsaturated aldehydes and ketones 5641
- Katritzky A. R., and Xie L.**  
para-Formylation of nitroarenes via vicarious nucleophilic substitution of hydrogen with tris(benzotriazol-1-yl)methane 347
- Katritzky A. R.** see Kobayashi S. 3731
- Katsuki T.** see Fukuda T. 4389
- Katsuki T.** see Hamachi K. 4979
- Katsuki T.** see Nishikori H. 9245
- Katsuki T.** see Noguchi Y. 4533
- Katsumura S.** see Mori H. 7771
- Katsuyama I., Funabiki K., Matsui M., Muramatsu H., and Shibata K.**  
An effective synthesis of trifluoromethyl-substituted 1,4-dihydropyridines with phosphorus oxychloride/pyridine adsorbed on silica gel 4177
- Katunuma N.** see Nagao Y. 861
- Kauffman G. S.** see Zhang L. 4455
- Kaufman S. A., Phanijphand T., and Fry A. J.**  
Cobalt(salen)-electrocatalyzed conversion of benzotrichloride into tolane. A triply catalytic and overall quintuple electrochemical transformation 8105
- Kaufman T. S.**  
The Mitsunobu reaction of *ortho*-ethers of secondary benzyllic alcohols. Concise enantioselective synthesis of a key intermediate of the novel  $\beta$ -adrenergic receptor antagonist MY336-a 5329
- Kaufmann D.** see Böhm C. 3985
- Kaufmann G.** see Asfari Z. 3325
- Kaur N.** see Kumar S. 2071
- Kawabata K.** see Tobe Y. 9325
- Kawabata T., Kuroda A., Nakata E., Takasu K., and Fuji K.**  
Chiral recognition of amino acid derivatives by 1,1'-binaphthalene-8,8'-diol 4153
- Kawada M.** see Kadota I. 2109
- Kawagishi H., Shimada A., Hosokawa S., Mori H., Sakamoto H., Ishiguro Y., Sakemi S., Bordner J., Kojima N., and Furukawa S.**  
Erinacines E, F, and G, stimulators of nerve growth factor (NGF)-synthesis, from the mycelia of *Hericium erinaceum* 7399
- Kawahama R.** see Uenishi J. 6759
- Kawahara S., Wada T., and Sekine M.**  
1:1 and 1:2 complexes of  $\text{Bu}_4\text{NF}$  and  $\text{BF}_3 \cdot \text{Et}_2\text{O}$ : unique properties as reagents for cleavage of silyl ethers 509
- Kawai M.** see Araki S. 8417
- Kawai Y., Kunitomo J., and Ohno A.**  
Geometrical change of a flavoenzyme model through hydrogen bonding to the pyrimidine ring 8905
- Kawai Y.** see Tanaka K. 5925
- Kawakami T.** see Shibuya M. 865
- Kawamura S.** see Hashimoto N. 9237
- Kawamura S.** see Ushigoe Y. 2093
- Kawano T.** see Islam Md. S. 5735
- Kawasaki I.** see Yamashita M. 7755
- Kawasaki N.** see Kobayashi J. 8203
- Kawasaki T., Terashima R., Sakaguchi K., Sekiguchi H., and Sakamoto M.**  
A short route to "reverse-prenylated" pyrrolo[2,3-*b*]indoles via tandem olefination and Claisen rearrangement of 2-(3,3-dimethylallyloxy)indol-3-ones: first total synthesis of illustramine C 7525
- Kawasaki Y.** see Shiraishi H. 7291
- Kawashima E.** see Sekine T. 7757
- Kawashima E.** see Sugiyama H. 1805
- Kawazu K.** see Fukuyama Y. 6767
- Kay H. A.** see Audia J. E. 4121
- Kaya K., Sano T., Beattie K. A., and Codd G. A.**  
Nostocyclin, a novel 3-amino-6-hydroxy-2-piperidone-containing cyclic depsipeptide from the cyanobacterium *Nostoc* sp. 6725
- Kaya K.** see Kouda K. 6347
- Kaya K.** see Sano T. 6873
- Kazmaier U.**  
Synthesis of quaternary amino acids containing  $\beta,\gamma$ - as well as  $\gamma,\delta$ -unsat-urated side chains via chelate-enolate Claisen rearrangement 5351
- Kazmaier U.** see Krebs A. 7945
- Keaney M. T.** see Curran T. P. 1933
- Keating T. A.** see Strocker A. M. 1149
- Keay B. A.** see Passafaro M. S. 429
- Keay B. A.** see Wilson N. S. 153
- Keck G. E., Savin K. A., Weglarz M. A., and Cressman E. N. K.**  
Synthetic studies on the rhizoxins—II. An approach to the  $\text{C}_{10}-\text{C}_{26}$  subunit using "substrate directed" allylstannane additions to aldehydes 3291
- Keeling S.** see Dyer J. 4573
- Kehler J., Püschl A., and Dahl O.**  
Solid phase synthesis of oligodeoxyribonucleoside phosphordithioates by a phosphotriester method using a chemoselective coupling reagent 8041
- Keifer P. A.** see Chauret D. C. 7875
- Kelkar A. A.**  
The vinylation of aryl iodides using homogeneous platinum complex catalyst 8917
- Keller E. and Feringa B. L.**  
Ytterbium triflate catalyzed Michael additions of  $\beta$ -ketoesters in water 1879
- Keller M.** see Mathew T. 4491
- Keller T. M.** see Son D. Y. 1579
- Kellman J.** see Kerr R. G. 8301
- Kelly M. T.** see Gerard J. 7201
- Kelly N. M., Reid R. G., Willis C. L., and Winton P. L.**

- Chemo-enzymatic synthesis of isotopically labelled L-valine, L-isoleucine and *allo*-isoleucine 1517**
- Kelly-Borges M.** see Hooper G. J. 7135
- Kempin U. Hennig L.** Müller D., Markus A. and Welzel P. A selective reaction that can be used to attach moenomycin to solid supports and proteins 5087
- Kende A. S.** Journet M. Ball R. G. and Tsou N. N. Diastereoselective triple radical cyclization of a bromomethylidemethylsilyl allyl ether 6295
- Kennedy G. Rossi T. and Tamburini B.** The use of zinc enolates in the synthesis of a key intermediate for the preparation of trinem antibiotics 7441
- Kennedy G. and Perboni A. D.** The preparation of heterobiaryl phosphonates via the Stille coupling reaction 7611
- Kennedy R. J.** see Curran T. P. 1933
- Kent D. R. Cody W. L. and Doherty A. M.** Two new reagents for the guanylation of primary, secondary and aryl amines 8711
- Kenwright A. M.** see Byerley A. L. J. 9093
- Keppens M.** see Kulinkovich O. 1095
- Kerhoas L.** see Ducrot P.-H. 3121
- Kermarrec C. Madiot V.** Grée D., Meyer A. and Grée R. A new highly stereoselective monofluorination in benzylic position 5691
- Kerr R. G. Lawry J. and Gush K. A.** *In vitro* biosynthetic studies of the bryostatins, anti-cancer agents from the marine bryozoan *Bugula neritina* 8305
- Kerr R. G. Rodriguez L. C. and Kellman J.** A chemoenzymatic synthesis of 9(11)-secosteroids using an enzyme extract of the marine gorgonian *Pseudopterogorgia americana* 8301
- Kerremans L.** see Andersen M. W. 8147
- Kerridge A.** see Maddrell S. J. 6001
- Kerrigan F.** see Boyd E. A. 5425
- Keshavaraja A.** see Chavan S. P. 233
- Keshavaraja A.** see Chavan S. P. 237
- Kessler H.** see Kranz M. 5359
- Kessler H.** see Mechnick O. 5355
- Kessler H.** see Michael K. 3453
- Kesten S.** see Chen H. G. 8129
- Ketcha D. M.** see Xiao D. 1523
- Keys B. A.** see Zhao S.-H. 2725
- Khadilkar B. M. Gaikar V. G. and Chitnavis A. A.** Corrigendum 1719
- Khai B. T. and Arcelli A.** Stereo- and chemoselective transfer hydrogenation of carbonyl groups with RuCl<sub>2</sub>(PPh<sub>3</sub>)<sub>3</sub> and BINAP-Ru as catalysts and Et<sub>3</sub>NH<sup>+</sup>H<sub>2</sub>PO<sub>2</sub><sup>-</sup>.1.5H<sub>2</sub>O as a hydrogen donor 6599
- Khaider H.** see Lazrek H. B. 4701
- Khalaf N. K.** see Persichetti R. A. 6507
- Khalil E. M. Subasinghe N. L. and Johnson R. L.** An efficient and high yield method for the *N*-*tert*-butoxycarbonyl protection of sterically hindered amino acids 3441
- Khamrai U. K.** see Basak A. 2475
- Khan J. A.** see Bradley E. L. 7329
- Khan J. A.** see Bradley E. L. 6935
- Khan N. M. Arumugam V. and Balasubramanian S.** Solid phase reductive alkylation of secondary amines 4819
- Khanapure S. P.** see Adiyaman M. 4849
- Khanapure S. P.** see Hwang S.-W. 779
- Khanapure S. P.** see Shi X.-X. 4331
- Khanna I. K. Weier R. M.** Julien J., Mueller R. A., Lankin D. C. and Swenton L. The synthesis of 1,5-dideoxy-1,5-(alkyl)imino-2-C-methyl-D-glucitolos 1355
- Khanna V. Malikap G. C. and Iqbal J.** An efficient oxidation of sulfides to sulfoxides using 2-methylpropanal and dioxygen 3367
- Khanna V.** see Mandal A. K. 3769
- Kharul R. K.** see Kalkote U. R. 6785
- Khau V. V. and Martinelli M. J.** 1,3-Dipolar cycloreversion of a 1,3,4-oxadiazolidine as a controlled azomethine imine surrogate for pyrazolidine synthesis 4323
- Khiar N.** see Alonso I. 1477
- Khim S.-K. Wu X. and Mariano P. S.** Stereochemical features of oxidative Mannich cyclizations of vinyl- and allyl-silane containing  $\alpha$ -silyl-amines and -amides 571
- Khlestkin V. K.** Mazhukin D. G., Tikhonov A. Ya., Bagryanskaya I. Yu., Gatilov Y. V., Utepbergenov D. I., Khrantsov V. V. and Volodarsky L. B. Unexpected transformation of 1,2-bis(*N*-methoxy-*N*-nitrosoarnino)cycloalkanes: first synthesis of 4,5-dihydro-1,2,3-triazole 2-oxides 5997
- Khomich A. N.** see Shokova E. A. 543
- Khrantsov V. V.** see Khlestkin V. K. 5997
- Khumtaveeporn K.** see Okuro K. 2713
- Khuong-Huu F.** see Herlem D. 1241
- Kiau S.** see Schmittel M. 7691
- Kiau S.** see Schmittel M. 999
- Kibayashi C.** see Sato M. 9063
- Kibayashi C.** see Yamada H. 8787
- Kibayashi C.** see Yamazaki N. 6161
- Kida T.** see Zhang W. 7995
- Kidwell H.** see Peiter A. 1273
- Kiefel M. J. and von Itzstein M.** The first synthesis of an alkylmercury containing *N*-acetylneuraminic acid derivative 7307
- Kiessling L. L.** see Brüning J. 2907
- Kiessling L. L.** see Manning D. D. 1953
- Kiessling L. L.** see Schueler C. M. 8853
- Kigoshi H.** see Mutou T. 7299
- Kigoshi H.** see Suenaga K. 5151
- Kigoshi H.** see Suenaga K. 6771
- Kihara H.** see Takagi Y. 4991
- Kihlberg J.** see Broddefalk J. 3011
- Kihlberg J.** see Elofsson M. 7645
- Kihlberg J.** see Svensson A. 7649
- Kikori Y.** see Kobayashi Y. 6125
- Kikuchi M.** see Machida K. 4157
- Kil K.-E.** see Ha D.-C. 5723
- Kilburn J. D.** see Bonnat M. 5409
- Kim A.** see Oh C. H. 8875
- Kim B. H. Chung Y. J. and Ryu E. J.** Corrigendum 139
- Kim D. Choi W. J. Hong J. Y. Park I. Y. and Kim Y. B.**

- An asymmetric synthesis of (+)-isonitrilamine by 'triple allylic strain-controlled' intramolecular  $S_N2'$  alkylation 1433
- Kim D.** see Noh T. 9329
- Kim D.-K.** see Lee N. 2429
- Kim D. Y., Rhee D. Y. and Oh D. Y.**  
Acylation of diethyl (ethoxy-carbonyl)fluoromethylphosphonate using magnesium chloride-triethylamine: a facile synthesis of  $\alpha$ -fluoro  $\beta$ -keto esters 653
- Kim H.** see Jung B. 4019
- Kim H.** see Yang T.-F. 8849
- Kim H. Y. and Toogood P. L.**  
A new stereoselective route to ( $2S,3S,8S,9S,4E,6E$ )-3-amino-9-methoxy-2,6,8-trimethyl-10-phenyldeca-4,6-dienoic acid (Adda) 2349
- Kim I. J.** see Mukai C. 5389
- Kim J.-M., Bi Y., Paikoff S. J. and Schultz P. G.**  
The solid phase synthesis of oligoureas 5305
- Kim J.-M., Wilson T. E., Norman T. C. and Schultz P. G.**  
Synthesis of a cyclic urea as a nonnatural biopolymer scaffold 5309
- Kim J.-P.** see Koshino H. 4549
- Kim J.-P.** see Yun B.-S. 8529
- Kim J.-S.** see Kang S.-K. 3723
- Kim J. Y.** see Kim K. S. 1249
- Kim K.** see Chang R. K. 7791
- Kim K.** see Lee H.-S. 3709
- Kim K.** see Lee H.-S. 869
- Kim K.** see Nagao Y. 861
- Kim K.-I. and McCarthy J. R.**  
A new route to 1,1-difluoroolefins from carboxylic acids 3223
- Kim K. H.** see Lee N. 2429
- Kim K. M. and Ryu E. K.**  
Unusual iodine catalyzed lactonization of  $\gamma$ -methyl- $\gamma$ , $\delta$ -pentenoic acids: a facile synthesis of  $\gamma$ , $\gamma$ -dimethyl- $\gamma$ -butyrolactones 1441
- Kim K. S., Park H. B. and Kim J. Y., Ahn Y. H. and Jeong I. H.**  
Stereoselective methoxyselenenylation of acyclic allylic alcohol derivatives: a method for the synthesis of 1,3-anti-diols 1249
- Kim S. and Uh K. H.**  
Thallium ion mediated ring expansion of 1-trimethylsilyloxy-1-alkenylcycloalkanes to  $\alpha$ -exo-methylene cycloalkanones 3865
- Kim S.-H., Hanson M. V. and Rieke R. D.**  
Direct formation of organomanganese bromides using Rieke manganese 2197
- Kim S. H. and Fuchs P. L.**  
Conversion of  $\delta$ -(sulfonyl)amino- $\alpha$ -epoxy ketones to bicyclic ketopyrroles via intramolecular conjugate-addition to azoene intermediates. Synthesis of the bicyclic ketopyrrole core of the 1-azafulvene roseophilin 2545
- Kim S. H.** see Jin Z. 5247
- Kim W., Dannaldson J., Barnes C. L. and Gates K. S.**  
Corrigendum 6425
- Kim W., Dannaldson J. and Gates K. S.**  
Reactions of 3*H*-1,2-benzodithiol-3-one 1-oxide with amines and anilines 5337
- Kim W.-G.** see Koshino H. 4549
- Kim W.-G.** see Yun B.-S. 8529
- Kim W.-S., Sasai H. and Shibasaki M.**  
 $\beta$ -Selective glycosylation with  $\alpha$ -mannosyl fluorides using tin(II) triflate and lanthanum perchlorate 7797
- Kim Y.** see Kang S. B. 9317
- Kim Y.-W.** see Lee N. 2429
- Kim Y. B.** see Kim D. 1433
- Kim Y. H. and Choi J. Y.**  
Diastereoselective addition of organolithiums to new chiral hydrazones. Enantioselective synthesis of (*R*)-coniine 5543
- Kim Y. H. and Choi J. Y.**  
Novel palladium catalyzed dehydrogenation of  $\alpha$ -hydrazinonitriles to hydrazonoyl cyanides using cyclopentene. Synthesis of 1*H*-pyrazole-4-carboxylate 8771
- Kim Y. H.** see Choi J. Y. 7795
- Kim Y. H.** see Kang S. B. 9317
- Kimachi T.** see Yamamoto Y. 7801
- Kimbaris A.** see Gerothanassis I. P. 3191
- Kimura K.** see Makino K. 9073
- Kimura M.** see Harayama H. 7287
- Kimura T.** see Nishiuchi Y. 7529
- Kimura Y., Kusano M., Koshino H., Uzawa J., Fujioka S. and Tani K.**  
Peniguedinolones A and B, pollen-growth inhibitors produced by *Penicillium* sp., No. 410 4961
- Kin H.** see Yamamoto Y. 1863
- Kincey P. M.** see Bell D. 3895
- Kindler N.** see Fürstner A. 7005
- King A.** see Chu M. 3943
- King A.** see Chu M. 7229
- King S. B.** see Atkinson R. N. 9287
- Kingery-Wood J. and Johnson J. S.**  
Resolution of anti-3-
- oxotricyclo[2.2.1.0]heptane-7-carboxylic acid by *Candida antarctica* lipase A** 3975
- Kini A. M.** see Parakka J. P. 8085
- Kinnel R. B.** see Riccio R. 1979
- Kino K.** see Sugiyama H. 9067
- Kinoshita M.** see Hatanaka K. 873
- Kinoshita M.** see Hatanaka K. 877
- Kinoshita M.** see Hojo H. 7391
- Kinoshita T.** see Matsumura Y. 8395
- Kinsho T.** see Smith, III A. B. 6461
- Kinstler O.** see Zhang G. 6243
- Kira H.** see Kiyooka S. 2597
- Kira T.** see Kiyooka S. 8903
- Kirchhoff M. M.** see Hernandez S. 4907
- Kiriha M.** see Momose T. 4987
- Kiryama Y.** see Fukuyama Y. 1261
- Kirkup M. P.** see Shankar B. B. 4095
- Kirmse W., Krzossa B. and Steenken S.**  
Biphotonic generation of carbenes and carbocations by laser flash photolysis 1197
- Kirschner S.** see Marchand A. P. 8101
- Kise N.** see Yoshida J. 3157
- Kishan Reddy Ch., Devasagayaraj A. and Knochel P.**  
Uncatalyzed conjugate additions of diorganozincs in *N*-methylpyrrolidinone 4495
- Kishi E.** see Hayashi T. 4969
- Kishi Y.** see Stamos D. P. 8643
- Kishi Y.** see Stamos D. P. 8647
- Kishida M., Eguchi T. and Kakinuma K.**  
Remote asymmetric induction observed in the alkylation of propionate attached to a carbohydrate template 2061
- Kishida M.** see Masuyama Y. 7103
- Kishihara K.** see Kobayashi Y. 4385
- Kishikawa K.** see Imamoto T. 503
- Kishikawa K.** see Kohmoto S. 7761
- Kishikawa K.** see Kohmoto S. 8879
- Kishino H.** see Mikami K. 3705
- Kishore R.**  
Identification of novel stereogeometrical features in  $\beta$ -Ala residue 5747
- Kita Y., Kitagaki S., Imai R., Okamoto S., Miura S., Yoshida Y., Akai S. and Fujioka H.**  
Asymmetric synthesis of chiral spirocyclanes: a new route to the optically active

- spiro[cyclopentane-1,1'-indan]-2,5-dione system 1817  
**Kita Y., Takebe Y., Murata K., Naka T., and Akai S.**  
 1-Ethoxyvinyl acetate as a novel, highly reactive, and reliable acyl donor for enzymatic resolution of alcohols 7369  
**Kita Y., Takeda Y., Iio K., Yokogawa K., Takahashi K., and Akai S.**  
 An efficient preparation of *peri*-hydroxy dihydroquinone derivatives through a Pummerer-type rearrangement of silylene-protected *peri*-hydroxy aromatic sulfoxides 7545  
**Kita Y.** see Fujioka H. 2245  
**Kitagaki S.** see Kita Y. 1817  
**Kitagawa H.** see Fujioka H. 2245  
**Kitagawa K.** see Futaki S. 201  
**Kitagawa T.** see Okazaki T. 1035  
**Kitagawa Y.** see Ochiai M. 8421  
**Kitaguchi J.** see Hashimoto K. 2275  
**Kitahara Y.** see Tanaka K. 5925  
**Kitamura M., Miki T., Nakano K., and Noyori R.**  
 Conjugate addition of diorganozincs to  $\alpha,\beta$ -unsaturated ketones catalyzed by a copper(I)-sulfonamide combined system 5141  
**Kitamura T., Kotani M., and Fujiwara Y.**  
 An efficient ligand exchange reaction of  $\beta$ -(triflyloxy)vinyl iodonium triflates with aryllithium reagents leading to diaryliodonium triflates 3721  
**Kitamura T.** see Okuma K. 8883  
**Kitamura T.** see Taniguchi Y. 3465  
**Kitano K.** see Nakamura K. 1629  
**Kitano Y.** see Matsumoto M. 397  
**Kitano Y.** see Matsumoto M. 5939  
**Kitano Y.** see Matsumoto M. 8191  
**Kitao M.** see Miki S. 2049  
**Kitaura K.** see Mori H. 7771  
**Kitayama K., Tsuji H., Uozumi Y., and Hayashi T.**  
 Asymmetric hydrosilylation of cyclic 1,3-dienes catalyzed by an axially chiral monophosphine-palladium complex 4169  
**Kitazume T.** see Hasegawa E. 7079  
**Kitaka A., Tanaka H., Yamada N., and Miyasaka T.**
- Nucleoside anomeric radicals via 1,5-translocation: facile access to anomeric spiro nucleosides 2801  
**Kitteringham J.** see Fortunak J. M. D. 5683  
**Kiyooka A.** see Fujita K. 4035  
**Kiyooka S., Kira H., and Hena M. A.**  
 Catalyst control in a chiral borane-mediated aldol reaction. Both *syn*- and *anti*-aldols in almost optically pure state obtained from one racemic aldehyde 2597  
**Kiyooka S., Tsutsui T., and Kira T.**  
 Complete asymmetric induction in [1,2]-Wittig rearrangement of a system involving a binaphthol moiety 8903  
**Kiyoto T.** see Yamashita T. 8195  
**Kizil M., Lampard C., and Murphy J. A.**  
 Corrigendum 5027  
**Kizil M., Lampard C., and Murphy J. A.**  
 Studies of the tetrathiafulvalene mediated radical-polar crossover reaction directed toward the total synthesis of alkaloid natural products 2511  
**Kizu H.** see Griffiths R. C. 3207  
**Klar U., Neef G., and Vorbrüggen H.**  
 Perfluorobutanesulfonyl fluoride-1,8-diazabicyclo-[5.4.0]undec-7-ene as a useful system in diol-epoxide transformation 7497  
**Klar U. and Deicke P.**  
 High stereoselectivity in the Wittig reaction induced by the interaction of charges 4141  
**Klärner F.-G., Golz T., Uhländer C., and Yaslik S.**  
 $\alpha$ -Bishomoaromatic heterocycles: reactivity and synthesis of 3-oxatetra-cyclo[3.3.0.0<sup>2,8</sup>]octane by photolysis at 185 nm 1385  
**Klaubert D. H.** see Gee K. R. 7905  
**Klein D., Braekman J.-C., Daloz D., Hoffmann L., and Demoulin V.**  
 Laingolide, a novel 15-membered macrolide from *Lyngbya bouillonii* (Cyanophyceae) 7519  
**Klement I.** see Riguet E. 5865  
**Klimkina E. V.** see Bubnov Y. N. 1317  
**Klinedinst D.** see Posner G. H. 7225  
**Klinedinst D.** see Posner G. H. 815  
**Klinguer C., Melnyk O., Loing E., and Gras-Masse H.**  
 Synthesis of hydrazino-peptides using solid phase N-amination. Application to chemical ligation 7259  
**Klunder A. J. H.** see Bakkeren F. J. A. D. 8003  
**Klunder A. J. H.** see Thuring J. W. J. F. 4759  
**Knerr L., Pannecoucke X., Schmitt G., and Luu B.**  
 Preferential phosphorylation at the primary alcohol of non-protected thymidine or carbohydrates 5123  
**Knight D. W.** see Coogan M. P. 6417  
**Knight D. W.** see Li S. K. Y. 5615  
**Knight J. and Sweeney J. B.**  
 Further hydroxyiodination of 1-acetoxycyclohex-2-enes: preparation of tetraacetyl conduritol D 6579  
**Knight J. G.** see Harm A. M. 6189  
**Knill A. M.** see Della E. W. 5805  
**Knobelsdorf J.** see Chen H. G. 8129  
**Knochel P.** see Kishan Reddy Ch. 4495  
**Knochel P.** see Longeau A. 2209  
**Knochel P.** see Longeau A. 6099  
**Knochel P.** see Püntener K. 8165  
**Knochel P.** see Riguet E. 5865  
**Knochel P.** see Schwink L. 25  
**Knochel P.** see Stevenson T. M. 8375  
**Knölker H.-J., Goesmann H., and Gonser P.**  
 Transition metal complexes in organic synthesis—XXXII. Fluxionality of ( $n^4$ -1-aza-1,3-butadiene)tricarbonyliron complexes 6543  
**Knölker H.-J., Gonser P., and Koegler T.**  
 Transition metal-diene complexes in organic synthesis—XXIX. Separation of planar chiral tricarbonyliron-diene complexes at cyclodextrin bonded chiral stationary phases by HPLC 2045  
**Knölker H.-J. and Braxmeier T.**  
 Isocyanates—III. Synthesis of carbamates by DMAP-catalyzed reaction of amines with di-*t*-butylidicarbonate and alcohols 5861  
**Knölker H.-J. and Fröhner W.**  
 Transition metal complexes in organic synthesis—XXXV. First total synthesis of furostifoline 9183  
**Knölker H.-J. and Hofmann C.**  
 Transition metal complexes in organic synthesis—XXXIII. Molybdenum-mediated total synthesis of girinimbine,

- murrayacine, and dihydroxygirinimbine 7947
- Knouzi N.** see Zahouly M. 8387
- Kobata K.** *Yoshikawa K.*  
Kohashi M. and Watanabe T.  
Enzymatic synthesis of capsaicin analogs with liver acetone powder 2789
- Kobayashi H.** see Matsumoto M. 397
- Kobayashi H.** see Matsumoto M. 5939
- Kobayashi H.** see Matsumoto M. 8191
- Kobayashi J.** Kawasaki N. and Tsuda M.  
Absolute stereochemistry of keramaphidin B 8203
- Kobayashi J.** Takahashi M. and Ishibashi M.  
Amphidinolide Q, a novel 12-membered macrolide from the cultured marine dinoflagellate *Amphidinium* sp. 1449
- Kobayashi J.** Tsuda M.  
Cheng J. Ishibashi M.  
Takikawa H. and Mori K.  
Absolute stereochemistry of penaresidins A and B 6775
- Kobayashi K.** Akamatsu H.  
Takada K. Morikawa O. and Konishi H.  
3-Benzoyloxy-1-isocyano-propenes. Synthesis and use as 3-hydroxypropanoyl anion equivalents 2437
- Kobayashi K.** see Kasatkin A. 1849
- Kobayashi K.** see Kasatkin A. 6960
- Kobayashi K.** see Konishi H. 7383
- Kobayashi K.** see Konishi H. 8547
- Kobayashi M.** Masumoto K.  
Nakai E. and Nakai T.  
Stereochemical control in the silyl triflate-mediated Claisen rearrangement of allylic esters 3005
- Kobayashi R.** see Shima H. 667
- Kobayashi R.** see Shimizu T. 6755
- Kobayashi S.** Hachiya I.  
Suzuki S. and Moriwaki M.  
Polymer-supported silyl enol ethers. Synthesis and reactions with imines for the preparation of an amino alcohol library 2809
- Kobayashi S.** Hachiya I. and Yasuda M.  
Aldol reactions on solid phase.  $\text{Sc}(\text{OTf})_3$ -catalyzed aldol reactions of polymer-supported silyl enol ethers with aldehydes providing convenient methods for the preparation of 1,3-diol,  $\beta$ -hydroxy carboxylic acid, and  $\beta$ -hydroxy aldehyde libraries 5569
- Kobayashi S.** Ishitani H.  
Komiyama S. Oniciu D. C. and Katritzky A. R.  
A novel Mannich-type reaction: lanthanide triflate-catalyzed reactions of *N*-( $\alpha$ -aminoalkyl)benzotriazoles with silyl enolates 3731
- Kobayashi S.** Moriwaki M.  
Akiyama R. Suzuki S. and Hachiya I.  
Parallel synthesis using Mannich-type three-component reactions and 'field synthesis' for the construction of an amino alcohol library 7783
- Kobayashi S.** Moriwaki M. and Hachiya I.  
Hafnium trifluoromethane-sulfonate ( $\text{Hf}(\text{OTf})_4$ ) as an efficient catalyst in the Fries rearrangement and direct acylation of phenol and naphthol derivatives 2053
- Kobayashi S.** Moriwaki M. and Hachiya I.  
Catalytic direct C-acylation of phenol and naphthol derivatives using carboxylic acids as acylating reagents 4183
- Kobayashi S.** Nagayama S. and Busujima T.  
Polymer scandium-catalyzed three-component reactions leading to diverse amino ketone, amino ester, and amino nitrile derivatives 9221
- Kobayashi S.** see Ishitani H. 7357
- Kobayashi S.** see Ito H. 1795
- Kobayashi S.** see Ito H. 1799
- Kobayashi S.** see Kanemasa S. 8505
- Kobayashi S.** see Reddy R. S. 9335
- Kobayashi T.** see Hashimoto K. 2275
- Kobayashi T.** see Oikawa H. 6169
- Kobayashi Y.** Kishihara K. and Watatani K.  
Two-step conversion of 2-substituted furans into  $\gamma$ -oxo- $\alpha,\beta$ -unsaturated carboxylic acids. Formal synthesis of (+)-patulolidine A and (-)-pyrenophorin 4385
- Kobayashi Y.** Watatani K.  
Kikori Y. and Mizojiri R.  
A new approach to (+)-brefeldin A via a nickel-catalyzed coupling reaction of cyclopentenyl acetate and lithium 2-furylborate 6125
- Kobayashi Y.** and Mizojiri R.  
Nickel-catalyzed coupling reaction of lithium organoborates and aryl mesylates possessing an electron withdrawing group 8531
- Kobayashi Y.** see Iseki K. 5149
- Kochetkov N. K.** see Borodkin V. S. 1489
- Kocis P.** see Seneci P. 6319
- Köck M.** Reif B. Fenical W. and Griesinger C.  
Differentiation of HMBC two- and three-bond correlations: a method to simplify the structure determination of natural products 363
- Kocovsky P.** Dunn V.  
Grech J. M. Šrogl J. and Mitchell W. L.  
Selective reduction of the carbonyl group in organomercurials. A facile method for the protection-deprotection of the mercurio group and a new route to annulated lactones 5585
- Kocovsky P.** Grech J. M. and Mitchell W. L.  
A stereoselective synthesis of *cis*- and *trans*-fused lactones via the palladium(II)-catalyzed carbonylation of organomercurials 1125
- Kodaka Y.** see Shibata T. 8783
- Kodama H.** see Hori K. 5947
- Kodama M.** see Fukazawa Y. 1257
- Kodama M.** see Fukuyama Y. 1261
- Kodama M.** see Fukuyama Y. 6767
- Kodama Y.** Okumura M.  
Yanabu N. and Taguchi T.  
Synthesis of  $\beta$ -amino- $\alpha,\alpha$ -difuoroketones by reactions of 1,1-difluorovinyl methyl ethers with *N*-acyliminium intermediates 1061
- Kodama Y.** Okumura M.  
Yanabu N. and Taguchi T.  
Corrigendum 2515
- Koegler T.** see Knölker H.-J. 2405
- Koenig M.** see Mirza-Aghayan M. 3109
- Kofoed T.** and Caruthers M. H.  
Synthesis of 5'-phosphonate linked thymidine deoxyoligonucleotides 6457
- Koga K.** see Fujita K. 4035
- Koga K.** see Sugasawa K. 7377
- Koga K.** see Yamashita T. 8195
- Koga K.** see Yasuda K. 6343
- Koga T.** see Fujita K. 1825
- Kogan M.** Valasinas A. and Frydman B.  
Synthesis of a decahydrohexapyrin: a novel oligopyrrole of biosynthetic interest 763
- Koganty R. R.** see Qiu D. 595
- Koh H. Y.** see Kang H.-Y. 7549
- Kohashi M.** see Kobata K. 2789

- Kohlbau H. J.** see Kaiser T. 1187
- Kohmoto S.** **Koyano I.**
- Kishikawa K.** **Yamamoto M.** and **Yamada K.**
- Intramolecular photocycloaddition of cyclopropenes. Ring strain-driven hydrogen transfer of 1,4-biradical intermediates 8879
- Kohmoto S.** **Nakayama N.** **Takami J.** **Kishikawa K.** **Yamamoto M.** and **Yamada K.**
- On the mechanism of the rearrangement of 7-vinylnorcaradienes 7761
- Kohn H.** and **Wang S.**
- Studies on the mechanism of activation of C(7) ethylenediamine substituted mitomycins. Relevance to the proposed mode of action of BMY-25067 and KW-2149 2337
- Kohnke F. H.** **La Torre G. L.** **Parisi M. F.** **Menzer S.** and **Williams D. J.**
- Large cyclic oligomers of furan and acetone. X-Ray crystal structure of the hexamer and first synthesis of the nonamer 4593
- Kohnke F. H.** see **Fonte P.** 6201
- Kohnke F. H.** see **Fonte P.** 6205
- Koike N.** see **Hattori T.** 2057
- Koike N.** see **Nishizono N.** 7569
- Koiso Y.** see **Onoda T.** 4397
- Kojima N.** see **Kawagishi H.** 7399
- Kojima S.** see **Kajiyama K.** 8409
- Kojima S.** see **Ohno M.** 9211
- Kojima T.** see **Hojo H.** 7391
- Kokel B.**
- A facile entry into a new heterocyclic system: synthesis of 4,5-annulated-2-dimethylamino-1,3,8,10-tetraaza-spiro[5.5]-1,4-undecadiene-7,9,11(3H,8H,10H)-triones 3849
- Koll D.** see **Vicente M. G. H.** 261
- Kollár L.** see **Skoda-Földes R.** 2085
- Kolodziej S. A.** and **Hamper B. C.**
- Solid-phase synthesis of 5,6-dihydropyrimidine-2,4-diones 5277
- Kolomiets A. F.** see **Osipov S. N.** 615
- Kolomitsin I. V.** see **Krasutsky P. A.** 5673
- Kolshorn H.** see **Cao D.** 4487
- Komatsu H.** see **Doi T.** 6877
- Komatsu K.** **Takimoto N.**
- Murata Y.** **Wan T. S. M.** and
- Wong T.**
- Synthesis and properties of dialkyl derivatives of di[60]fullerenylbutadiyne and di[60]fullerenylacetylene: the buckydumbbells 6153
- Komatsu K.** see **Kaneta N.** 5385
- Komatsu K.** see **Murata Y.** 7061
- Komatsu M.** see **Tsunoi S.** 6729
- Komiya N.** **Naota T.** and **Murahashi S.-I.**
- Aerobic oxidation of alkanes in the presence of acetaldehyde catalysed by copper-crown ether 1633
- Komiyama K.** see **Kam T.-S.** 5765
- Komiyama S.** see **Kobayashi S.** 3731
- Komori A.** **Kubota M.** **Ishida T.** **Niwa H.** and **Nogami T.**
- Unusual reactions of C<sub>60</sub> with aldehydes in the presence of aqueous ammonia 4031
- Konda Y.** **Toida T.** **Kaji E.** **Takeda K.** and **Harigaya Y.**
- First total synthesis of new diglycosides, neohancoside A and B from *Cynanchum hancockianum* 4015
- Kondakov D. Y.** **Wang S.** and **Negishi E.**
- Titanium-catalyzed cascade carboalumination of 2-alkyl-substituted dienes and related trienes 3803
- Kondo K.** see **Yokoyama Y.** 9309
- Kondo S.** see **Higuchi H.** 2601
- Kondo T.** see **Mutou T.** 7299
- Königsberger K.** **Luna H.** **Prasad K.** **Repic O.** and **Blacklock T. J.**
- Separation of *cis/trans*-cyclohexanecarboxylates by enzymatic hydrolysis: preference for diequatorial isomers 9029
- Konishi H.** **Nakamura T.** **Ohata K.** **Kobayashi K.** and **Morikawa O.**
- The acid-catalyzed condensation of 2-propylresorcinol with formaldehyde diethyl acetal. The formation and isomerization of calix[4]resorcinarene, calix[5]resorcinarene, and calix[6]resorcinarene 7383
- Konishi H.** **Okuno T.** **Nishiyama S.** **Yamamura S.** **Koyasu K.** and **Terada Y.**
- TTN oxidation of mixed halogenated phenols: synthesis of vancomycin model diaryl ether possessing a chlorine atom 8791
- Konishi H.** **Yamaguchi H.** **Miyashiro M.** **Kobayashi K.** and **Morikawa O.**
- Functionalization at the extraannular positions of calix[4]resorcinarene using a Mannich-type thiomethylation 8547
- Konishi H.** see **Kobayashi K.** 2437
- Konishi K.** see **Iida A.** 9219
- Konishi K.** see **Ito A.** 2585
- Konishi K.** see **Takahashi C.** 655
- Konishi S.** see **Mizuno K.** 7775
- Konno H.** **Makabe H.** **Tanaka A.** and **Oritani T.**
- Total synthesis of (15S,16R,19S,20R,34S)-diepomuricanin 5393
- Konoike T.** **Kanda Y.** and **Araki Y.**
- Directed lithiation of *N*-(*tert*-butoxycarbonyl)aminoisoxazoles: synthesis of 4-substituted aminoisoxazoles 3339
- Kónya K.** see **Pérez-Prieto J.** 4923
- Kooriyama Y.** see **Fujisawa T.** 3881
- Koós M.**
- A versatile route to 2,3-unsaturated sugar derivatives via corresponding 3-acetoxy-1-nitro-1-alkenes 415
- Kopecky D. J.** see **Myers A. G.** 3623
- Korchagina D. V.** see **Polovinka M. P.** 2631
- Korchagina D. V.** see **Volcho K. P.** 6181
- Koreeda M.** **Gopalaswamy R.** **Yang J.** and **Tuinman R. J.**
- Stereocontrolled synthesis of syn- and anti-diol epoxide metabolites of triphenylene 8267
- Koreeda M.** see **Gopalaswamy R.** 3651
- Koreeda M.** see **Wu J.** 3647
- Kornilov A.** see **Arnone A.** 3903
- Kosemura S.** see **Li S.** 7365
- Koser G. F.** see **Calvo K. C.** 1169
- Koser G. F.** see **Rabah G. A.** 6453
- Koshida S.** see **Suda Y.** 1053
- Koshino H.** **Lee I.-K.** **Kim J.-P.** **Kim W.-G.** **Uzawa J.** and **Yoo I.-D.**
- Agrocybenine, novel class alkaloid from the Korean mushroom *Agrocybe cylindracea* 4549
- Koshino H.** see **Kimura Y.** 4961
- Koshino H.** see **Mimaki Y.** 1245
- Koshino H.** see **Yun B.-S.** 8529
- Köster H.** see **Aurich H. G.** 841
- Kostova K.** see **Dimitrov V.** 6787
- Kosugi M.** see **Sano H.** 8891
- Kotani M.** see **Kitamura T.** 3721

- Kotian P. L.** see Elliott A. J. 5829
- Kotora M. and Negishi E.** Efficient and diastereoselective synthesis of (+)-goniobutenolide A via palladium-catalyzed ene–yne cross coupling–lactonization cascade 9041
- Kotora M.** see Takahashi T. 7521
- Kotra L. P.** see Yang T.-F. 8849
- Kotsuki H. Teraguchi M. Shimomoto N. and Ochi M.** Ytterbium(III) trifluoromethanesulfonate catalyzed high pressure reaction of epoxides with indole. An enantioselective synthesis of (+)-diolmycin A2 3727
- Kotsuki H. and Shimanouchi T.** A facile conversion of epoxides to β-halohydriins with silica gel-supported lithium halides 1845
- Kouda K. Kusumi T. Ping X. Kan Y. Hashimoto T. and Asakawa Y.** 2-Anthrylmethoxyacetic acid, a new chiral anisotropic reagent for elucidating the absolute configuration of acyclic alcohols 4541
- Kouda K. Ooi T. Kaya K. and Kusumi T.** Absolute stereostructure of a 2,3,7,13-tetrahydroxy-octadecanoic acid, the framework of taurolipid B produced by a fresh-water protozoan, *Tetrahymena thermophila* 6347
- Kovács G. Gyarmati J. Somsák L. and Micskei K.** Long-lived glycosyl-chromium(III) complex intermediates in aqueous medium. Preparation of pyranoid glycals 1293
- Kovács J.** see Sallas F. 4011
- Kovács-Kulyassy Á. Herczegh P. and Szaricskai F. J.** First synthesis of conagenin diastereoisomers 2499
- Kovaleski A.** see Unelius C. R. 1505
- Kovalev V. V.** see Shokova E. A. 543
- Kowalski J. and Lipton M. A.** Solid-phase synthesis of a diketopiperazine catalyst containing the unnatural amino acid (S)-norarginine 5839
- Koyama H.** see Higuchi H. 1617
- Koyano I.** see Kohmoto S. 8879
- Koyano T.** see Kam T.-S. 5765
- Koyasu K.** see Konishi H. 8791
- Kozikowski A. P. Ding Q. and Spiegel S.** Synthesis of *erythro*-ω-aminosphingosine and preparation of an affinity column for sphingosine kinase purification 3279
- Kozikowski A. P. Simoni D. Manfredini S. Roberti M. and Stoelwinder J.** Synthesis of the 6- and 7-hydroxylated cocaine and pseudococaines 5333
- Kozikowski A. P.** see Fauq A. H. 1917
- Kozlowski M. C.** see Evans D. A. 7481
- Kozyrev A. N. Dougherty T. J. and Pandey R. K.** Effect of substituents in OsO<sub>4</sub> reactions of metallochlorins regioselective synthesis of isobacteriochlorins and bacteriochlorins 3781
- Kozyrev A. N. Pandey R. K. Medforth C. J. Zheng G. Dougherty T. J. and Smith K. M.** Syntheses and unusual spectroscopic properties of novel ketobacteriopururins 747
- Kozyrev A. N. Zheng G. Zhu C. Dougherty T. J. Smith K. M. and Pandey R. K.** Syntheses of stable bacteriochlorophyll-a derivatives as potential photosensitizers for photodynamic therapy 6431
- Kraehmer R.** see Weigelt D. 367
- Kragl U.** see Seelbach K. 1377
- Král V.** see Sessler J. L. 6469
- Kranz M. and Kessler H.** Novel synthesis of a Phe–Gly E-alkene dipeptide isostere 5359
- Krasutsky P. A. Kolomitsin I. V. Carlson R. M. and Jones, Jr M.** A new one-step method for oxaadamantane synthesis 5673
- Kraszewski A.** see Cieslak J. 4561
- Krattinger B. and Callot H. J.** New routes from porphyrins to stable phlorins. *meso*-Alkylation and reduction of *meso*-tetraphenyl- and octaalkylporphyrins 7699
- Kraus G. A. Maeda H. and Chen L.** Regioselective radical reactions on anhydrides 7245
- Kraus G. A. and Watson B. M.** The synthesis of Z-allylic alcohols via palladium-mediated reactions of stannoxanes with aryl halides 5287
- Krause Bauer J. A.** see Schnapp K. A. 2317
- Krebs A. and Kazmaier U.** The asymmetric ester enolate Claisen rearrangement as a suitable method for the synthesis of sterically highly demanding amino acids 7945
- Kreimeyer A. Ughetto-Monfrin J. Namane A. and Huynh-Dinh T.** Synthesis of acylphosphates of purine ribonucleosides 8739
- Krein D. M. Sullivan P. J. and Turnbull K.** The reaction of 4-substituted aryl azides with NaBH<sub>4</sub>/TFA 7213
- Kreis W.** see Stuhlemmer U. 2221
- Kreiser W. Wiggemann A. Krief A. and Swinnen D.** Synthesis of 2,2-dimethyl-4-cyclopentene-1,3-dione and 5,5-dimethyl-4-hydroxy-2-cyclopenten-1-one 7119
- Kremsky J. N. Pluskal M. Casey S. Perry-O'Keefe H. Kates S. A. and Sinha N. D.** Biotin and fluorescein labeling of biomolecules by active esters of 1-phenylpyrazolin-5-ones 4313
- Krepinsky J. J.** see Wang Z.-G. 6985
- Krepinsky J. J.** see Zhao B. P. 3093
- Kretzschmar G.** see Eisele T. 1389
- Kreuzman A. J.** see Costello C. A. 7469
- Krief A. and Defrère L.** Reaction of 1,3-diselenanes with metal amides 2667
- Krief A. and Defrère L.** Reaction of 1,3-diselenanes with organolithiums 8011
- Krief A. and Defrère L.** Synthesis of 2-lithio-1,3-diselenanes and 2-lithio-1,3-dithianes by Se/Li exchange: first successful trapping of axially oriented 2-lithio-1,3-diselenanes 8015
- Krief A. and Swinnen D.** Novel synthesis of vinyl cyclopropane carboxylic acids: application to the synthesis of (*d,l*)- and (*d*)-*cis*-chrysanthemic acid 7123
- Krief A.** see Kreiser W. 7119
- Krishna P. R.** see Krishnudu K. 6007
- Krishnan V.** see Sen A. 5421
- Krishnan V.** see Sen A. 8437
- Krishnudu K. Krishna P. R. and Mereyala H. B.** Pd(II)Cl<sub>2</sub> mediated oxidative cyclisation of some 3-hydroxy

- 4-vinyl furanoside derivatives to synthetically valuable bis-furanosides 6007
- Kroke E.** Willems S.  
Weidenbruch M. Saak W.  
Pohl S. and Marsmann H.  
Siliranes: formation, isonitrile insertions, and thermal rearrangements 3675
- Kroon J.** see Sliedregt K. M. 4237
- Krot H. W.** see Benito A. M. 1085
- Krotz A. H.** Cole D. L. and Ravikumar V. T.  
Synthesis and deprotection of  $\beta$ -silylethyl protected  $O,O$ - and  $O,O,S$ -trialkylphosphorothioates 1999
- Kroutil W.** Mischitz M.  
Plachota P. and Faber K.  
Deracemization of ( $\pm$ )-*cis*-2,3-epoxyheptane via enantioconvergent biocatalytic hydrolysis using *Nocardia* EH1-epoxide hydrolase 8379
- Krüger C.** see Zimmermann K. 8371
- Krusse C. G.** see van Maarseveen J. H. 8249
- Krysan D. J.**  
A dramatic reversal of facial selectivity in the Sharpless asymmetric dihydroxylation of a sterically hindered 3-methylidene-benzofuran 1375
- Krysan D. J.**  
A practical synthesis of  $\alpha$ -acylamino- $\beta$ -keto-esters: acylation of alkyl hydrogen (acylamino)malonates via the  $MgCl_2/R_3N$  base system 3303
- Krzeminski M.** see Zaidlewicz M. 7131
- Krzossa B.** see Kirmse W. 1197
- Ku Y.-Y.** Patel R. R. and Sawick D. P.  
A general, convenient and highly efficient synthesis of diarylmethanes by copper-catalyzed reaction 1949
- Kubo A.** Kubota H.  
Takahashi M. and Nunami K.  
Dynamic kinetic resolution utilizing 2-oxoimidazolidine-4-carboxylate as a chiral auxiliary: stereoselective synthesis of  $\alpha$ -amino acids by Gabriel reaction 4957
- Kubo H.** see Iida A. 9219
- Kubo K.** Yaegashi S.  
Sasaki K. Sakurai T. and Inoue H.  
Simultaneous formation of isoquinoline and 1-azetine derivatives via photoacetyl migration of substituted  $\alpha$ -dehydropheophylalanine 5917
- Kubota H.** see Kubo A. 4957
- Kubota M.** see Komori A. 4031
- Kubota S.** see Eto M. 2445
- Kudrevich S. V.** see Sharman W. M. 5831
- Kugelman M.** see Gala D. 8117
- Kuhn H.** see Braslau R. 7933
- Kukkola P. J.** Bilci N. A. and Ikeler T. J.  
A novel regio- and stereo-selective synthesis of isoindolines 5065
- Kula M.-R.** see Seelbach K. 1377
- Kulinovich O.** Masalov N.  
Tyvorskii V. De Kimpe N. and Keppens M.  
New synthetic route to the alkaloid withasomnine by ring transformation of a functionalized cyclopropanol via the parent pyrrolo[1,2- $\beta$ ]pyrazole 1095
- Kulkarni S. V.** Dhokte U. P. and Brown H. C.  
Use of ( $\pm$ )-isopinocampheyl-dichloroborane for the efficient synthesis of unsymmetrical ketones via stepwise hydroboration of alkenes 1763
- Kulkarni S. V.** and Brown H. C.  
Highly enantioselective synthesis of alkyl- and aryl-substituted  $\alpha$ -allenic alcohols 4125
- Kumar A.** and Bhakuni V.  
Enantioselective epoxidation using liposomised *m*-chloroperbenzoic acid (LIP MCPBA) 4751
- Kumar A.** see Master H. E. 9253
- Kumar A.** see Yamashita T. 8195
- Kumar B.** see Rani A. 8037
- Kumar K. A.** see Marchand A. P. 467
- Kumar N.** see Black D. StC. 241
- Kumar P.** see Gurjar M. K. 8617
- Kumar P. P.** see Srikrishna A. 1683
- Kumar R.** see Bennasar M.-L. 3541
- Kumar S.**  
Studies toward the synthesis of 3,7,8,8a-trihydroxy-9 $\alpha$ ,10 $\alpha$ -epoxy-7,8,9,10-tetrahydrobenzo[a]pyrene, a reactive metabolite of benzo[a]pyrene 1527
- Kumar S.**  
A new abbreviated synthesis of 5-methylchrysene and its 2-hydroxy- and 8-hydroxy derivatives 6271
- Kumar S.** Bhalla V. Singh P. and Singh H.  
2,8,14-Trithio[15]*m*-*p*-phenylene crownophanes: Ag $^+$  selective receptors 3495
- Kumar S.** Kaur N. and Singh H.
- Synthesis and association behaviour of pyridine based 18-membered diamide-diester-thioether macrocycles 2071
- Kumar S.** see Nair V. 2315
- Kumar V. S.** see Venkateswara Rao B. 8613
- Kumaran G.**  
A novel one pot conversion of primary nitroalkanes to hydroximoyl chlorides 6407
- Kumaravel G.** see Shapiro M. J. 4671
- Kundu D.** see Ranganathan S. 5199
- Kundu N. G.** see Chowdhury C. 7323
- Kunieda T.** see Hashimoto N. 9237
- Kunitomo J.** see Kawai Y. 8905
- Kunwar A. C.** see Mehta G. 2289
- Künzer H.** Thiel M. and Peschke B.  
A vinyl sulfone/vinyl sulfoxide based route to C(6)-C(7) methylene-bridged derivatives of estradiol 1771
- Künzer H.** see Bojack G. 6103
- Künzer H.** see Ruhland T. 2757
- Kuo L. H.** see Paquette L. A. 3299
- Kupfer R.** Rosenberg M. G. and Brinker U. H.  
Synthesis of a sterically congested diazirine: 2-azcamphane 6647
- Kurakata S.** see Shiozaki M. 7271
- Kurakata S.** see Shiozaki M. 8627
- Kuramochi T.** Asaoka M. Ohkubo T. and Takei H.  
Total synthesis of (–)-cordiaquinone B 7075
- Kuramoto M.** Tong C.  
Yamada K. Chiba T.  
Hayashi Y. and Uemura D.  
Halichlorine, an inhibitor of VCAM-1 induction from the marine sponge *Halichondria okadai* Kadota 3867
- Kuramoto M.** see Chou T. 3871
- Kuramoto M.** see Chou T. 4027
- Kuramoto M.** see Wang G.-Y.-S. 1813
- Kuroboshi M.** see Shimizu M. 7387
- Kuroda A.** see Kawabata T. 4153
- Kuroda M.** see Mimaki Y. 1245
- Kuroda T.** see Yamanaka T. 4967
- Kuroki Y.** see Iseki K. 5149
- Kurome T.** see Inami K. 2043
- Kurosawa K.** see Nguyen V.-H. 4949
- Kurth M. J.** see Eisenberg S. W. E. 7683
- Kurusu Y.** see Masuyama Y. 7103

- Kurys B. E.** see Fink D. M. 995  
**Kusakabe T.** see Yamamoto Y. 7801  
**Kusano M.** see Kimura Y. 4961  
**Kusumi T.** see Kouda K. 4541  
**Kusumi T.** see Kouda K. 6347  
**Kusumi T.** see Takahashi H. 7087  
**Kusumoto S.** see Fukase K. 3343  
**Kusumoto S.** see Fukase K. 6763  
**Kusumoto S.** see Suda Y. 1053  
**Kuwajima I.** see Takahashi Y. 5943  
**Kuwatani Y.** see Iyoda M. 7987  
**Kuyil-Yeheskiely E.** see van der Laan A. C. 7857  
**Kuzmenkov I.** see Haddad N. 1663  
**Kvicala J.** see Dolensky B. 6939  
**Kwon T. W.** see Barton D. H. R. 3631  
**Kwong C.-Y. Leung M.**  
**Lin S.-C. Chan T.-L. and Chow H.-F.**  
 Synthesis and characterization of oligo(2,7-biphenylene)-(*E*-vinylene)s 5913  
**Kwong K.-P.** see Tso T. S. C. 9249  
**Kyslík P.** see Wong-Lun-Sang S. 3329  
**LaBell E. S.** see McGill J. M. 3977  
**Labrie F.** see Gauthier S. 5077  
**Laduron F. Ates C. and Viehe H. G.**  
 Diastereoselective cycloadditions of new trifluoromethyl azomethine ylides derived from trifluorothioacetamides 5515  
**Laghrissi M.** see Sebti S. 3999  
**Laguerre M.** see Vivas N. 2015  
**Lahou E. H.** see Luis J. G. 4213  
**Lahti P. M.** see Wiberg K. B. 8285  
**Lai C.-Y.** see Lin G. 193  
**Lai J.-Y. Yu J. Mekonnen B. and Falck J. R.**  
 Synthesis of curacin A, an antimitotic cyclopropane-thiazoline from the marine cyanobacterium *Lyngbya majuscula* 7167  
**Lai M.-L. Chang S.-C. Hwu C.-C. and Yeh M.-C. P.**  
 A novel synthetic approach to medium ring lactones via dienetricarbonyliron complexes 6149  
**Laignel B.** see Denis C. 53  
**Lakshman M. K. and Zajc B.**  
 Regio- and stereocontrolled synthesis of aryl *cis* aminoalcohols from *cis* glycols 2529  
**Lakshmikantham M. V.** see Mørkved E. H. 9149  
**Lai B. and Gangopadhyay A. K.**  
 A practical synthesis of free and protected guanidino acids from amino acids 2483  
**Lallemand J.-Y.** see Anies C. 5519  
**Lallemand J.-Y.** see Anies C. 5523  
**Lallemand J.-Y.** see Ducrot P.-H. 3121  
**Lallemand J.-Y.** see Muller B. 3313  
**Lalloz M.-N.** see Gouverneur V. 6331  
**Lalonde J. J.** see Persichetti R. A. 6507  
**Lam W. W.-L. Haynes R. K. Yeung L.-L. and Chan E. W.-K.**  
 Preparation of bi- and tridentate doubly P-chiral diphosphine dioxide ligands for asymmetric catalysis 4733  
**Lam W. W.-L.** see Haynes R. K. 4729  
**Lamare S.** see Parker M.-C. 8383  
**Lamartine R.** see Pellet-Rostaing S. 5889  
**Lamartine R.** see Renouf-de-Vains J.-B. 6311  
**Lamas C.** see Ezquerro J. 5813  
**Lamas C.** see Ezquerro J. 683  
**Lambusta D. Nicolosi G. Patti A. and Plattelli M.**  
 Lipase-mediated resolution of racemic 2-hydroxymethyl-1-methylthiococene 127  
**Lammin S. G. Pedgrift B. L. and Ratcliffe A. J.**  
 Conversion of anilines to bis-Boc protected *N*-methylguanidines 6815  
**Lampard C.** see Kizil M. 2511  
**Lampard C.** see Kizil M. 5027  
**Lampe T. F. J. and Hoffmann H. M. R.**  
 Asymmetric synthesis of the C(10)–C(16) segment of the bryostatins 7695  
**Lamture J. B. Iverson B. and Hogan M. E.**  
 An intensely luminescent polymeric lanthanide chelator for multiple fluorescence labeling of biomolecules 6483  
**Landais Y. and Parra-Rapado L.**  
 Epoxidation and cyclopropanation of 2-silyl-3-alkenols. A study of 1,2-asymmetric induction 1205  
**Landais Y. and Parra-Rapado L.**  
 Mercuri-desilylation of chiral cyclopropylmethylsilanes 1209  
**Landino L. M.** see Shawe T. T. 3823  
**Landry D. W.** see Sun L. 1547  
**Lane A. L.** see Blériot Y. 7155  
**Lane S. J. Marshall P. S. Upton R. J. Ratledge C. and Ewing M.**  
 Corrigendum 1  
**Langa F.** see de la Cruz P. 1113  
**Lange C.** see Bach T. 4363  
**Langer F.** see Longeau A. 2209  
**Langer T. and Helmchen G.**  
 Highly efficient new catalysts for enantioselective transfer hydrogenation of ketones 1381  
**Langley D. R.** see Kant J. 6495  
**Langley K. A.** see Vagheli M. M. 4853  
**Langlois B. R.** see Billard T. 6865  
**Langlois N. and Dahuron N.**  
 Selective reduction of 2-( $\beta$ -cyanoalkyl)oxazolines into cyclic amidines 3993  
**Langlois Y.** see Sageot O. 7019  
**Lanham K.** see Braslau R. 7933  
**Lankin D. C.** see Khanna I. K. 1355  
**Lantos I.** see Flisak J. R. 4639  
**Laplace G.** see Marek D. 49  
**Lara A.** see Barrero A. F. 3757  
**Larchevêque M.** see Haddad M. 4525  
**Larchevêque M.** see Imogaï H. 2573  
**Larden D. W. and Cheung H. T. A.**  
 Synthesis of *N*-o-aminoacyl derivatives of melphalan for potential use in drug targeting 7581  
**Largeron M. Auzeil N. Dakova B. Bacqué E. Paris J.-M. and Fleury M.-B.**  
 Incidence of the peptidic lactone opening on the electrochemical reduction of pristinamycin I<sub>A</sub> 7499  
**Larhed M. Lindberg G. and Hallberg A.**  
 Rapid microwave-assisted Suzuki coupling on solid-phase 8219  
**Laronze J.-Y.** see Noé E. 5701  
**Laronze J.-Y.** see Noé E. 8823  
**Larsen R. D.** see Davies I. W. 1725  
**Larsen R. D.** see Davies I. W. 813  
**Larsen R. D.** see Senanayake C. H. 3271  
**Lasalvia M.** see Graziano M. L. 527  
**Lash T. D. and Chaney S. T.**  
 Conjugated macrocycles related to the porphyrins—VII. Tropiporphyrin: tropylium versus porphyrinoid aromaticity 8825  
**Lash T. D.** see Chandrasekar P. 4873  
**Lasne M. C.** see Jouen C. 2413

- Laso N. M. Quiclet-Sire B. and Zard S. Z.**  
A new selective reduction of nitroalkenes into enamides 1605
- Lassaletta J. M. Fernández R. Martín-Zamora E. and Pareja C.**  
Stereospecific addition of formaldehyde dialkyl-hydrazone to sugar aldehydes. Synthesis of cyanohydrins and  $\alpha$ -hydroxy aldehydes 5787
- Lathbury D.** see Page P. C. B. 8929
- Lathbury D. C.** see Andrews I. P. 4811
- La Torre G. L.** see Kohnke F. H. 4593
- Lattanzi A.** see Palombi L. 7849
- Lau W. Y. Zhang L. Wang J. Cheng D. and Zhao K.**  
Preparation of 3'-phosphonate analogs of 2',3'-dideoxynucleosides 4297
- Laurens A.** see Gleye C. 9301
- Laurent A.** see Bartnik R. 8751
- Laurent E.** see Bartnik R. 8751
- Lautens M. and Ma S.**  
Reductive and base-induced cleavage reactions of oxabicyclic compounds 1727
- Lavielle S.** see Brunissen A. 6713
- Lawrie K. W. M.** see Bradley E. L. 7329
- Lawrie K. W. M.** see Bradley E. L. 6935
- Lawry J.** see Kerr R. G. 8305
- Lawson J. A.** see Adiyaman M. 4849
- Lázaro A.** see Bennasar M.-L. 3541
- Lazaro R.** see Hua T. D. 175
- Lazarova T. I.** see Jung M. E. 7
- Lazrek H. B. Khaider H. Rochdi A. Barascut J.-L. and Imbach J.-L.**  
Synthesis of new acyclic nucleoside phosphonic acids by Michael addition 4701
- Leadlay P. F.** see Less S. L. 3511
- Leadlay P. F.** see Less S. L. 3515
- Leadlay P. F.** see Less S. L. 3519
- Leak D. J.** see Archer I. V. J. 8819
- Le Bail M.** see Besson L. 3307
- Leban J. J.** see Spalterstein A. 1343
- Lebeau L.** see Nuss S. 5705
- Lebedeva V. S.** see Mironov A. F. 6395
- Lebel H.** see Charette A. B. 7925
- Le Bozec H.** see Dupau P. 7503
- Lebreton J. Alphand V. and Furstoss R.**
- A short chemoenzymatic synthesis of (+)-multifidene and (+)-viridiene 1011
- Lebrilla C.** see Eisenberg S. W. E. 7683
- Lebrun P.** see Masereel B. 7253
- Lebrun S.** see Couture A. 7749
- Lecea B.** see Arrastia I. 245
- Lecomte S.** see Godebout V. 7255
- Le Corre M.** see Hercouet A. 4529
- Lecouvey M.** see Coutrot P. 1595
- Lee A. S.-Y. and Dai W.-C.**  
A simple and highly efficient preparation of arylstannane via sonochemical Barbier reaction 495
- Lee B. H. and Clothier M. F.**  
Functionalization of marcfortine A at C12 and C17 by treatment with metallic oxidizing agents 6053
- Lee C.-H.** see Heo P.-Y. 1521
- Lee C.-H.** see Heo P.-Y. 197
- Lee C. S. and Forsyth C. J.**  
Synthesis of the central C18-C30 core of the phorboxazole natural products 6449
- Lee D.** see Fleming I. 6929
- Lee D.-S.** see Yang T.-K. 4537
- Lee E. Li K. S. and Lim J.**  
Radical cyclization of  $\beta$ -aminoacrylates: stereoselective synthesis of indolizidines 167B and 209D 1445
- Lee E. and Yoon C. H.**  
*8-endo* Cyclization of (alkoxycarbonyl)methyl radicals: stereoselective synthesis of (–)-clavukerin A and (–)-11-hydroxyguaiene 5929
- Lee H.** see Strelkowski L. 4655
- Lee H.-J.** see Noh D.-Y. 7603
- Lee H.-S. and Kim K.**  
Reactions of 5-arylimino-4-chloro-5*H*-1,2,3-dithiazoles with stable phosphoranes: novel preparation of dithiomethyleneephosphoranes 869
- Lee H.-S. and Kim K.**  
Reactions of 4-chloro-5*H*-1,2,3-dithiazol-5-thione with primary and secondary alkylamines: novel method for preparing *N*-alkyl- and *N,N*-dialkylcyanothioformamides 3709
- Lee H.-W.** see Kang S.-K. 3723
- Lee H. J.** see Yoon N. M. 8527
- Lee H. J.** see You Z. 1165
- Lee I.-K.** see Koshino H. 4549
- Lee J. and Cha J. K.**  
Selective cleavage of allyl ethers 3663
- Lee J. and Lee P. H.**  
Preparation of  $\beta'$ -phenylsulfonyl  $\alpha,\beta$ -unsaturated ketones and unsymmetric dialkenyl ketones from 2-alkenyl-2-methoxycyclopropyl phenyl sulfones 9305
- Lee K.-H.** see Wang T.-C. 6369
- Lee K.-S.** see Jin M.-J. 8767
- Lee L.** see Benson S. C. 5061
- Lee M. L.** see Chen Z. 6831
- Lee N. Kim Y.-W. Chang K. Kim K. H. Jew S.-S. and Kim D.-K.**  
Enantioselective synthesis of (*R*)- and (*S*)-2-alkyl-1,4-butanediols via enantiomerically pure 3-alkyl-5-(menthoxyl)butyrolactones 2429
- Lee N. Y. and Chung Y. K.**  
Synthesis of cyclopentenones: the new catalytic cocyclization reaction of alkyne, alkene and carbon monoxide employing catalytic Co(acac)<sub>2</sub> and NaBH<sub>4</sub> 3145
- Lee P. H.** see Lee J. 9305
- Lee S.** see Park J. 6137
- Lee S.-G.** see Cho S.-D. 7059
- Lee S.-S. Chang W.-L. and Chen C.-H.**  
Curcupitaside, a novel glucosyl-fused phenanthropyran isolated from *Curculigo capitulata* 4405
- Lee S.-S.** see Yu C.-M. 7095
- Lee S. B. and Hong J.-I.**  
Encapsulation of small organic molecules by a self-assembled molecular capsule through charged hydrogen bonding interaction 8501
- Lee S. H.** see Kang H.-Y. 7549
- Lee T.-H. Liao C.-C. and Liu W.-C.**  
Stereoccontrolled syntheses of *cis*-decalin and bicyclo[4.2.2]-dec-7-en-4-one derivatives from 2-methoxyphenols. First examples of two-carbon ring expansion of 2-vinylbicyclo[2.2.2]octenols 5897
- Lee T.-H. and Liao C.-C.**  
Stereoselective synthesis of ( $\pm$ )-(13*E*)-2-oxo-5 $\alpha$ -*cis*-17 $\alpha$ ,20 $\alpha$ -cleroda-3,13-dien-15-oic acid, an alleged *cis*-clerodane diterpenic acid 6869
- Lee W. S.** see Nagao Y. 393
- Lee W. S.** see Nagao Y. 861
- Lee Y. C.** see Wang L.-X. 1975
- Lee Y. R.** see Pirrung M. C. 2391
- Lefebvre O.** see Brigaud T. 6115
- Lefèvre V. Dat Y. and Ripoll J.-L.**  
Dimethylsilanethione—generation by retro-ene reaction and cycloaddition with ketene 7017

- Leffelman C.** see Stille J. R. 9267
- Lefranc M.-P.** see Hua T. D. 175
- Le Goaster C.** see Pellon P. 4713
- Leggio A.** Liguori A.  
**Procopio A.** Siciliano C. and Sindona G.  
Synthesis of 4'-aza analogues of 2',3'-dideoxythymidine by 1,3-dipolar cycloadditions of nitrone to 1-N-vinyl-thymine 1277
- Legouy S.** Crévisy C.  
**Guillemin J.-C.** and Grée R.  
Synthesis and reactivity of new chiral rhodium complexes of unsaturated alcohols 1225
- Legoy M.-D.** see Parker M.-C. 8383
- Lehn J.-M.** see Gersch B. 2213
- Lehn J.-M.** see Lorente A. 4417
- Lellouche J.-P.** see Lucet-Levannier K. 2007
- Lemaire-Audoire S.**  
**Savignac M.** Dupuis C. and Genêt J.-P.  
Intramolecular Heck-type reactions in aqueous medium. Dramatic change in regioselectivity 2003
- Lemal D. M.** see Lindner P. E. 9165
- Le Marouille J.-Y.** see Denis C. 53
- Le Maux P.** see Morice C. 6701
- Le Maux P.** see Poignant G. 7511
- Le Merrer Y.** see Poitout L. 1609
- Le Merrer Y.** see Poitout L. 1613
- Lemoine C. A.** see Demonceau A. 1025
- Lemoine R. C.** see Trost B. M. 9161
- Lemoine S. Adam P.**  
**Albrecht P.** and Connan J.  
Novel series of diaromatic 14-methyl steroids occurring in petroleum 2837
- Lenz D. M.** see Mayer J. P. 8081
- León F.** see Méndez J. M. 4099
- León M.** see Aceña J. L. 8957
- Leon P.** see Tamura S. Y. 4109
- Le Plouzennec M.** see Poignant G. 7511
- Le Quesne P. W.** see Moussa M. M. 6479
- Leriche P.** Belyasmine A.  
**Sallé M.** Frère P.  
**Gorgues A.** Riou A.  
**Jubault M.** Orduna J. and Garin J.  
Polyacetyl-substituted tetraphiafulvalenes and 1,3-dithiolic derivatives from hex-3-yn-2,5-dione 8861
- Leriche P.** Giffard M. Riou A.  
Majani J.-P. Rousseau J.  
Jubault M. Gorgues A. and
- Becher J.**  
Bis(trisubstituted tetraphiafulvalenyl) disulfides: disulfide-bridged TTF dimers 5115
- Lermontov S. A.** Rakov I. M.  
**Zefirov N. S.** and Stang P. J.  
A novel method of C-C bond formation via phenylation of terminal acetylenes by triphenylbismuth difluoride 4051
- Leroy F.** see Augé J. 7715
- Less S. L.** Handa S.  
**Leadlay P. F.** Dutton C. J. and Staunton J.  
Biosynthesis of tetronasin—V.  
Novel fluorinated and non-fluorinated analogues of tetronasin via intact incorporation of di-, tri- and tetraketide analogue precursors 3511
- Less S. L.** Handa S.  
**Millburn K.** Leadlay P. F.  
**Dutton C. J.** and Staunton J.  
Biosynthesis of tetronasin—VI. Preparation of structural analogues of the diketide and triketide biosynthetic precursors to tetronasin 3515
- Less S. L.** Leadlay P. F.  
**Dutton C. J.** and Staunton J.  
Biosynthesis of tetronasin—VII. Preparation of structural analogues of the tetraketide biosynthetic precursor to tetronasin 3519
- Leszczynski P.** see Jaworski J. S. 3553
- Lete E.** see Collado M. I. 6193
- Lete E.** see Manteca I. 7841
- LeTourneau M. E.** see Huff B. E. 3655
- Letsinger R. L.** see Horn T. 743
- Letsinger R. L.** see Zhang G. 6243
- Lett R.** see Calvo D. 1023
- Lett R.** see Delpech B. 1015
- Lett R.** see Delpech B. 1019
- Leung M.** see Kwong C.-Y. 5913
- Leung S. H.** see Jacobi P. A. 6069
- Leung W.-H.** Yu M.-T.  
**Wu M.-C.** and Yeung L.-L.  
Molecular sieves promoted regioselective ring opening of *N*-tosylaziridines catalyzed by imidochromium complexes 891
- Levasseur F.** see Godebout V. 7255
- Levelli J. R.** see Katritzky A. R. 5641
- Levenberg M.** see Hill D. R. 787
- Levin J. I.**  
The preparation of forskolin analogs via quinone Diels-Alder reactions 3079
- Levinson E. G.** see Mironov A. F. 6395
- Lévy J.** see Noé E. 5701
- Lévy J.** see Noé E. 8823
- Lewis C. N.** see Floyd C. D. 8045
- Lewis M. L.** see Beddoes R. L. 9119
- Lewis M. L.** see Gilbert P. 9115
- Lewis N. J.** see Alcaraz L. 6619
- Lewis N. J.** see Andrews I. P. 4811
- Lewis N. J.** see Kapfer I. 2101
- Lex J.** see Buhr S. 1195
- Leydet A.** see Winum J.-Y. 1781
- Lhoták P.** and Shinkai S.  
Structurally-unusual calix[4]arene derivatives generated by intra- and intermolecular McMurry reactions 645
- Li A.** see Jones G. B. 3643
- Li C.** see Russell G. A. 2557
- Li C.-J.** Wang D. and Slaven, IV W. T.  
Synthesis of a bis-(binaphthol) 4459
- Li C.-J.** see Chen D.-L. 295
- Li C.-J.** see Lu Y.-Q. 471
- Li H.** see Bu X. R. 7331
- Li H.-H.** see Lin J.-M. 5159
- Li H.-Y.** and Boswell G. A.  
A facile synthesis of fluorinated 4-hydroxy-coumarins 1551
- Li H.-Y.** see Kam T.-S. 8811
- Li H.-Y.** see Robinson A. 8321
- Li J.** see Katritzky A. R. 5641
- Li J. X.** see Kadota S. 7283
- Li K. S.** see Lee E. 1445
- Li P.** see Sun L. 1547
- Li S.** Ohba S. Kosemura S. and Yamamura S.  
Synthetic studies on manzamine A: construction of the tricyclic ABC ring subunit I 7365
- Li S. K. Y.** Knight D. W. and Little P. B.  
Double deprotonation of *N*-Boc-aminobenzotriazole for the preparation of substituted benzyne precursors 5615
- Li T.** see Barton D. H. R. 8329
- Li V. D.** see Barkanova S. V. 1637
- Li W.** see Miller R. A. 3429
- Li W.-S.** see Mascal M. 3505
- Li X.** and Ramamurthy V.  
Electron transfer reactions within zeolites: photooxidation of stilbenes 5235
- Li X.** and Tanner D. D.  
A new type of NADH model compound: synthesis and reactions 3275
- Li Y.** see Yue X. 671
- Li Y.-J.** see Schultz A. G. 6511
- Li Y.-L.** and Wu Y.-L.  
Synthesis and glycosylation of thio-D-fructofuranoside donors 7413

- Li Z., Bouhadir K. H. and Shevlin P. B.** Convenient syntheses of 6,5 open and 6,6 closed cycloalkylidenefullerenes 4651
- Liang G.-B. and Feng D. D.** Corrigendum 8961
- Liang G.-B. and Feng D. D.** An improved oxadiazole synthesis using peptide coupling reagents 6627
- Liao C.-C. see Lee T.-H.** 5897
- Liao C.-C. see Lee T.-H.** 6869
- Liao J. see Wang K. K.** 4087
- Liao J.-W. see Blankenfeldt W.** 7361
- Liao L. see Villemain D.** 8733
- Liao L.-X. and Zhou W.-S.** A new approach to clavulanine  $\beta$ -lactam antibiotic: transformation of chiral  $\alpha$ -furyl amide into the  $\delta$ -hydroxyl- $\alpha$ -amino lactones via asymmetric dihydroxylation 6371
- Liao Q. see Zhu Z.** 8553
- Liao S., Han Y., Qiu W., Bruck M. and Hruby V. J.** Syntheses of highly constrained  $\beta$ -aryl isohexanoic acid derivatives via asymmetric Michael addition 7917
- Liao S. and Hruby V. J.** Asymmetric synthesis of optically pure  $\beta$ -isopropylphenylalanine: a new  $\beta$ -branched unusual amino acid 1563
- Liard A., Quiclet-Sire B. and Zard S. Z.** A practical method for the reductive cleavage of the sulfide bond in xanthates 5877
- Liebscher J. see Rottmann A.** 359
- Lightner D. A. see Thyrann T.** 315
- Liguori A. see Leggio A.** 1277
- Liguori L. see Araneo S.** 6897
- Lillo M. A. see Curci R.** 249
- Lim H.-J. and Sulikowski G. A.** Synthesis of the antitumor antibiotic FR-66979: Dmitrienko oxidative expansion of a fully functional core structure 5243
- Lim J. see Lee E.** 1445
- Lin C.-H. see Sieburth S. McN.** 1141
- Lin G. and Lai C.-Y.** Linear free energy relationships of the inhibition of pancreatic cholesterol esterase by 4-nitrophenyl-N-alkylcarbamate 193
- Lin G.-H. see Chou T.-C.** 8779
- Lin G.-Q. and Zhong M.** The first synthesis of optically pure (+)- and (-)-isokotanin Å and the assignment of their absolute configuration 3015
- Lin H.-C. see Chou S.-S.** P. 7279
- Lin J. see Thompson C. M.** 8979
- Lin J.-M., Li H.-H. and Zhou A.-M.** Synthesis of benzyl/allyl alkyl ethers from corresponding magnesium alkoxides 5159
- Lin K.-Y. and Matteucci M. D.** The synthesis and hybridization properties of an oligonucleotide containing hexafluoroacetone ketal internucleotide linkages 8667
- Lin S.-C. see Kwong C.-Y.** 5913
- Lin S.-Y. see Strekowski L.** 4655
- Lin Y. see Vuligonda V.** 1941
- Lin Y.-M. see Yao C.-F.** 6339
- Linda P. see Ebert C.** 9377
- Lindeberg G. see Larhed M.** 8219
- Lindel T., Jensen P. R. and Fenical W.** Lagunapyrones A-C: cytotoxic acetogenins of a new skeletal class from a marine sediment bacterium 1327
- Linden A. see Ayerbe M.** 3055
- Linden A. see Palomo C.** 6931
- Linderman R. J., Cusack K. P. and Jaber M. R.** Preparation of enantiomerically enriched  $\alpha$ -alkoxystannanes by regioselective acetal exchange or acetal hydrolysis 6649
- Linderman R. J. and Chen S.** Diastereoselective addition of alkynylstannanes to alpha stannyll substituted mixed acetals: synthesis of precursors for allenyl carbinols 3819
- Lindner P. E. and Lemal D. M.** Energetics of hydrate and hemiketal formation for highly fluorinated ketones 9165
- Lindquist N., Lobkovsky E. and Clardy J.** Tridentatols A-C, novel natural products of the marine hydroiod *Tridentata marginata* 9131
- Lindyberg S. E. see Herrick R. S.** 5289
- Linker T., Maurer M. and Rebien F.** Highly regioselective intramolecular hydroxymethylation of  $\alpha,\beta$ -unsaturated carboxylic acids 8363
- Linnane P. see Frost C.** 9139
- Linstrumelle G. see Mladenova M.** 6547
- Liotta D. C. see Captain L. F.** 4293
- Lippa B. S. see Zhu Z.** 1937
- Lipshutz B. H., Aue D. H. and James B.** An *ab initio* molecular orbital study on the Lewis acidity of TMS-Cl and TMS-CN toward an  $\alpha,\beta$ -unsaturated aldehyde: are these acid-base interactions important in organocuprate 1,4-additions to enones? 8471
- Lipton M. A.** Diastereoselective recognition of  $\beta$  anomers of phenyl glucosides by a cyclabis(paraquat-*p*-phenylene) receptor: a computational study 287
- Lipton M. A. see Kowalski J.** 5839
- Liskamp R. M. J. see Löwik D. W. P. M.** 8253
- Liskamp R. M. J. see Sliedregt K. M.** 4237
- List B. see Mulzer J.** 2403
- List B. see Mulzer J.** 9177
- Lithgow A. M. see Urones J. G.** 1659
- Little P. B. see Li S. K. Y.** 5615
- Little R. D. see Schwaebe M. K.** 6635
- Liu A. Dillon K., Campbell R. M., Cox D. C. and Huryn D. M.** Synthesis of E-selectin inhibitors: use of an aryl-cyclohexyl ether as a disaccharide scaffold 3785
- Liu B. see Wee A. G. H.** 145
- Liu C., Hashimoto Y. and Saigo K.** Regio- and stereoselective ring-opening reaction of 2,3-epoxy amines with organo-aluminum reagents leading to 2-substituted 3-amino alcohols 6177
- Liu C. and Sowa, Jr J. R.** Synthesis of (1*R*)-(+)nopolone- and (1*S*)-(--)verbenone-derived chiral annulated indenes via electrocyclic reactions 7241
- Liu C.-F., Rao C. and Tam J. P.** Acyl disulfide-mediated intramolecular acylation for orthogonal coupling between unprotected peptide segments. Mechanism and application 933
- Liu C. Z. and Rabideau P. W.** Corannulene synthesis via the pyrolysis of silyl vinyl ethers 3437
- Liu D. see Chan T. Y.** 8097
- Liu H. see Crich D.** 3105
- Liu H. see Davis F. A.** 5473
- Liu H.-J., Sun D. and Shia K.-S.** Polyene cyclization promoted by the cross conjugated  $\alpha$ -

- carbalkoxy enone system 8073  
**Liu H.-J.** **Wu C.-L.**  
**Hashimoto T.** and  
**Asakawa Y.**  
 Nudenoic acid: a novel tricyclic sesquiterpenoid from the Taiwanese liverwort *Mylia nuda* 9307  
**Liu J.** see Senanayake C. H. 3271  
**Liu K.-T.** **Tsao M.-L.** and  
**Chao I.**  
 Variation of coplanarity between aryl ring and cationic center at transition state. Agreement of results of solvolytic study with *ab initio* calculations 4173  
**Liu L.** see Flisak J. R. 4639  
**Liu L.** see Martin O. R. 1991  
**Liu Q.** see Xue L. 1921  
**Liu R. S. H.** see Asato A. E. 419  
**Liu R. S. H.** see Simmons C. J. 4103  
**Liu W.** **Walker, II J. A.**  
**Chen J. J.** **Wise D. S.** and  
**Townsend L. B.**  
 Synthesis of pyrazine C-ribosides via direct metalation 5325  
**Liu W.** see Moss R. A. 279  
**Liu W.-C.** see Lee T.-H. 5897  
**Liu X.** and **Reese C. B.**  
 3'-Thiouridylyl-(3'→5')-uridine 925  
**Liu X.** see Faller J. W. 3449  
**Liu Y.-T.** see Saksena A. K. 6821  
**Liu Y.-T.** see Saksena A. K. 5657  
**Liverton N. J.** see Butcher J. W. 6685  
**Livesay M. T.** see Sowell C. G. 609  
**Livingston P. O.** see  
 Takayama S. 9271  
**Llerena D.** **Aubert C.** and  
**Malacria M.**  
 First examples of cobalt-mediated formal Alder ene reaction of allenynes 7027  
**Llerena D.** **Aubert C.** and  
**Malacria M.**  
 Novel reactivity of enynes in presence of cobalt(I) complexes 7353  
**Lluís Torres J.** see Pera E. 3609  
**Lo L.-C.** see Blankenfeldt W. 7361  
**Loakes D.** see Davies G. M. 5601  
**Lobkovsky E.** see Harrison B. 9151  
**Lobkovsky E.** see Lindquist N. 9131  
**Lobo A. M.** see  
 Aires-de-Sousa J. 3183  
**Locati L.** see Bonadies F. 7129  
**Lochrie I. S. T.** see  
 Atkinson R. S. 5179  
**Lock R.** and **Waldmann H.**  
 Asymmetric synthesis of highly functionalized tetracyclic indole bases embodying the basic skeleton of yohimbine- and reserpine type alkaloids 2753  
**Locke A. J.** and **Richards C. J.**  
 Asymmetric synthesis of 1- and 1,1'-ferrocenopropanoic acids 7861  
**Loeb L.** see López B. R. 5437  
**Loffet A.** see Paris M. 8489  
**Loffet A.** see Pothion C. 1027  
**Löfström C. M. G.** and  
**Bäckvall J.-E.**  
 $\text{BF}_3$ -induced rearrangement of aziridinocyclopropanes derived from 2-phenylsulfonyl-1,3-dienes. A new approach to the tropane alkaloid skeleton 3371  
**Loganathan V.** see Grigg R. 3399  
**Loh T.-P.** **Wang R.-B.** and  
**Sim K.-Y.**  
 Chiral tartrate-derived dioxaborolidine: a simple and practical catalyst for enantioselective Diels–Alder reaction 2989  
**Loh, Jr V. M.** see Boyd E. A. 1647  
**Loh, Jr V. M.** see Boyd E. A. 1651  
**Loing E.** see Klinguer C. 7259  
**Lo Moro G.** see Bellucci G. 4225  
**Lonergan D. G.** **Riego J.** and  
**Deslongchamps G.**  
 A convergent hydroxyimide module for molecular recognition 6109  
**Long B. H.** see Kant J. 6495  
**Longeau A.** **Langer F.** and  
**Knochel P.**  
 Preparation and reactions of functionalized chlorodiorganophosphine–borane complexes using organozinc reagents 2209  
**Longeau A.** and **Knochel P.**  
 Lithiated bis(diethylamino)phosphine borane complex as useful nucleophilic phosphorus reagent 6099  
**Longoria M. A.** see Doyle M. P. 4129  
**López B. R.** **Loeb L. B.**  
**Boussie T.** and **Meyer T. J.**  
 Synthesis of a new phenanthroline derived ligand with acceptor properties 5437  
**López J. C.** see Valverde S. 1105  
**López J. L.** see Caballero E. 6951  
**López J. L.** see Medarde M. 2663  
**López-Alvarado P.** see  
 Pérez J. M. 6955  
**López-Calahorra F.** **Castro E.**  
**Ochoa A.** and **Martí J.**  
 Further evidences about the role of bis(thiazolin-2-ylidene)s as the actual catalytic species in the generalised benzoin condensation 5019  
**López-Ortíz F.** see Álvarez-Gutiérrez J. M. 2841  
**López-Romero J. M.** see  
 Suau R. 9357  
**Lopp M.** **Paju A.** **Kanger T.** and **Pehk T.**  
 Asymmetric Baeyer–Villiger oxidation of cyclobutanones 7583  
**Lorber C. Y.** and **Osborn J. A.**  
*cis*-Dioxomolybdenum(VI) complexes as new catalysts for the Meyer–Schuster rearrangement 853  
**Lorente A.** **Espinosa J. F.**  
**Fernández-Saiz M.**  
**Lehn J.-M.** **Wilson W. D.** and **Zhong Y. Y.**  
 Syntheses of imidazole–acridine conjugates as ribonuclease A mimics 4417  
**Loreto M. A.** see Carducci M. 3777  
**Lorin C.** see Mavratzotis M. 5699  
**Lorthiois E.** **Marek I.** **Meyer C.** and **Normant J. F.**  
 Intermolecular carbolithiation of silylated enynes 6689  
**Lorthiois E.** **Marek I.** and **Normant J. F.**  
 Intramolecular carbolithiation of silylated enynes 6693  
**Lotter H.** see Dubois E. P. 3627  
**Lounasmaa M.** **Karin K.**  
**Din Belle D.** and **Tolvanen A.**  
 Stereoselective synthesis of methyl 3 $\alpha$ -ethyl-1,2,3,4,6,7,12,12b $\beta$ -octahydroindolo[2,3- $\alpha$ ]quinolizine-1 $\alpha$ -carboxylate: a key intermediate for the preparation of tacamine-type indole alkaloids 1513  
**Loupy A.** **Monteux D.** **Petit A.**  
**Aizpurua J. M.**  
**Domínguez E.** and **Palomo C.**  
 Towards the rehabilitation of the Leuckart reductive amination reaction using microwave technology 8177  
**Loupy A.** and **Monteux D.**  
 Asymmetric Diels–Alder: monobenzylated isosorbide and isomannide as highly effective chiral auxiliaries 7023  
**Loupy A.** see de la Cruz P. 1113  
**Loupy A.** see Díaz-Ortiz A. 1695

- Louwrier S. Ostendorf M.**  
**Tuynman A. and**  
**Hiemstra H.**  
 Studies towards the synthesis of guanidine alkaloids; synthesis of a tricyclic guanidine from succinimide 905
- Lovell J. M.** see Cooper M. M. 4283
- Löwik D. W. P. M.**  
**Mulders S. J. E. Cheng Y.**  
**Shao Y. and**  
**Liskamp R. M. J.**  
 Synthetic receptors based on peptidosulfonamide peptidomimetics 8253
- Loyer N. and Roby J.**  
 Corrigendum 3415
- Lu L.** see Xue L. 1921
- Lu Q. and Agosta W. C.**  
 A radical clock reaction in the photochemistry of an acylpyrazine 8629
- Lu S.-P.** see Petasis N. A. 141
- Lu Y.-Q. and Li C.-J.**  
 Novel [3 + 2] annulation via a trimethylenemethane zwitterion equivalent in water 471
- Lu Z.-H.** see  
 Ramachandran P. V. 3795
- Lubyako E. N.** see  
 Stetsenko D. A. 3571
- Lucchini V.** see Carofiglio T. 8019
- Lucchioni-Houzé B.** see Salemi-Delvaux C. 5127
- Lucet-Levannier K.**  
**Lellouche J.-P.**  
**Mioskowski C. Schneider F.** and **Cassagne C.**  
 The hydrogenation of  $\beta$ -hydroxy- $\gamma$ -fluoro- $\gamma$ -ethylenic esters as an efficient approach to the fluorohydrin substructure 2007
- Luis J. G. Lahliou E. H.**  
**Andrés L. S. Sood G. H. N.** and **Ripoll M. M.**  
 Apiananes: C<sub>23</sub> terpenoids with a new type of skeleton from *Salvia apiana* 4213
- Luisi R.** see Florio S. 4781
- Luke R. W. A. Boyce P. G. T.** and **Dorling E. K.**  
 'One-pot' methylation of Fmoc amino acids 263
- Luker T. Hiemstra H.** and **Speckamp W. N.**  
 Synthesis and reactivity of pyrrolidinone- and piperidinone-derived enol triflates 8257
- Luker T. and Whitby R. J.**  
 Organozirconium methods for the efficient construction of the bicyclo-[9.3.0]tetradecane dolabellane skeleton 7661
- Lukyanets E. A.** see  
 Barkanova S. V. 1637
- Lumin S.** see Heckmann B. 1425
- Luna H.** see Königsberger K. 9029
- Luque F. J.** see Camps P. 8605
- Luu B.** see Knerr L. 5123
- Luzikova E. V.** see  
 Buragin N. A. 897
- Lynch J. E.** see Wells K. M. 6439
- Lynch V.** see Gale P. A. 7881
- Lynch V.** see Magnus P. 6639
- Lyngsø L. O.** see Nielsen J. 8439
- Ma P.** see Zhang L. 4455
- Ma S.** see Lautens M. 1727
- Ma W.** see Moss R. A. 1929
- Macaluso S. A.** see  
 Hungate R. W. 4113
- Macaulay G. S.** see  
 Andrews I. P. 4811
- Macchia F.** see Crotti P. 1675
- Macciantelli D.** see  
 Chatgilialoglu C. 6391
- MacDonald A. A. DeWitt S. H.**  
**Hogan E. M. and Ramage R.**  
 A solid phase approach to quinolones using the DIVERSOMER® technology 4815
- Macdonald G.** see Alcaraz L. 6619
- Macdonald G.** see Kapfer I. 2101
- Macdonald T. L.** see Guzi T. J. 2939
- Macdonald T. L.** see  
 Hopper D. W. 7871
- MacFaul P. A.** see  
 Snelgrove D. W. 823
- Machado A.** see Silveira C. C. 9173
- Machetti F. Cordero F. M.**  
**De Sarlo F. Guarna A.** and **Brandi A.**  
 A new synthesis of (2S)-4-oxopipeolic acid by thermal rearrangement of enantiopure spirocyclopropaneisoxazolidine 4205
- Machida K. and Kikuchi M.**  
 Viburnols: novel triterpenoids with a rearranged dammarane skeleton from *Viburnum dilatatum* 4157
- Maciejewski L.** see  
 Carpenter J.-F. 167
- MacKinnon J.** see  
 Barton D. H. R. 8329
- Macor J. E. Ogilvie R. J.** and **Wytches M. J.**  
 An improved synthesis of the unique anti-migraine agent CP-122,288: a bromine atom passenger in an intramolecular Heck reaction 4289
- Madalengoitia J. S.** see  
 Zhang R. 6235
- Maddaluno J.** see Martin C. 8169
- Maddrell S. J. Turner N. J.**  
**Kerridge A. Willetts A. J.** and **Crosby J.**
- Nitrile hydratase enzymes in organic synthesis: enantioselective synthesis of the lactone moiety of the mevinic acids 6001
- Madiot V.** see Kermarrec C. 5691
- Madura J. D.** see Davis, Jr J. H. 2729
- Maechler L.** see Hirschmann R. 5637
- Maeda H. Okamoto J.** and **Ohmori H.**  
 Reactions of *in situ* formed acyl tributylphosphonium ions with Grignard reagents as an effective route to ketones from acid chlorides 5381
- Maeda H.** see Kraus G. A. 7245
- Maeda M.** see Sasaki S. 85
- Maehr H. and Yang R.**  
 A convergent synthesis of Ro24-5913, a novel leukotriene D<sub>4</sub> antagonist 5445
- Mager H. I. X. and Tu S.-C.**  
 Inter-flavin electron transfer in the ground state in the absence of external electron donors and acceptors 7885
- Magnin G. C. Dauvergne J.**  
**Burger A. and**  
**Biellmann J.-F.**  
*t*-Butyldimethylsilyloxyethyl group, a versatile protecting group of adenine 7833
- Magnus P. Ujjainwalla F.**  
**Westwood N. and Lynch V.**  
 Isomerization, autoxidation and epimerization for the introduction of C-1 to C-5 functionality into the taxane ABC ring system 6639
- Magnus P. and Roe M. B.**  
 Oxidative azidonation of glycals using the reagent combination PhIO/TMSN<sub>3</sub>: synthesis of diaminopyrans 303
- Magnus P.** see Frost C. 9139
- Mague J.** see Ensley H. E. 6255
- Maguire R. J. Mulzer J.** and **Bats J. W.**  
 1,4-Asymmetric induction in the Nozaki–Hiyama reaction 5487
- Mahadevan I.** see  
 Warrener R. N. 3773
- Mahadevan S.** see Ensley H. E. 6255
- Mahesh Reddy G.**  
**Prasunamba P. L.** and **Reddy P. S. N.**  
 Benzimidazoles to quinoxalines—a novel thermal rearrangement 3355
- Mai N.** see Calmes M. 379
- Maidwell N. L.** see  
 Bloodworth A. J. 1885
- Maier G.** see Hong B. 583
- Maignan C.** see Hayes P. 3687

- Maikap G. C.** see Khanna V. 3367
- Maiti S. Bhaduri S. Achari B.**
- Banerjee A. K. Nayak N. P.** and Mukherjee A. K.
- One-pot synthesis of optically pure tricyclo[5.3.1.0<sup>3,8</sup>]undecanes involving a novel triple Michael–Dieckmann reaction 8061
- Maitra U.** see Rao P. 5791
- Majani J.-P.** see Leriche P. 5115
- Majee A.** see Ranu B. C. 1109
- Majo V. J. and Perumal P. T.** Dimerization of substituted 2-aminobenzoic acids under Vilsmeier conditions: a novel route to the synthesis of 4-(3*H*)-quinazolinones 5015
- Majoral J. P.** see Slany M. 9053
- Mak C. C.** see Chow H.-F. 5935
- Mak T. C. W.** see Ng M.-K. 2979
- Makabe H.** see Konno H. 5393
- Maki T.** see Matsumura Y. 5715
- Maki T.** see Matsumura Y. 8063
- Makihira I.** see Kataoka Y. 7083
- Makino K. Kimura K.**
- Nakajima N. Hashimoto S.** and **Yonemitsu O.** Toward the total synthesis of hygrolidin: stereocontrolled construction of the C1–C17 seco-acid fragment and the C18–C25 masked hemiacetal subunit 9073
- Makino K. Nakajima N. Hashimoto S.** and **Yonemitsu O.** Total synthesis of 16-membered tetraene macrolide hygrolidin 9077
- Makioka Y.** see Taniguchi Y. 3465
- Maksimovic L.** see Moss R. A. 5849
- Maksimovic L.** see Warrener R. N. 3773
- Mai D. and Hazra N. K.** The first approach to kinamycin antibiotics: synthesis of kinafluorenone scaffold 2641
- Malacria M.** see Llerena D. 7027
- Malacria M.** see Llerena D. 7353
- Malacria M.** see Thorimbert S. 8483
- Malan C. Morin C.** and **Preckher G.** Two reducible protecting groups for boronic acids 6705
- Malara L.** see Coudret J. L. 2425
- Maldonado J.** see Vanelle P. 3323
- Malézieux B.** see Blanalt S. 6561
- Mallamo J. P.** see Subramanyam C. 2315
- Mallamo J. P.** see Subramanyam C. 459
- Mallik A. K.** see Dhara M. G. 8001
- Mallory C. W.** see Mallory F. B. 7173
- Mallory F. B. Butler K. E.** Evans A. C. and
- Mallory C. W.** Phenacenes: a family of graphite ribbons—I. Syntheses of some [7]phenacenes by stilbene-like photocyclizations 7173
- Mallouk T. E.** see Garcia M. E. 8313
- Malmquist J.** see Tjarks W. 6905
- Malpart J.** see Mutti S. 8743
- Malpass J. R. Hemmings D. A.** and **Wallis A. L.** Synthesis of epibatidine homologues: homoepibatidine and bis-homoepibatidine 3911
- Malusare M. G.** see Pansare S. V. 2859
- Mamer O.** see Zamir L. O. 6435
- Man H.-W.** see Jadhav P. K. 1153
- Mancini I.** see N'Diaye I. 3049
- Mandal A. K. Khanna V.** and **Iqbal J.** Cobalt(II) porphyrin: a versatile catalyst for the oxidation of organic substrates with dioxygen and 2-methyl propanal 3769
- Mandelli D.** see Schuchardt U. 6487
- Mander L. N. and Owen D. J.** Structure determination and synthesis of a new gibberellin, GA<sub>99</sub>, from spinach plants: 2β-hydroxy-GA<sub>19</sub> 723
- Mander L. N.** and **Sherburn M. S.** Unexpected C-arylation of a gibberellin: a cautionary note on the radical deoxygenation of homoallylic secondary alcohols 4255
- Mander L. N.** see Benjamin L. J. 8937
- Mander L. N.** see Bhaskar K. V. 719
- Mandville G.** see Girard C. 63
- Manfredini S.** see Kozikowski A. P. 5333
- Mangalagiu I. Benneche T.** and **Undheim K.** Trialkylalanes in palladium-catalyzed chemo- and regioselective alkylations 1309
- Mangeney P.** see Raussou S. 1599
- Mangoni A.** see Cafieri F. 3587
- Mangoni L.** see Adinolfi M. 5987
- Manhas M. S.** see Banik B. K. 1363
- Manhas M. S.** see Bose A. K. 6989
- Manitto P.** see Speranza G. 4247
- Mann A. Quaranta L.** Reginato G. and Taddei M. A general synthesis of oligopeptides containing an oxirane ring in the place of a peptidic bond 2651
- Mann A.** see Schneider M.-R. 8493
- Mann I. S.** see Bell D. 3895
- Manning D. D. Bertozzi C. R.** Rosen S. D. and Kiessling L. L. Tin-mediated phosphorylation: synthesis and selectin binding of a phospho Lewis a analog 1953
- Manning D. D.** see Schueler C. M. 8853
- Manoharan M.** Ramasamy K. S. Mohan V. and Cook P. D. Oligonucleotides bearing cationic groups: N<sup>2</sup>-(3-amino-propyl)-deoxyguanosine. Synthesis, enhanced binding properties and conjugation chemistry 7675
- Mansuy D.** see Boucher J.-L. 3113
- Manteca I. Sotomayor N.** Villa M.-J. and Lete E. Tandem carbophilic addition-N-acyliminium ion cyclization for the synthesis of functionalized pyrrolo[2,1-*α*]isoquinolones: key intermediates for the preparation of *erythrina*-type alkaloids 7841
- Mantick N. A.** see Gough G. R. 981
- Mantoulidis A.** see Mulzer J. 9179
- Manuel G.** see Mirza-Aghayan M. 3109
- Manwell J. J.** see Galatsis P. 5261
- Manzano P.** see Fernández de la Pradilla R. 6793
- Marais C. Steenkamp J. A.** and **Ferreira D.** The occurrence of phenylpyruvic acid in woody plants: biosynthetic significance 5763
- Maranto M. T.** see Sciafani J. A. 2193
- Marcantoni E.** see Bartoli G. 2293
- Marcantoni E.** see Bartoli G. 7421
- Marchand A. P. Kumar K. A.** Rajagopal D. Eckrich R. and Bott S. G. Generation and trapping of a

- caged cyclopentylidene-carbene 467  
**Marchand A. P.**  
 Ramaiah K. C. V.  
 Bott S. G. Gilbert J. C. and Kirschner S.  
 Generation and trapping of *N*-substituted 3-azetidinylidene-carbenes 8101  
**Marchand A. P.** see Moss R. A. 5849  
**Marchand-Brynaert J.** see Vanwetswinkel S. 2761  
**Marchese G.** see Fiandanese V. 8455  
**Marchesini G.** see Brands K. M. J. 2919  
**Marchionni C.** Vogel P. and Roversi P.  
 The simultaneous double Diels-Alder addition of 1,1-bis(3,5-dimethylfuran-2-yl)ethane; toward a new, asymmetric synthesis of long-chain polypropionate fragments and analogues 4149  
**Marcos I. S.** see Urones J. G. 1659  
**Marcotullio M. C.** see Cabri W. 4785  
**Marder R.** Bricard L.  
 Dubois J. Guénard D. and Guérin-Voeglein F.  
 Taxoids: 11,12-dihydro-4-deacetyldecetaxel 1777  
**Marek D.** Wadouachi A.  
 Uzan R. Beaupere D.  
 Nowogrocki G. and Laplace G.  
 A facile route to diastereomerically pure analogues of castanospermine and australine 49  
**Marek I.** see Bähr A. 5873  
**Marek I.** see Lorthiois E. 6689  
**Marek I.** see Lorthiois E. 6693  
**Marek I.** see Meyer C. 857  
**Marek R.** Sklenár V. Dostál J. and Slavík J.  
 Determination of a symmetrical dimer structure in benzo[c]phenanthridine alkaloids by pulsed-field-gradient HMBC 1655  
**Margan S.** see Patney H. K. 4621  
**Margarita R.** see De Mico A. 1889  
**Margolin A. L.** see Persichetti R. A. 6507  
**Margolin A. L.** see Wang Y.-F. 5317  
**Mariani A.** see De Mico A. 1889  
**Mariano P. S.** see Khim S.-K. 571  
**Marinelli F.** see Arcadi A. 3387  
**Marinic Z.** see Milanic-Majerski K. 4829  
**Marino J. P.** Anna L. J.  
 Fernández de la Pradilla R.  
**Martínez M. V.** Montero C. and Viso A.  
 Sulfoxide-controlled  $S_N2'$  displacements between cyanocuprates and epoxy vinyl sulfoxides 8031  
**Markó I. E.** Murphy F. and Dolan S.  
 Efficient preparation of trisubstituted alkenes using the Julia-Lythgoe olefination of ketones. On the key-role of  $\text{SmI}_2$  in the reductive elimination step 2089  
**Markó I. E.** Murphy F. and Dolan S.  
 Efficient synthesis of the left-hand subunit of milbemycin  $\beta$ 3 using a Suzuki coupling reaction 2507  
**Markus A.** see Kempin U. 5087  
**Marquis S.** and Arit M.  
 Aryl-aryl cross coupling on a solid support using zinc organic reagents and palladium catalysis 5491  
**Marquis S.** see Cahiez G. 1773  
**Marques D.** see Suda Y. 1053  
**Marquet J.** see Cervera M. 7591  
**Marquez V. E.** see Jeong L. S. 2353  
**Marquis C.** see Frérot E. 2023  
**Marquis D.** see Henze B. 5499  
**Marraud M.** see André F. 183  
**Marron K. S.** see Bennani Y. L. 8109  
**Marron T. G.** Woltering T. J.  
 Weitz-Schmidt G. and Wong C.-H.  
 C-Mannose derivatives as potent mimics of sialyl Lewis X 9037  
**Marsaioli A. J.** see de Oliveira C. M. A. 6427  
**Marsau P.** see Henze B. 5499  
**Marsault E.** and Just G.  
 Diastereoselective synthesis of phosphite triesters through a new bicyclic intermediate 977  
**Marshall P. S.** see Lane S. J. 1  
**Marshall R. L.** see Cokley T. M. 1905  
**Marsmann H.** see Kroke E. 3675  
**Marsura A.** see Sallas F. 4011  
**Martelli G.** see Bandini E. 4409  
**Martens J.** see Gröger H. 9291  
**Martens J.** see Peper V. 8351  
**Marti J.** see López-Calahorra F. 5019  
**Martin A.** Jouannetaud M.-P.  
 Jacquesy J.-C. and Cousson A.  
 Synthesis of atropoisomeric fluorocyclohexadienones by *ipso*-fluorination of binaphthol derivatives 7735  
**Martin A.** Jouannetaud M.-P. and Jacquesy J.-C.  
 Fluorination or hydroxylation of non activated C-H bonds in amides and ketones using  $\text{CCl}_4$  or NBS in superacids 2967  
**Martin A.** Jouannetaud M.-P. and Jacquesy J.-C.  
 Dehydrogenation of polycyclic ketones using trichloromethyl cation in superacid 7731  
**Martín A.** see Dorta R. L. 6021  
**Martin C.** Maddaluno J. and Duhamel L.  
 Synthesis and Diels-Alder reactivity of functionalized aminodienes and bis-dienes 8169  
**Martín H. J.** see Mulzer J. 9177  
**Martín J. D.** see Alvarez E. 2865  
**Martín J. D.** see Ravelo J. L. 2869  
**Martin L. M.**  
 Facile reduction in the synthesis of phosphoryl-choline affinity columns 7921  
**Martín M.** see Raposo C. 1485  
**Martín M.** see Raposo C. 6947  
**Martin M. T.** see Bourguet-Kondracki M. L. 3457  
**Martín N.** Sánchez L.  
 Seoane C. Andreu R.  
 Garín J. and Orduna J.  
 Semiconducting charge transfer complexes from [60]fullerene-tetrathiafulvalene ( $C_{60}$ -TTF) systems 5979  
**Martín N.** see de Lucas A. I. 9391  
**Martín N.** see Segura J. L. 2503  
**Martín O. R.** Liu L. and Yang F.  
 An efficient synthetic approach to aza-C-glycosyl compounds. Application to the synthesis of an aza-C-disaccharide 1991  
**Martín Castro A. M.** see García Ruano J. L. 4569  
**Martinelli M. J.** see Hutchison D. R. 2887  
**Martinelli M. J.** see Khau V. V. 4323  
**Martinez B. L.** see Benbow J. W. 8829  
**Martinez F. N.** see Tronche C. 5845  
**Martinez J.** see Gouilleux L. 7031  
**Martinez J.** see Paris M. 8489  
**Martinez J.** see Pothion C. 1027  
**Martínez M.** see Alvarez-Ibarra C. 6573  
**Martínez M. E.** see Méndez J. M. 4099  
**Martínez M. V.** see Marino J. P. 8031  
**Martinez R. L.** see McGee D. P. C. 1995  
**Martinez R. V.** see Godjoian G. 433  
**Martínez-Bernhardt R.** see Godjoian G. 433

- Martínez-Ripoll M.** see Fernández de la Pradilla R. 6793
- Martín-Lomas M.** see Alonso I. 1477
- Martín-Lomas M.** see Espinosa J.-F. 1467
- Martín-Martínez M.** García-López M<sup>†</sup> T. Herranz R. and González-Muñiz R. Synthesis of highly functionalized  $\gamma$ -lactam derivatives for use as conformational constraints in peptides 2471
- Martins M. A. P.** see Bonacorso H. G. 9155
- Martín-Zamora E.** see Lassaletta J. M. 5787
- Martres P.** see Chauvet F. 3695
- Maruo M.** see Taniguchi Y. 3465
- Maryanoff B. E.** Zhang H.-C. Greco M. N. Zhang E. Vanderhoff-Hanaver P. and Tulinsky A. Transformation of the marine natural product cyclothioneamide A by aqueous base. X-Ray analysis of a novel ligand complexed with human  $\alpha$ -thrombin 3667
- Maryanoff B. E.** see Zhang H.-C. 7897
- Maryanoff C. A.** see Zhang H.-C. 7897
- Marziano N. C.** see Riego J. M. 513
- Marzinik A. L.** and Felder E. R. Solid support synthesis of highly functionalized pyrazoles and isoxazoles; scaffolds for molecular diversity 1003
- Masaguer C. F.** and Raviña E. A practical and efficient route for synthesis of 6-aminomethyl-4-oxo-4,5,6,7-tetrahydroindoles as new CNS agent precursors 5171
- Masaki Y.** Yoshizawa K. and Itoh A. Total synthesis of thromboxane B<sub>2</sub> starting from (R,R)-tartaric acid as a chiral pool 9321
- Masalov N.** see Kulinkovich O. 1095
- Masamune S.** see Abiko A. 1077
- Masamune S.** see Abiko A. 1081
- Mascal M.** Hext N. M. and Shishkin O. V. Azatriquinane, azatriquinacene, and a remarkable dimerization product 131
- Mascal M.** Richardson J. L. Blake A. J. and Li W.-S.
- Molecular structure of the s-triazine-Br<sub>2</sub> complex 3505
- Mascaretti O. A.** see Danelon G. O. 4431
- Mascaretti O. A.** see Furlán R. L. E. 5229
- Masciadri R.** see Alzeer J. 6857
- Masereel B.** Lebrun P. Dogné J. M. de Tullio P. Pirotte B. Pochet L. Diouf O. and Delarge J. First synthesis of 4-substituted benzenesulfonylcyanoguanidines 7253
- Mashio H.** see Sano H. 8891
- Masojídková M.** see Endová M. 3497
- Mason J. C.** see Strekowski L. 4655
- Massa A.** see Izzo I. 4775
- Mastalerz H.** Doyle T. W. Kadow J. F. and Vyas D. M. Synthesis of an esperamicin core analog with an epoxide trigger 8683
- Mastalerz H.** Doyle T. W. Kadow J. F. and Vyas D. M. Synthesis of a hybrid analog of the esperamicin and dynemicin cores 8687
- Master H. E.** Newadkar R. V. Rane R. A. and Kumar A. Highly efficient enzymatic resolution of homoallyl alcohols leading to a simple synthesis of optically pure fluoxetine and related compounds 9253
- Mastrocola A. R.** see Fortunak J. M. D. 5679
- Mastrocola A. R.** see Fortunak J. M. D. 5683
- Mastrorilli P.** see Ravasio N. 3529
- Masuda K.** see Arai Y. 4381
- Masui Y.** see Mori H. 7771
- Masumoto K.** see Kobayashi M. 3005
- Masuyama Y.** Kishida M. and Kurusu Y.  $\gamma$ -syn-Selective carbonyl allylation by 1-bromo-2-butene with tin(II) iodide and tetrabutylammonium bromide 7103
- Mata E. G.** see Danelon G. O. 4431
- Mata E. G.** see Furlán R. L. E. 5229
- Mataka S.** Mitoma Y. Sawada T. and Tashiro M. Triple-layered orthonaphtho-[3,3]orthobenzeno[3,3]orthonaphthophane 65
- Matheu M.** see Farràs J. 901
- Mathew T.** Keller M. Hunkler D. and Prinzbach H. [6 + 6]-Photocycloadditions in 'face-to-face' benzo/pyridazine systems en route to azapagodanes (azadodecahedranes) 4491
- Mathews J. E.** see Jones G. B. 3643
- Mathieu H.** see Agami C. 4001
- Mathivanan P.** see Ghosh A. K. 3815
- Mathur R. K.** see Bordoloi M. 6791
- Matloubi Moghaddam F.** and Ghaffarzadeh M. Rapid dehydro sulfonylation of sulfoxides under microwave irradiation 1855
- Matsubara J.** see Matsumoto M. 397
- Matsubara J.** see Matsumoto M. 5939
- Matsuda A.** see Nishizono N. 7569
- Matsuda A.** see Ono S. 221
- Matsuda A.** see Shuto S. 187
- Matsuda A.** see Shuto S. 641
- Matsuda A.** see Takahashi T. 2433
- Matsuda C.** see Takahashi C. 655
- Matsuda H.** see Ishida K. 9225
- Matsuda H.** see Okada S. 1065
- Matsuda S.** see Sugiyama H. 9067
- Matsuda T.** see Nakamura K. 1629
- Matsuda T.** see Nakamura K. 5727
- Matsugi T.** see Hamachi I. 9233
- Matsui M.** see Katsuyama I. 4177
- Matsukura H.** see Morimoto M. 6365
- Matsukura H.** see Nakata T. 213
- Matsukura H.** see Nakata T. 217
- Matsumori N.** Nonomura T. Sasaki M. Murata M. Tachibana K. Satake M. and Yasumoto T. Long-range carbon-proton coupling constants for stereochemical assignment of acyclic structures in natural products: configuration of the C5-C9 portion of maitotoxin 1269
- Matsumoto A.** see Sugimoto M. 8887
- Matsumoto H.** and Shinkai S. Metal-induced conformational change in pyrene-appended calix[4]crown-4 which is useful for metal sensing and guest tweezing 77
- Matsumoto K.** see Seki M. 3165
- Matsumoto M.** Arai N. and Watanabe N. 3-(4-Acyl-3-hydroxyphenyl)-1,2-dioxetanes as a chemiluminescent substrate with high efficiency in an aqueous system 8535
- Matsumoto M.** Kitano Y. Kobayashi H. and Ikawa H.

- Singlet oxygenation of 1-aminomethyl-1-*tert*-butyl-2-methoxy-2-(3-methoxy-phenyl)ethylenes: marked effect of allylic nitrogen on the reaction pathways and chemoselectivity 8191
- Matsumoto M.** Kobayashi H.  
Matsubara J. Watanabe N.  
Yamashita S. Oguma D.  
Kitano Y. and Ikawa H.  
Effect of allylic oxygen on the reaction pathways of singlet oxygenation: selective formation of 1,2-dioxetanes from 1-alkoxymethyl-2-aryl-1-*tert*-butyl-2-methoxyethylenes 397
- Matsumoto M.** Watanabe N.  
Kobayashi H. Suganuma H.  
Matsubara J. Kitano Y. and Ikawa H.  
Synthesis of 3-alkoxymethyl-4-aryl-3-*tert*-butyl-4-methoxy-1,2-dioxetanes as a chemiluminescent substrate with short half-life emission 5939
- Matsumoto T.** see Hosoya T. 663
- Matsumoto T.** see Takahashi T. 2433
- Matsumoto T.** see Yamamoto Y. 7801
- Matsumoto Y.** see Mikami K. 8515
- Matsumoto Y.** see Shimizu I. 7115
- Matsumoto Y.** see Ueoka R. 3461
- Matsumoto Y.** see Ueoka R. 3461
- Matsumura S.** see Toshima K. 1069
- Matsumura S.** see Toshima K. 1073
- Matsumura Y.** Kinoshita T.  
Yanagihara Y. Kanemoto N. and Watanabe M.  
New synthetic method of optically active  $\alpha$ -methylproline and  $\alpha$ -methylpipecolinic acid using electrochemical oxidation as a key reaction 8395
- Matsumura Y.** Yoshimoto Y.  
Horikawa C. Maki T. and Watanabe M.  
Regio- and stereo-selective introduction of a bis(methoxycarbonyl)methyl group into the  $\gamma$ -position of the piperidine skeleton 5715
- Matsumura Y.** Yoshimoto Y.  
Horikawa C. Maki T. and Watanabe M.  
Corrigendum 8063
- Matsunaga K.** Saitoh M. and Ohizumi Y.  
Acanthostrol, a novel antineoplastic *cis, cis, cis*-germacranolide from *Acanthospermum australe* 1455
- Matsunaga N.** see Fujioka H. 2245
- Matsunaga S.** see Fukuzawa S. 1447
- Matsunaga S.** see Suginome M. 8887
- Matsunaga S.** see Ushio-Sata N. 225
- Matsuo I.** Isomura M.  
Walton R. and Ajisaka K.  
A new strategy for the synthesis of the core trisaccharide of asparagine-linked sugar chains 8795
- Matsuoka R.** T. see Flisak J. R. 4639
- Matsuoka T.** see Eto M. 2445
- Matsushima T.** Horita K.  
Nakajima N. and Yonemitsu O.  
Synthetic studies of 18-membered anti-tumor macrocyclic, tedanolide. Computer-aided conformational design of a seco-acid derivative for efficient macrolactonization 385
- Matsushita K.** see Miki Y. 7753
- Matsuya Y.** see Itoh T. 4165
- Mattalia J.-M.** Berchadsky Y.  
Pérez E. Négrell J.-C.  
Tordo P. and Chanon M.  
Occurrence of a radical intermediate during the reductive decyanation of an  $\alpha$ -sulfonitrile with LiAlH<sub>4</sub> 4717
- Mattalia J.-M.** see Hada C. 3845
- Mattay J.** see Averdung J. 4683
- Mattay J.** see Buhr S. 1195
- Mattay J.** see Hintz S. 7349
- Mattern R.-H.** Synthesis of N-substituted pyrrolin-2-ones 291
- Matteucci M. D.** and von Krosigk U.  
Hybridization properties of oligonucleotides bearing a tricyclic 2'-deoxycytidine analog based on a carbazole ring system 5057
- Matteucci M. D.** see Lin K.-Y. 8667
- Matteucci M. D.** see Zou R. 941
- Mattner P. G.** see Xu D. 5301
- Matulic-Adamic J.** and Beigelman L.  
Synthesis of 1-deoxy-1-C-(*p*-aniline)- $\beta$ -D-ribofuranose and its incorporation into hammerhead ribozymes 6973
- Maume D.** see Negrioli J. 5365
- Maumy M.** see Rousselet G. 8497
- Maurer M.** see Linker T. 8363
- Mauriello G.** see D'Auria M. 8217
- Maurin R.** see Charrouf-Chafchaouni Z. 5099
- Maurizis J. C.** see Contino C. 9049
- Mävers U.** see Patil V. J. 1281
- Mavratzotis M.** Dourtoglou V.  
Lorin C. and Rollin P.  
Glucosinolate chemistry. First synthesis of glucosinolates bearing an external thio-function 5699
- Mavropoulos I.** and Perlmutter P.  
The total synthesis of pamamycin 607-1. Synthesis of a C1'-C1' synthon 3751
- Mayer G.** Wille G. and Steglich W.  
Total synthesis of arcyroxocin A 4483
- Mayer J. P.** Bankaitis-Davis D.  
Zhang J. Beaton G.  
Bjergaard K.  
Andersen C. M.  
Goodman B. A. and Herrera C. J.  
Application of the Pictet-Spengler reaction in combinatorial chemistry 5633
- Mayer J. P.** Zhang J.  
Bjergaard K. Lenz D. M. and Gaudino J. J.  
Solid phase synthesis of 1,4-benzodiazepine-2,5-diones 8081
- Mayer S.** and Prandi J.  
Oxygenative radical cyclization with molecular oxygen 3117
- Mayes N.** see Spino C. 6503
- Mayoral J. A.** see Fraile J. M. 5995
- Mazaleyrat J.-P.** Gaucher A.  
Wakselman M.  
Tchertanov L. and Guilhem J.  
A new chiral  $\alpha$ -aminoacid with only axial dissymmetry: synthesis and X-ray analysis of a 1,1'-binaphthyl-substituted  $\alpha$ -aminoisobutyric acid (Bin) and of its biphenyl analogue (Bip) 771
- Mazhukin D. G.** see Khlestkin V. K. 5997
- Mazières M.-R.** see Rivière F. 6717
- McAlonian H.** Montgomery D. and Stevenson P. J.  
Approaches to diene based homopumiliotoxin alkaloids 7151
- McAuliffe J. C.** Stick R. V. and Stone B. A.  
 $\beta$ -Acarbose: a potential inhibitor of  $\beta$ -D-glucosidases and  $\beta$ -D-glucan hydrolases 2479
- McCague R.** see Morgan P. E. 4795
- McCague R.** see Palmer C. F. 4601
- McCarthy J. R.** see Kim K.-I. 3223

- McCarthy S. J.** see Galt R. H. B. 8035
- McCarthy T. J.** see Mishani E. 319
- McClure C. K. Herzog K. J. and Bruch M. D.** Structure determination of the Diels–Alder product of a ketovinylphosphonate with *E*-1-acetoxy-1,3-butadiene 2153
- McClure C. K. and Hansen K. B.** Diels–Alder reactivity of a ketovinylphosphonate with cyclopentadiene and furan 2149
- McClure L. D.** see Wright S. W. 4631
- McClure L. D.** see Wright S. W. 6965
- McCluskey A.** see Cokley T. M. 1905
- McCombie S. W.** see Shankar B. B. 4095
- McCombie S. W. see Tagat J. R.** 8459
- McCombie S. W. see Tagat J. R.** 8463
- McConnell D. B.** see Black D. STC. 241
- McCort I. Duréault A. and Depezay J.-C.** Practical route to D-manno and D-glucu azasugars from *C*<sub>2</sub> symmetric bis-aziridines 7717
- McCullough K. J.** see Ushigoe Y. 2093
- McDonald F. E. and Bowman J. L.** Tungsten carbonyl-induced cyclizations of alkynyl alcohols to dihydropyranlydene carbenes and  $\alpha$ -stannyli dihydropyrans 4675
- McDonald J. C.** see Fry D. F. 6227
- McEachern E. J.** see Piers E. 1173
- McGarvey G. J.** Stepanian M. W. Bressette A. R. and Ellena J. F. *cis*- and *trans*-1,7,9-Trioxadispiro[5.1.5.3]hexadecane: stability studies and solution structures 5465
- McGarvey G. J. and Stepanian M. W.** *cis*- and *trans*-1,7,9-Trioxadispiro[5.1.5.3]hexadecane: synthetic studies 5461
- McGee D. P. C. Sebesta D. P. O'Rourke S. S.** Martinez R. L. Jung M. E. and Pieken W. A. Novel nucleosides via intramolecular functionalization of 2',2'-anhydrouridine derivatives 1995
- McGill J. M. LaBell E. S. and Williams M.** Hydride reagents for stereoselective reductive amination. An improved preparation of 3-*endo*-tropanamine 3977
- McGrath D. V. Wu M.-J. and Chaudhry U.** An approach to highly functionalized dendrimers from chiral, non-racemic synthetic monomers 6077
- McKee T. C.** see Bokesch H. R. 3259
- McKerlie L. A.** see Crimmins M. T. 8703
- McKerrecher D.** see Charoenying P. 1913
- McKerrecher D.** see Graham A. E. 7445
- McKervey M. A.** see Doyle M. P. 4129
- McKervey M. A.** see Fanni S. 7975
- McKiernan M. T. and Heaney F.** Chemoselective formation of symmetrically linked bisisoazole units: steps toward isoxazoline/isoxazolidine based macrocycles 4597
- McLaughlin J. L.** see Zeng L. 5449
- McLaughlin M. L.** see Dávila A. 2517
- McLaughlin M. L.** see Sánchez Peña M. 5841
- McLean K.** see Creary X. 579
- McLean S.** see Henry G. E. 8663
- McMills M. C. Wright D. L.** Zubkowski J. D. and Valente E. J. Facile generation of aziridines from the reaction of  $\alpha$ -diazoamides with tethered oximino-ethers 7205
- McMills M. C.** see Chappie T. A. 6523
- McMills M. C.** see Wright D. L. 2165
- McMurray J. S.** see Wang W. 6661
- McNicholas C. Simpson T. J. and Willett N. J.** Enantioselective synthesis of fusarene methyl ethers: insecticidal metabolites of *Fusarium larvarum* 8053
- McPartlin M.** see Warren S. 5609
- McPhail C. L.** see Cory R. M. 1983
- McPhail C. L.** see Cory R. M. 1987
- McWilliams J. C.** see Molander G. A. 7197
- Mechnik O. and Kessler H.** Synthesis of axinastatins 2–5 5355
- Medarde M. Ramos A. C. Caballero E. López J. L. Peláez-Lamamié de Clairac** R. and San Feliciano A. A new approach to the synthesis of podophyllotoxin based on epimerization reactions 2663
- Medarde M.** see Caballero E. 6951
- Médebielle M.** Aromatic N–N exchange reactions of *N,N*-dimethylamino *gem*-difluorinated heterocycles. A convenient synthesis of new 5-imidazol-1-yl  $\alpha,\alpha$ -difluoroketones 5119
- Medforth C. J.** see Kozyrev A. N. 747
- Meguro M. Kamijo S. and Yamamoto Y.** Palladium catalyzed intramolecular hydrocarbonation of allenes leading to carbocycles 7453
- Mehrman S. J.** see Takacs J. M. 2749
- Mehrotra A. P. and Gani D.** Synthesis of functionalised cyclic pentapeptide analogues of the serine–threonine protein phosphatase inhibitor nodularin 6915
- Mehta G. Reddy K. S. and Kunwar A. C.** A concise entry into the bicyclo[6.4.0]dodecane system present in taxanes. Regioselective Haller–Bauer cleavage in tricyclo-[8.2.1.0<sup>2,9</sup>]tridecan-13-ones 2289
- Mehta G. and Ravikrishna Ch.** Base catalyzed pentacyclo-[4.3.0.0<sup>2,4</sup>.0<sup>3,8</sup>.0<sup>5,7</sup>]nonan-9-one (norsoutanone) → tricyclo[3.2.1.0<sup>2,7</sup>]octane transformation: a higher order fragmentation? 2655
- Mehta G. and Sengupta S.** An expeditious synthesis of 4-aryl- $\gamma$ -butyrolactones, -furan-2(5*H*)-ones and 5-alkoxyfuran-2(5*H*)-ones via Heck-reaction of arenediazonium salts with 2,5-dihydrofuran 8625
- Mehta G. and Uma R.** An exceptionally simple and convenient method for dethioacetalization 1897
- Mei X.** see Halterman R. L. 6291
- Meidine M. F.** see Benito A. M. 1085
- Meier H. and Dullweber U.** Bis(stilbonyl)squaraines—novel pigments with extended conjugation 1191
- Meier H.** see Cao D. 4487
- Meinwald J.** see Glisan King A. 2141
- Meinwald J.** see Rydberg D. B. 1129

- Mekonnen B.** see Lai J.-Y. 7167
- Meldal M.** see Renil M. 6185
- Meléndez-Rodríguez M.** see Joseph-Nathan P. 8093
- Mellinger M.** see Fortunak J. M. D. 5679
- Mellinger M.** see Fortunak J. M. D. 5683
- Mellinger M.** see Sisko J. 8113
- Mello R.** see Asensio G. 2299
- Mellor J. M.** **Merriman G. D.** **Rataj H.** and **Reid G.** Direct synthesis of 3,4-dihydro-2*H*-pyrido[1,2-*a*]pyrimidines by addition reactions with 2-amino-pyridines 2615
- Mellor J. M.** and **Rataj H.** A general route to cyclic amidines and isothioureas based on formal aza Diels-Alder reactions of aminoheterocycles 2619
- Melnik O.** see Klinguer C. 7259
- Melnik P.** see Bourel L. 4145
- Memoli K. A.** A convenient preparation of 3-mercaptopicolinic acid 3617
- Mendelson W. L.** see Flisak J. R. 4639
- Mendenhall G. D.** see Jin D. 4881
- Méndez J. M.** **Flores B.** León F. Martínez M. E. Vázquez A. García G. A. and Salmón M. A new synthesis of monosubstituted succinaldehydes and 3-substituted pyrroles from acetonitriles. Formal synthesis of 2,3-dihydro-7-methyl-2*H*-pyrrolizidin-1-one (Danaidone), a semiochemical of Danaid butterflies 4099
- Menéndez J. C.** see Pérez J. M. 6955
- Ménez A.** see Hammadi A. 3309
- Meng Q.** see Hanessian S. 9001
- Menger F. M.** and **Chen X. Y.** Synthesis of a double-phospholipid 323
- Menger F. M.** see Binder W. H. 8963
- Menger F. M.** see West C. A. 9135
- Menichincheri M.** see Pinciroli V. 9365
- Menzek A.** see Balci M. 921
- Menzer S.** see Ashton P. R. 6217
- Menzer S.** see Fonte P. 6205
- Menzer S.** see Kohnke F. H. 4593
- Merckling F. A.** and **Rüedi P.** Diastereoselectivity in nucleophilic displacement reactions at phosphorus; isolation and characterization of a pentacoordinated intermediate 2217
- Mereyala H. B.** see Krishnudu K. 6007
- Mergelsberg I.** see Gala D. 8117
- Mérour J.-Y.** see Desarbre E. 43
- Merriman G. D.** see Mellor J. M. 2615
- Méry J.** see Sola R. 9195
- Messeguer A.** see Ferrer M. 3585
- Meth-Cohn O.** and **Cheng Y.** The Vilsmeier formylation of *N*-(4-tolyl)pyrrolidine, -piperidine and -perhydrazepine: further examples of the 't-amino effect' 2679
- Meth-Cohn O.** and **Goon S.** Synthetic applications of unpoled Vilsmeier reagents—a new simple one-pot route to isatins from formanilides 9381
- Metz P.** **Seng D.** and **Plietker B.** Desulfurization of sultones with simultaneous methylation 3841
- Metzner P.** see Alayrac C. 4507
- Meunier S. J.** and **Roy R.** Polysialosides scaffolded on *p*-*tert*-butylcalix[4]arene 5469
- Meutermans W. D. F.** and **Alewood P. F.** A simple and effective procedure for the synthesis of the 'difficult' phosphotyrosine-containing peptide Stat 91 (695-708) 4765
- Meyer A.** see Kermarrec C. 5691
- Meyer C.** **Marek I.** and **Normant J.-F.** Stereoselective synthesis of linear and angular trquinanes skeletons via the zinca-ene-allene reactions 857
- Meyer C.** **Piva O.** and **Pete J.-P.** Competition between intramolecular [2 + 2] photocycloaddition and hydrogen-abstraction reactions from 2-carboxamidocyclopent-2-enes 5885
- Meyer C.** see El Kaim L. 375
- Meyer C.** see Lorthois E. 6689
- Meyer M.** and **Guyot M.** Synthesis of 2-substituted indolo pyridin-4-ones 4931
- Meyer T. J.** see López B. R. 5437
- Meyers A. I.** and **Novacheck K. A.** Pd-Mediated cross-coupling of aryl, alkenyl, and alkynyl stannanes with chiral 2-bromo oxazolines 1747
- Meyers A. I.** and **Willemsen J. J.** An asymmetric synthesis of (+)-apogossypol hexamethyl ether 791
- Meyers A. I.** see Novacheck K. A. 1743
- Meyers A. I.** see Pryde D. C. 3243
- Mi L.** see Hoye T. R. 3097
- Miao G.** see Superchi S. 6057
- Miao G.** see Superchi S. 6061
- Michael J. P.** de Koning C. B. and Stanbury T. V. A versatile synthesis of tricyclic analogues of quinolone antibacterial agents: use of a novel Reformatsky reaction 9403
- Michael K.** and **Kessler H.** Michael-type additions in the synthesis of  $\alpha$ -O- and  $\beta$ -S-2-deoxyglycosides 3453
- Michalak K.** Stepanenko W. and Wicha J. New diastereoselective approach to *trans*-hydrindane derivatives. Synthesis of an 8-phenylsulphonyl-*A,B*-descholestane derivative, a precursor to 25-hydroxyvitamin D<sub>3</sub> 7657
- Mickelson J. W.** see Romero A. G. 2361
- Mickevicius V.** and **Bylinskaitė J.** Synthesis of 1-aryl-2-methyl-3-ethoxycarbonyl-1,4,5,6-tetrahydro-4(1*H*)-pyridones and their derivatives 3489
- Micouin L.** **Quirion J.-C.** and **Husson H.-P.** Asymmetric synthesis—XL. 2,3-Disubstituted piperidines via chiral non-racemic lactams 849
- Micskei K.** see Kovács G. 1293
- Middleton D. S.** see Robertson J. 3411
- Middleton P. J.** see Wang G. 2739
- Mierzwa R.** see Chu M. 3943
- Mierzwa R.** see Chu M. 7229
- Miesch-Gross L.** see Franck-Neumann M. 8763
- Mihara S.** see Kita Y. 1817
- Mikami K.** and **Kishino H.** Silyl triflate-catalyzed oxonium-ene reaction of lactol allylic ethers: a new and stereocontrolled route to substituted oxygen heterocycles 3705
- Mikami K.** **Yoshida A.** and **Matsumoto Y.** Catalytic asymmetric carbonyl-ene reactions with alkynylous and vinylous glyoxylates: application to controlled synthesis of chiral isocarbacyclin analogues 8515

- Miki S.** Kitao M. and Fukunishi K.  
Introduction of two benzyl groups to C<sub>60</sub> by using the Collman reagent 2049
- Miki T.** see Kitamura M. 5141
- Miki Y.** Tada Y., Yanase N., Hachiken H. and Matsushita K.  
Reaction of indole-2,3-dicarboxylic anhydride with (3-bromo-4-pyridyl)triisopropoxytitanium: synthesis of ellipticine 7753
- Mikló K.** Jaszberenyi J. Cs., Kádas I., Árvai G. and Töke L.  
Direct and indirect radical denitrations of intermediates in the synthesis of sorgolactone and its nuclear analogs 3491
- Milat M.-L.** see Ducrot P.-H. 3121
- Miles W. H.** Berreth C. L. and Anderton C. A.  
The ene reaction of 3-methylene-2,3-dihydrofuran with aldehydes 7893
- Milgrom L. R.** and Yahiroglu G.  
*trans*-Disubstituted meso-tetraethylporphyrins 4069
- Milic D. R.** see Šolaja B. A. 3765
- Millan S. D.** see Galatsis P. 5261
- Millburn K.** see Less S. L. 3515
- Miller A. K.** see Zhao S.-H. 4463
- Miller A. V.** see Ding C. Z. 4447
- Miller B.** see Ionescu D. 1559
- Miller J. F.** and Spaltenstein A.  
Formation and isolation of simple, stable, acyclic di- and tripeptide hemiacetals 2521
- Miller M. J.** see Zhang D. 3799
- Miller R. A.** Li W. and Humphrey G. R.  
A ruthenium catalyzed oxidation of steroidal alkenes to enones 3429
- Miller R. D.** see Audia J. E. 4121
- Miller T. J.** see Gough G. R. 981
- Millot N.** see Guillou C. 4515
- Mills G.** see Shaw-Ponter S. 1867
- Mills K.** see Beddoes R. L. 9119
- Mills K.** see Gilbert P. 9115
- Mimaki Y.** Kuroda M., Sashida Y., Hirano T., Oka K., Dobashi A., Koshino H. and Uzawa J.  
Three novel rearranged cholestanane glycosides from *Ornithogalum saundersiae* bulbs and their cytostatic activities on leukemia HL-60 and MOLT-4 cells 1245
- Mimura N.** see Ibuka T. 2849
- Minami H.** see Fukuyama Y. 6767
- Minami T.** see Ichikawa J. 8799
- Mincione E.** see Saladino R. 2647
- Minegishi T.** see Ikeda H. 4377
- Minguez J. M.** Vaquero J. J., García-Navio J. L. and Alvarez-Builla J.  
Improved synthesis of pyrrolo[1,2-*c*]pyrimidine and derivatives 4263
- Minisci F.** see Araneo S. 6897
- Minisci F.** see Araneo S. 7425
- Mink D.** and Deslongchamps G.  
A novel scaffold for the modular assembly of receptor models 7035
- Minoura K.** see Takahashi C. 655
- Mintz E. A.** see Bu X. R. 7331
- Minutolo F.** Pini D. and Salvadori P.  
Polymer-bound chiral (salen)Mn(III) complex as heterogeneous catalyst in rapid and clean enantioselective epoxidation of unfunctionalised olefins 3375
- Mion L.** see Collet H. 9043
- Mioskowski C.** see Heckmann B. 1421
- Mioskowski C.** see Heckmann B. 1425
- Mioskowski C.** see Lucet-Levannier K. 2007
- Mioskowski C.** see Nuss S. 5705
- Mioskowski C.** see Schlama T. 7047
- Miranda M. A.** see Pérez-Prieto J. 4923
- Mironov A. F.** Lebedeva V. S., Levinson E. G., Chupin V. V. and Bonnett R.  
Oxidative silylation of zinc pyropheophorbide  $\alpha$  methyl ester 6395
- Mirza-Aghayan M.** Boukherroub R., Etemad-Moghadam G., Manuel G. and Koenig M.  
Zirconacyclisation: access to new racemic (di) phosphines 3109
- Mirzabekov A. D.** see Timofeev E. N. 8467
- Mischitz M.** see Kroutil W. 8379
- Mishani E.** Dence C. S., McCarthy T. J. and Welch M. J.  
Formation of phenylpiperazines by a novel alumina supported bis-alkylation 319
- Mishra A. K.** Draillard K., Faivre-Chauvet A., Gestin J. F., Curlet C. and Chatal J.-F.  
A convenient, novel approach for the synthesis of polyaza macrocyclic bifunctional chelating agents 7515
- Mislin G.** Graf E. and Hosseini M. W.  
Synthesis of an *exo*-ditopic receptor based on calix[4]arene and catechol 4503
- Mita T.** see Nakamura Y. 3877
- Mitamura F.** see Kaneta N. 5385
- Mitchell H. J.** and Warren S.  
Diphenylphosphinoyl lactones in the control of remote stereochemistry 2105
- Mitchell H. J.** see Guéguen C. 7461
- Mitchell J. W.** see Ciufolini M. A. 8281
- Mitchell R. H.** and Chen Y.  
Synthesis of the elusive dibenzannelated dihydropyrene dibenzo[e,f]dimethyldihydropyrene, a molecular photo-switch 5239
- Mitchell R. H.** and Chen Y.  
Stopping the aromatic ring current. Synthesis of the first bis-metal complexed benzannulene. On the way to a molecular conductor with a photo-switch 6665
- Mitchell W. L.** see Kocovsky P. 1125
- Mitchell W. L.** see Kocovsky P. 5585
- Mitoma Y.** see Mataka S. 65
- Mitsuhashi M.** see Yokoyama Y. 9309
- Miura K.** Funatsu M., Saito H., Ito H. and Hosomi A.  
Titancene- and zirconocene-mediated cyclization of allyl propargyl ethers.  
Stereoselective synthesis of 3-methylenetetrahydrofurans 9059
- Miura K.** Hondo T., Okajima S. and Hosomi A.  
Stereoselective synthesis of 2,5-disubstituted tetrahydrofurans by silicon-directed cyclization of vinylsilanes bearing a hydroxy group 487
- Miura K.** Itoh D., Hondo T., Saito H., Ito H. and Hosomi A.  
Allylstannylation of alkynes via a radical process:  
stereoselective synthesis of di- and tri-substituted vinylstannanes 8539
- Miura S.** see Miyaka H. 7107
- Miyachi M.** see Shinada T. 7099
- Miyagawa H.** see Inoue M. 5731
- Miyagawa H.** see Inoue M. 8823
- Miyaji T.** see Tsukahara K. 3149

- Miyake H.** see Yamamura K. 4965
- Miyake T. Seki M.**
- Nakamura Y. and Ohmizu H.** Synthesis of a novel chiral 1,3-benzoxazinone auxiliary and its application to highly diastereoselective aldol reaction 3129
- Miyake T.** see Seki M. 5565
- Miyamoto H.** see Fuji K. 7111
- Miyamoto K.** see Takahashi Y. 5547
- Miyano S.** see Hattori T. 2057
- Miyaoka H. Saka Y. Miura S. and Yamada Y.** Total synthesis of phomactin D 7107
- Miyaoka H. Shigemoto T. and Yamada Y.** Synthesis of constanolactone E 7407
- Miyasaka T.** see Kittaka A. 2801
- Miyashi T.** see Ikeda H. 4377
- Miyashi T.** see Takahashi Y. 1841
- Miyashi T.** see Takahashi Y. 5547
- Miyashiro M.** see Konishi H. 8547
- Miyata O. Nishiguchi A. Ninomiya I. Naito T. Aoe K. and Okamura K.** Hydroximate as a synthetically useful functional group: a novel synthesis of lactones using hydroximates as a tether 229
- Miyaura N.** see Ishiyama T. 6889
- Miyaura N.** see Saito S. 2993
- Miyazaki Y.** see Ramesh U. 8403
- Mizojiri R.** see Kobayashi Y. 6125
- Mizojiri R.** see Kobayashi Y. 8531
- Mizuno K. Konishi S. Takata T. and Inoue H.** Regioselective intramolecular photocycloaddition of 1-cyano-2-(2-oxa-4-alkenyl)naphthalenes in the presence of Eu(III) salt 7775
- Mizuno K. Nishiyama T. Takahashi N. and Inoue H.** Photoinduced C<sub>3</sub>-unit introduction to electron-deficient molecules by use of cyclopropanone silyl acetals via electron transfer 2975
- Mizuno Y.** see Hashimoto K. 2275
- Mizuoichi M.** see Fujita K. 4035
- Mizusaki T.** see Aoyagi Y. 9203
- Mizutani J.** see Fukushi Y. 4737
- Mizutani T. Murakami T. and Ogoshi H.** Dynamics of molecular recognition of multi-point host-guest complex 5369
- Mizutani T. Takagi H. and Ogoshi H.** Role of van der Waals forces in enantioselective processes 2581
- Mjalli A. M. M. Sarshar S. and Baiga T. J.** Solid phase synthesis of pyrroles derived from a four component condensation 2943
- Mjalli A. M. M.** see Cao X. 6073
- Mjalli A. M. M.** see Sarshar S. 835
- Mjalli A. M. M.** see Short K. M. 7489
- Mjalli A. M. M.** see Zhang C. 5457
- Mjalli A. M. M.** see Zhang C. 751
- Mladenova M. Alami M. and Linstrumelle G.** An efficient stereocontrolled synthesis of functionalized chlorodienes and chlorotrienes 6547
- Mlinaric-Majerski K. Pavlovic D. and Marinic Z.** A facile, general route to adamantanophanes. Synthesis and conformational behavior of [4.4](1,3)adamantanophan-*trans,trans*-1,8-diene 4829
- Mochizuki T.** see Shiozaki M. 3875
- Mochizuki T.** see Shiozaki M. 7271
- Mochizuki T.** see Shiozaki M. 8627
- Mock-Knobauch C.** see Adam W. 6531
- Modarelli D. A.** see Reed S. C. 7209
- Moeller K. D.** see Frey D. A. 8317
- Mohammadi F.** see Grieco P. A. 2699
- Mohan R. Chou Y.-L. and Morrissey M. M.** Pictet-Spengler reaction on solid support: synthesis of 1,2,3,4-tetrahydro-β-carboline libraries 3963
- Mohan R.** see Buckman B. O. 4439
- Mohan R.** see Yun W. 7189
- Mohan S.** see Bordoloi M. 6791
- Mohan V.** see Manoharan M. 7675
- Mohanakrishnan A. K. and Srinivasan P. C.** Synthesis of 4-substituted-1,2,3,4-tetrahydro-β-carbolines via intramolecular radical cyclisation and Heck reaction 2659
- Moher E. D.** Novel asymmetric synthesis of a bicyclo[3.1.0]hexane derivative by an efficient retro-Diels-Alder strategy 8637
- Mohtat N.** see Connolly T. J. 4919
- Monet C.** see Poignant G. 7511
- Moise C.** see Szymoniak J. 33
- Molander G. A. and McWilliams J. C.** Mild preparation of allylic tartaramide acetals in DMF 7197
- Molina M<sup>a</sup> L.** see Carretero J. C. 3179
- Molina P. Fresneda P. M. Garcia-Zafra S.** Iminophosphorane-mediated synthesis of 1-acyl-β-carbolines: a new access to the alkaloids eudistomin T, S and xestomanzamine A of marine origin 9353
- Molina P. Pastor A. Vilaplana M. J. and Ramirez de Arellano M. C.** An efficient preparation of novel ferrocene derivatives viaaza Wittig reaction and X-ray structure of bis(β-ferrocenyl-vinyl)carbodiimide 7829
- Molina P.** see Alajarín M. 8945
- Molins E.** see Gálvez N. 6197
- Molinski T. F.** Absolute configuration of phorboxazoles A and B from the marine sponge, *Phorbas* sp.—II. C43 and complete stereochemistry 7879
- Mollo E.** see Gavagnin M. 4259
- Molnár A. and Beregszászi T.** Mild and efficient tetrahydropyranylation and deprotection of alcohols catalyzed by heteropoly acids 8597
- Moloney M. G.** see Dyer J. 4573
- Momose T. Nishio T. and Kirihara M.** Efficient synthesis of an enantiomeric pair of pinidine: an illustration of organochemical carving on the rigid bridged system as the stereochemical tactics 4987
- Mongelli N.** see Pincioli V. 9365
- Mongin F. Desponds O. and Schlosser M.** Reagent-modulated optional site selectivities: the metalation of *o*-, *m*- and *p*-halobenzotrifluorides 2767
- Mongin F. Mongin O. Trécourt F. Godard A. and Quéguiner G.** Pyridine hydrochloride: a new reagent for the synthesis of *o*-chloro hydroxy derivatives in pyridine and quinoline series 6695
- Mongin F. and Schlosser M.** Regioselective *ortho*-lithiation

- of chloro and bromo substituted fluoroarenes 6551
- Mongin O. and Gossauer A.** Tripodaphyrins, a new class of porphine derivatives designed for nanofabrication 3825
- Mongin O.** see Mongin F. 6695
- Monneret C.** see Benhida R. 1031
- Montalbetti C., Savignac M., Genêt J.-P., Roulet J.-M. and Vogel P.** Remote substituent control of the regioselectivity of the aryl- and vinylpalladation of 7-oxabicyclo[2.2.1]heptenes 2225
- Montana J. G.** see Gamble M. P. 7457
- Montanari D.** see Gandolfi R. 517
- Monte A. P.** see Waldman S. R. 7889
- Monteiro A. L., Seferin M., Dupont J. and de Souza R. F.** Synthesis of 3-aryl-1-butenes by the nickel catalyzed hydrovinylation of styrene derivatives 1157
- Montero C.** see Marino J. P. 8031
- Montero J.-L.** see Abdaoui M. 5695
- Montero J.-L.** see Winum J.-Y. 1781
- Montes I. F. and Burger U.** The cyanide catalyzed isomerization of enol esters derived from cyclic 1,3-diketones 1007
- Monteux D.** see Loupy A. 7023
- Monteux D.** see Loupy A. 8177
- Monteux D.** see Sageot O. 7019
- Montevecchi P. C. and Navacchia M. L.** Rearrangements and cyclizations in vinyl radicals. Unusual example of 1,4-radical translocation 6583
- Montgomery D.** see McAlonan H. 7151
- Montgomery J., Seo J. and Chui H. M. P.** Competition between insertion and conjugate addition in nickel-catalyzed couplings of enones with unsaturated functional groups 6839
- Montgomery J. A.** see Elliott A. J. 4339
- Montgomery J. A.** see Elliott A. J. 5829
- Monti D.** see Speranza G. 4247
- Moody C. M.** see Bradley E. L. 7329
- Moody C. J.** see Buck R. T. 7631
- Moody C. J.** see Ferris L. 107
- Moody C. M.** see Bradley E. L. 6935
- Moore J. L.** see Williams D. R. 983
- Moore P. R.** see Donohoe T. J. 3407
- Moore R.** see Calvo K. C. 1169
- Moorhoff C. M.** Novel reactions of arsonium ylides and substituted 2*H*-pyran-5-carboxylates, a new preparation for functionalised vinylcyclopropanecarboxylates and dihydrofurans 9349
- Moortgat G. K.** see Neeb P. 9297
- Mootoo D.** see Al-Abed Y. 8641
- Mootoo D. R.** see Ruan Z. 3619
- Morales J. C. and Penadés S.** Two interconverting glycophanes from maltose 5011
- Moran E. J.** see Armstrong R. W. 447
- Moran E. J.** see Zhang C. 751
- Morán J. R.** see Raposo C. 1485
- Morán J. R.** see Raposo C. 6947
- Moran P. J. S.** see de Oliveira Filho A. P. 5029
- Morao I.** see Ayerbe M. 3055
- Mordini A., Valacchi M., Pecci S., Degl'Innocenti A. and Reginato G.** A stereoselective approach to the synthesis of aminoalcohols 5209
- Mordini A.** see Reginato G. 1325
- Moreau C.** see Dambrin V. 6323
- Moree W. J.** see Takayama S. 6287
- Moreira B. G.** see de Oliveira Filho A. P. 5029
- Moreno-Mañas M., Pérez M. and Pleixats R.** Stereospecific preparation of ethyl (*E*) and (*Z*)-3-aryl-3-phenylpropenoates by Heck reaction 7449
- Moreno-Mañas M.** see Gálvez N. 6197
- Morgan A. R.** see Cheng J. 2721
- Morgan D. O.** see Andrews I. P. 4811
- Morgan P. E., Whiting A. and McCague R.** An asymmetric synthesis of  $\alpha$ -amino acid derivatives from racemic ethyl *N*-phenylsulphonyl- $\alpha$ -bromoglycinate using homochiral aluminium complexes 4795
- Morgans, Jr D. J.** see Smith D. B. 21
- Mori H., Ikoma K., Masui Y., Isobe S., Kitaura K. and Katsumura S.** Abnormally high reactivity of the vinyl hydrogen toward singlet oxygen in a twisted 1,3-diene 7771
- Mori H.** see Kawagishi H. 7399
- Mori K., Murai O., Hashimoto S. and Nakamura Y.** Highly regio- and stereo-selective photocycloaddition between coumarin and thymine by molecular recognition 8523
- Mori K., Nakayama T. and Takikawa H.** Synthesis and absolute configuration of sordidin, the male-produced aggregation pheromone of the banana weevil, *Cosmopolites sordidus* 3741
- Mori K. and Takanashi S.** Synthesis of lurenene, the sex pheromone of the green flagellate *Chlamydomonas allensworthii* 1821
- Mori K.** see Kobayashi J. 6775
- Mori M.** see Ishibashi T. 6165
- Mori M.** see Sato Y. 887
- Mori S.** see Ueoka R. 3461
- Mori Y., Yaegashi K., Iwase K., Yamamori Y. and Furukawa H.** Alkylation of oxiranyl anions 2605
- Mori Y., Yaegashi K., Iwase K., Yamamori Y. and Furukawa H.** Corrigendum 6959
- Morce C., Le Maux P. and Simonneaux G.** Oxidation and chiral recognition of amino esters by dioxoruthenium(VI) porphyrins: synthesis of new imino ester Ru(II) complexes 6701
- Morikawa O.** see Kobayashi K. 2437
- Morikawa O.** see Konishi H. 7383
- Morikawa O.** see Konishi H. 8547
- Morimoto H.** see Saljoughian M. 2923
- Morimoto M., Matsukura H. and Nakata T.** Total synthesis of hemibrevetoxin B 6365
- Morimoto M.** see Nakata T. 217
- Morin C. and Nedjar N.** Oxidative degradation of larixol and larixyl acetate 4705
- Morin C.** see Malan C. 6705
- Morin G. T. and Smith B. D.** Crown nucleoside monophosphate diesters: a new class of nucleoside prodrugs 3101
- Morioka H.** see Shibata T. 8783
- Morita H., Takeda M., Kamiyama H., Hashimoto T. and Yoshimura T., Shimasaki C.**

- and Tsukurimichi E.**  
Thiapyran formation via an unexpected thioaldehyde intermediate by the thermal decomposition of phenacyl sulfoxides bearing some heterocycles 3739
- Morita K.** see Yamanaka H. 1829
- Morita Y.** see Hatanaka K. 873
- Morita Y.** see Hatanaka K. 877
- Moriwake T.** see Takai K. 7049
- Moriwaki M.** see Kobayashi S. 2053
- Moriwaki M.** see Kobayashi S. 2809
- Moriwaki M.** see Kobayashi S. 4183
- Moriwaki M.** see Kobayashi S. 7783
- Morken J. P.** **Didiuk M. T.** and **Hoveyda A. H.**  
Directed regioselective Ni-catalyzed alkylation and hydride addition of allylic ethers. A remarkable turnover in regioselectivity 3613
- Mørkved E. H.**  
**Lakshminikantham M. V.** and **Cava M. P.**  
o-Quinonoid heterocycles: benzo[c]tellurophene 9149
- Moro S.** see Conte V. 8609
- Morphy J. R.** **Rankovic Z.** and **Rees D. C.**  
A novel linker strategy for solid-phase synthesis 3209
- Morphy J. R.** see Barn D. R. 3213
- Morrissey M. M.** see Mohan R. 3963
- Mortier J.** see Ameline G. 8175
- Mortier J.** see Garnier L. 6699
- Mortreux A.** see Bricout H. 6105
- Mortreux A.** see Carpenter J.-F. 167
- Morzycki J. W.**  
**Wiłczewska A. Z.** and **Łotowski Z.**  
On reaction of enamides with acetyl nitrate 2079
- Moss G. P.** **Ooi C. K.** and **Bondar G. V.**  
Further rearrangements of diepoxyhexanes: formation of acetylhydroxycyclopentane derivatives 2877
- Moss R. A.** **Maksimovic L.**  
**Marchand A. P.** and **Ramanaiah K. C. V.**  
Kinetics of the reaction of phenylchlorocarbene with an azabicyclobutane 5849
- Moss R. A.** **Xue S.** and **Ma W.**  
The kinetic isotope effect on the carbenic 1,2-H(D) shift originating at a tertiary carbon atom 1929
- Moss R. A.** and **Liu W.**  
Kinetic isotope effects on the 1,3-intramolecular insertion reaction of *t*-butylchlorocarbene 279
- Motevali M.** see Arvanitis E. 4277
- Motherwell W. B.** see Coriat H. 5983
- Mottram H. R.** and **Evershed R. P.**  
Structure analysis of triacylglycerol positional isomers using atmospheric pressure: chemical ionisation mass spectrometry 8593
- Motz P. L.** see Schnapp K. A. 2317
- Moufid N.** see Gerster M. 6335
- Moussa M. M.** and **Le Quesne P. W.**  
Total synthesis of the cyclodepsipeptide ionophore pithomycilide 6479
- Moutou J.-L.** **Schmitt M.**  
**Collot V.** and **Bourguignon J.-J.**  
A two-steps benzotriazole-assisted synthesis of 3-amino-2-ethoxycarbonyl imidazo[1,2-a]pyridines and related compounds 1787
- Moya E.** see Blagbrough I. S. 551
- Mueller R. A.** see Khanna I. K. 1355
- Muir J. E.** see Davis A. P. 9401
- Mukai C.** **Hirai S.** **Kim I. J.** and **Hanaoka M.**  
First total synthesis and structural elucidation of (–)-goniofuprynone 5389
- Mukherjee A. K.** see Maiti S. 8061
- Mukherjee D.** see Das S. 4421
- Mukugi Y.** see Hatakeyama S. 4047
- Mukugi Y.** see Hatakeyama S. 4287
- Mulders S. J. E.** see **Löwik D. W. P. M.** 8253
- Muller B.** **Delaloge F.**  
**den Hartog M.** **Férezou J.-P.**  
**Pancrazi A.** **Prunet J.**  
**Lallemand J.-Y.** **Neuman A.** and **Prangé T.**  
Diastereoselective synthesis of a taxane precursor 3313
- Müller D.** see Kempin U. 5087
- Müller G. H.** and **Waldmann H.**  
An enzyme-initiated domino hydroxylation–oxidation–carbo-Diels–Alder reaction cascade 3833
- Müller M.** see Shilvock J. P. 8569
- Mulzer J.** **Martin H. J.** and **List B.**  
One-pot three component synthesis of  $\alpha,\beta$ -unsaturated ketones 9177
- Mulzer J.** and **List B.**  
[2,3]-Wittig rearrangements of (trimethylsilyl)methyl allyl ethers 2403
- Mulzer J.** and **Mantoulidis A.**  
Synthesis of the C(1)–C(9) segment of the cytotoxic macrolides epothilon A and B 9179
- Mulzer J.** see Maguire R. J. 5487
- Muñoz de la Peña A.** see **Sánchez Peña M.** 5841
- Murahashi S.-I.** see Komiya N. 1633
- Murai A.** see Hayashi N. 6173
- Murai A.** see Nakamura H. 3153
- Murai A.** see Nakamura H. 7267
- Murai O.** see Mori K. 8523
- Murai Y.** see Kashimura S. 6737
- Murakami K.** see Tanaka T. 7809
- Murakami M.** **Hayashi M.**  
**Tamura N.** **Hoshino Y.** and **Ito Y.**  
A new water-compatible dehydrating agent DPTF 7541
- Murakami M.** see Ishida K. 9225
- Murakami M.** see Okada S. 1065
- Murakami T.** see Mizutani T. 5369
- Murakami Y.** see Yokoyama Y. 9309
- Muraki T.** **Togo H.** and **Yokoyama M.**  
Remote functionalization: cyclic alkoxylation onto aromatic ring via radical pathway 2441
- Muramatsu H.** see Katsuyama I. 4177
- Muraoka H.** see Tsunoi S. 6729
- Muraoka O.** see Yoshimatsu M. 4161
- Murase H.** see Toshima K. 1069
- Murashima T.** **Tamai R.**  
**Fujita K.** **Uno H.** and **Ono N.**  
Ambient reactivity of nitro heteroaromatic anions 8391
- Murashima T.** **Uchihara Y.**  
**Wakamori N.** **Uno H.**  
**Ogawa T.** and **Ono N.**  
The first preparation of crown ether-annulated porphyrin 3133
- Murata K.** see Kita Y. 7369
- Murata M.** see Matsumori N. 1269
- Murata Y.** **Komatsu K.** and **Wan T. S. M.**  
The reaction of [60]fullerene with lithium fluorene: formation of a novel 1,4-adduct of [60]fullerene 7061
- Murata Y.** see Kaneta N. 5385
- Murata Y.** see Komatsu K. 6153
- Murayama T.** see Ogino T. 7065
- Murayama T.** see Uyehara T. 7295

- Murphy B. L.** see Gala D. 611
- Murphy F.** see Markó I. E. 2089
- Murphy F.** see Markó I. E. 2507
- Murphy J. A.** see Kizil M. 5027
- Murphy J. A.** see Kizil M. 2511
- Murphy P. J.** see Black G. P. 6943
- Murphy W. S., Neville D. and Ferguson G.**  
Regiospecific free radical annulation reactions of diethylbenzylmalonate with unsymmetrical 1,4-naphthoquinones: a direct approach to ring A aromatic angucyclones 7615
- Murphy W. S. and Neville D.**  
Novel alkylaluminium chloride promoted [2 + 2] cycloaddition reactions of styrenes with 1,4-naphthoquinones and bromoquinones: a facile route to orthoquinodimethane precursors 9397
- Murphy W. S.** see Neville D. 5221
- Murray P. J. and Starkey I. D.**  
The enantiospecific synthesis of functionalised pipelicolic acids as constrained analogues of lysine 1875
- Murray R. W., Iyanar K., Chen J. and Wearing J. T.**  
Oxidation of organonitrogen compounds by the methyltrioxorhenium–hydrogen peroxide system 805
- Murray R. W., Singh M. and Rath N.**  
The reaction of dimethyldioxirane with chrysene: formation of a trioxide 8671
- Murtuza S.** see Jiang Q. 797
- Mutai K., Kajii Y., Nakagaki R. and Obi K.**  
Photoinduced through-bond electron transfer and rearrangement in bichromophoric chain molecules 505
- Mutou T., Kondo T., Shibata T., Ojika M., Kigoshi H. and Yamada K.**  
Synthesis of dolastatin G and nordolastatin G, cytotoxic 35-membered cyclodepsipeptides of marine origin 7299
- Mutou T.** see Suenaga K. 6771
- Mutter M.** see Wahl F. 6861
- Mutti S., Daubié C., Decalogne F., Fournier R. and Rossi P.**  
Enantiospecific synthesis of RPR 107880: a new non peptide substance P antagonist 3125
- Mutti S., Daubié C., Malpart J. and Radisson X.**  
Practical enantiospecific synthesis of RPR 111905: a novel non-peptide substance P antagonist 8743
- Mutti S.** see Daubié C. 7743
- Mutulis F.** see Reetz M. T. 9293
- Myers A. G., Hammond M. and Wu Y.**  
An improved preparation of highly enantiomerically enriched (*R*)-(+)-4-*tert*-butyldimethylsiloxy-2-cyclopenten-1-one 3083
- Myers A. G., Subramanian V. and Hammond M.**  
A concise synthesis of the naphthoic acid component of neocarzinostatin chromophore featuring a new photocyclization reaction 587
- Myers A. G., Yang B. H. and Kopecky D. J.**  
Lithium amidotrihydroborate, a powerful new reductant. Transformation of tertiary amides to primary alcohols 3623
- Myers A. G. and Zheng B.**  
An efficient method for the reductive transposition of allylic alcohols 4841
- Myles D. C.** see Shepherd J. A. 2395
- Nabeshima T.** see Shima H. 667
- Nadzan A. M.** see Bennani Y. L. 8109
- Naemura K.** see Tobe Y. 9325
- Nagai S.** see Kamata M. 7779
- Nagamoto K.** see Tanaka Y. 881
- Naganawa H.** see Hosoya Y. 9227
- Nagao Y., Jeong I.-Y. and Lee W. S.**  
Ring enlargement reaction of 3-hydroxy-3-propargylisoindolin-1-ones: a new synthetic method for the 2-benzazepine-1,5-diones 393
- Nagao Y., Kim K., Sano S., Kakegawa H., Lee W. S., Shimizu H., Shiro M. and Katunuma N.**  
Syntheses and reactions of the diethyl  $\alpha$ -alkynylmalonates involving the generation of conjugated allenyl esters as the latent active species: a new approach to the development of cysteine proteinase inhibitors 861
- Nagao Y.** see Shibuya M. 865
- Nagaoka H.** see Shimano M. 7553
- Nagaoka Y.** see Nakagawa Y. 7805
- Nagaraj R.** see Ranganathan S. 5199
- Nagarajan A., Zepeda G. and Tamariz J.**  
Highly selective 1,3-dipolar cycloadditions of captodative olefins 1-acetylvinyl carboxylates to diverse dipoles 6835
- Nagarajan M.** see Venkateswara Rao B. 8613
- Nagaraju S.** see Srikrishna A. 1679
- Nagasawa A.** see Tomooka K. 8895
- Nagasawa A.** see Tomooka K. 8899
- Nagasawa K., Shimizu I. and Nakata T.**  
Total synthesis of preswinholide A—I. Stereoselective synthesis of the C11–C23 segment 6881
- Nagasawa K., Shimizu I. and Nakata T.**  
Total synthesis of preswinholide A—II. Completion of the synthesis 6885
- Nagase S.** see Iyoda M. 7987
- Nagata K.** see Itoh T. 4165
- Nagata K.** see Taniguchi Y. 3465
- Nagata Y.** see Katoh T. 3479
- Nagata Y.** see Yoshino T. 3475
- Nagatomi Y.** see Fujioka H. 2245
- Nagayama C.** see Choshi T. 2593
- Nagayama S.** see Kobayashi S. 9221
- Nagino C.** see Tsunoda T. 2459
- Nagle D. G., Paul V. J. and Roberts M. A.**  
Ypaoamide, a new broadly acting feeding deterrent from the marine cyanobacterium *Lyngbya majuscula* 6263
- Nahorski S. R.** see Fauq A. H. 1917
- Nair A. G.** see Nair V. 5623
- Nair V., Anilkumar G., Eigendorf G. K. and Williard P. G.**  
Boron trifluoride-etherate induced rearrangement of bicyclo[2.2.2]octene-7,8-diones: an efficient synthesis of bicyclo[3.2.1]octene-2,8-diones 8271
- Nair V., Kumar S. and Williard P. G.**  
Corrigendum 2315
- Nair V., Radhakrishnan K. V., Nair A. G. and Bhadbhade M. M.**  
1,3-Dipolar cycloaddition of nitrile-*N*-oxides with 3,5-di-*tert*-butyl-1,2-benzoquinone: facile formation of spiro-1,3-dioxazoles 5623
- Nair V.** see Ha S. B. 1567
- Naito T.** see Miyata O. 229
- Nájera C.** see Bernabeu M. C. 3595
- Nájera C.** see Caturia F. 2833
- Nájera C.** see Caturia F. 4787
- Nájera F.** see Suau R. 3575
- Naka T.** see Kita Y. 7369

- Nakada M.** see Sato S. 6141  
**Nakagaki R.** see Mutai K. 505  
**Nakagawa Y.** Kanai M.  
 Nagaoka Y. and Tomioka K.  
 Structural requirements of an external, chiral amidophosphine ligand for asymmetric reaction of an organocopper reagent 7805  
**Nakai E.** see Kobayashi M. 3005  
**Nakai K.** see Ibuka T. 2849  
**Nakai M.** see Takahashi C. 655  
**Nakai T.** see Kobayashi M. 3005  
**Nakai T.** see Sugiura M. 7991  
**Nakai T.** see Tomooka K. 8895  
**Nakai T.** see Tomooka K. 8899  
**Nakai Y.** see Fukase K. 3343  
**Nakajima K.** see Takahashi T. 7521  
**Nakajima N.** see Makino K. 9073  
**Nakajima N.** see Makino K. 9077  
**Nakajima N.** see Matsushima T. 385  
**Nakajima T.** see Shinada T. 7099  
**Nakajima T.** see Yoda H. 5531  
**Nakamura H.** Fujimaki K. and Murai A.  
 Synthetic studies on the common C25 long chain acid portion of zooxanthellatoxins from a symbiotic dinoflagellate *Symbiodinium* sp. 3153  
**Nakamura H.** Sato K. and Murai A.  
 Absolute configuration of the spiroacetal portion of zooxanthellatoxin-A 7267  
**Nakamura H.** see Hosoya Y. 9227  
**Nakamura K.** Kitano K.  
**Matsuda T.** and Ohno A.  
 Asymmetric reduction of ketones by the acetone powder of *Geotrichum candidum* 1629  
**Nakamura K.** Matsuda T.  
 Itoh T. and Ohno A.  
 Different stereochemistry for the reduction of trifluoromethyl ketones and methyl ketones catalyzed by alcohol dehydrogenase from *Geotrichum* 5727  
**Nakamura K.** Nishiyama S. and Yamamura S.  
 Interaction between cell wall model of vancomycin resistant strain and aglucovancomycin synthetic analogs 191  
**Nakamura K.** see Itoh T. 5001  
**Nakamura T.** see Konishi H. 7383  
**Nakamura Y.** Mita T. and Nishimura J.  
 Synthesis and properties of [2.2](3,3')biphenyo(3,6)phenanthrenophane 3877  
**Nakamura Y.** Takeuchi S.  
 Ohira A. and Ohgo Y.  
 Catalytic enantioselective protonation of samarium enolates by a  $C_2$ -symmetric chiral diol 2805  
**Nakamura Y.** see Miyake T. 3129  
**Nakamura Y.** see Mori K. 8523  
**Nakano H.** see Yamana K. 5963  
**Nakano H.** see Yamana K. 637  
**Nakano K.** see Kitamura M. 5141  
**Nakao Y.** Yoshida W. Y. and Scheuer P. J.  
 Pupukeamide, a linear tetrapeptide from a cephalaspidean mollusk *Philinopsis speciosa* 8993  
**Nakasaji K.** see Hatanaka K. 873  
**Nakasaji K.** see Hatanaka K. 877  
**Nakata E.** see Kawabata T. 4153  
**Nakata M.** see Toshima K. 1069  
**Nakata M.** see Toshima K. 1073  
**Nakata T.** Nomura S.  
 Matsukura H. and Morimoto M.  
 Stereoselective synthesis of the C- and CD-ring systems of hemibrevetoxin B 217  
**Nakata T.** Nomura S. and Matsukura H.  
 Stereoselective synthesis of six- and seven-membered ether rings based on the ring expansion 213  
**Nakata T.** see Morimoto M. 6365  
**Nakata T.** see Nagasawa K. 6881  
**Nakata T.** see Nagasawa K. 6885  
**Nakata T.** see Shimizu T. 6145  
**Nakata T.** see Shimizu T. 6755  
**Nakatani S.** see Katoh T. 3479  
**Nakatsubo F.** see Nishimura T. 9215  
**Nakatsuji S.** see Yamamura K. 4965  
**Nakatsuji Y.** see Zhang W. 7995  
**Nakayama N.** see Kohmoto S. 7761  
**Nakayama T.** see Mori K. 3741  
**Nakayama T.** see Sano H. 8891  
**Namane A.** see Kreimeyer A. 8739  
**Namazi H.** see Grindley T. B. 991  
**Namba T.** see Kadota S. 7283  
**Nandi B.** see Ghosh S. 3169  
**Nandy S. K.** see Sarkar T. K. 5195  
**Nannelli L.** see Goti A. 6025  
**Nanni D.** Pareschi P. and Tundo A.  
 Isonitriles as source and fate of imidoyl radicals: a novel homolytic  $\alpha$ -fragmentation 9337  
**Nano G. M.** see Fenoglio I. 3203  
**Naoe Y.** see Shibuya M. 865  
**Naoki H.** see Shinada T. 7099  
**Naota T.** see Komiya N. 1633  
**Napolitano A.** Pezzella A.  
 d'Ischia M. and Prota G.  
 The first characterisation of a transient 5,6-indolequinone 4241  
**Napolitano A.** Vincensi M. R.  
 d'Ischia M. and Prota G.  
 A new benzothiazole derivative by degradation of pheomelanins with alkaline hydrogen peroxide 6799  
**Nara S.** Toshima H. and Ichihara A.  
 Intramolecular 1,6-conjugate addition approach for construction of the hydridane framework: total synthesis of ( $\pm$ )-coronafacic acid 6745  
**Narayana C.** see Kabalka G. W. 2181  
**Narsaiah B.** see Chandra Sheker Reddy A. 2829  
**Narske R.** see Xue L. 1921  
**Narukawa Y.** Nishi K. and Onoue H.  
 Facile synthesis of 2-alkyl substituted carbapenems via palladium-catalyzed cross-coupling reaction 2589  
**Narukawa Y.** see Nishi K. 2987  
**Nascimento G. M. S. F. C.** see Cavaleiro J. A. S. 1893  
**Nash I. A.** Bycroft B. W. and Chan W. C.  
 Dde—a selective primary amine protecting group: a facile solid phase synthetic approach to polyamine conjugates 2625  
**Nash R. J.** see Bell A. A. 8561  
**Nash R. J.** see Davis B. 8565  
**Nash R. J.** see Griffiths R. C. 3207  
**Nash R. J.** see Shilvock J. P. 8569  
**Naso F.** see Cardelicchio C. 6017  
**Nasreen A.** Rueffer M. and Zenk M. H.  
 Cytochrome P-450-dependent formation of isoandrocybimine from autumnaline in colchicine biosynthesis 8161  
**Nass O.** see Franck-Neumann M. 8763  
**Natt F.** see Calmes M. 379  
**Naumann C.** see Asfari Z. 3325  
**Navacchia M. L.** see Montevercchi P. C. 6583  
**Nawata H.** see Ichikawa J. 8799  
**Nayak N. P.** see Maiti S. 8061

- Nayyar N. K.** see Hoffman R. V.  
2381

**Nayyar N. K.** see  
Hutchison D. R. 2887

**Naz N.** see Al-Abed Y. 8641

**N'Diaye I., Guella G., Mancini I., and Pietra F.**  
Almazole D, a new type of antibacterial 2,5-disubstituted oxazolic dipeptide from a red alga of the coast of Senegal 3049

**Nedjar N.** see Morin C. 4705

**Neef P., Horie O., and Moortgat G. K.**  
Formation of secondary ozonides in the gas-phase ozonolysis of simple alkenes 9297

**Neef G.** see Klar U. 7497

**Neel D. A., Holmes R. E., and Paschal J. W.**  
Synthesis of a 3-keto bicyclic pyrazolidinone using a Curtius rearrangement 4891

**Neeland E. G., Sharadendu A., and Weiler L.**  
Alkylation of the dianion of 3-oxo-13-tetradecanolide 5069

**Nefkens G. H. L.** see  
Thuring J. W. J. F. 4759

**Nefkens S. C. A.** see Xiao J. 2813

**Negash K. and Nichols D. E.**  
A new approach for the synthesis of ( $\pm$ )-*trans*-10,11-dihydroxy-5,6,6a,7,8,12b-hexahydrobenzo[a]phenanthridine (dihydrexidine) 6971

**Negishi E.** see Kondakov D. Y. 3803

**Negishi E.** see Kotora M. 9041

**Negishi E.** see Pour M. 4679

**Negoro N.** see Yanada R. 9313

**Négre J.-C.** see Mattalia J.-M. 4717

**Negrivomovsky V. M.** see  
Barkanova S. V. 1637

**Negriolli J., Maume D., Deniaud D., and André F.**  
Corticosteroid derivatization: unexpected results obtained using *N,N*-dimethylformamide dimethyl acetal on dexamethasone 5365

**Nelson A. and Warren S.**  
Intramolecular acylations of  $\gamma$ -benzyloxy phosphine oxides: synthesis of optically active cyclopropyl ketones 1501

**Nelson A.** see Cavalla D. 7465

**Nelson J. T.** see Smith D. B. 21

**Nemoto H., Cai J., and Yamamoto Y.**  
A new synthetic method of all carboxylate-free DTPA derivatives and its application to the synthesis of Gd-carborane complex 539

**Nemoto H., Shiraki M., Yamada N., Raku N., and Fukumoto K.**  
A new stereocontrolled

access to angularly disubstituted *cis*-decalins via tandem radical ring expansion and cyclization 6355

**Nemoto H.** see Cai J. 3383

**Nemoto H.** see Irie O. 9229

**Nemoto H.** see Shibuya M. 865

**Nemoto H.** see Wakayama M. 5397

**Nenajdenko V. G., Baraznenok I. L., and Balenkova E. S.**  
Reaction of *N,N*-dimethylacrylamide/trifluoromethanesulfonic anhydride complex with electron-rich aromatic compounds 4199

**Nepveu F.** see Urizzi P. 4685

**Neri P.** see Cunsolo F. 715

**Neri P.** see Geraci C. 3899

**Neri P.** see Geraci C. 7627

**Nes W. D.** see Guo D. 6823

**Nes W. D.** see Zhou W. 1339

**Neszsmélyi A.** see Dubois E. P. 3627

**Netscher T. and Bohrer P.**  
Formation of sulfinate esters in the synthesis of triflates 8359

**Neuburger M.** see Bolm C. 3985

**Neuman A.** see Ducrot P.-H. 3121

**Neuman A.** see Muller B. 3313

**Neumeyer J. L.** see  
Tamagnan G. 4353

**Neves M. G. P. M. S.** see  
Cavaleiro J. A. S. 1893

**Neves M. G. P. M. S.** see  
Faustino M. A. F. 3569

**Neves M. G. P. M. S.** see  
Vicente M. G. H. 261

**Neville D. and Murphy W. S.**  
Novel Lewis acid promoted spiroannulation versus [2+2]-cycloaddition of dihydrofuran and dihydropyran to quinones 5221

**Neville D.** see Murphy W. S. 7615

**Neville D.** see Murphy W. S. 9397

**Neville W. A.** see New A. P. 3039

**New A. P., Eckers C., Haskins N. J., Neville W. A., Elson S., Hueso-Rodríguez J. A., and Rivera-Sagredo A.**  
Structures of polysporins A-D, four new peptaibols isolated from *Trichoderma polyporum* 3039

**Newadkar R. V.** see  
Master H. E. 9253

**Newcomb M., Simakov P. A., and Park S.-U.**  
Hypersensitive radical probe studies of Gif oxidations 819

**Newcomb M.** see Tronche C. 5845

**Newton C.** see Sablong R. 4933

**Ng M.-K., Chow H.-F., Chan T.-L., and Mak T. C. W.**  
Synthesis and chiroptical properties of axially chiral, binaphthol-based oligomers 2979

**Ng W. and Wege D.**  
The total synthesis of favelanone 6797

**Nguefack J.-F., Bolitt V., and Sinou D.**  
Palladium-mediated cyclisation on carbohydrate templates. A new route to bis-annulated pyranosides 59

**Nguefack J.-F., Bolitt V., and Sinou D.**  
An efficient palladium-catalysed coupling of terminal alkynes with aryl halides under Jeffery's conditions 5527

**Nguyen C. K.** see Flores V. 8633

**Nguyen L. T. and Smith K. M.**  
Syntheses of type-I porphyrins via monopyrrole tetramerization 7177

**Nguyen V.-H., Nishino H., and Kurosawa K.**  
Convenient synthesis of 3-cyano-4,5-dihydrofurans and 4-cyano-1,2-dioxan-3-ols using acylacetone nitrile building block 4949

**Nice L. E.** see Dieter R. K. 2377

**Nicholas K. M.** see Dare S. 4341

**Nichols C. J.** see Jung M. E. 7667

**Nichols D. E.** see Negash K. 6971

**Nichols D. E.** see  
Waldman S. R. 7889

**Nicholson G. J.** see Kaiser T. 1187

**Nicolaides D. N., Awad R. W., Papageorgiou G. K., Stephanidou-Stephanatou J., Terzis A., and Raptopoulou C. P.**  
Synthesis of 1-methoxy-1H-phenanthro[9,10-c][1,2]oxazine and its transformation to triphenylene-o-dicarboxylic derivatives 1097

**Nicolosi G.** see Lambusta D. 127

**Niedt M.-L.** see Schierle K. 8715

**Nielsen J. and Lyngsøe L. O.**  
Combinatorial solid-phase synthesis of balanol analogues 8439

**Nielsen J. and Rasmussen P. H.**  
Implementation of a combinatorial cleavage and deprotection scheme—I. Synthesis of phthalhydrazide libraries 3351

- Ninkovic S.** see Hanessian S. 8967
- Ninkovic S.** see Hanessian S. 8971
- Ninomiya I.** see Miyata O. 229
- Nishi K.** Narukawa Y. and Onoue H.  
A direct and convenient approach toward 2-alkenylcarbenem via the Heck reaction 2987
- Nishi K.** see Narukawa Y. 2589
- Nishida M.** see Nishigaiichi Y. 3701
- Nishide K.** Shigeta Y.  
Obata K. Inoue T. and Node M.  
Reductive desulfurization using the Raney nickel-sodium hypophosphite combination system without racemization of a secondary alcohol 2271
- Nishide K.** see Shibata K. 2791
- Nishigaiichi Y.** Ishida N.  
Nishida M. and Takuwa A.  
Substituent-control of stereoselectivity in the reaction of allylic tins. anti-Selective Lewis acid-promoted reaction toward aldehydes 3701
- Nishiguchi A.** see Miyata O. 229
- Nishiguchi T.** see Saitoh M. 6733
- Nishii Y.** see Tanabe Y. 1837
- Nishijima M.** see Shiozaki M. 3875
- Nishijima M.** see Shiozaki M. 7271
- Nishijima M.** see Shiozaki M. 8627
- Nishijima M.** see Takano I. 7053
- Nishikawa T.** see Bamba M. 8199
- Nishikori H.** and Katsuki T.  
Catalytic and highly enantioselective aziridination of styrene derivatives 9245
- Nishimoto M.** see Eto M. 2445
- Nishimura J.** see Nakamura Y. 3877
- Nishimura T.** and Nakatubo F.  
First stepwise synthesis of cellulose analogs 9215
- Nishimura Y.** see Hosoya Y. 9227
- Nishino H.** see Iida A. 9219
- Nishino H.** see Nguyen V.-H. 4949
- Nishino N.** see Tanaka Y. 881
- Nishio H.** see Nishiuchi Y. 7529
- Nishio T.** see Momose T. 4987
- Nishioka N.** see Takahashi Y. 1841
- Nishiuchi Y.** Nishio H. Inui T. Kimura T. and Sakakibara S.  
 $N^{\alpha}$ -Cyclohexyloxycarbonyl group as a new protecting group for tryptophan 7529
- Nishiyama N.** see Sugimura T. 7303
- Nishiyama S.** see Ishibashi Y. 2997
- Nishiyama S.** see Konishi H. 8791
- Nishiyama S.** see Nakamura K. 191
- Nishiyama S.** see Ohmori K. 3467
- Nishiyama T.** see Mizuno K. 2975
- Nishiyama Y.** see Shiraishi H. 7291
- Nishizono N.** Koike N.  
Yamagata Y. Fujii S. and Matsuda A.  
Nucleosides and nucleotides—CLIX. Synthesis of thietane nucleosides via the Pummerer reaction as a key step 7569
- Niwa H.** see Komori A. 4031
- Niwa M.** see Futaki S. 201
- Nock N.** see Alzeer J. 6857
- Node M.** see Nishide K. 2271
- Node M.** see Shibata K. 2791
- Noé E.** Séraphin D. Zhang Q.  
Djaté F. Hénin J.  
Laronze J.-Y. and Lévy J.  
Synthesis of the new (cyclopenta[b]pyrrolo[1,2-d]azepino[4,5-b]indole ring system 5701
- Noé E.** Séraphin D. Zhang Q.  
Djaté F. Hénin J. Laronze J.-Y. and Lévy J.  
Corrigendum 8823
- Noe M. C.** and Corey E. J.  
Position and enantioselective dihydroxylation of 2-hydroxymethyl- and 2-hydroxyethyl-1,3-butadiene derivatives using bis-cinchona alkaloid catalysts 1739
- Noe M. C.** see Corey E. J. 1735
- Noe M. C.** see Corey E. J. 4899
- Noels A. F.** see Demonceau A. 1025
- Nogami T.** see Komori A. 4031
- Nogami Y.** see Fujita K. 1825
- Noguchi H.** see Sugasawa K. 7377
- Noguchi I.** see Takemoto Y. 3345
- Noguchi Y.** Irie R. Fukuda T. and Katsuki T.  
Mn-salen catalyzed asymmetric epoxidation of (+)-3-alkylindene: reagent-dependent stereoselectivity 4533
- Noguchi Y.** see Toshima K. 1073
- Noh D.-Y.** Lee H.-J. Hong J. and Underhill A. E.  
New synthesis of phenyl-substituted 2,3-dihydro-1,3-dithiolo[4,5-e][1,4]dithiin-6-thione 7603
- Noh T.** and Kim D.  
Reinvestigation in the photoreaction of 1-
- naphthalene-carbonitrile and furan 9329
- Noiret N.** see Poulaïn S. 7703
- Nojima M.** see Abe M. 1833
- Nojima M.** see Abe M. 5901
- Nojima M.** see Ushigoe Y. 2093
- Nomoto K.** see Takahashi C. 655
- Nomura S.** see Nakata T. 213
- Nomura S.** see Nakata T. 217
- Nonomura T.** see Matsumori N. 1269
- Norcross R. D.** see Paterson I. 8581
- Norley M. C.** see Boden C. D. J. 9111
- Norman T. C.** see Kim J.-M. 5309
- Normant J.-F.** see Bähr A. 5873
- Normant J.-F.** see Meyer C. 857
- Normant J. F.** see Lorthiois E. 6689
- Normant J. F.** see Lorthiois E. 6693
- Nørret M.** see Gardiner J. M. 8447
- Norris P.** Horton D. and Giridhar D. E.  
Intramolecular 1,3-dipolar cycloadditions of 5-azido-5-deoxyaldopentose ketene dithiacetal bis(sulfones) in the synthesis of imino sugar analogs 3925
- Norte M.** Fernández J. J.  
Souto M. L. and García-Grávalos M. D.  
Two new antitumoral polyether squalene derivatives 2671
- North M.**  
Baker's yeast reduction of  $\beta$ -keto esters in petrol 1699
- Nöth H.** see Riebel P. 1587
- Nouguier R.** see Bertrand M.-P. 1229
- Novacheck K. A.** and Meyers A. I.  
A convenient procedure for the reduction of S-(+)-silyl serine methyl ester to chiral serinol derivatives 1743
- Novacheck K. A.** see Meyers A. I. 1747
- Nowak T.** see Paterson I. 8243
- Nowogrocki G.** see Marek D. 49
- Noyori R.** see Kitamura M. 5141
- Noyori R.** see Xiao J. 2813
- Numata A.** see Takahashi C. 655
- Nunami K.** see Kubo A. 4957
- Nupponen H.** see Vepsäläinen J. 3533
- Nuss S.** Oudet P. Lebeau L. and Mioskowski C.  
Synthesis of glycerol deuterated ether phospholipids 5705

- Nutt R. F.** see Tamura S. Y. 4109
- Oballa R. M.** see Paterson I. 8581
- Oballa R. M.** see Paterson I. 8585
- Obata K.** see Nishide K. 2271
- Oberti R.** see Gandolfi R. 917
- Obeyesekere N. U.** see Wang W. 6661
- Obi K.** see Mutai K. 505
- O'Brien P. and Poumellec P.** A simple and efficient method for the preparation of homochiral amines: application to the synthesis of a new  $C_2$  symmetric triamine 5619
- O'Brien P. and Poumellec P.** Chiral base-mediated rearrangement of meso-cyclohexene oxides to allylic alcohols 8057
- O'Brien P. and Warren S.** Norephedrine-derived oxazolidines as chiral auxiliaries—stereocontrolled routes to *R* or *S*  $\beta$ -hydroxy phosphine oxides 3051
- O'Brien P. and Warren S.** Synthesis of phenylalanine-derived  $\beta$ -hydroxy and  $\beta$ -keto phosphine oxides—investigation of the configurational stability of lithiated phosphine oxides using the Hoffmann test 4271
- O'Brien P.** see Cavalla D. 7465
- O'Brien P.** see Gamble M. P. 7457
- O'Brien P.** see Guéguen C. 7461
- Ochi M.** see Kotsuki H. 3727
- Ochiai M., Toyonari M., Sueda T., and Kitagawa Y.** Boron–iodine(III) exchange reaction: direct synthesis of diaryliodonium tetraarylborates from (diacetoxylodo)arenes by the reaction with alkali metal tetraarylborates in acetic acid 8421
- Ochiai M.** see Shu T. 5539
- Ochifugi N.** see Ishibashi T. 6165
- Ochoa A.** see López-Calahorra F. 5019
- Ochoa de Retana A. M.** see Palacios F. 4577
- Ockendon T. P.** see Gamble M. P. 7457
- O'Connor G.** see Robertson J. 3411
- Odinokova L. E.** see Denisenko M. V. 5187
- Oeschger T. R.** see Sammakia T. 4427
- Ogasawara K.** see Kamikubo T. 499
- Ogasawara K.** see Sugahara T. 205
- Ogasawara K.** see Sugahara T. 7403
- Ogawa R.** see Arai Y. 4381
- Ogawa T.** see Kanie O. 4551
- Ogawa T.** see Murashima T. 3133
- Oget N.** see Gardinier I. 7711
- Ogilvie R. J.** see Macor J. E. 4289
- Ogino T., Wada F.** Murayama T., Aoki S. and Ohshima K. Photochemistry of bichromophoric systems. Photoreactions of cyclopentenone and stilbene fixed in a rigid molecule 7065
- Ogle C. A.** see Birman V. B. 5073
- Ogoshi H.** see Mizutani T. 2581
- Ogoshi H.** see Mizutani T. 5369
- Oguma D.** see Matsumoto M. 397
- Oguri M.** see Tsunoda T. 2459
- Oh C. H., Rhim C. Y.** Kang J. H., Kim A.
- Park B. S. and Seo Y.** Cycloreductions via alkylpalladium intermediates: an important mechanistic clue for palladium-catalyzed enediyne cyclizations 8875
- Oh D. Y.** see Kim D. Y. 653
- Oh D. Y.** see Sung J. W. 7537
- Oh S. W.** see Park K. H. 8869
- O'Hanlon P. J.** see Witty D. R. 3067
- Ohashi Y.** see Hosoya T. 663
- Ohata K.** see Konishi H. 7383
- Ohba S.** see Ishibashi Y. 2997
- Ohba S.** see Li S. 7365
- Ohba T.** see Hatanaka K. 873
- Ohba T.** see Hatanaka K. 877
- Ohba T.** see Ito K. 5959
- Ohba Y.** see Ito K. 5959
- Ohe T.** see Yamada S. 6777
- Ohfune Y.** see Gao W. 7071
- Ohga Y.** see Takeuchi K. 8185
- Ohga Y.** see Tokunaga K. 2241
- Ohgo Y.** see Nakamura Y. 2805
- Ohira A.** see Nakamura Y. 2805
- Ohizumi Y.** see Matsunaga K. 1455
- Ohkubo T.** see Kuramochi T. 7075
- Ohmizu H.** see Miyake T. 3129
- Ohmizu H.** see Seki M. 5565
- Ohmizu H.** see Yamanaka T. 4967
- Ohmori H.** see Hamada Y. 7565
- Ohmori H.** see Maeda H. 5381
- Ohmori K., Okuno T., Nishiyama S. and Yamamura S.** Synthetic study on hapalosin, a cyclic depsipeptide possessing multidrug resistance reversing activities 3467
- Ohno A.** see Kawai Y. 8905
- Ohno A.** see Nakamura K. 1629
- Ohno A.** see Nakamura K. 5727
- Ohno A.** see Yasui S. 1625
- Ohno M., Kojima S., Shirakawa Y. and Eguchi S.**  $\delta$ -Valerolactam derivative of  $C_{60}$  from hetero Diels–Alder reaction with 1,3-bis(*tert*-butyl(dimethylsilyloxy)-2-aza-1,3-butadiene 9211
- Ohsawa A.** see Itoh T. 4165
- Ohshima K.** see Ogino T. 7065
- Ohta A.** see Aoyagi Y. 9203
- Ohta K.** see Fujita K. 1825
- Ohta K.** see Fujita K. 4035
- Ohta S., Uno M., Tokumasu M., Hiraga Y. and Ikegami S.** Hippopongic acid A: an unusual triterpenoid acid from a marine sponge, *Hippopongia* sp., which inhibits gastrulation of starfish embryos 7765
- Ohta S., Uno M., Yoshimura M., Hiraga Y. and Ikegami S.** Rhopaloic acid A: a novel norsesterterpene from a marine sponge, *Rhopaloideas* sp., which inhibits gastrulation of starfish embryos 2265
- Ohta S.** see Yamashita M. 7755
- Ohta T.** see Hori K. 5947
- Ohuchi K.** see Oi S. 6351
- Ohwada T., Tsuji M., Okamoto I. and Shudo K.** A remote substituent can determine magnitude of facial selectivity in benzobicyclo[2.2.2]octatrienes 2609
- Ohyama M., Ichise M., Tanaka T., Iinuma M. and Burandt, Jr C. L.** Davidiol D, first naturally occurring resveratrol pentamer isolated from *Sophora davidii* 5155
- Oi S., Kashiwagi K., Terada E., Ohuchi K. and Inoue Y.** Cationic palladium(II) complex-catalyzed hetero Diels–Alder reaction of dienes with aldehydes 6351
- Oiarbide M.** see Palomo C. 4565
- Oiarbide M.** see Palomo C. 6931
- Oikawa H., Kagawa T., Kobayashi T. and Ichihara A.** Synthetic study of AAL-toxins: efficient construction of two vicinal diol moieties by asymmetric dihydroxylation 6169
- Oikonomakos N. G.** see Blériot Y. 7155
- Oishi S.** see Iseki K. 9081
- Ojea V., Fernández M<sup>a</sup> C., Ruiz M. and Quintela J. M<sup>b</sup>** Conjugate additions of *E*-alkenylphosphonates to lithiated Schölkopf's bislactim

- ether: stereocontrolled access to *anti*-2-amino-3-substituted-4-phosphonobutanoic acids 5801
- Ojea V. see Ruiz M. 5743
- Ojika M. see Mutou T. 7299
- Ojima J. see Higuchi H. 1617
- Ojima J. see Higuchi H. 2601
- Oka H. see Harada K. 3001
- Oka K. see Mimaki Y. 1245
- Oka M. see Tanaka Y. 881
- Okabe Y. see Fujita K. 1825
- Okada M. see Katagiri N. 1801
- Okada S. Matsuda H.  
Murakami M. and  
Yamaguchi K.  
Botryoxanthin A, a member of a new class of carotenoids from the green microalga *Botryococcus braunii* Berkeley 1065
- Okada Y. Taguchi H. and  
Yokoi T.  
Total synthesis of optically active deoxyaspergillic acid from dipeptidyl aldehyde 2249
- Okaishi Y. see Hattori T. 2057
- Okajima S. see Miura K. 487
- Okajima T. see Fukazawa Y. 1257
- Okami Y. see Hosoya Y. 9227
- Okamoto I. see Ohwada T. 2609
- Okamoto J. see Maeda H. 5381
- Okamoto S. Sato H. and  
Sato F.  
Highly efficient synthesis of alka-1,3-dien-2-yltitanium compounds from alka-2,3-dienyl carbonates. A new, practical synthesis of 1,3-dienes and 2-iodo-1,3-dienes 8865
- Okamoto S. see Kasatkin A. 1849
- Okamoto S. see Kasatkin A. 6960
- Okamoto S. see Kita Y. 1817
- Okamura K. see Miyata O. 229
- Okauchi T. see Ichikawa J. 8799
- Okawa A. see Bose A. K. 6989
- Okawa T. and Eguchi S.  
Facile synthesis of pyrazino[2,3-*e*][1,4]diazepine derivatives via the intramolecular aza-Wittig reaction 81
- Okazaki R. see Goto K. 3141
- Okazaki R. see Saiki T. 4039
- Okazaki R. see Tokitoh N. 5145
- Okazaki T. Terakawa E.  
Kitagawa T. and Takeuchi K.  
Solvolytic of [3-<sup>13</sup>C]-3,4-dimethyl-4-homoadamantyl *p*-nitrobenzoate. Comparison of the barriers to the Wagner-Meerwein rearrangement of the secondary and tertiary 4-homoadamantyl cations 1035
- Oki T. see Hori H. 2785
- Oku A. see Abe M. 1833
- Okuma K. Yamamoto T.  
Shirokawa T. Kitamura T.  
and Fujiwara Y.  
The first isolation of benzene-thiobenzophenone adducts 8883
- Okumura J. see Ueki M. 4953
- Okumura M. see Kodama Y. 1061
- Okumura M. see Kodama Y. 2515
- Okumura Y. see Arimoto H. 4749
- Okuno H. see Harayama H. 7287
- Okuno T. see Konishi H. 8791
- Okuno T. see Ohmori K. 3467
- Okuro K. Dang T.  
Khumtaveeporn K. and  
Alper H.  
Cobalt carbonyl mediated carbonylative ring expansion reactions of 3,6-dihydro-2H-1,2-oxazines 2713
- Okuyama K. see Yamashita M. 7755
- Olivares J. M. see Audia J. E. 4121
- Oliver A. M. see  
Ranasinghe M. G. 4797
- Ollier M. see Contino C. 9049
- Ollivier J. see Estieu K. 623
- Olovsson G. see Borecka B. 2121
- Olovsson G. see Gamlin J. N. 6037
- Olsson T. see Johansson A. 7127
- O'Meara G. W. see David D. M. 5417
- Omura S. see Shiomi K. 1265
- Omura S. see Smith, III A. B. 6461
- Ondráček J. see Dolensky B. 6939
- Oniciu D. C. see Kobayashi S. 3731
- Ono N. see Murashima T. 3133
- Ono N. see Murashima T. 8391
- Ono S. Shuto S. and  
Matsuda A.  
Highly stereoselective nucleophilic addition to cyclopropyl carbonyls: the facial selectivity in the cyclopropyl ketones is opposite to that in the corresponding aldehyde 221
- Ono S. see Shuto S. 641
- Ono T. see Shimizu I. 7115
- Ono Y. see Toyota A. 8507
- Onoda T. Shirai R. Koiso Y.  
and Iwasaki S.  
Asymmetric total synthesis of curacin A 4397
- Onoue H. see Narukawa Y. 2589
- Onoue H. see Nishi K. 2987
- Onwueme K. see Wood J. L. 7335
- Ooi C. K. see Moss G. P. 2877
- Ooi T. see Kouda K. 6347
- Orduna J. see Leriche P. 8861
- Orduna J. see Martin N. 5979
- Orfanopoulos M. see Angelis Y. 5991
- Orfanopoulos M. see  
Stratakis M. 4105
- Orfanopoulos M. see  
Stratakis M. 7159
- Orfanopoulos M. see  
Vassilikogiannakis G. 3075
- Oritani T. see Konno H. 5393
- Oriyama T. Hori Y. Imai K.  
and Sasaki R.  
Nonenzymatic enantioselective acylation of racemic secondary alcohols catalyzed by an SnX<sub>2</sub>-chiral diamine complex 8543
- Orlinkov A. Akhrem I. Vitt S.  
and Vol'pin M.  
Unprecedented alkylation of pentafluorobenzene with propane 3363
- Orosz G. see Hohman J. R. 8273
- O'Rourke S. S. see  
McGee D. P. C. 1995
- Orozco M. see Camps P. 8605
- Ortega J. see Gavagnin M. 4259
- Ortiz J. see Guijarro A. 5597
- Ortiz P. R. see Zhao S.-H. 2725
- Ortuno R. M. Ibarzo J.  
Alvarez-Larena A. and  
Piniella J. F.  
Unusual palladium-mediated methylene-addition to the carbonyl of a homochiral polyfunctionalized cyclohexenone, and intramolecular oxirane-ring opening. Efficient synthesis of novel enantiopure 3*a*,4,5,7*a*-tetrahydrobenzoxazole derivatives 4059
- Osada H. see Shimizu T. 6755
- Osada H. see Sodeoka M. 8775
- Osako K. see Shimizu T. 6755
- Osborn J. A. see Lorber C. Y. 853
- Osborn J. A. see Sablong R. 4933
- Osborn J. A. see Sablong R. 4937
- Osborne S. A. see  
Hudson R. D. A. 9009
- Oshima K. see Inoue R. 5377
- Oshima K. see Takaku K. 6781
- Osipov S. N. Sewald N.  
Kolomiets A. F. Fokin A. V.  
and Burger K.  
Synthesis of  $\alpha$ -trifluoromethyl substituted  $\alpha$ -amino acid derivatives from methyl 3,3,3-trifluoro-2-diazopropionate 615
- Ostendorf M. see Louwrier S. 905
- Osuga H. see Tanaka K. 5925
- Osuka A. see Shinoda S. 4945
- Otani T. see Iida K. 4997
- Otani Y. see Chou T. 3871

- O'Toole J. C.** see Chou T. S. 17
- Otsubo K.** see Tanaka K. 3735
- Ouazzani J.** see Herlem D. 1241
- Oudet P.** see Nuss S. 5705
- Ourouto J.-C. Bourhis M.**
- Vercauteren J. and Théodore N.**
- First symmetrical bicyclo[6.6.0]tetradecane resveratrol tetramer from stalks of *Vitis vinifera* (Vitaceae) 4697
- Outten R. A.** see Van Arnum S. D. 8659
- Overkleeft H. S. and Pandit U. K.**
- A formal synthesis of castanospermine using an olefin metathesis cyclisation reaction as a key step 547
- Owen D. J.** see Mander L. N. 723
- Owton W. M.** see Crowley P. J. 5975
- Oyarzabal J.** see Palacios F. 4577
- Ozaki F.** see Tsunoda T. 2463
- Ozola V. Reese C. B. and Song Q.**
- Use of ammonium aryl *H*-phosphonates in the preparation of nucleoside *H*-phosphonate building blocks 8621
- Lacombe J. M.** see Contino C. 9049
- Ozturk T.**
- An unusual reaction of Lawesson's reagent with 1,8-diketones: a synthesis of fused 1,4-dithiins and thiophenes 2821
- Paddon-Row M. N.** see Ranasinghe M. G. 4797
- Padmakumar R.** see Sreekumar R. 5281
- Padwa A. and Semones M. A.**
- An expedient synthesis of epi-eburnamenine via an intramolecular 1,4-dipolar cycloaddition reaction 335
- Padwa A.** see Cochran J. E. 2903
- Padwa A.** see Prein M. 6981
- Pagano T.** see Hill D. R. 787
- Page P. C. B. Heer J. P.**
- Bethell D. Collington E. W. and Andrews D. M.
- Corrigendum 2515
- Page P. C. B. Purdie M. and Lathbury D.**
- Enantioselective synthesis of  $\alpha$ -hydroxyketones using the DiTOX asymmetric building block 8929
- Pagnoni U. M.** see Forti L. 2077
- Paik S. and White E. H.**
- Synthesis of  $\beta$ -aminosulfonopeptides activated through selective N-nitration of a taurine amide unit 4663
- Paikoff S. J. Wilson T. E.**
- Cho C. Y. and Schultz P. G.
- The solid-phase synthesis of *N*-alkylcarbamate oligomers 5653
- Paikoff S. J.** see Kim J.-M. 5305
- Pain G.** see Gennari C. 3747
- Painter J. E.** see Beddoes R. L. 9385
- Pajau A.** see Lopp M. 7583
- Pakulski Z.** see Jonczyk A. 8909
- Pal A.** see Das S. 4421
- Palacios F. Aparicio D. de los Santos J. M. and Rodriguez E.**
- An improved and general method for the synthesis of  $\alpha,\beta$ -unsaturated oximes from phosphine oxide alkenes 1289
- Palacios F.**
- Ochoa de Retana A. M. and Oyarzabal J.
- A 'one pot' synthesis of polysubstituted pyridines from metallated alkylphosphonates, nitriles and  $\alpha,\beta$ -unsaturated ketones 4577
- Palacios F. and Rubiales G.**
- Aza-Wittig reaction of *N*-vinylic phosphazenes with carbonyl compounds.
- Azadiene-mediated synthesis of dihydropyridines and pyridines 6379
- Pale P.** see Bertus P. 2019
- Pale P.** see Dalla V. 2777
- Pale P.** see Dalla V. 2781
- Paleo M. R. and Sardina F. J.**
- Enantiospecific synthesis of  $\alpha$ -amino ketones and  $\beta$ -amino alcohols from the reaction of *N*-(9-phenylfluoren-9-yl)-alanine oxazolidinone with organolithium reagents 3403
- Palermo M. G.**
- Novel one-pot cyclization of *ortho* substituted benzonitriles to 3-amino-1,2-benzisoxazoles 2885
- Paleta O.** see Dolensky B. 6939
- Palmer C. F. McCague R.**
- Ruecroft G. Savage S.
- Taylor S. J. C. and Ries C.
- Unexpected stereoselectivity in the *cis* dihydroxylation of some 2-cyclopentene-1-carboxamides 4601
- Palombi L. Arista L.**
- Lattanzi A. Bonadies F. and Scettri A.
- Zeolite-catalyzed oxidation of benzylidene and acetylenic alcohols with *t*-butyl hydroperoxide 7849
- Palomo C. Oiarbide M.**
- González A. García J. M.
- Berrée F. and Linden A.
- New chiral acetate imide enolate for stereoselective aldol reactions 6931
- Palomo C. Oiarbide M.**
- González A. García J. M. and Berrée F.
- exo,exo*-2,3-Diaminoborneol-derived imidazolidinone as chiral auxiliary for asymmetric alkylations 4565
- Palomo C.** see Loupy A. 8177
- Pamart L.** see Carpentier J.-F. 167
- Pan W.** see Thamattoor D. M. 8333
- Pan Z. and Still W. C.**
- Macrocyclic oligomers of isophthalic acid and *trans*-1,2-diaminocyclohexane—building blocks for synthetic peptide receptors 8699
- Pancrazi A.** see Anies C. 5519
- Pancrazi A.** see Anies C. 5523
- Pancrazi A.** see Muller B. 3313
- Pandey G. Reddy P. Y. and Das P.**
- Synthesis and utilization of a novel glycine derived chiral precursor, based on a recyclable L-prolinol auxiliary, for the enantioselective preparation of  $\alpha$ -amino acids and their *N*-methyl derivatives 3175
- Pandey G. and Chakrabarti D.**
- Further evidence on the PET cyclization of  $\alpha$ -silylmethylamines tethered with non-activated olefins: demonstration by the total synthesis of (–)-retronecanol 2285
- Pandey R. K.** see Kozyrev A. N. 3781
- Pandey R. K.** see Kozyrev A. N. 6431
- Pandey R. K.** see Kozyrev A. N. 747
- Pandit U. K.** see Overkleeft H. S. 547
- Panek J. S. and Zhu B.**
- Synthesis of aromatic 1,2-diazines by inverse electron demand Diels–Alder reaction of polymer-supported 1,2,4,5-tetrazines 8151
- Panigrahi G. B.** see Zhao B. P. 3093
- Pannecoucke X.** see Knerr L. 5123
- Pansare S. V. and Malusare M. G.**
- Intramolecular imine cross-coupling in dibenzylidine sulfamides: synthesis of unsymmetrical 1,2-diaryl ethanediamines 2859
- Panunzio M.** see Bandini E. 4409
- Panunzio M.** see Camerini R. 2467
- Paolesse R. Tagliatesta P. and Boschi T.**
- Synthesis of unsymmetrical porphyrin dimers containing  $\beta$ -

- octaalkyl and *meso*-tetraphenylporphyrin subunits 2637
- Papa A.** see Cozzi P. G. 4613
- Papa F.** see Ballini R. 3507
- Papadopoulos M.** see Jenner G. 1417
- Patageorgiou G. K.** see Nicolaides D. N. 1097
- Papoutsis I.** **Spyroudis S.** and **Varvoglou A.**
- 3-Aryliodonio-1,4-naphthoquinone-2-imides: a new class of aryliodonium 1,4 dipoles 913
- Pappalardo S.** **Petrunga A.**
- Parisi M. F.** and **Ferguson G.**
- Novel 1,2-bridged calix[4]crowns in the 1,2-alternate conformation 3907
- Pappalardo S.** and **Parisi M. F.**
- Inherently chiral calix[4]crown ethers 1493
- Pappalardo S.** see Arnecke R. 1497
- Paquette L. A.** **Branan B. M.** and **Stepanian M.**
- Unprecedented loss of stereochemical integrity at a neighboring quaternary carbon during oxidation of a highly substituted cyclohexanol 1721
- Paquette L. A.** **Doyon J.** and **Kuo L. H.**
- Sequenced reactions involving squaret esters. The first suggestion that helical equilibration within the advanced octatetraene intermediate is responsible for stereochemical control 3299
- Parakka J. P.** **Kini A. M.** and **Williams J. M.**
- A facile route to aromatic ring-annealed bis(ethylenedithio)-tetrathiafulvalene derivatives 8085
- Paredes R.** **Agudelo F.** and **Taborda G.**
- Facile new methods for introduction and removal of the diphenylmethyl group as a protective group of carboxylic acids 1965
- Pareja C.** see Lassaletta J. M. 5787
- Pareschi P.** see Nanni D. 9337
- Paris J.-M.** see Largeron M. 7499
- Paris M.** **Fehrentz J.-A.**
- Heitz A.** **Loffet A.** and **Martinez J.**
- Synthesis of N-protected  $\gamma$ -amino- $\beta$ -keto-esters from urethane *N*-carboxy-anhydrides (UNCAs) 8489
- Parisi M. F.** see Fonte P. 6201
- Parisi M. F.** see Fonte P. 6205
- Parisi M. F.** see Kohnke F. H. 4593
- Parisi M. F.** see Pappalardo S. 1493
- Parisi M. F.** see Pappalardo S. 3907
- Pariza R. J.** see Hill D. R. 787
- Park B. S.** see Jung B. 4019
- Park B. S.** see Oh C. H. 8875
- Park C.-H.** see Givens R. S. 6259
- Park H.-S.** see Ha D.-C. 5723
- Park H. B.** see Kim K. S. 1249
- Park I. Y.** see Kim D. 1433
- Park J.** **Lee S.** **Ahn K. H.** and **Cho C.-W.**
- Effects of solvent and lithiating agent on stereoselectivity in lithiation of chiral 1,1'-bis(oxazolinyl)ferrocenes 6137
- Park J. W.** see Jeong K.-S. 2795
- Park K. B.** see Yoon N. M. 8527
- Park K. H.** **Jun K.** **Shin S. R.** and **Oh S. W.**
- 2-Arylbenzoxazoles from phenolic Schiff's bases by thianthrene cation radical 8869
- Park K. K.** and **Han S. Y.**
- Convenient reduction of azobenzenes and azoxybenzenes to hydrazobenzenes by sodium dithionite using diocetylviologen as an electron transfer catalyst 6721
- Park S.-U.** see Newcomb M. 819
- Parker B. E.** see Chou T. S. 17
- Parker D.** see Bates G. B. 267
- Parker M.-C.** **Besson T.**
- Lamare S.** and **Legoy M.-D.**
- Microwave radiation can increase the rate of enzyme-catalysed reactions in organic media 8383
- Parlow J. J.**
- The use of anion exchange resins for the synthesis of combinatorial libraries containing aryl and heteroaryl ethers 5257
- Parmar V. S.** see Singh S. K. 7619
- Parra A.** see Aneja R. 5081
- Parra-Rapado L.** see Landais Y. 1205
- Parra-Rapado L.** see Landais Y. 1209
- Parraín J.-L.** see Thibonnet J. 7507
- Parsons A. F.** and **Pettifer R. M.**
- A radical approach to *N*-desulfonylation 1667
- Pascal R.** see Sola R. 9195
- Pascal, Jr R. A.** **Carter M. L.**
- Johnson M. R.** and **Ho D. M.**
- A cyclophane bridged by an inwardly pyramidalized olefin 8125
- Paschal J. W.** see Neel D. A. 4891
- Pasquet M. J.** see Arnould J. C. 4523
- Passafaro M. S.** and **Keay B. A.**
- A one pot *in situ* combined Shapiro-Suzuki reaction 429
- Pastor A.** see Ezquerro J. 5813
- Pastor A.** see Ezquerro J. 683
- Pastor A.** see Molina P. 7829
- Patel B.** see Headley A. D. 6673
- Patel D. V.** see Gordeev M. F. 4643
- Patel D. V.** see Szardenings A. K. 3635
- Patel M.** see Chu M. 3943
- Patel M.** see Chu M. 7229
- Patel M.** see Phife D. W. 5227
- Patel P.** see Beddoes R. L. 9385
- Patel R. R.** see Ku Y.-Y. 1949
- Patel S. R.** see Floyd C. D. 8045
- Patel S. T.** **Percy J. M.** and **Wilkes R. D.**
- Functionally diverse monofluorinated vinylic compounds from trifluoro-ethanol 5183
- Patel S. T.** see Blades K. 6403
- Paterson I.** **Fepner K.**
- Finlay M. R. V.** and **Jacobs M. F.**
- Studies towards the synthesis of the zaragozic acids: a novel epoxide cyclisation approach to the formation of the bicyclic acetal core 8803
- Paterson I.** **Gibson K. R.** and **Oballa R. M.**
- Remote, 1,5-*anti* stereo-induction in the boron-mediated aldol reactions of  $\beta$ -oxygenated methyl ketones 8585
- Paterson I.** **Oballa R. M.** and **Norcross R. D.**
- Studies in marine macrolide synthesis: stereocontrolled synthesis of the AB-spiroacetal subunit of spongistatin 1 (altohytin A) 8581
- Paterson I.** and **Nowak T.**
- anti* Aldol reactions of  $\alpha$ -alkoxymethyl ketones: application to the total synthesis of (+)-restricticin 8243
- Pathi P. L.** see Rama Rao A. V. 3023
- Patil A. D.** see Snider B. B. 6977
- Patil S. S.** see Chavan S. P. 2629
- Patil V. J.**
- A simple access to trichloroacetimidates 1481
- Patil V. J.** and **Mävers U.**
- Wittig reactions in the presence of silica gel 1281
- Patin H.** see Poulaïn S. 7703
- Patino N.** see Farèse A. 1413
- Patney H. K.** and **Margan S.**
- Zirconium(IV) chloride-silica

- catalysed thioacetalisation of carbonyl compounds 4621
- Patonay T.** see Hoffman R. V. 2381
- Patra A.** see Bhattacharjee A. 7635
- Patra D.** see Ghosh S. 2073
- Patra D.** see Tanaka T. 7809
- Patrice T.** see Poignant G. 7511
- Patsiouras H.** see Valerio R. M. 3019
- Pattenden G. and Roberts L.** Cascade radical processes leading to polycycle constructions. The total synthesis of spongian-16-one 4191
- Pattenden G.** see Boden C. D. J. 9111
- Pattenden G.** see Boyce R. J. 3501
- Pattenden G.** see Critcher D. J. 9107
- Pattenden G.** see Foote K. M. 275
- Pattenden G.** see Gill G. B. 9369
- Pattenden G.** see Hayes C. J. 271
- Patterson J. W.** see Smith D. B. 21
- Patti A.** see Lambusta D. 127
- Patton R. W.** see Phife D. W. 5227
- Pätzelt M.** see Galley G. 6307
- Paul S. Roy R.**  
Suryawanshi S. N. and Bhakuni D. S.  
An efficient synthesis of functionalised decalin via cycloaddition reaction of D-glucose based dienes and 2-methoxycarbonyl-p-benzoquinone 4055
- Paul V. J.** see Nagle D. G. 6263
- Pavlovic D.** see Mlinaric-Majerski K. 4829
- Paz M. M. Correa J. F.**  
**Cabeza M. I. and Sardina F. J.**  
A versatile, enantioselective, stereocontrolled synthesis of (1*S*,2*R*)-imidazoleglycerol 9259
- Pearson A. J.**  
Gontcharov A. V. and Woodgate P. D.  
Studies on asymmetric conversion of arenes to functionalized cyclohex-enones via chiral auxiliary-promoted nucleophilic additions to arene-chromium complexes 3087
- Pearson A. J. and Bignan G.**  
Studies on the applications of arene-ruthenium complexes in synthetic approaches to vancomycin: a mild procedure for the selective formation of chlorinated aryl ethers and triaryl diethers 735
- Pearson D. J.** see Taylor G. M. 1297
- Pearson N. D.** see Buck R. T. 7631
- Pease J. E.** see Greeves N. 2675
- Pease J. E.** see Greeves N. 5821
- Pecchi S.** see Mordini A. 5209
- Pedersen M. L.** see Berkowitz D. B. 4309
- Pedersen S.** see Xue L. 1921
- Pederson C. Th.**  
The formation of 1,2-propadiene-1,3-dithione (carbon subsulfide) from flash vacuum pyrolysis of 1,2-dithiole-3-thiones 4805
- Pedgrift B. L.** see Lammin S. G. 6815
- Pedragosa-Moreau S.**  
Archelas A. and Furstoss R.  
Microbiological transformations—XXXI. Synthesis of enantiopure epoxides and vicinal diols using fungal epoxide hydrolase mediated hydrolysis 3319
- Pedram B.** see Batey R. A. 6847
- Pedregal C.** see Ezquerra J. 683
- Pedrosa R.** see Andrés C. 9085
- Pehk T.** see Lopp M. 7583
- Peláez-Lamamié de Clairac R.** see Medarde M. 2663
- Pellacani L.** see Carducci M. 3777
- Pellet-Rostaing S.** Regnouf-de-Vaïns and Lamartine R. 2,2'-Bithiazolyl-*p*-tert-butylcalix[4]arene podands. Synthesis and fluorescence properties 5889
- Pellissier H.** Wilmouth S. and Santelli M.  
Preparation of trifluoromethyl-substituted alcohols from allylsilanes and trifluoroacetic anhydride 5107
- Pellon P.** Le Goaster C. and Toupet L.  
Diastereoselective synthesis of diphosphines, effect of their configuration in asymmetric catalysis 4713
- Pelter A.** Crump R. A. N. C. and Kidwell H.  
Chiral [2:2]paracyclophanes—I. Synthesis and characterisation of unique homochiral amino-acids derived from [2:2]paracyclophane 1273
- Penadés S.** see Morales J. C. 5011
- Peper V. and Martens J.**  
New chiral oxazaphospholidine oxides as highly efficient catalysts in the enantio-selective reduction of ketones 8351
- Peplow M. A.** see Robertson J. 5825
- Pera E. Lluís Torres J. and Clapés P.**  
Enzymatic synthesis of carboxyglutamic acid containing peptides in organic media 3609
- Pérez E.** see Mattalia J.-M. 4717
- Perboni A.** see Camerini R. 2467
- Perboni A. D.** see Kennedy G. 7611
- Percy J. M.** see Blades K. 6403
- Percy J. M.** see Crowley P. J. 5975
- Percy J. M.** see Crowley P. J. 8233
- Percy J. M.** see Crowley P. J. 8237
- Percy J. M.** see Patel S. T. 5183
- Pereira S. and Srebnik M.**  
A study of hydroboration of alkenes and alkynes with pinacolborane catalyzed by transition metals 3283
- Pérès M.** see Duret P. 7043
- Pérez F.** see Camps P. 8601
- Pérez F.** see Camps P. 8605
- Pérez J. M. López-Alvarado P.**  
Alonso M. A. Avendaño C. and Menéndez J. C.  
Silica gel-supported hetero Diels-Alder reactions of quinolinetriones 6955
- Perez M.** Potier P. and Halazy S.  
Synthesis of arylpiperazines via nucleophilic aromatic substitution of ( $n^6$ -fluoro-arene)tricarbonylchromium complexes 8487
- Pérez M.** see Moreno-Mañas M. 7449
- Pérez N.** see Raposo C. 1485
- Pérez R.** see Alvarez E. 2865
- Pérez-Prieto J.** Miranda M. A. Font-Sanchis E. Kónya K. and Scaiano J. C.  
Lamp versus laser photolysis of 1,3-dichloro-1,3-diphenylpropane in cyclohexane. Direct observation of 1,3-diphenylpropenyl radical 4923
- Perfetti P.** see Chauvet F. 3695
- Periasamy M.**  
Rama Reddy M. and Bhaskar Kanth J. V.  
Low valent titanium induced one pot syntheses of imidazolines 4767
- Perlmutter P.** Puniani E. and Westman G.  
The reactions of aryl acrylates under Baylis-Hillman conditions 1715
- Perlmutter P.** and Puniani E.  
Base-promoted acetal formation with phenyl salicylates 3755

- Perlmutter P.** see Mavropoulos I. 3751
- Perry M. C.** see Arterburn J. B. 7941
- Perry N. B. Burgess E. J.** and Tangney R. S. Cytotoxic 8,9-secokaurane diterpenes from a New Zealand liverwort, *Lepidolaena taylorii* 9387
- Perry-O'Keefe H.** see Kremsky J. N. 4313
- Persichetti R. A. Lalonde J. J. Govardhan C. P. Khalaf N. K. and Margolin A. L.** *Candida rugosa* lipase: enantioselectivity enhancements in organic solvents 6507
- Persson M. P.** see Bols M. 2097
- Perumal P. T.** see Majo V. J. 5015
- Pesce A.** see D'Annibale A. 7429
- Peschke B.** see Kunzner H. 1771
- Petasis N. A. and Lu S.-P.** Stereocontrolled synthesis of substituted tetrahydropyranes from 1,3-dioxan-4-ones 141
- Petasis N. A. and Zavialov I. A.** Mild conversion of alkenyl boronic acids to alkenyl halides with halosuccinimides 567
- Pete J.-P.** see Hoffmann N. 2027
- Pete J.-P.** see Meyer C. 5885
- Peterk M.** see Wöhrl I. 7001
- Petersen A. K.** see Wasserman H. H. 6657
- Petersen A. K.** see Ziegler F. E. 809
- Peterson B. C.** see Roush W. R. 8989
- Peterson M. A.** see Robins M. J. 3921
- Petit A.** see Loupy A. 8177
- Petit Y.** see Imogaï H. 2573
- Petrina A.** see Pappalardo S. 3907
- Petrus L.** see Petrušová M. 2341
- Petrusová M. BeMiller J. N. and Petruš L.** A straightforward route to *N*-acetyl-D-glucosamine-derived C- $\beta$ -D-glycosyl synthons 2341
- Petter R. C.** see Shapiro M. J. 4671
- Pettifer R. M.** see Parsons A. F. 1667
- Peukert S. and Giese B.** Radical-induced S<sub>N</sub>1 substitution reactions 4365
- Peyrottes S. Vasseur J.-J. Imbach J.-L. and Rayner B.** Dramatic effect of the anomeric configuration on the thermal stability of duplex formed between novel dodecathymidine phosphoramide (P-NH<sub>2</sub>) and complementary DNA and RNA strands 5869
- Pezzella A.** see Napolitano A. 4241
- Pfeffer M.** see Chengebroyen J. 7263
- Pfeiler D.** see Adam W. 2113
- Pfleiderer W.** see Jungmann O. 8355
- Phanijphand T.** see Kaufman S. A. 8105
- Phife D. W. Patton R. W. Berrie R. L. Yarborough R. Puar M. S. Patel M. Bishop W. R. and Coval S. J.** Corrigendum 5227
- Phillips G. B. and Wei G. P.** Solid phase synthesis of benzimidazoles 4887
- Piancatelli G.** see De Mico A. 1889
- Planet I.** see Vivas N. 2015
- Piarulli U.** see Gude M. 8589
- Piattelli M.** see Cunsolo F. 715
- Piattelli M.** see Geraci C. 3899
- Piattelli M.** see Lambusta D. 127
- Piccialli G.** see Adinolfi M. 5007
- Piccialli V.** see Graziano M. L. 527
- Pichardo J.** see Chu M. 3943
- Pichon C. and Scott A. I.** Synthesis of unsymmetrical dipyrrolyl sulfides 2891
- Pichon M. Figadère B. and Cavé A.** C-Glycosylation of cyclic *N*-acyliminium ions with trimethylsilyloxyfuran 7963
- Pickering L.** see Bell A. A. 8561
- Pieken W. A.** see McGee D. P. C. 1995
- Pিérard C.** see Duret P. 7043
- Pierre J.-L.** see Provent C. 1393
- Piers E. McEachern E. J. and Romero M. A.** Intermolecular copper(II) chloride-mediated coupling of alkenyltrialkylstannane functions: a convenient synthesis of conjugated diene systems 1173
- Piers E. and Kaller A. M.** Bifunctional reagents in organic synthesis: stereocontrolled methods for the syntheses of functionalized *trans*-fused bicyclo-[3.3.0]octane and bicyclo-[4.3.0]nonane systems 5857
- Pieters L.** see Cimanga K. 1703
- Pieters L.** see Cimanga K. 3217
- Pietra F.** see N'Diaye I. 3049
- Piettre S. R.** Simple and efficient synthesis of 2,2-disubstituted-1,1-difluorophosphonates and phosphonothioates 2233
- Piettre S. R.** Efficient interconversion of  $\alpha,\alpha$ -difluoromethylenephosphonates and  $\alpha,\alpha$ -difluoromethylenephosphonothioates 4707
- Piettre S. R. Girol C. and Schelcher C. G.** A new strategy for the conversion of aldehydes into difluoromethyl ketones 4711
- Piettre S. R. and Cabanas L.** Reinvestigation of the Wadsworth-Emmons reaction involving lithium difluoromethylenephosphonate 5881
- Piettre S. R. and Raboisson P.** Easy and general access to  $\alpha,\alpha$ -difluoromethylene phosphonothioic acids. A new class of compounds 2229
- Piga E.** see Ghiron C. 3891
- Pigeon P. and Decroix B.** Benzothienoindolizidines via intramolecular aryl radical cyclization or palladium catalyzed cyclization 7707
- Pigge F. C.** see Rigby J. H. 2201
- Pike R. E.** see Saksena A. K. 6821
- Pike R. E.** see Saksena A. K. 5657
- Pillai J.** see Robertson J. 5825
- Pillai V. N. R.** see Ajayaghosh A. 6421
- Pinaud N.** see Fretté X. C. 2959
- Pinciroli V. Ceccarelli W. Fusar-Bassini D. Menichincheri M. Mongelli N. and Vanotti E.** New rearranged products from the methylation of 13-oxobaccatin III 9365
- Pineschi M.** see Crotti P. 1675
- Ping X.** see Kouda K. 4541
- Pini D.** see Minutolo F. 3375
- Pini E.** see Arcadi A. 3387
- Piniella J. F.** see Ortúñoz R. M. 4059
- Pintér I.** see Sallas F. 4011
- Pinto M. T.** see Cavaleiro J. A. S. 1893
- Pires R. and Burger K.** Synthesis of DL-isocysteine and some derivatives from thiomalic acid 8159
- Pirotte B.** see Masereel B. 7253
- Pirrung M. C. and Lee Y. R.** Formal total synthesis of ( $\pm$ )-aflatoxin B<sub>2</sub> utilizing the rhodium carbenoid dipolar cycloaddition 2391
- Pitchumani K. Warrier M. Cui C. Weiss R. G. and Ramamurthy V.** Photo-fries reaction of

- naphthyl esters within zeolites 6251
- Pitchumani K.** and  
Ramamurthy V.  
Cation-guest interaction within zeolites: Li<sup>+</sup> exchanged zeolites are unique 5297
- Pitchumani K.** see Gamlin J. N. 6037
- Pitt I. G.** see Warrener R. N. 3773
- Piva O.** see Meyer C. 5885
- Plachota P.** see Kroutil W. 8379
- Planeix J.-M.** see Schneider R. 4721
- Plantier-Royon R.** and  
**Portella C.**  
Synthesis of carbohydrate-derived acylsilanes 6113
- Plantier-Royon R.** see  
Brigaud T. 6115
- Plat D.** see Du S. 3545
- Plater M. J.** Praveen M.  
Stein B. K. and  
Ballantine J. A.  
Trifluorohemifullerene: gas phase argon ion fragmentation of hexafluorotribenzotriphenylene 7855
- Platz M. S.** see Huang H. 8337
- Platzer N.** see Raussou S. 1599
- Pleixats R.** see  
Moreno-Mañas M. 7449
- Plietker B.** see Metz P. 3841
- Plumet J.** see Aceña J. L. 3043
- Plumet J.** see Aceña J. L. 105
- Plumet J.** see Aceña J. L. 8957
- Plunian B.** see Garnier L. 6699
- Plunkett S. J.** see Davis A. P. 9401
- Pluskal M.** see Kremsky J. N. 4313
- Plusquellec D.** see Denis C. 53
- Pochet L.** see Masereel B. 7253
- Poh B.-L.** and **Thee K. K.**  
No distinction between host and guest—the case of cyclodextrins complexing with disodium 1,8-disulfonato-3,4,5,6-acridinetetracarboxylic acid 7433
- Poh B.-L.** and **Thee K. K.**  
Complexation of polyaromatic hydrocarbons with disodium 1,8-disulfonato-3,4,5,6-acridinetetracarboxylic acid in water 8451
- Pohjala E.** see Vepsäläinen J. 3533
- Pohl S.** see Kroke E. 3675
- Pohmakotr M.** and  
**Takamori A.**  
Destannylation acylation of 1-[(2-methoxyethoxy)methoxy]-2-(phenylsulfonyl)-2-(tributylstannyly)cyclopropane: a novel route to 3-acylfurans 4585
- Poignant G.** Bourseul A.  
Géze C. Le Plouzennec M.  
Le Maux P. Bondon A.
- Simonneaux G.** Moinet C.  
**Vonarx V.** and Patrice T.  
Synthesis, stereochemical and photophysical studies of chiral mesoporphyrins 7511
- Poitevin C.** see Cossy J. 6709
- Poitout L.** Le Merrer Y. and  
Depezay J.-C.  
Synthesis of azasugars—I. Isomerization of polyhydroxylated piperidines 1609
- Poitout L.** Le Merrer Y. and  
Depezay J.-C.  
Synthesis of azasugars—II. Isomerization of polyhydroxylated azepanes 1613
- Pokhilko N. D.** see  
Denisenko M. V. 5187
- Pola J.** see Fajgar R. 3391
- Polanco C.** see Alcaide B. 6901
- Polishook J. D.** see Singh S. B. 8077
- Pollini G. P.** see Barco A. 7599
- Poliniaszek R. P.** and **Bell S. J.**  
Remarkable examples of double diastereodifferentiation: application to the eudistomin and eudistomidin alkaloids 575
- Polovinka M. P.** Shal'ko A. A.  
Korchagina D. V.  
Gatilov Y. V.  
Shcherbukhin V. V. and  
Barkhash V. A.  
Rearrangements of ledene and aromadendrene in superacids 2631
- Polushin N. N.**  
Synthesis of functionally modified oligonucleotides from methoxyoxalamido precursors 3231
- Polushin N. N.** Smirnov I. P.  
Verentchikov A. N. and  
Coull J. M.  
Synthesis of oligonucleotides containing 2'-azido- and 2'-amino-2'-deoxyuridine using phosphotriester chemistry 3227
- Polyak F.** Dorofeeva T.  
**Zelchans G.** and **Shustov G.**  
Regio- and stereoselectivity of the formation of 1,3-oxazolidines in the reaction of *t*-ephedrine with phenylglyoxal. Unexpected rearrangement of 2-benzoyl-3,4-dimethyl-5-phenyl-1,3-oxazolidine to 4,5-dimethyl-3,6-diphenylmorpholin-2-one 8223
- Pommelet J. C.** see Jouen C. 2413
- Ponasik J. A.** Kassab D. J.  
and Ganem B.  
Synthesis of the antifouling polyamine pseudoceratidine and its analogs: factors influencing biocidal activity 6041
- Ponde D.** Borate H. B.  
Sudalai A.  
Ravindranathan T. and  
Deshpande V. H.  
Natural kaolinitic clay: a remarkable reusable solid catalyst for the selective functional protection of aldehydes and ketones 4605
- Ponomarev G. V.** see  
Yashunsky D. V. 7147
- Ponticelli F.** see Donati D. 5783
- Poon H. S.** see Harrowven D. C. 4281
- Poon W. W.** see Shepherd J. A. 2395
- Poot M.** see Gee K. R. 7905
- Port M.** see Calvo D. 1023
- Porta O.** see Clerici A. 3035
- Portella C.** see Brigaud T. 6115
- Portella C.** see  
Plantier-Royon R. 6113
- Porter W. J.** see Burke S. D. 343
- Porto A. M.** see  
de Oliveira C. M. A. 6427
- Posner G. H.** Tao X.  
Cumming J. N.  
Klinedinst D. and  
Shapiro T. A.  
Antimalarially potent, easily prepared, fluorinated endoperoxides 7225
- Posner G. H.** Wang D.  
González L. Tao X.  
Cumming J. N.  
Klinedinst D. and  
Shapiro T. A.  
Mechanism-based design of simple, symmetrical, easily prepared, potent antimalarial endoperoxides 815
- Posner G. H.** and **Bull D. S.**  
Molecular sieves promote stereocontrolled  $\alpha\alpha$ -disaccharide formation via direct dimerization of free sugars 6279
- Posthumus M. A.** see  
Griepink F. C. 411
- Potapov V. K.** see  
Stetsenko D. A. 3571
- Potenza D.** see Gude M. 8589
- Pothion C.** Fehrentz J.-A.  
Aumelas A. Loffet A. and  
Martinez J.  
Synthesis of pyrrolidine-2,4-diones from urethane *N*-carboxyanhydrides (UNCAs) 1027
- Potier P.** see Al Mourabit A. 9189
- Potier P.** see Perez M. 8487
- Potnis P. V.** see  
Ramana M. M. V. 1671
- Poujol H.** see Al Mourabit A. 9189
- Poulain S.** Noiret N. and  
Patin H.  
An easy access to symmetrical Z-olefins from phosphorus ylides 7703

- Poumellec P.** see O'Brien P. 5619  
**Poumellec P.** see O'Brien P. 8057  
**Poupat C.** see Al Mourabit A. 9189  
**Pour M. and Negishi E.**  
 A selective procedure for  $\alpha$ -alkenylation of enones involving Pd-catalyzed alkenyl-alkenyl coupling and its application to a convergent and efficient synthesis of nakanone B 4679  
**Poveda L.** see Chauret D. C. 7875  
**Powell N. A. and Rychnovsky S. D.**  
 Iodide acceleration in the Pd-catalyzed coupling of aromatic 1,2-difluorides with alkynes: synthesis of enediynes 7901  
**Power P.** see Wasserman H. H. 6657  
**Power T. D. and Sebastian J. F.**  
 Vinylic versus allylic deprotonation: an *ab initio* molecular orbital study of 2,3-dihydroxepin and 1,3-cycloheptadiene 9127  
**Pozsgay V.** see Dubois E. P. 3627  
**Prabhakar S.** see Aires-de-Sousa J. 3183  
**Prager R. H.** see Ang K. H. 675  
**Prahlad V. and Donaldson W. A.**  
 Enantioselective synthesis of the C11-C24 segment of macrolactin A via organoiron methodology 9169  
**Prajapati A. B. D.** see Baruah B. 9087  
**Prajapati D.** see Baruah M. 4559  
**Prajapati D.** see Boruah A. 4203  
**Prandi J.** see Mayer S. 3117  
**Prangé T.** see Dorta R. L. 6021  
**Prangé T.** see Ducrot P.-H. 3121  
**Prangé T.** see Hanna I. 7013  
**Prangé T.** see Hernández R. 6409  
**Prangé T.** see Muller B. 3313  
**Prasad K.** see Königsberger K. 9029  
**Prasad K.** see Xu D. 5301  
**Prasain J. K.** see Kadota S. 7283  
**Prasunamba P. L.** see Mahesh Reddy G. 3355  
**Praveen M.** see Plater M. J. 7855  
**Preckher G.** see Malan C. 6705  
**Prein M. and Padwa A.**  
 Ligand-dependent site selectivity in the Rh(II)-catalyzed decomposition of a glycine-derived diazo acetoacetamide 6981  
**Prestwich G. D.** see Thum O. 9017  
**Presutto M.** see Gandolfi R. 917  
**Preuss K. E.** see Yu D. W. 8845  
**Prévôt-Halter I., Smith T. J. and Weiss J.**  
 Synthesis of a dicarboxylic acid receptor organized around a dioxomolybdenum core 1201  
**Pribush D. A.** see Butcher J. W. 6685  
**Price D. A.** see Hughes A. D. 7607  
**Priego J.** see Fernández de la Pradilla R. 6793  
**Prieto P.** see Díaz-Ortiz A. 1695  
**Prinzbach H.** see Grabowski S. 7951  
**Prinzbach H.** see Mathew T. 4491  
**Probert J. M., Rennex D. and Bradley M.**  
 Lanthionines for solid phase synthesis 1101  
**Procopio A.** see Leggio A. 1277  
**Prokropowicz A. S.** see Shawe T. T. 3823  
**Prota G.** see Napolitano A. 4241  
**Prota G.** see Napolitano A. 6799  
**Provent C., Chautemps P., Gellon G. and Pierre J.-L.**  
 Double Wittig reactions with 4-carboxybutylidene triphenylphosphorane as the key step in the synthesis of benzene derivatives *meta*disubstituted with  $\omega\omega'$ -difunctionalized six-carbon chains 1393  
**Prowse W. G.** see Ezquerro J. 5813  
**Prunet J.** see Muller B. 3313  
**Pryde D. C., Henry S. S. and Meyers A. I.**  
 Synthesis of 2-tetralones via a novel 1,2-carbonyl transposition of 1-tetralones 3243  
**Puar M. S.** see Phife D. W. 5227  
**Puar M. S.** see Chu M. 3943  
**Puar M. S.** see Chu M. 7229  
**Puar M. S.** see Tagat J. R. 8459  
**Puar M. S.** see Tagat J. R. 8463  
**Pucci B.** see Contino C. 9049  
**Pulpoka B., Asfari Z. and Vicens J.**  
 Synthesis of unsymmetrical calix[4]arene cryptand crown-6 in 1,3-alternate conformation 6315  
**Pulpoka B., Asfari Z. and Vicens J.**  
 Synthesis of 1,3-alternate calix[4]-bis-cryptand as a cylindrical macropentacyclic receptor 8747  
**Puniani E.** see Perlmutter P. 1715  
**Puniani E.** see Perlmutter P. 3755  
**Püntener K., Schwink L. and Knochel P.**  
 New efficient catalysts for enantioselective transfer hydrogenations 8165  
**Punzalan E. R.** see Bailey W. F. 5435  
**Punzi A.** see Fiandanese V. 8455  
**Purdie M.** see Page P. C. B. 8929  
**Püschi A.** see Kehler J. 8041  
**Putnikovic B.** see Grigg R. 695  
**Pyne S. G.** see David D. M. 5417  
**Pyne S. G.** see Ung A. T. 6209  
**Qabar M. N. and Kahn M.**  
 Synthesis of (*S,S*)-3-prolylazetidin-2-one: a key component in the synthesis of an HIV gp120 constrained immunogen 965  
**Qi H.** see Davis F. A. 4345  
**Qi L.** see Wu M. 7409  
**Qing F.** see Yue X. 8213  
**Qiu D., Gandhi S. S. and Koganty R. R.**  
 $\beta$ Gal(1-3)GalNAc block donor for the synthesis of TF and  $\alpha$ -sialyl(2-6)TF as glycopeptide building blocks 595  
**Qiu W. and Burton D. J.**  
 A facile and general preparation of  $\alpha,\alpha$ -difluoro benzylic phosphonates by the CuCl promoted coupling reaction of the (diethylphosphonyl)difluoromethylcadmium reagent with aryl iodides 2745  
**Qiu W.** see Liao S. 7917  
**Quadrelli P., Gamba Invernizzi A. and Caramella P.**  
 A mild oxidation of nitrile oxides: a new synthetic route to nitroso carbonyl intermediates 1909  
**Quaranta L.** see Mann A. 2651  
**Quayle P.** see Beddoes R. L. 9119  
**Quayle P.** see Beddoes R. L. 9385  
**Quayle P.** see Gilbert P. 9115  
**Quéguiner G.** see Mongin F. 6695  
**Querci C.** see Chiavetto L. B. 1091  
**Quevillon T. M. and Weedon A. C.**  
 The photochemistry of 3-nitro-2-cyclohexenone 3939  
**Quiclet-Sire B., Saicic R. N. and Zard S. Z.**  
 A convenient synthesis of

- trifluoromethyl aryl sulfides 9057
- Quiclet-Sire B.** Saunier J.-B. and Zard S. Z.  
β-Lactams by a nickel powder/acetic acid mediated radical cyclisation 1397
- Quiclet-Sire B.** see Denieul M.-P. 5495
- Quiclet-Sire B.** see Laso N. M. 1605
- Quiclet-Sire B.** see Liard A. 5877
- Quintela J. M.** see Ojea V. 5801
- Quintela J. M.** see Ruiz M. 5743
- Quirion J.-C.** see Micouin L. 849
- Quiroga M. L.** see Alvarez-Ibarra C. 6573
- Rabah G. A. and Koser G. F.** Facile synthetic entry into the 1,3-dihydro-3-methyl-3-phenyl-1,2-benziodoxole family of  $\lambda^3$ -iodanes 6453
- Rabanal F.** DeGrado W. F. and Dutton P. L.  
Use of 2,2'-dithiobis(5-nitropyridine) for the heterodimerization of cysteine containing peptides. Introduction of the 5-nitro-2-pyridinesulfenyl group 1347
- Rabideau P. W.** see Liu C. Z. 3437
- Raboisson P.** see Piettre S. R. 2229
- Racioppi R.** see Bonini C. 2487
- Radel P. A. and Kahl S. B.** A useful modification of the attached proton test  $^{13}\text{C}$  NMR experiment: unambiguous peak assignments for carbons with large  $^{1}\text{J}_{(\text{CH})}$  values 6623
- Rademann J. and Schmidt R. R.** A new method for the solid phase synthesis of oligosaccharides 3989
- Radhakrishnan K. V.** see Nair V. 5623
- Radisson X.** see Mutti S. 8743
- Rafferty S. W.** see Crimmins M. T. 5649
- Rageot A.** see Cereghetti M. 5343
- Rageot A.** see Cereghetti M. 5347
- Rahman M. M.** see Gabbott C. D. 1313
- Rainey T. F.** see Audia J. E. 4121
- Rajagopal D.** see Marchand A. P. 467
- Rajesh S. Reddy M. M. and Iqbal J.** A one pot cobalt catalyzed regio- and stereoselective synthesis of oxazolidin-2-thiones from alkenes and trimethylsilylisothiocyanate 7315
- Rajopadhye M.** see Singh P. R. 4117
- Rakitin O. A. Rees C. W. and Vlasova O. G.** Direct synthesis of 2-cyanobenzimidazoles and the generation of  $\text{S}_2$  4589
- Rakov I. M.** see Lermontov S. A. 4051
- Raku N.** see Nemoto H. 6355
- Ram V. J. and Goel A.** Ring transformation reactions—IV. 6-Aryl-3-methoxycarbonyl-4-methylthio-2*H*-pyran-2-one, a novel synthon for the synthesis of 1,3-terphenyls from aryl ketones 93
- Ramachandran P. V.** Chen G.-M., Lu Z.-H. and Brown H. C.  
An efficient preparation of optically pure  $C_2$ -symmetric aromatic diols by the asymmetric reduction of diaryl aromatic compounds with *B*-chlorodiisopinocampheylborane 3795
- Ramachandran P. V.** Chen G.-M. and Brown H. C.  
Efficient general asymmetric syntheses of 3-substituted 1(3*H*)-isobenzofuranones in very high enantiomeric excess 2205
- Ramachandran P. V., Xu W. and Brown H. C.** Contrasting steric effects of the ketones and aldehydes in the reactions of the diisopinocampheyl enolboronates of methyl ketones with aldehydes 4911
- Ramachandran P. V.** see Dhokte U. P. 8345
- Ramachandran P. V.** see Weissman S. A. 3791
- Ramachandran R.** see Denk M. K. 9025
- Ramasadas K.** Lac sulfur on alumina-triethanolamine—an effective reagent for the synthesis of substituted guanidines 5161
- Ramasadas K., Velmathi S. and Sukanya S.** Corrigendum 7665
- Ramage R.** see MacDonald A. A. 4815
- Ramamurthy V.** see Gamlin J. N. 6037
- Ramamurthy V.** see Li X. 5235
- Ramamurthy V.** see Pitchumani K. 5297
- Ramamurthy V.** see Pitchumani K. 6251
- Ramamurthy V.** see Zhang Z. 4861
- Ramana M. M. V. and Potnis P. V.** Tandem acylation-cyclo-alkylation with cyclohexene 1-acetic acid: a new entry to aporphine alkaloids 1671
- Ramanaiah K. C. V.** see Marchand A. P. 8101
- Ramanaiah K. C. V.** see Moss R. A. 5849
- Ramanjulu J. M. and Joullié M. M.** Analogs of the β-turn of the cyclopeptide didemnin B 311
- Ramasamy K. S.** see Manoharan M. 7675
- Ramaswamy A. V.** see Chavan S. P. 233
- Ramaswamy A. V.** see Chavan S. P. 237
- Rama Rao A. V., Reddy K. L., Rao A. S., Vitthal T. V. S. K., Reddy M. M. and Pathi P. L.** Synthetic studies towards glycopeptide antibiotics: synthesis of the 16-membered cyclic tripeptide (DOEG ring) system of teicoplanin 3023
- Rama Rao A. V.** see Gurjar M. K. 6615
- Rama Rao A. V.** see Venkateswara Rao B. 8613
- Rama Reddy M.** see Periasamy M. 4767
- Ramchandani R. K.** Wakarkar R. D. and Sudalai A.  
 $\text{AlCl}_3$ -Catalyzed regiospecific alkylation of aromatics with chlorobenzotrifluorides: a high yield preparation of 1,1-dichlorodiphenylmethanes 4063
- Ramesh N. G.** see Bakkeren F. J. A. D. 8003
- Ramesh U., Kano K., Suzuki T., Miyazaki Y. and Washio Y.** A simple synthesis of 16-unsaturated corticosteroids 8403
- Ramezanian M. S.** see Dávila A. 2517
- Ramig K., Dong Y. and Van Arnum S. D.** A convenient preparation of cyclobutyl ketones: naphthalene-catalyzed reductive cyclization of substituted 1,4-dihalobutanes 443
- Ramig K.** see Van Arnum S. D. 8659
- Ramirez A.** see Bennasar M.-L. 6611
- Ramirez de Arellano M. C.** see Molina P. 7829
- Ramos A.** see Vega J. A. 6413
- Ramos A. C.** see Medarde M. 2663
- Ramsden C. A., Sargent B. J. and Wallett C. D.** A novel decarbonylation of heterocyclic pyruvic acid derivatives using sodium perborate 1901

- Ranasinghe M. G.** Oliver A. M.  
**Rothenfluh D. F.** Salek A.  
**and Paddon-Row M. N.**  
 A synthetic strategy for the construction of a novel series of buckminsterfullerene ( $C_{60}$ ) ball-and-chain molecules containing the porphyrin chromophore 4797
- Ranasinghe M. G.** see Grice I. D. 1087
- Rane A. M.** see Soderquist J. A. 2561
- Rane D. F.** see Jao E. 5661
- Rane R. A.** see Master H. E. 9253
- Ranganathan S.** Kundu D.  
**Tamilarasu N.** Nagaraj R.  
**Dhopde V. M.** and  
**Jaganadham M. V.**  
 The gramicidin pore: selective tryptophan replacement with aspartic acid 5199
- Rani A.** Kumar B.  
**Suryawanshi S. N.** and  
**Bhakuni D. S.**  
 Diels-Alder reaction of *in situ* generated *p*-benzoquinones with isoprenoidal dienol acetate: novel synthesis of 2-isoprenoidal naphthalene-5,8-quinols 8037
- Rankovic Z.** see Morphy J. R. 3209
- Ranu B. C.** Majee A. and  
**Das A. R.**  
 A convenient synthesis of  $\beta,\gamma$ -unsaturated ketones through zinc-mediated allylation of acid chlorides 1109
- Rao A. S.** see Rama Rao A. V. 3023
- Rao C.** see Liu C.-F. 933
- Rao P.** and Maitra U.  
 Novel functionalised Tröger's bases: synthesis of a new class of Tröger's base analogues containing dicarboxyl functionality 5791
- Rao P. S. V. S.** see Sarkar T. K. 6607
- Rao V. P.** see Asato A. E. 419
- Rao Citineni J.** see Stevenson T. M. 8375
- Raposo C.** Almaraz M.  
**Martín M.** Caballero M<sup>a</sup> C.  
**and Morán J. R.**  
 Catalysis of nucleophilic addition of pyrrolidine to 2-(5H)-furanone through chromenone cleft-type receptors 6947
- Raposo C.** Almaraz M.  
**Pérez N.** Martín M.  
**Weinrich V.** Grande M.  
**Caballero M. C.** and  
**Morán J. R.**  
 Cleft type receptors for butenolides based on chromenone derivatives 1485
- Rappoport Z.** see Cerioni G. 5797
- Raptopoulou C. P.** see Nicolaides D. N. 1097
- Rasmussen P. H.** see Nielsen J. 3351
- Rastelli A.** see Gandolfi R. 1321
- Rastelli A.** see Gandolfi R. 517
- Rasul R.** see Grigg R. 4609
- Rataj H.** see Mellor J. M. 2615
- Rataj H.** see Mellor J. M. 2619
- Ratcliffe A. J.** see Lammin S. G. 6815
- Rath N.** see Murray R. W. 8671
- Ratledge C.** see Lane S. J. 1
- Rotovelo manana-Vidal V.** see Gautier I. 7721
- Raussou S.** Urbain N.  
**Mangeney P.** Alexakis A.  
**and Platzer N.**  
 Preparation of chiral hexahydroquinolizinones and tetrahydroindolizinones by regio- and diastereoselective sonochemical cyclization of chiral dihydropyridines 1599
- Ravasio N.** Antenori M.  
**Gargano M.** and  
**Mastrorilli P.**  
 Cu/SiO<sub>2</sub>: an improved catalyst for the chemoselective hydrogenation of  $\alpha,\beta$ -unsaturated ketones 3529
- Ravelo J. L.** Regueiro A.  
**Rodríguez E.** de Vera J. and  
**Martin J. D.**  
 Synthetic studies towards ciguatoxin via acetal/ $\gamma$ -oxovinyl stannane condensation: a convergent approach 2869
- Ravikrishna Ch.** see Mehta G. 2655
- Ravikumar V. T.**  
**Cheruvallath Z. S.** and  
**Cole D. L.**  
 4-Cyano-2-but-enyl group: a new type of protecting group in oligonucleotide synthesis via phosphoramidite approach 6643
- Ravikumar V. T.** see Krotz A. H. 1999
- Raviña E.** see Masaguer C. F. 5171
- Ravindranathan T.** see Chavan S. P. 233
- Ravindranathan T.** see Chavan S. P. 237
- Ravindranathan T.** see Chavan S. P. 2629
- Ravindranathan T.** see Kalkote U. R. 6785
- Ravindranathan T.** see Ponde D. 4605
- Ravoo B. J.** see Coudret J. L. 2425
- Rawal V. H.** see Dufour C. 7867
- Rawdah T. N.** and El-Faer M. Z.  
 The static and dynamic conformational properties of *cis,cis,trans*-1,5,9-cyclo-dodecatriene 4267
- Rayner B.** see Peyrottes S. 5869
- Raynham T. M.** see Attwood M. R. 2731
- Reamer R. A.** see Karady S. 8277
- Reamer R. A.** see Rossen K. 6843
- Réau R.** see Bon E. 1217
- Rebien F.** see Linker T. 8363
- Reboul V.** see Guillou C. 4515
- Recupero F.** see Araneo S. 6897
- Recupero F.** see Araneo S. 7425
- Reddy B. S. N.** see Kamal A. 2281
- Reddy B. S. N.** see Kamal A. 6803
- Reddy B. S. P.** see Kamal A. 2281
- Reddy B. S. P.** see Kamal A. 6803
- Reddy Ch. K.** see Riguet E. 5865
- Reddy G. P.** see Jacobson I. C. 8263
- Reddy G. V.** see Davis F. A. 4349
- Reddy G. V.** see Davis F. A. 5473
- Reddy J. P.** see Engler T. A. 327
- Reddy K. L.** see Rama Rao A. V. 3023
- Reddy K. S.** see Mehta G. 2289
- Reddy M. M.** see Rajesh S. 7315
- Reddy M. M.** see Rama Rao A. V. 3023
- Reddy M. P.** Farooqui F. and  
**Hanna N. B.**  
 Elimination of transamination side product by the use of dC<sup>Ac</sup> methylphosphonamidite in the synthesis of oligonucleoside methylphosphonates 8691
- Reddy N. K.** see Kabalka G. W. 2181
- Reddy P. S. N.** see Mahesh Reddy G. 3355
- Reddy P. Y.** see Pandey G. 3175
- Reddy R. E.** see Adamczyk M. 2325
- Reddy R. S.** Iguchi S.  
**Kobayashi S.** and Hirama M.  
 Palladium-catalyzed coupling of alkenyl iodides with ethynyl oxiranes: synthesis of epoxy enediyne core intermediates related to neocarzinostatin chromophore 9335
- Reddy T. J.** see Srikrishna A. 1679
- Redpath J.** see Casaschi A. 4413
- Redpath J.** see Grigg R. 4609
- Reed J. E.** see Bell A. S. 123
- Reed S. C.** and Modarelli D. A.  
 Conformational effects on the excited state 1,2-hydrogen

- migration in alkyl diazo-methanes 7209
- Rees C. W.** see Gillies I. 4065
- Rees C. W.** see Rakitin O. A. 4589
- Rees D. C.** see Barn D. R. 3213
- Rees D. C.** see Morphy J. R. 3209
- Rees D. C.** see Stowell M. H. B. 307
- Reese C. B.** see Liu X. 925
- Reese C. B.** see Ozola V. 8621
- Reetz M. T., Breinbauer R. and Wanninger K.** Suzuki and Heck reactions catalyzed by preformed palladium clusters and palladium/nickel bimetallic clusters 4499
- Reetz M. T., Strack T. J., Mutulis F. and Goddard R.** Asymmetric dihydroxylation of chiral  $\gamma$ -amino  $\alpha,\beta$ -unsaturated esters: turning the mismatched into the matched case via protective group tuning 9293
- Reggelin M. and Brenig V.** Towards polyketide libraries: iterative, asymmetric aldol reactions on a solid support 6851
- Reginato G., Mordini A., Degl'Innocenti A. and Caracciolo M.** Corrigendum 1325
- Reginato G.** see Mann A. 2651
- Reginato G.** see Mordini A. 5209
- Regnouf-de-Vains J.-B. and Lamartine R.** Wittig reaction on calixarene upper rim. Access to conjugated bipyrlyl and pyridyl podands 6311
- Regnouf-de-Vains J.-B.** see Pellet-Rostaing S. 5889
- Regueiro A.** see Ravelo J. L. 2869
- Reid G.** see Mellor J. M. 2615
- Reid R. G.** see Kelly N. M. 1517
- Reider P. J.** see Brands K. M. J. 2919
- Reider P. J.** see Davies I. W. 1725
- Reider P. J.** see Davies I. W. 813
- Reider P. J.** see Rossen K. 6843
- Reider P. J.** see Senanayake C. H. 3271
- Reider P. J.** see Wells K. M. 6439
- Reif B.** see Köck M. 363
- Reinhardt K. R.** see Spaltenstein A. 1343
- Reinhold U.** see Hanessian S. 8967
- Reinhold U.** see Hanessian S. 8971
- Reinhoudt D. N.** see Boerrigter H. 5167
- Reinhoudt D. N.** see Shivanyuk A. N. 9341
- Renaud P. and Stojanovic A.** Stereoselectivity of the reactions of *N*-phthaloyl iminium ions and amino-substituted radicals derived from threonine 2569
- Renaud P.** see Gerster M. 6335
- Renaud P.** see Stojanovic A. 9199
- Renaud P.** see Zahouily M. 8387
- Renil M. and Meidal M.** POEPOP and POEPS: inert polyethylene glycol crosslinked polymeric supports for solid synthesis 6185
- Rennex D.** see Probert J. M. 1101
- Renouard T.** see Dupau P. 7503
- Repic O.** see Königsberger K. 9029
- Repic O.** see Xu D. 5301
- Resnati G.** see Arnone A. 3903
- Resta S.** see D'Annibale A. 7429
- Reyé C.** see Chauhan M. 845
- Reynolds W. F.** see Henry G. E. 8663
- Rezende M. C., Dall'Oglio E. L. and Zucco C.** Puzzling formation of bisimidazole derivatives from hexachloroacetone and diamines 5265
- Rhie D. Y.** see Kim D. Y. 653
- Rhihil A.** see Sebti S. 3999
- Rhihil A.** see Sebti S. 6555
- Rhim C. Y.** see Oh C. H. 8875
- Ribeiro A. A.** see Zoretic P. A. 1751
- Ribeiro A. A.** see Zoretic P. A. 7909
- Ricci M.** see Chiavetto L. B. 1091
- Riccio R., Kinnel R. B., Bifulco G. and Scheuer P. J.** Kakelokelose, a sulfated mannose polysaccharide with anti-HIV activity from the pacific tunicate *Didemnum molle* 1979
- Richards C. J.** see Locke A. J. 7861
- Richardson J. L.** see Mascal M. 3505
- Riche C.** see Sageot O. 7019
- Richert C.** see Baeschlin D. K. 1591
- Rickards R. W.** see Henschke J. P. 3557
- Rico R. and Bermejo F.** Stereoselective preparation of (5E)- and (5Z)-5-benzylidene-3-methyl-3-pyrrolin-2-ones. Application to the synthesis of ampulicine and isoampullicine 5809
- Rico R.** see Suau R. 3575
- Rico R.** see Suau R. 9357
- Rider P.** see Shaw-Ponter S. 1871
- Riebel B.** see Seelbach K. 1377
- Riebel P., Weber A., Troll T., Sauer J., Breu J. and Nöth H.** Umlagerungen von 2,5-diarylstyrenen 1587
- Riebel P., Weber A., Troll T., Sauer J. and Breu J.** 3,4-Diazanorcaradiene als Vorstufen neuer stabiler Azomethinylide 1583
- Riego J.** see Lonergan D. G. 6109
- Riego J. M., Sedin Z., Zaldívar J. M., Marziano N. C. and Tortato C.** Sulfuric acid on silica-gel: an inexpensive catalyst for aromatic nitration 513
- Rieke R. D.** see Kim S.-H. 2197
- Riermeier T. H.** see Beller M. 6535
- Ries C.** see Palmer C. F. 4601
- Rigby J. H., de Sainte Claire V. and Heeg M. J.** Studies on electrocyclization in bicyclo[4.4.1]undeca-2,4-diene and bicyclo[4.2.1]nona-2,4-diene systems 2553
- Rigby J. H. and Pigge F. C.** A novel entry into the 6-azabicyclo[3.2.1]octane system via radical rearrangement of a tropane derivative 2201
- Rigby J. H. and Sugathapala P.** Lipase-mediated resolution and higher-order cycloaddition of substituted tricarbonyl ( $n^6$ -cycloheptatriene)chromium(0) complexes 5293
- Riggs J. A., Hossler K. A., Smith B. D., Karpa M. J., Griffin G. and Duggan P. J.** Nucleotide carrier mixture with transport selectivity for ribonucleoside-5'-phosphates 6303
- Righetti P. P.** see Desimoni G. 3027
- Righi G., D'Achille R. and Bonini C.** Regioselective opening of 3-substituted *N*-ethoxycarbonyl aziridine-2-carboxylates with metal halides toward the preparation of  $\alpha$  and  $\beta$ -amino acids 6893
- Righi G.** see Bonini C. 2487
- Rigo B., El Ghammarti S. and Couturier D.** On the cyclization of acyliminium salts derived from pyroglutamic acid 485
- Riguet E., Klement I., Reddy Ch. K., Cahiez G. and**

- Knochel P.**  
New mixed metal (Mn/Cu) catalyzed stereoselective cyclizations 5865
- Riopele R. J.** see Gorin B. I. 4647
- Riou A.** see Leriche P. 5115
- Riou A.** see Leriche P. 8861
- Ripka W. C.** see Tamura S. Y. 4109
- Ripoche I., Bennis K., Canet J.-L., Gelas J. and Troin Y.**  
Diastereoselective elaboration of 2,3,4-substituted piperidines using diene iron tricarbonyl complexes. Total synthesis of ( $\pm$ )-dienomycin C and ( $\pm$ )-4-*epi*-dienomycin C 3991
- Ripoll J.-L.** see Lefèvre V. 7017
- Ripoll J.-L.** see Systermans A. 3317
- Ripoll M. M.** see Luis J. G. 4213
- Rivera-Sagredo A.** see New A. P. 3039
- Rivière F., Romanenko V. D., Mazières M.-R., Sanchez M. and Wolf J.-G.**  
The synthesis of pentadienylium salts via reactions of (5-ethoxy-1,5-diaryl-2,4-penta-dienyldiene)ethyloxonium perchlorate with hydrazines 6717
- Rivory L. P.** see Bourzat J.-D. 6327
- Rizzon C.** see Bartrik R. 8751
- Roan G. A.** see Gill G. B. 9369
- Robb E. W.** see Bose A. K. 6989
- Robert A.** see Boukhris S. 4693
- Robert J.** see Bourzat J.-D. 6327
- Robert J.-M.** see Belt S. T. 4755
- Robertti M.** see Kozikowski A. P. 5333
- Roberts B. P.** see Haque M. B. 9123
- Roberts D., Alvarez M. and Joule J. A.**  
Synthesis of 6-chloro-1,3,4,5-tetrahydro-7,8-dimethoxy-1-methylpyrrolo-[4,3-*d*]-quinoline from a quinoline; formal total syntheses of batzelline C, isobatzelline C, discorhabdin C and makaluvamine D 1509
- Roberts E.** see Hudson R. D. A. 9009
- Roberts F. E.** see Senanayake C. H. 3271
- Roberts L.** see Pattenden G. 4191
- Roberts M. A.** see Nagle D. G. 6263
- Roberts R. S.** see Fleming I. 9395
- Robertson J., O'Connor G. and Middleton D. S.**
- Silicon tethered type II ene cyclisations 3411
- Robertson J., Peplow M. A. and Pillai J.**  
The synthesis of ( $\pm$ )-heliotridane and (6*S*,7*S*)-dihydroxyheliotridane via sequential hydrogen atom abstraction and cyclisation 5825
- Robertson M.** see Shaw-Pontor S. 1867
- Robins M. J., Sarker S., Xie M., Zhang W. and Peterson M. A.**  
Synthesis of 2',3'-fused (3,3.0)  $\gamma$ -butyrolactone-nucleosides and coupling with amino-nucleosides to give amide-linked nucleotide-dimer analogues 3921
- Robinson A., Li H.-Y. and Feaster J.**  
The first practical asymmetric synthesis of *R*- and *S*-warfarin 8321
- Robinson P. M.** see Shawe T. T. 3823
- Robl J. A., Sieber-McMaster E. and Sulsky R.**  
Synthetic routes for the generation of 7,7-dialkyl azepin-2-ones 8985
- Roboz J.** see Weisz I. 563
- Roby J.** see Loyer N. 3415
- Rochdi A.** see Lazrek H. B. 4701
- Rock M. H.** see Bégué J.-P. 171
- Rock R. S.** see Stowell M. H. B. 307
- Rodebaugh R., Debenham J. S. and Fraser-Reid B.**  
Debenylation of complex oligosaccharides using ferric chloride 5477
- Rodilla J. M. L.** see Urones J. G. 1659
- Rodrigues J. A. R.** see de Oliveira Filho A. P. 5029
- Rodríguez A.** see Fernández de la Pradilla R. 6793
- Rodríguez A. D. and Soto J. J.**  
Isolation and structure of aceropterine, a rare pseudopterane alkaloid from the Caribbean sea plume *Pseudopterogorgia acerosa* (Pallas) 2687
- Rodríguez E.** see Palacios F. 1289
- Rodríguez E.** see Ravelo J. L. 2869
- Rodriguez L. C.** see Kerr R. G. 8301
- Rodríguez M. A.** see Bernabeu M. C. 3595
- Rodriguez M. J. and Zweifel M. J.**  
Trimethylamine *N*-oxide: a novel reagent for the promotion of the retro-aldol reaction of R106-1 (LY295337) 4301
- Rodríguez R. and Bermejo F.**  
Decarbonylation of  $\alpha$ -tertiary amino acids. Application to the synthesis of polyhydroxylated indolizidines 5581
- Rodriguez Ramos J. H.** see García Ruano J. L. 4569
- Roe M. B.** see Magnus P. 303
- Rogers R. D.** see Brogan J. B. 5053
- Rohmer M.** see Herrmann D. 1791
- Roignant A.** see Gardinier I. 7711
- Rojas Wahl R. U.** see Barton D. H. R. 1133
- Rojo J.** see Carretero J. C. 3179
- Rokach J.** see Adiyaman M. 4849
- Rokach J.** see Hwang S.-W. 779
- Rokach J.** see Shi X.-X. 4331
- Rölfing K.** see Bojack G. 6103
- Rolland-Fulcrand V.** see Hua T. D. 175
- Rollin P.** see Mavratzotis M. 5699
- Romagnoli R.** see Barco A. 7599
- Romanenko V. D.** see Rivière F. 6717
- Romanovskis P.** see Spatola A. F. 591
- Romero A. G.**  
Darlington W. H.  
Jacobsen E. J. and Mickelson J. W.  
Oxidative cyclization of acyclic ureas with bis(trifluoroacetoxy)iodobenzene to generate N-substituted 2-benzimidazolinones 2361
- Romero M. A.** see Piers E. 1173
- Romo D.** see Schmitz W. D. 4857
- Roncali J.** see Elandaloussi E. H. 6121
- Rong X. X.** see Dolbier, Jr W. R. 5321
- Rood G. A., DeHaan J. M. and Zibuck R.**  
Copper(II) bromide on alumina: a new reagent for bromolactonization 157
- Rooke S.** see Clark A. J. 909
- Roque J.-P.** see Winum J.-Y. 1781
- Rosa A.** see Curci R. 115
- Rosati O.** see Cabri W. 4785
- Roschangar F.** see Ciufolini M. A. 8281
- Rose E.** see Besson L. 3307
- Rose-Munch F.** see Besson L. 3307
- Rosegay A.** see Hirschmann R. 5637

- Rosen S. D.** see Manning D. D. 1953
- Rosenberg I.** see Endová M. 3497
- Rosenberg M. G. Kam S. M. and Brinker U. H.** Carbenes in constrained systems—IV. Encapsulation of an asymmetric diazirine: reactivity of 2-methylcyclohexanylidene 3235
- Rosenberg M. G.** see Kupfer R. 6647
- Rosenberg R. E. and Vilardo J. S.** The importance of entropy in stereoselection. Reduction of *tert*-butylcyclohexanone by lithium aluminum hydride 2185
- Ross A. A.** see Shawe T. T. 3823
- Rosser K. Reamer R. A. Volante R. P. and Reider P. J.** Mechanistic studies on the diastereoselective halohydroxylation of  $\gamma$ - $\delta$  unsaturated carboxamides 6843
- Rossi E.** see Arcadi A. 3387
- Rossi E.** see Arcadi A. 6811
- Rossi P.** see Mutti S. 3125
- Rossi R. H.** see Aimar M. L. 2137
- Rossi T.** see Ghiron C. 3891
- Rossi T.** see Kennedy G. 7441
- Rossignol S.** see Dujardin G. 4007
- Rosso C.** see Carofiglio T. 8019
- Rotello V. M.** see Deans R. 4435
- Roth H. D.** see Weng H. 4895
- Roth H. D.** see Zhou D. 2385
- Roth M. Damm W. and Giese B.** The Curtin–Hammett principle: stereoselective radical additions to alkenes 351
- Rothenfluh D. F.** see Ranasinghe M. G. 4797
- Rottmann A. and Liebscher J.** Synthesis of enantioselectively pure  $\omega$ -amino acids by asymmetric  $\alpha$ -alkylation of chiral  $\omega$ -aminoalkyloxazolines 359
- Roubaud C.** see Vanelle P. 3323
- Roulet J.-M.** see Montalbetti C. 2225
- Roush W. R. Champoux J. A. and Peterson B. C.** Diastereoselective synthesis of the *cis*-octahydronaphthalene nucleus of superstolides A and B 8989
- Roush W. R. and Works A. B.** Diastereoselective synthesis of the *trans-anti-cis*-decahydro-as-indacene ring system via the transannular Diels–Alder reaction of a functionalized (*E,E,E*)-cyclododeca-1,6,8-triene 8065
- Roussakis C.** see Fretté X. C. 2959
- Rousseau G.** see Brunel Y. 3853
- Rousselet G. Chassagnard C. Capdevielle P. and Maumy M.** Copper-catalyzed olefin epoxidation by dioxygen or amine *N*-oxide 8497
- Roversi P.** see Marchionni C. 4149
- Rowan S. J. Brady P. A. and Sanders J. K. M.** Synthesis and kinetic cyclisation of quinine-derived oligomers 6013
- Rowland S.** see Belt S. T. 4755
- Roy R.** see Cao S. 3421
- Roy R.** see Meunier S. J. 5469
- Roy R.** see Paul S. 4055
- Roy S.** see Chowdhury S. 2623
- Roy S.** see Elofsson M. 7645
- Royer J.** see Baussanne I. 1213
- Rozen S. Bareket Y. and Dayan S.** Direct epoxidation of unprotected olefinic carboxylic acids using  $\text{HOF}-\text{CH}_3\text{CN}$  531
- Ruan Z. Wilson P. and Mootoo D. R.** Bis-pyranoside alkenes: novel templates for the synthesis of adjacently linked tetrahydrofurans 3619
- Ruano M.** see Castaño A. M. 6591
- Rubiales G.** see Palacios F. 6379
- Rubin M.** see Al Dulayymi J. R. 8933
- Rubino R. S.** see Hungate R. W. 4113
- Rudi A.** see Fridkovsky E. 6909
- Rudkevich D. M.** see Shivanyuk A. N. 9341
- Ruecroft G.** see Palmer C. F. 4601
- Rüedi P.** see Merckling F. A. 2217
- Rueffler M.** see Nasreen A. 8161
- Ruel R.** see Balaux E. 801
- Ruggieri G.** see Fiandanese V. 8455
- Ruhland T. and Künzer H.** Structurally diverse 2,6-disubstituted quinoline derivatives by solid-phase synthesis 2757
- Ruhman I.** see Haddad N. 3521
- Ruiz J. Astruc D. and Gilbert L.**  $\text{CoCl}_2$  catalyzed trifluoroacetylation versus dimerization of methoxyaromatics using trifluoroacetic anhydride 4511
- Ruiz M. Ojea V. and Quintela J. M<sup>a</sup>** Amino acid based diastereoselective synthesis of elasmoinose 5743
- Ruiz M.** see Ojea V. 5801
- Ruppert R.** see Hosseini M. W. 1405
- Russell A. T.** see Baldwin J. E. 3761
- Russell A. T.** see Farthing C. N. 5225
- Russell G. A. and Li C.** 8-*endo* Versus 5-*exo* cyclization of unsaturated acrylate esters upon reaction with *t*-BuHgI/KI 2557
- Russell M. G.** see Cavalla D. 7465
- Russell R. A.** see Warrener R. N. 3773
- Ruth J. A.** see Claffey D. J. 7929
- Rutherford T. J.** see Hartzoulakis B. 6911
- Rutjes F. P. J. T.** see Bernabé P. 3561
- Ruzza P. Calderan A. and Borin G.** Removal of benzhydryl-glycolamide (OBg) group with tetrabutylammonium fluoride 5191
- Ryan D. E.** Stereoselective synthesis of concave spacers for long-range electron transfer models 6089
- Ryan K. M.** see Senanayake C. H. 3271
- Ryan M. D.** see Hartzoulakis B. 6911
- Rychlewskia U.** see Bordoloi M. 6791
- Rychnovsky S. D. and Dahanukar V. H.** Oxepanes from an unusual acetal cleavage of 6,8-dioxabicyclo[3.2.1]octanes 339
- Rychnovsky S. D.** see Hu Y. 8679
- Rychnovsky S. D.** see Powell N. A. 7901
- Rydberg D. B. and Meinwald J.** Synthesis of ( $\pm$ )-palasonin 1129
- Rykowski A. and Wolińska E.** Ring opening and ring closure reactions of 1,2,4-triazines with carbon nucleophiles: a novel route to functionalized 3-aminopyridazines 5795
- Ryoo I.-J.** see Yun B.-S. 8529
- Ryu E. J.** see Kim B. H. 139
- Ryu E. K.** see Kim K. M. 1441
- Ryu I.** see Tsunoi S. 6729
- Saak W.** see Kroke E. 3675
- Saber A.** see Sebti S. 3999
- Saber A.** see Sebti S. 6555

- Sablong R. Newton C.**  
Dierkes P. and Osborn J. A.  
Chiral tridentate  $C_2$   
diphosphine ligands for  
enantioselective catalysis  
4933
- Sablong R. and Osborn J. A.**  
The asymmetric hydrogenation of imines using tridentate  $C_2$  diphosphine complexes of iridium(I) and rhodium(I) 4937
- Sabol J. S.** see Waid P. P.  
4091
- Sada T.** see Choshi T. 2593
- Sadler I. H.** see Gardiner J. M.  
8447
- Sadowski P. D.** see Zhao B. P.  
3093
- Sageot O. Monteux D.**  
Langlois Y. Riche C. and  
Chiaroni A.  
Preparation and use of chiral  
(*Z*)-enol ethers in asymmetric  
Bradsher cycloaddition 7019
- Saha-Möller C. R.** see Adam W.  
6531
- Sahagún H.** see Caballero E.  
6951
- Saicic R. N.** see Quiclet-Sire B.  
9057
- Said B. Abdelaziz S. and**  
Albert R.  
One-pot synthesis of  $\alpha$ -chloro  
hydroxamic acids using *gem*-  
dicyano epoxides 179
- Saida Y.** see Gröger H. 9291
- Saigo K.** see Liu C. 6177
- Saiki T. Goto K. Tokitoh N.**  
Goto M. and Okazaki R.  
Structures of bridged  
calix[6]arenes bearing a  
bromide functionality in the  
cavity 4039
- Saima Y.** see Ghosh S. 3169
- Saini A.** see Gupta S. C. 8913
- Saito H.** see Miura K. 8539
- Saito H.** see Miura K. 9059
- Saito I.** see Sugiyama H. 1805
- Saito I.** see Sugiyama H. 9067
- Saito S. Sakai M. and**  
Miyaura N.  
A synthesis of biaryls via  
nickel(0)-catalyzed cross-  
coupling reaction of  
chloroarenes with  
phenylboronic acids 2993
- Saito T. Tsuda K. and Saito Y.**  
A facile and efficient  
carbodiimide-mediated  
synthesis of dihydroquinazolines via a tandem  
nucleophilic addition-intra-  
molecular hetero conjugate  
addition annulation strategy  
209
- Saito T. and Tsuda K.**  
A novel and facile  
carbodiimide-mediated  
synthesis of 2,3-dihydro-6H-  
pyrimido[2,1-*b*]quinazolin-  
4(1*H*)-ones via a tandem  
intramolecular nucleophilic  
addition/intramolecular hetero  
conjugate addition annulation  
strategy 9071
- Saito Y.** see Saito T. 209
- Saitoh M. Fujisaki S. Ishii Y.**  
and Nishiguchi T.  
Convenient selective  
monoesterification of  $\alpha$ , $\omega$ -  
dicarboxylic acids catalyzed  
by ion-exchange resins 6733
- Saitoh M.** see Matsunaga K.  
1455
- Saka Y.** see Miyaoka H. 7107
- Sakagami Y.** see Fujii K. 389
- Sakaguchi K.** see Gao W. 7071
- Sakaguchi K.** see Kawasaki T.  
7525
- Sakaguchi K.** see Shimano K.  
2253
- Sakaguchi S.** see Ishii Y. 4993
- Sakaguchi S.** see Shiraishi H.  
7291
- Sakai K.** see Takahashi Y.  
5547
- Sakai K.** see Uyehara T. 7295
- Sakai M.** see Saito S. 2993
- Sakaihara T.** see Kadota I.  
3195
- Sakakibara S.** see Nishiuchi Y.  
7529
- Sakamaki T.** see Ishikawa T.  
4393
- Sakami S.** see Houkawa T.  
1045
- Sakamoto H.** see Kawagishi H.  
7399
- Sakamoto M.** see Kawasaki T.  
7525
- Sakemi S.** see Kawagishi H.  
7399
- Sakoguchi A.** see Ueoka R.  
3461
- Saksena A. K.**  
Girijavallabhan V. M.  
Wang H. Liu Y.-T.
- Pike R. E. and Ganguly A. K.**  
Corrigendum 6821
- Saksena A. K.**  
Girijavallabhan V. M.  
Wang H. Liu Y.-T.
- Pike R. E. and Ganguly A. K.**  
Concise asymmetric routes to  
2,2,4-trisubstituted  
tetrahydrofurans via chiral  
titanium imide enolates: key  
intermediates towards  
synthesis of highly active  
azole antifungals Sch 51048  
and Sch 56592 5657
- Saksena A. K.** see Jao E. 5661
- Sakuda S. Zhou Z.-Y.**  
Takao H. and Yamada Y.  
Mechanism of the  
cyclopentane ring formation of  
allosamizoline, an aminocyc-  
itol derivative of the chitinase  
inhibitor allosamidin 5711
- Sakurai M. Wirsching P. and**  
Janda K. D.  
Design and synthesis of a  
cocaine-diamide hapten for  
vaccine development 5479
- Sakurai O. and Horikawa H.**  
A new synthetic method of 1 $\beta$ -  
methylcarbapenems utilizing  
the ketene dithioacetal-  
terminated cyclization 7811
- Sakurai T.** see Kubo K. 5917
- Saladino R. Bernini R.**  
Minclone E. Tagliatesta P.  
and Boschi T.  
Dimethyldioxirane-  
Mn(Cl)<sub>16</sub>TDMPPCl porphyrin  
as efficient and chemo-  
selective epoxidizing reagent  
of uracil derivatives 2647
- Salakhutdinov N. F.** see  
Volcho K. P. 6181
- Salaün J.** see Estieu K. 623
- Salazar I. C.** see West C. A.  
9135
- Salazar J. A.** see Dorta R. L.  
6021
- Salek A.** see Ranasinghe M. G.  
4797
- Salemi-Delvaux C. Lucioni-**  
Houzé B. Baillet G.  
Giusti G. and Guglielmetti R.  
Photooxygenation of  $\alpha$ , $\alpha'$ -  
dimethylstilbenes sensitised  
by photochromic compounds  
5127
- Saljoughian M. Morimoto H.**  
Than C. and Williams P. G.  
Tritium labelled alkenes via  
the Shapiro reaction 2923
- Sallas F. Kovács J. Pintér I.**  
Jicsinszky L. and  
Marsura A.  
One step synthesis of new  
urea-linked  $\beta$ -cyclodextrin  
dimers 4011
- Sallé L.** see Cossy J. 6709
- Sallé M.** see Leriche P. 8861
- Salmain M.** see Blanalt S. 6561
- Salmon L.** see Bonnette C.  
1221
- Salmon L.** see Gaudemer A.  
2237
- Salmón M.** see Méndez J. M.  
4099
- Salom B.** see Gude M. 8589
- Salomon C. E. and**  
Faulkner D. J.  
Sagitol, a pyridoacridine  
alkaloid from the sponge  
*Oceanapia sagittaria* 9147
- Salvador J. A. R.**  
Sá e Melo M. L. and  
Campos Neves A. S.  
Oxidations with potassium  
permanganate–metal  
sulphates and nitrates.  $\beta$ -  
Selective epoxidation of  $\Delta^5$ -  
unsaturated steroids 687
- Salvador L. A.** see Elofsson M.  
7645
- Salvadori P.** see Minutolo F.  
3375
- Samajdar S.** see Ghosh S.  
2073
- Samal S. K.** see Gupta A. K.  
2817
- Sambri L.** see Bartoli G. 2293
- Sambri L.** see Bartoli G. 7421

- Sammakia T.** Hurley T. B.  
**Sammond D. M.** Smith R. S.  
**Sobolov S. B.** and  
**Oeschger T. R.**  
 Dihydroxylation and oxidative cleavage of olefins in the presence of sulfur 4427
- Sammakia T.** see  
 Sammond D. M. 6065
- Sammond D. M.** and  
**Sammakia T.**  
 A mild synthesis of substituted furans from  $\gamma$ -hydroxy- $\alpha,\beta$ -unsaturated ketones 6065
- Sammond D. M.** see  
 Sammakia T. 4427
- Samoshin V. V.** Chertkov V. A.  
 Vatina L. P.  
 Dobretsova E. K.  
 Simonov N. A.  
 Kastorskij L. P.  
 Gremyachinsky D. E. and  
 Schneider H.-J.  
*trans*-1,2-Cyclohexanedi-carboxylic acid derivatives as pH-trigger for conformationally controlled crowns 3981
- Sampe R.** see Sodeoka M. 8775
- Samuel C. J.** see Baxter S. J. 4617
- Sanchez A. M.** see West C. A. 9135
- Sánchez L.** see de Lucas A. I. 9391
- Sánchez L.** see Martín N. 5979
- Sanchez M.** see Rivière F. 6717
- Sánchez-Baeza F.** see  
 Ferrer M. 3585
- Sánchez Peña M.** Zhang Y.  
 Thibodeaux S.  
 McLaughlin M. L.  
 Muñoz de Peña A. and  
 Warner I. M.  
 Synthesis of a water-soluble chiral *N*-acylcalix(4)arene amino acid derivative 5841
- Sanchez-Vindas P.** see  
 Chauret D. C. 7875
- Sanders J. K. M.** see  
 Rowan S. J. 6013
- Sanderson P. E. J.** see  
 Cutrona K. J. 5045
- Sandhu J. S.** see Baruah B. 9087
- Sandhu J. S.** see Baruah M. 4559
- Sandhu J. S.** see Bhuyan P. J. 1853
- Sandhu J. S.** see Boruah A. 4203
- Sandoe E. J.**  
 Stephenson G. R. and  
 Swanson S.  
 Switching regiocontrol in 1-aryl-substituted cyclohexadienyliron complexes in a formal total synthesis of lycoramine 6283
- Sankuratri N.** and Janzen E. G.  
 Synthesis and spin trapping chemistry of a novel bicyclic nitrone: 1,3,3-trimethyl-6-azabicyclo[3.2.1]oct-6-ene-*N*-oxide (Trazon) 5313
- Sano H.** Mashio H.  
**Nakayama T.** and Kosugi M.  
 The generation of  $\alpha$ -trimethylsiloxy- $\alpha$ -quinodimethanes induced by one-electron reduction to  $\alpha$ -acylbenzyltributylstannanes 8891
- Sano S.** see Nagao Y. 861
- Sano T.** and Kaya K.  
 Oscillatorin, a chymotrypsin inhibitor from toxic *Oscillatoria agardhii* 6873
- Sano T.** see Kaya K. 6725
- Sansano J. M.** see Casaschi A. 4413
- Sansom P. I.** see Gale P. A. 7881
- Santelli M.** see Pellissier H. 5107
- Santorelli G. M.** see  
 Waddell S. T. 1971
- Sanz G.** see Carrero M. C. 4081
- San Feliciano A.** see  
 Medarde M. 2663
- San Roman L.** see  
 Chauret D. C. 7875
- Saraçoglu N.** see Balci M. 921
- Sardina F. J.** see Paleo M. R. 3403
- Sardina F. J.** see Paz M. M. 9259
- Sardone N.** see Gandolfi R. 917
- Sargent B. J.** see  
 Ramsden C. A. 1901
- Sargent M. V.** see Giles R. G. F. 7851
- Sarkar S.** and Ghosh S.  
 A short synthesis of ( $\pm$ )-methyleneolactocin 4809
- Sarkar T. K.** Ghorai B. K.  
**Das S. K.** Gangopadhyay P. and Subba Rao P. S. V.  
 Corrigendum 8627
- Sarkar T. K.** Ghorai B. K.  
**Das S. K.** Gangopadhyay P. and Rao P. S. V.  
 Silicon as a controlling element for regioselective ene reaction of diethyl azodicarboxylate with (homo)allylic silanes. Applications to the synthesis of cyclic 1,2-dinitrogen compounds 6607
- Sarkar T. K.** and Nandy S. K.  
 Diiodosamarium, a unique catalyst precursor for ene reactions of unsaturated carbonyl compounds 5195
- Sarker S.** see Robins M. J. 3921
- Sarobe M.** Jenneskens L. W. and Wiersum U. E.  
 Thermolysis of benzo[*c*]phenanthrene: conversion of an alternant  $C_{18}H_{12}$  PAH into non-alternant  $C_{18}H_{10}$  PAHs 1121
- Sarshar S.** Siev D. and  
**Mjalli A. M. M.**  
 Imidazole libraries on solid support 835
- Sarshar S.** see Mjalli A. M. M. 2943
- Sarson L. D.** see Hunter C. A. 699
- Sasabe H.** see Zhang Y. 5909
- Sasai H.** Emori E. Arai T. and  
 Shibasaki M.  
 Catalytic asymmetric Michael reactions promoted by the La-Na-BINOL complex (LSB). Enantioface selection on Michael donors 5561
- Sasai H.** see Gröger H. 9291
- Sasai H.** see Iseki K. 9081
- Sasai H.** see Kim W.-S. 7797
- Sasaki H.** see Tanaka Y. 881
- Sasaki K.** see Kubo K. 5917
- Sasaki M.** see Matsumori N. 1269
- Sasaki R.** see Oriyama T. 8543
- Sasaki S.** Takagi M.  
**Tanaka Y.** and Maeda M.  
 A new application of a peptide library to identify selective interaction between small peptides in an attempt to develop recognition molecules toward protein surfaces 85
- Sasaki S.** see Iyoda M. 7987
- Sasatani T.** see Adachi M. 8871
- Sashida Y.** see Mimaki Y. 1245
- Sasidharan M.** see  
 Barhate N. B. 2067
- Sasson Y.** see Feldberg L. 2063
- Satake A.** see Shimizu I. 7115
- Satake M.** Terasawa K.  
 Kadowaki Y. and  
 Yasumoto T.  
 Relative configuration of yessotoxin and isolation of two new analogs from toxic scallops 5955
- Satake M.** see Matsumori N. 1269
- Satake M.** see Takahashi H. 7087
- Sathe V. T.** see Kalkote U. R. 6785
- Sathyaranayana S.** see  
 Amat M. 3071
- Sato D.** see Yamashita T. 8195
- Sato F.** see Gao Y. 7787
- Sato F.** see Kasatkin A. 1849
- Sato F.** see Kasatkin A. 6960
- Sato F.** see Okamoto S. 8865
- Sato F.** see Urabe H. 1253
- Sato F.** see Yamashita K. 7275
- Sato H.** see Okamoto S. 8865
- Sato I.** Akahori Y. Iida K. and  
 Hirama M.  
 Efficient synthesis of a carbocyclic core moiety with the stereochemistry of the C-1027 chromophore 5135

- Sato K., Yamamoto Y. and Hori H.** Convenient synthesis of both epimeric  $\alpha$ -hydroxyaldehydes from  $\alpha$ -hydroxydichloromethyl derivative 2799
- Sato K.** see Ishikawa T. 4393
- Sato K.** see Nakamura H. 7267
- Sato K.** see Suzuki K. 5921
- Sato K.** see Yano M. 9207
- Sato M., Aoyagi S., Yago S. and Kibayashi C.** Lewis acid-promoted asymmetric conjugate allylation of *N*-acyl-2,3-dihydro-4-pyridones induced by intramolecular  $\pi$  interactions 9063
- Sato M., Uehara F., Aizawa K., Kaneko C., Satoh S. and Furuya T.** Chiral 6,7-dihydrooxepin-2(5*H*)-ones and the azepinone analogues: conformation and diastereofacial selectivity in addition to the enones 633
- Sato N.** Synthesis and properties of new luminescent 10-carboxymethylacridinium derivatives 8519
- Sato S., Nakada M. and Shibasaki M.** The first chemical synthesis of wortmannin by starting from hydrocortisone 6141
- Sato T.** see Ueyehara T. 7295
- Sato Y., Takimoto M. and Mori M.** Remarkable regio-controlled effect of 1,3-diene as a ligand on nickel-promoted cyclization 887
- Satoh N.** see Tanaka T. 7809
- Satoh S.** see Sato M. 633
- Satyayanayana J., Basaveswara Rao M. V., Ila H. and Junjappa H.** Synthesis and Lewis acid assisted rearrangement of novel donor- acceptor substituted cyclopropanes: highly stereoselective [4 + 1] annulation approach to substituted and spiro cyclopentene derivatives 3565
- Sauer J.** see Riebel P. 1583
- Sauer J.** see Riebel P. 1587
- Sauers R. R.** An *ab initio* study of some heterocyclic 6*r*-carbenes 149
- Sauers R. R.**  $\pi4s + \pi2s$  Cycloadditions: allyl anions plus ethylene 7679
- Sauzier J.-B.** see Quiclet-Sire B. 1397
- Sauriol F.** see Zamir L. O. 6435
- Sauvage J.-P.** see Chodorowski-Kimmes S. 2963
- Savage S.** see Palmer C. F. 4601
- Savelon L.** see Viaud M.-C. 2409
- Savic V.** see Grigg R. 6565
- Savignac M.** see Lemaire-Audoire S. 2003
- Savignac M.** see Montalbetti C. 2225
- Savignac P.** see Diziére R. 1783
- Savignac P.** see Gautier I. 7721
- Savin K. A.** see Keck G. E. 3291
- Sawada T., Shirai R. and Iwasaki S.** Facile asymmetric synthesis of the D-*myo*-inositol derivative from diethyl 2,3-O-isopropylidene-D-tartrate 885
- Sawada T.** see Mataka S. 65
- Sawick D. P.** see Ku Y.-Y. 1949
- Sawyer J. S.** see Smith, III W. J. 299
- Saya S.** see Kadota I. 2109
- Sá e Melo M. L.** see Salvador J. A. R. 687
- Scaiano J. C.** see Connolly T. J. 4919
- Scaiano J. C.** see Pérez-Prieto J. 4923
- Scettri A.** see Bonadies F. 1899
- Scettri A.** see Bonadies F. 7129
- Scettri A.** see Palombi L. 7849
- Scettri A.** see Soriente A. 8007
- Schaeffer P.** see Hosseini M. W. 1405
- Schardt S. and Hafner K.** Synthesis of 1,3,5,7-tetra-*tert*-butyl-4,8-diphospho-s-indacene 3829
- Scharf H.-D.** see Wöhrl I. 7001
- Schaus S. E. and Jacobsen E. N.** Dynamic kinetic resolution of epichlorohydrin via enantioselective catalytic ring opening with  $\text{Ti}(\text{OBn})_4$ : Practical synthesis of aryl oxazolidinone antibacterial agents 7937
- Scheffer J. R.** see Borecka B. 2121
- Scheffer J. R.** see Fu T. Y. 2125
- Scheffer J. R.** see Gamlin J. N. 6037
- Schelcher C. G.** see Piettre S. R. 4711
- Scherer A.** see Bertram G. 7955
- Scheuer P. J.** see Nakao Y. 8993
- Scheuer P. J.** see Riccio R. 1979
- Schiavon O.** see Bonora G. M. 4761
- Schierle K., Hopke J., Niedt M.-L., Boland W. and Steckhan E.** Homologues of dihydro-12-oxo-phytodienoic acid and jasmonic acid by mixed Kolbe electrolysis 8715
- Schinazi R. F.** see Xiang Y. 3779
- Schlama T., Gouverneur V. and Mioskowski C.** A new and efficient preparation of carbodiimides from ureas using dimethylphosphorus pentoxide as a dehydrating agent 7047
- Schlessinger R. H. and Bergstrom C. P.** Diastereoselective Diels-Alder reactions of nonracemic 3- and 4-amino furans bound to polystyrene. A comparison of these reactions to their solution state analogues 2133
- Schlessinger R. H. and Gillman K. W.** An enantioselective solution towards synthesizing "skip" 1,3 dimethyl stereocenters. A synthesis of 4*S*(2*E*,4*R*',6*R*')-4,6-dimethyl-2-octenoic acid 1331
- Schleyer M.** see Fridkovsky E. 6909
- Schlosser M.** see Desponds O. 47
- Schlosser M.** see El-Khoury M. 9047
- Schlosser M.** see Mongin F. 2767
- Schlosser M.** see Mongin F. 6551
- Schlosser M.** see Wei H. 2771
- Schmalz H.-G., Siegel S. and Schwarz A.** Radical cyclization of  $\eta^6$ -arene-Cr(CO)<sub>3</sub> complexes: a regio- and stereoselective entry to functionalized pseudopterosin precursors 2947
- Schmalz H.-G.** see Semmelhack M. F. 3089
- Schmatz D. M.** see Singh S. B. 8077
- Schmid R.** see Cereghetti M. 5343
- Schmid U. and Waldmann H.** Activation of glycosyl phosphates by *in situ* conversion to glycosyl iodides under neutral conditions in concentrated solutions of lithium perchlorate in organic solvents 3837
- Schmidt E. W. and Faulkner D. J.** Palauolol, a new anti-inflammatory sesterterpene from the sponge *Fascaplysinopsis* sp. from Palau 3951
- Schmidt E. W. and Faulkner D. J.** Absolute configuration of

- methyl (*2Z,6R,8R,9E*)-3,6-epoxy-4,6,8-triethyl-2,4,9-dodecatrienoate from the sponge *Plakortis halichondrioides* 6681
- Schmidt R. R.** see Eisele T. 1389
- Schmidt R. R.** see Espinosa J.-F. 1467
- Schmidt R. R.** see Rademann J. 3989
- Schmitt G.** see Knerr L. 5123
- Schmitt H. W.** see Diederichsen U. 475
- Schmitt M.** see Moutou J.-L. 1787
- Schmittberger T. and Uguen D.** A convenient synthesis of the side-chain of sterols 29
- Schmittberger T.** see Houille O. 625
- Schmittel M. Kiau S. Siebert T. and Strittmatter M.** Steric effects in enyne–allene thermolyses: switch from the Myers–Saito reaction to the C<sub>2</sub>–C<sub>6</sub>-cyclization and DNA strand cleavage 7691
- Schmittel M. Strittmatter M. Vollmann K. and Kiau S.** Intramolecular formal Diels–Alder reaction in enyne allenes. A new synthetic route to benzofluorenes and indeno[1,2-g]quinolines 999
- Schmitz W. D. and Romo D.** A new route to 2-substituted Δ<sup>2</sup>-thiazolines: Stille cross-couplings of 2-bromo-Δ<sup>2</sup>-thiazolines 4857
- Schmuck C.** see Breslow R. 8241
- Schnapp K. A. Motz P. L. Stoeckel S. M. Wilson R. M. Krause Bauer J. A. and Bohne C.** Sequential multiple-photon photochemistry of sterically congested enones 2317
- Schneider F.** see Lucet-Levannier K. 2007
- Schneider H.-J. see Samoshin V. V.** 3981
- Schneider M.-R. Mann A. and Taddel M.** Ring opening of phenylaziridines with allylsilanes 8493
- Schneider R. Hosseini M. W. and Planeix J.-M.** An approach to electronic communication through transannular hydrogen bond: synthesis of cyclic diamines bearing donor and acceptor groups 4721
- Schofield C. J. see Baldwin J. E.** 3761
- Schofield C. J. see Farthing C. N.** 5225
- Schönholzer P.** see Cereghetti M. 5343
- Schouten A.** see Siedregt K. M. 4237
- Schreier J. A.** see Xiao D. 1523
- Schröer J.** see Buhr S. 1195
- Schuchardt U. Mandelli D. and Shul'pin G. B.** Methyltrioxorhenium catalyzed oxidation of saturated and aromatic hydrocarbons by H<sub>2</sub>O<sub>2</sub> in air 6487
- Schueler C. M. Manning D. D. and Kiessling L. L.** Preparation of (*R*)-(+)7-oxabicyclo[2.2.1]hept-5-ene-exo-2-carboxylic acid, a precursor to substrates for the ring opening metathesis polymerization 8853
- Schultz A. G. and Li Y.-J.** Birch reduction and reduction–alkylations of 3,4-dihydro-3-methyl-8-phenylisocoumarin 6511
- Schultz A. G. and Taveras A. G.** Synthesis and photochemistry of spiro[2.5]octa-1,4-dien-3-ones. Reversible biradical formation and biradical–olefin cycloaddition 5853
- Schultz P. G.** see Kim J.-M. 5305
- Schultz P. G.** see Kim J.-M. 5309
- Schultz P. G.** see Paikoff S. J. 5653
- Schulz K.** see Hofmann J. 2399
- Schulze M. M. and Gockel U.** Selective isomerization of electron deficient vinylcyclopropanes by thermal action of pentacarbonyl iron 357
- Schulze S.** see Waldmann H. 8725
- Schumacher D. P.** see Gala D. 611
- Schunk S.** see Ciufolini M. A. 2881
- Schürer S. C.** see Virgilio A. A. 6961
- Schwabacher A. W. and Stefanescu A. D.** Improved preparation of phosphinate esters for palladium-catalyzed cross-coupling 425
- Schwaebke M. K. and Little R. D.** Organometallic nucleophilic ring-opening of *endo* peroxides 6635
- Schwan A. L. Kalin M. L. Vajda K. E. Xiang T.-J. and Brillon D.** Oxidative fragmentations of selected 1-alkenyl sulfoxides. Chemical and spectroscopic evidence for 1-alkenesulfanyl chlorides 2345
- Schwartz J.** see Spencer R. P. 4357
- Schwartz W. S.** see Kant J. 6495
- Schwarz A.** see Schmalz H.-G. 2947
- Schwing-Weill M.-J.** see Fanni S. 7975
- Schwind L. and Knochel P.** A new practical asymmetric synthesis of C<sub>2</sub>-symmetrical 1,1'-ferrocenyl diols via CBS-reduction 25
- Schwind L.** see Püntener K. 8165
- Scialdone M. A.** Diisocyanates as scaffolds for combinatorial libraries. The solid-phase synthesis of bis-ureas from polymer-supported diisocyanates 8141
- Scicinski J. J.** see Chan C. 8925
- Sclafani J. A. Maranto M. T. Sisk T. M. and Van Arman S. A.** An aqueous ratiometric fluorescence probe for Zn(II) 2193
- Scolastico C.** see Bernardi A. 8921
- Scott A. I.** see Pichon C. 2891
- Scott A. I.** see Wang J. 3247
- Scripigliatti A.** see Ercolani G. 101
- Sebastian J. F.** see Power T. D. 9127
- Sebesta D. P.** see McGee D. P. C. 1995
- Sebtí S. Rhihil A. Saber A. Laghrissi M. and Boulajaaj S.** Synthèse des α-hydroxyphosphonates sur des supports phosphatés en absence de solvant 3999
- Sebtí S. Rhihil A. Saber A. and Hanafi N.** Catalyse hétérogène de l’hydratation des nitriles en amides par le phosphate naturel dopé par KF et le phosphate trisodique 6555
- Sedin Z.** see Riego J. M. 513
- Seeberger P. H.** see Greef C. H. 4451
- Seelbach K. Riebel B. Hummel W. Kula M.-R. Tishkov V. I. Egorov A. M. Wandrey C. and Kragl U.** A novel, efficient regenerating method of NADPH using a new formate dehydrogenase 1377
- Seferin M.** see Monteiro A. L. 1157
- Segawa H.** see Susumu K. 8399
- Segura J. L. Martín N. Seoane C. and Hanack M.** Synthesis and electrochemistry of a soluble double-bridged tetrathiafulvalene

- (TTF)-*p*-benzoquinone from novel unsymmetrical TTFs 2503
- Seifert J. and Unverzagt C.** Synthesis of a core-fucosylated, biantennary octasaccharide as a precursor for glycopeptides of complex *N*-glycans 6527
- Seifert W. E.** see Wang G. 6515
- Sekar G. DattaGupta A. and Singh V. K.** Cu(O Tf)<sub>2</sub>-DBN/DBU complex as an efficient catalyst for allylic oxidation of olefins with *tert*-butyl perbenzoate 8435
- Seki H.** see Seto H. 4179
- Seki K.** see Kadota I. 3059
- Seki M. Yamanaka T. Miyake T. and Ohmizu H.** A facile synthesis of the key intermediate for penems, carbapenems, and related  $\beta$ -lactam antibiotics 5565
- Seki M. and Matsumoto K.** A novel approach to homochiral  $\beta$ -amino acids 3165
- Seki M.** see Miyake T. 3129
- Seki M.** see Yamanaka T. 4967
- Sekiguchi H.** see Kawasaki T. 7525
- Sekine M.** see Kawahara S. 509
- Sekine M.** see Tsuruoka H. 6741
- Sekine T. Kawashima E. and Ishido Y.** Efficient synthesis of D-[5-<sup>13</sup>C]ribose from D-ribose and its conversion into [5'-<sup>13</sup>C]nucleosides 7757
- Sekine T.** see Sugiyama H. 1805
- Sella A. Basch H. and Hoz S.** Strain release is not enough 5573
- Selnick H. G.** see Butcher J. W. 6685
- Sels B. F. De Vos D. E. and Jacobs P. A.** Selective epoxidations involving anionic peroxotungsten compounds generated *in situ* on layered double hydroxides with various polarities 8557
- Semmelhack M. F. and Schmalz H.-G.** Asymmetric induction in the nucleophile addition to  $\eta^6$ -arene-tricarbonyl-chromium(0) complexes 3089
- Semones M. A.** see Padwa A. 335
- Semple J. E.** see Tamura S. Y. 4109
- Sen A. and Krishnan V.** Synthesis, spectral and electrochemical properties of donor/acceptor substituted fluoroarylporphyrins 5421
- Sen A. and Krishnan V.** Novel  $\beta$ -pyrrole substituted porphyrin-quinone system for efficient intramolecular charge transfer 8437
- Senanayake C. H. Smith G. B. Ryan K. M. Fredenburgh L. E. Liu J. Roberts F. E. Hughes D. L. Larsen R. D. Verhoeven T. R. and Reider P. J.** The role of 4-(3-phenylpropyl)-pyridine *N*-oxide (P<sub>3</sub>NO) in the manganese-salen-catalyzed asymmetric epoxidation of indene 3271
- Senanayake C. H.** see Davies I. W. 1725
- Senanayake C. H.** see Davies I. W. 813
- Seneci P. Sizemore C. Islam K. and Kocis P.** Combinatorial chemistry and natural products. Teicoplanin aglycone as a molecular scaffold for solid phase synthesis of combinatorial libraries 6319
- Seng D.** see Metz P. 3841
- Senge M. O.** see Kalisch W. W. 1183
- Sengupta S. Das D. and Sen Sarma D.** RuCl<sub>2</sub>(PPh<sub>3</sub>)<sub>3</sub>: a new catalyst for diazocarbonyl insertions into heteroatom-hydrogen bonds 8815
- Sengupta S.** see Mehta G. 8625
- Senn M.** see Tronche C. 5845
- Sen Sarma D.** see Sengupta S. 8815
- Seo J.** see Montgomery J. 6839
- Seo Y.** see Oh C. H. 8875
- Seoane C.** see de Lucas A. I. 9391
- Seoane C.** see Martín N. 5979
- Seoane C.** see Segura J. L. 2503
- Séraphin D.** see Noé E. 5701
- Séraphin D.** see Noé E. 8823
- Sesenoglu Ö.** see Demir A. S. 407
- Sessler J. L. Dávila R. M. and Král V.** Polypyroles in three dimensions. The synthesis of tripyranne-strapped 2-aminophenylporphyrins 6469
- Sessler J. L.** see Gale P. A. 7881
- Seto H. Watanabe H. and Furihata K.** Simultaneous operation of the mevalonate and non-mevalonate pathways in the biosynthesis of isopentenyl diphosphate in *Streptomyces aeroviifer* 7979
- Seto H. Yoshida K. Yoshida S. Shimizu T. Seki H. and Hoshino M.** Oxidation of ethers to esters by photo-irradiation with benzil and oxygen 4179
- Seto H.** see Furihata K. 8901
- Seto H.** see Hayakawa Y. 6363
- Seto H.** see Yun B.-S. 8529
- Seto N.** see Hamada Y. 7565
- Sewald N.** see Osipov S. N. 615
- Seybold P. G.** see Xiao D. 1523
- Sha C.-K. Yang J.-F. and Chang C.-J.** Transfer of the R<sup>1</sup>C-N(tBoc)-CR<sup>2</sup> unit from 2,4-dihydropyrrolo[3,4-*b*]indoles to dienophiles by Diels-Alder and retro-Diels-Alder reactions 3487
- Sha C.-K. Yang J.-F. and Chang C.-Y.** Corrigendum 6959
- Shachter A. M.** see Flores V. 8633
- Shal'ko A. A.** see Polovinka M. P. 2631
- Shamblin B. M.** see Tamura S. Y. 4109
- Shang L.** see Donaldson W. A. 423
- Shankar B. B. Kirkup M. P. McCombie S. W. Clader J. W. and Ganguly A. K.** Synthesis of an optically pure 3-unsubstituted  $\beta$ -lactam using an asymmetric Reformatsky reaction and its conversion to cholesterol absorption inhibitors 4095
- Shanthan Rao P.** see Chandra Sheker Reddy A. 2845
- Shao Y.** see Löwik D. W. P. M. 8253
- Shapiro M. J. Kumaravel G. Petter R. C. and Beveridge R.** <sup>19</sup>F NMR monitoring of a S<sub>N</sub>Ar reaction on solid support 4671
- Shapiro T. A.** see Posner G. H. 7225
- Shapiro T. A.** see Posner G. H. 815
- Sharadendu A.** see Neeland E. G. 5069
- Sharma A. K.** see Chavan S. P. 5027
- Sharma A. K.** see Chavan S. P. 2857
- Sharma M. L. and Chand T.** Synthesis of ( $\pm$ )-2-methyl-(2'-hydroxy-4'-methylphenyl)-2-hepten-4-one (Turmeronol B) 2279
- Sharma S.** see Gupta S. C. 8913
- Sharma S. K. Wu A. D. and Chandramouli N.** Maleimide-assisted on-resin macrocyclization 5665

- Sharman W. M.**  
**Kudrevich S. V. and**  
**van Lier J. E.**  
 Novel water-soluble phthalocyanines substituted with phosphonate moieties on the benzo rings 5831
- Sharp H. J.** see Griffiths R. C. 3207
- Sharpless K. B.** see Chang H.-T. 3219
- Shaw-Pontor S. Mills G.**  
**Robertson M.**  
**Bostwick R. D. Hardy G. W.** and Young R. J.  
 Acyl carbamate directing groups in nucleoside synthesis: applications in the synthesis of 2'-deoxy-5-ethyl-4'-thiouridine 1867
- Shaw-Pontor S. Rider P.** and Young R. J.  
 New synthesis of both D- and L-3-O-carbamoyl-2-deoxy-4-thioribosides, substrates for  $\beta$ -selective glycosylations 1871
- Shawe T. T. Landino L. M.**  
**Ross A. A.**  
**Prokopowicz A. S.**  
**Robinson P. M. and**  
**Cannon A.**  
 New chemistry of cyclic, s-trans-enaminones: addition of Grignard reagents to enaminones derived from 2-methylcyclohexane-1,3-dione 3823
- Shcherbukhin V. V.** see Polovinka M. P. 2631
- Shea K. J.** see Gwaltney, II S. L. 949
- Sheik M.** see Zhou D. 2385
- Sheldrake P. W.** see Sisko J. 8113
- Shepherd J. A. Poon W. W.**  
**Myles D. C. and Clarke C. F.**  
 The biosynthesis of ubiquinone: synthesis and enzymatic modification of biosynthetic precursors 2395
- Sherburn M. S.** see Mander L. N. 4255
- Shevlin P. B.** see Li Z. 4651
- Shevlin P. B.** see Thamattoor D. M. 8333
- Shi G. and Huang X.**  
 2-(Acetoxyethyl)-1,1-difluoro-3-(trimethylsilyl)-propene: preparation and utility as a novel bifunctional reagent containing a CF<sub>2</sub> group 5401
- Shi H.** see Girard C. 63
- Shi X.-X. Khanapure S. P.** and **Rokach J.**  
 Deblocking of dithioacetals and oxathioacetals using periodic acid under mild nonaqueous conditions 4331
- Shi Y.-J.** see Wells K. M. 6439
- Shi Z. Gouille V.** and **Thummel R. P.**  
 An aza-analogue of TTF: 1,1';3,3'-bistrimethylene-2,2'-diimidazolinylidine 2357
- Shia K.-S.** see Liu H.-J. 8073
- Shiba T.** see Inami K. 2043
- Shibasaki M.** see Dai J.-P. 491
- Shibasaki M.** see Gröger H. 9291
- Shibasaki M.** see Iseki K. 9081
- Shibasaki M.** see Kim W.-S. 7797
- Shibasaki M.** see Sasai H. 5561
- Shibasaki M.** see Sato S. 6141
- Shibasaki M.** see Tokunoh R. 2449
- Shibata I.** see Yasuda M. 5951
- Shibata K.** Shing K., Vassilev V. P., Nishide K., Fujita T., Node M., Kajimoto T. and Wong C.-H.  
 Kinetic and thermodynamic control of L-threonine aldolase catalyzed reaction and its application to the synthesis of mycestericin D 2791
- Shibata K.** see Katsuyama I. 4177
- Shibata T.** Morioka H., Tanji S., Hayase T., Kodaka Y. and Soai K.  
 Enantioselective synthesis of chiral 5-carbamoyl-3-pyridyl alcohols by asymmetric autocatalytic reaction 8783
- Shibata T.** see Mutou T. 7299
- Shibata T.** see Suenaga K. 6771
- Shibazaki T.** see limori T. 2267
- Shibuya M.** Wakayama M., Naoe Y., Kawakami T., Ishigaki K., Nemoto H., Shimizu H. and Nagao Y.  
 Cycloaromatization of enediyne model compounds via a reaction cascade triggered by hydrolysis of the  $\alpha$ -alkynylmalonates 865
- Shibuya M.** see Wakayama M. 5397
- Shiga Y.** see Uenishi J. 6759
- Shigematsu K.** see Fukushi Y. 4737
- Shigemoto T.** see Miyaoka H. 7407
- Shigeta Y.** see Nishide K. 2271
- Shikano M.** see Chou T. 3871
- Shilcock J. P. Wheatley J. R.**  
**Davis B. Nash R. J.**  
**Griffiths R. C. Jones M. G.**  
**Müller M. Crook S.**  
**Watkin D. J. Smith C.**  
**Besra G. S. Brennan P. J.** and **Fleet G. W. J.**  
 Inhibition of naringinase (L-rhamnosidase) by piperidine analogues of L-rhamnose: scaffolds for libraries incorporating trihydroxy-piperolic acids 8569
- Shima H. Kobayashi R.**  
**Nabeshima T.** and **Furukawa N.**  
 Activation and facile dealkyl-ation of monooxides of 2,2'-bis(alkylthio)-biphenyl with triflic anhydride via dithiadications: a new method for preparation of thiasulfonium salts 667
- Shimada A.** see Kawagishi H. 7399
- Shimano K.** Ge Y., Sakaguchi K. and Isono S.  
 Synthesis of both enantiomers of halitunal 2253
- Shimano M.** Nagaoka H. and Yamada Y.  
 Stereoselective total synthesis of ( $\pm$ )-antheridic acid 7553
- Shimanouchi T.** see Kotsuki H. 1845
- Shimasaki C.** see Morita H. 3739
- Shimidzu T.** see Fukui K. 4983
- Shimidzu T.** see Susumu K. 8399
- Shimizu H.** see Araki S. 8417
- Shimizu H.** see Nagao Y. 861
- Shimizu H.** see Shibuya M. 865
- Shimizu I.** Matsumoto Y., Shoji K., Ono T., Satake A. and Yamamoto A.  
 Enantioselective elimination reaction of a 6,6-membered bicyclic allylic carbonate. Importance of chirality reversal depending on the palladium-chiral phosphine ratio 7115
- Shimizu I.** see Nagasawa K. 6881
- Shimizu I.** see Nagasawa K. 6885
- Shimizu M.** Takebe Y., Kuroboshi M. and Hiyama T.  
 Diastereoselective generation of lithium carbenoid reagent RCH(OMEM)CFBrLi and its reaction with electrophiles 7387
- Shimizu M.** see Fujisawa T. 3881
- Shimizu M.** see Hayakawa R. 7533
- Shimizu M.** see Iwasaki Y. 6753
- Shimizu R.** Yoneda E. and Fuchikami T.  
 Copper catalyzed Grignard cross-coupling reaction with  $\beta$ -perfluoroalkyl-substituted alkyl halides 5557
- Shimizu R.** and Fuchikami T.  
 Palladium catalyzed coupling reactions of  $\beta$ -perfluoroalkyl-substituted alkyl halides with organostannanes 8405
- Shimizu T.** Hirunuma S. and Nakata T.  
 Efficient method for inversion of secondary alcohols by reaction of chloromethane-sulfonates with cesium acetate 6145
- Shimizu T.** Kobayashi R., Osako K. and Osada H. 6145

- Nakata T.**  
Synthetic studies on reveromycin A: stereoselective synthesis of the spiroketal system 6755
- Shimizu T.** see Seto H. 4179
- Shimomoto N.** see Kotsuki H. 3727
- Shin K.** see Heo P.-Y. 1521
- Shin K.** see Heo P.-Y. 197
- Shin S. C.** see Cho S.-D. 7059
- Shin S. R.** see Park K. H. 8869
- Shinada T.** Miyachi M.  
Itagaki Y., Naoki H.  
Yoshihara K. and  
Nakajima T.  
Facile synthesis of 6-hydroxyindole-3-acetic acid: on the structure of the aromatic subunit of nephilatoxin-1-6 7099
- Shindo M.** see Sugasawa K. 7377
- Shindo M.** see Yasuda K. 6343
- Shine H. J.** see Zhao W. 1749
- Shing T. K. M.** Chow H.-F. and Chung I. H. F.  
Sugarometallic chemistry: aglycone-chromium complex as chiral auxiliary in asymmetric Diels-Alder reaction 3713
- Shingu K.** see Shibata K. 2791
- Shinkai S.** see Araki K. 73
- Shinkai S.** see Hamachi I. 9233
- Shinkai S.** see Ikeda A. 1621
- Shinkai S.** see Ikeda A. 7091
- Shinkai S.** see Lhoták P. 645
- Shinkai S.** see Matsumoto H. 77
- Shinoda S.** and Osuka A.  
Transesterification of the  $\alpha$ -keto ester in methyl pheophorbide-a 4945
- Shinohara H.** see Tso T. S. C. 9249
- Shinohara N.** see Yoshifuji M. 7815
- Shinokubo H.** see Inoue R. 5377
- Shinokubo H.** see Takaku K. 6781
- Shioiri T.** see Deng J. 2261
- Shioiri T.** see Takaoka K. 4973
- Shioiri T.** see Takaoka K. 4977
- Shioji K.** see Yasui S. 1625
- Shiojima K.** see Arai Y. 4381
- Shiomori D.** see Yano M. 9207
- Shiomori K.** Uchida R.  
Inokoshi J., Tanaka H.  
Iwai Y. and Omura S.  
Andrastins A-C, new protein farnesyltransferase inhibitors, produced by *Penicillium* sp. FO-3929 1265
- Shiozaki M.** Deguchi N.  
Mochizuki T. and  
Nishijima M.  
Sterecontrolled synthesis of all stereoisomers of the proposed flavolipin 3875
- Shiozaki M.** Mochizuki T.  
Wakabayashi T.
- Kurakata S.** Tatsuta T. and  
Nishijima M.  
Synthesis of 2,6-anhydro-3-deoxy-5-O-phosphono-3-tetradeccanamido-4-O-[(*R*)-3-(tetradeccanoyloxy)tetradecano yl]-D-glycero-D-ido-heptonic acid as a new potent endotoxin antagonist and its dimeric analogue 7271
- Shiozaki M.** Mochizuki T.  
Wakabayashi T.
- Kurakata S.** Tatsuta T. and  
Nishijima M.  
Corrigendum 8627
- Shirahama H.** see Hashimoto K. 2275
- Shirahama H.** see Ujihara K. 2039
- Shirai M.** see Gao Y. 7787
- Shirai R.** see Onoda T. 4397
- Shirai R.** see Sawada T. 885
- Shiraishi H.** Kawasaki Y.  
Sakaguchi S., Nishiyama Y. and Ishii Y.  
Aldol type condensation of imines catalyzed by samarium complexes 7291
- Shirakata N.** see Tsunoda T. 2463
- Shirakawa Y.** see Ohno M. 9211
- Shiraki M.** see Nemoto H. 6355
- Shiro M.** see Nagao Y. 861
- Shirodai Y.** see Abe M. 5901
- Shirokawa T.** see Okuma K. 8883
- Shiromoto M.** see Itoh T. 5001
- Shishido K.** see Irie O. 9229
- Shishkin O.** see Hughes A. D. 7607
- Shishkin O. V.** see Mascal M. 131
- Shivanyuk A. N.**  
Rudkevich D. M. and  
Reinhoudt D. N.  
Assembly of bifunctional receptors via the melamine-barbiturate structural motif 9341
- Shiyama T.** see Suda Y. 1053
- Shohda K.** see Tsuruoka H. 6741
- Shoji K.** see Shimizu I. 7115
- Shokova E. A.** Khomich A. N. and Kovalev V. V.  
Selective adamantylation of *p*-H-calix[4]arene in trifluoroacetic acid 543
- Shono T.** see Kashimura S. 6737
- Short K. M.** Ching B. W. and  
Mjalli A. M. M.  
The synthesis of hydantoin 4-imides on solid support 7489
- Short K. M.** see Zhang C. 751
- Shapiro N. A.** see Borodkin V. S. 1489
- Shrader W. D.** and Imperiali B.  
Synthesis of the glucoallosamidin pseudo-disaccharide: use of an efficient Hg(II) mediated cyclization 599
- Shu C.-F.** Tsai W.-J. and  
Jen A. K.-Y.  
A new synthetic approach for nonlinear optical chromophores possessing enhanced thermal stability 7055
- Shu T.** Chen D.-W. and  
Ochiai M.  
Direct synthesis of 2-substituted furanones from tropolones utilizing alkynyl(phenyl)iodonium salts 5539
- Shudo K.** see Azumaya I. 5003
- Shudo K.** see Ohwada T. 2609
- Shue Y.-K.**  
Total synthesis of ( $\pm$ ) indolmycin 6447
- Shuhalibar K. F.** see Heaney H. 4275
- Shull B. K.** see Wu J. 3647
- Shul'pin G. B.** see Schuchardt U. 6487
- Shultz D. A.** and Zhao Q.  
Preparation and characterization of a bis-galvinoxyl-disulfide 8837
- Shustov G.** see Polyak F. 8223
- Shuto S.** Haramiishi K. and  
Matsuda A.  
Nucleosides and nucleotides—CXLV. Synthesis of 2'-deoxy and 5'-phosphate derivatives of bredinin. A photochemical imidazole-ring cleavage and subsequent reconstruction of the base moiety 187
- Shuto S.** Ono S. Hase Y.  
Kamiyama N. and  
Matsuda A.  
Synthesis of (+)- and (-)-milnacipran and their conformationally restricted analogs 641
- Shuto S.** see Ono S. 221
- Shuttleworth S. J.** see  
Allin S. M. 8023
- Sibley G. E. M.** see Taylor G. M. 1297
- Sica D.** see Graziano M. L. 527
- Siciliano C.** see Leggio A. 1277
- Sieber-McMaster E.** see  
Robl J. A. 8985
- Siebert T.** see Schmittel M. 7691
- Sieburth S. McN.** and Lin C.-H.  
Intermolecularly selective [4 + 4] photocycloaddition of 2-pyridone mixtures 1141
- Siegel M. G.** see Kaldor S. W. 7193
- Siegel S.** see Schmalz H.-G. 2947
- Siegmund A. C.** see  
Beaver K. A. 1145
- Sierra C.** see Garcia J. J. 6097
- Sierra M. A.** see Alcaide B. 6901
- Siev D.** see Sarshar S. 835

- Sigafoos J.** see Spaltenstein A. 1343
- Silva A. M. S.** see Faustino M. A. F. 3569
- Silva R. A.** see Gribble G. W. 2145
- Silveira C. C. Braga A. L.** Machado A. Florin G. L. and Dabdoub M. J. Reaction of  $\alpha$ -chloro- $\alpha$ -phenylselenoesters with silyl enol ethers. Synthesis of  $\alpha$ -phenylseleno- $\gamma$ -keto esters and  $\gamma$ -butyrolactones 9173
- Silveira C. C. Fiorin G. L. and Braga A. L.** Lewis acid-catalyzed coupling reactions of allylsilanes with tris(phenylchalcogeno)methane. Synthesis of homoallylchalcogenoacetals 6085
- Silverberg L. J. Dillon J. L. and Vernishetti P.** A simple, rapid and efficient protocol for the selective phosphorylation of phenols with dibenzyl phosphite 771
- Silverton J. V.** see Ionescu D. 1559
- Silvestre A. J. D.** see Cavaleiro J. A. S. 1893
- Sim K.-Y.** see Loh T.-P. 2989
- Sim K.-Y.** see Venkatraman G. 2643
- Sim T. B. Choi J. and Yoon N. M.** A new coupling reaction of alkyl iodides with  $\alpha$ , $\beta$ -unsaturated esters using  $\text{Ni}_2\text{B}(\text{cat})$ -BER in methanol 3137
- Simakov P. A.** see Newcomb M. 819
- Simmons C. J.** Colmenares L. U. and Liu R. S. H. X-Ray crystal structure of a hindered 7-*cis* isomer of vitamin A. 7-*cis*-8-Fluororetinol 4103
- Simoni D.** see Kozikowski A. P. 5333
- Simonneaux G.** see Morice C. 6701
- Simonneaux G.** see Poignant G. 7511
- Simonov N. A.** see Samoshin V. V. 3981
- Simpkins N. S.** see Hughes A. D. 7607
- Simpson T. J.** see McNicholas C. 8053
- Sin N. and Kallmerten J.** Synthesis of (2S,3S,8S,9S)-Adda from D-glucose 5645
- Sindelar C. A.** see Flores V. 8633
- Sindona G.** see Leggio A. 1277
- Singaram B.** see Cai J. 3383
- Singh H.** see Kumar S. 2071
- Singh H.** see Kumar S. 3495
- Singh M.** see Murray R. W. 8671
- Singh P.** see Kumar S. 3495
- Singh P. R. Rajopadhye M.** Clark S. L. and Williams N. E. Effect of scavengers in acidolytic cleavage of Cys(Acm)-containing peptides from solid support: isolation of an ethanedithiol disulfide adduct 4117
- Singh S. B. Zink D. L.** Polishook J. D. Dombrowski A. W. Darkin-Rattray S. J. Schmatz D. M. and Goetz M. A. Apicidins: novel cyclic tetrapeptides as coccidiostats and antimalarial agents from *Fusarium pallidoroseum* 8077
- Singh S. K. Parmar V. S. and Wengel J.** Towards 2',3'-dideoxy-nucleoside libraries: synthesis of 3'-alkylthio analogues from an  $\alpha$ , $\beta$ -unsaturated aldehyde 7619
- Singh V. K.** see DattaGupta A. 2633
- Singh V. K.** see Sekar G. 8435
- Sinha N. D.** see Kremsky J. N. 4313
- Sinha Roy R. and Imperiali B.** Stereoselective synthesis of a pyridoxamine coenzyme-amino acid chimera: assembly of a polypeptide incorporating the pyridoxamine moiety 2129
- Sinibaldi M.-E.** see Ibrahim-Ouali M. 37
- Sinou D.** see Nguefack J.-F. 5527
- Sinou D.** see Nguefack J.-F. 59
- Sirlin C.** see Chengebroyen J. 7263
- Sisk T. M.** see Scialfani J. A. 2193
- Sisko J. Mellinger M. Sheldrake P. W. and Baine N. H.** An efficient method for the synthesis of substituted TosMIC precursors 8113
- Sisti N. J.** see Fortunak J. M. D. 5679
- Sisti N. J.** see Fortunak J. M. D. 5683
- Sitarameiah D.** see Venkateswara Rao B. 8613
- Sivanandaiah K. M.** Suresh Babu V. V. and Gangadhar B. P. Silicon tetrachloride and phenol as  $N^{\omega}$ -t-butoxycarbonyl group deprotecting agent in solid-phase peptide synthesis 5989
- Sizemore C.** see Seneci P. 6319
- Sjöberg S.** see Tjarks W. 6905
- Skalitzky D. J.** see Hu Y. 8679
- Skattebal L.** see Hofsløkken N. 119
- Skelton B. W.** see Bremner J. B. 8573
- Sklenár V.** see Marek R. 1655
- Skoda-Földes R. Jeges G.** Kollár L. Horváth J. and Tuba Z. Facile, high-yielding synthesis of novel pentacyclic steroids 2085
- Slany M. Caminade A.-M. and Majoral J. P.** Specific functionalization on the surface of dendrimers 9053
- Slate R. A.** see Herrick R. S. 5289
- Slaven, IV W. T.** see Li C.-J. 4459
- Slavík J.** see Marek R. 1655
- Slawin A. M. Z.** see Heaney H. 4275
- Sliedregt K. M. Schouten A.** Kroon J. and Liskamp R. M. J. Reaction of *N*-trityl amino acids with BOP: efficient synthesis of *t*-butyl esters as well as *N*-trityl serine- and threonine- $\beta$ -lactones 4237
- Smelt K. H.** see Blériot Y. 7155
- Smirnov I. P.** see Polushin N. N. 3227
- Smirnov I. P.** see Timofeev E. N. 8467
- Smith B. D.** see Morin G. T. 3101
- Smith B. D.** see Riggs J. A. 6303
- Smith B. D.** see Staley S. A. 283
- Smith C.** see Davis B. 8565
- Smith C.** see Shilcock J. P. 8569
- Smith D. B. Elworthy T. R. Morgans, Jr D. J. Nelson J. T. Patterson J. W. Vasquez A. and Walots A. M.** Investigation of an unusual rearrangement 21
- Smith G. B.** see Senanayake C. H. 3271
- Smith G. R.** see Butcher J. W. 6685
- Smith J. A.** see Ang K. H. 675
- Smith J. A. S.** see Gerthanassis I. P. 3191
- Smith K. M.** see Gerlach B. 5431
- Smith K. M.** see Kozyrev A. N. 6431
- Smith K. M.** see Kozyrev A. N. 747
- Smith K. M.** see Nguyen L. T. 7177
- Smith P. W.** see Howes P. D. 6595
- Smith R. J.** see Bremner J. B. 8573
- Smith R. J.** see Bremner J. B. 97
- Smith R. S.** see Sammakia T. 4427

- Smith S. C.** see Fleming I. 9395  
**Smith T. J.** see Prévôt-Halter I. 1201  
**Smith, III A. B.** Kinsho T.  
 Sunazuka T. and Omura S. Biomimetic total synthesis of the ACAT inhibitor (+)-pyripyropene E 6461  
**Smith, III A. B.** see Hirschmann R. 5637  
**Smith, III W. J.** and Sawyer J. S. A novel and selective method for the N-arylation of indoles mediated by  $KF/Al_2O_3$  299  
**Smits R.** see Butler D. N. 2157  
**Smrková S.** see Baldwin J. E. 6919  
**Smyth D. G.** see Attwood M. R. 2731  
**Snaith J. S.** see Jones R. C. F. 1707  
**Snaith J. S.** see Jones R. C. F. 1711  
**Snelgrove D. W.** MacFaul P. A., Ingold K. U. and Wayner D. D. M. The role of alkoxy radicals in Gif (GoAgg $\gamma$ ) chemistry 823  
**Snider B. B.** Chen J.  
 Patil A. D. and Freyer A. J. Synthesis of the tricyclic portions of batzelladines A, B and D. Revision of the stereochemistry of batzelladines A and D 6977  
**Snieckus V.** see Brough P. A. 2915  
**Snieckus V.** see Superchi S. 6057  
**Snieckus V.** see Superchi S. 6061  
**Snoonian J. R.** see Wiberg K. B. 8285  
**Snyder J. K.** see Benson S. C. 5061  
**Soai K.** see Shibata T. 8783  
**Sobel M.** see Suda Y. 1053  
**Sobkowski M.** see Cieslak J. 4561  
**Sobolov S. B.** see Sammakia T. 4427  
**Sodano G.** see Izzo I. 4775  
**Sodano G.** see Soriente A. 8007  
**Sodeoka M.** see Dai J.-P. 491  
**Sodeoka M.** see Tokunoh R. 2449  
**Sodeoka M.** Sampe R. Kagamizono T. and Osada H. Asymmetric synthesis of RK-682 and its analogs, and evaluation of their protein phosphatase inhibitory activities 8775  
**Södergren M. J.** and Andersson P. G. Chiral, bicyclic proline derivatives and their application as ligands for copper in the catalytic asymmetric allylic oxidation of olefins 7577  
**Soderquist J. A.** Vaquer J. Diaz M. J., Rane A. M.  
 Bordwell F. G. and Zhang S. Trisopropylsilanol: a new type of phase transfer catalyst for dehydrohalogenation 2561  
**Sofia M. J.** see Chan T. Y. 8097  
**Solà L.** see Camps P. 8601  
**Sola R.** Méry J. and Pascal R. Fmoc-based solid-phase peptide synthesis using Dpr(Phoc) linker. Synthesis of a C-terminal proline peptide 9195  
**Šolajla B. A.** Milic D. R. and Gašić M. J. A novel *m*-CPBA oxidation: *p*-quinols and epoxyquinols from phenols 3765  
**Solans X.** see Camps P. 8601  
**Solans X.** see Farràs J. 901  
**Solé D.** Bonjoch J. García-Rubio S., Suriol R. and Bosch J. A new solution for the construction of the piperidine ring of *Strychnos* alkaloids from 3a-(*o*-nitrophenyl)hexahydroindol-4-ones. Total syntheses of ( $\pm$ )-tubifolidine, ( $\pm$ )-dihydroakuammicine, and ( $\pm$ )-akuammicine 5213  
**Soliman H.** see Elmorsy S. S. 2297  
**Solladié G.** and Chu G.-H. Total synthesis of (+)-indolizidine 195 B and (+)-monomorine 111  
**Soloshonok V. A.** Kacharov A. D., Avilov D. V. and Hayashi T. Transition metal-catalyzed diastereoselective aldol reactions of prochiral ketones with methyl isocyanoacetate 7845  
**Soloshonok V. A.** see Hayashi T. 4969  
**Soloway A. H.** see Cai J. 9283  
**Somfai P.** see Áhman J. 2495  
**Somsák L.** see Kovács G. 1293  
**Son D. Y.** Bucca D. and Keller T. M. Hydrosilylation reactions of bis(dimethylsilyl)acetylenes: a potential route to novel  $\sigma$ - and  $\pi$ -conjugated polymers 1579  
**Sone T.** see Ito K. 5959  
**Song Q.** see Ozola V. 8621  
**Song Y.** see Burke S. D. 343  
**Sonoda N.** see Terao J. 4741  
**Sonoda N.** see Tsunoi S. 6729  
**Sood G. H. N.** see Luis J. G. 4213  
**Soriente A.** De Rosa M.  
 Scettri A. and Sodano G. A new approach to pyranoturanones, advanced intermediates for the synthesis of manoalide, cacospongionolides and their analogues 8007  
**Sotheeswaran S.** see Spino C. 6503  
**Soto J. J.** see Rodríguez A. D. 2687  
**Sotomayor N.** see Collado M. I. 6193  
**Sotomayor N.** see Manteca I. 7841  
**Sotomayor N.** see Superchi S. 6057  
**Sotomayor N.** see Superchi S. 6061  
**Souchard J.-P.** see Urizzi P. 4685  
**Soufiaoui M.** see Beugelmans R. 1603  
**Souizi A.** see Boukhris S. 4693  
**Soumillion J. Ph.** see Ayadim M. 7039  
**Soumillion J. Ph.** see Ayadim M. 381  
**Soundararajan R.** see Dhokte U. P. 8345  
**South M. S.** Jakuboski T. L., Westmeyer M. D. and Dukesherer D. R. Novel cyclization reactions of dichloroazadienes 1351  
**South M. S.** see Hamper B. C. 3671  
**Souto M. L.** see Norte M. 2671  
**Sowa, Jr J. R.** see Liu C. 7241  
**Sowell C. G.** Livesay M. T. and Johnson D. A. New procedure for the preparation of 2-(trimethylsilyl)ethyl 2-acetamido-2-deoxy-3,4,6-tri-O-acetyl- $\beta$ -D-glucopyranoside and other alkyl  $\beta$ -glycosides 609  
**Spaltenstein A.** Leban J. J., Huang J. J., Reinhardt K. R., Viveros O. H., Sigafos J. and Crouch R. Design and synthesis of novel protease inhibitors. Tripeptide  $\alpha',\beta'$ -epoxyketones as nanomolar inactivators of the proteasome 1343  
**Spaltenstein A.** see Miller J. F. 2521  
**Spangle L. A.** see Dressman B. A. 937  
**Spangler L. A.** A novel method for the preparation of 2,6-disubstituted benzenesulfonates and benzenesulfonyl chlorides utilizing the powerful alkyl sulfonate *ortho* directing group 3639  
**Sparey T. J.** see Clark A. J. 909  
**Spatola A. F.** Darlak K. and Romanovskis P. An approach to cyclic peptide libraries: reducing epimerization in medium sized rings during solid phase synthesis 591  
**Spear K. L.** see Beaver K. A. 1145

- Speckamp W. N.** see Bernabé P. 3561
- Speckamp W. N.** see Luker T. 8257
- Spencer R. P.** and **Schwartz J.** Variously substituted glycals are readily prepared from glycosyl bromides using ( $Cp_2TiCl_2$ )<sub>2</sub> 4357
- Speranza G.** Manitto P. Fontana G. Monti D. and Galli A. Evidence for enantiomeric-enantiotopic group discrimination in diol dehydratase-catalyzed dehydration of meso-2,3-butanediol 4247
- Sperry S.** and **Crews P.** A novel alkaloid from the Indo-Pacific sponge *Clathria basilana* 2389
- Spiegel S.** see Kozikowski A. P. 3279
- Spilling C. D.** see Boehlow T. R. 2717
- Spinelli E. M.** see Busacca C. A. 2935
- Spino C.** Mayes N. Desfossés H. and Sotheeswaran S. Enantioselective synthesis of (+)- and (-)-dihydrokawain 6503
- Spitzner D.** see Braun N. A. 9187
- Spivey A. C.** see Baldwin J. E. 3761
- Spivey A. C.** see Farthing C. N. 5225
- Sponsler M. B.** see Gu X. 1571
- Sprengeler P. A.** see Hirschmann R. 5637
- Spunta G.** see Bandini E. 4409
- Spyroudis S.** see Papoutsis I. 913
- Spyvee M.** see Frost C. 9139
- Spyvee M. R.** see Baldwin J. E. 6923
- Srebnik M.** see Deloux L. 2735
- Srebnik M.** see Pereira S. 3283
- Sreekumar R.** and Padmakumar R. Aromatic 3-aza-Cope rearrangement over zeolites 5281
- Sridharan V.** see Grigg R. 3399
- Sridharan V.** see Grigg R. 4221
- Srikantha A. R. P.** see Chan C. 8925
- Srikrishna A.** Kumar P. P. and Viswajanani R. A simple strategy for spirocyclopentannulation of cyclic ketones. Formal total synthesis of ( $\pm$ )-acorone 1683
- Srikrishna A.** Reddy T. J. and Nagaraju S. Enantioselective synthesis of both (+)- and (-)-derivatives of bicyclo[4.3.0]-nonan-8-one and -3,8-diones from *R*-carvone 1679
- Srikrishna A.** and Viswajanani R. Stereospecific construction of stereogenic vicinal quaternary carbon atoms. Enantiospecific synthesis of (+)-valerenane 2863
- Srinivasan P. C.** see Mohanakrishnan A. K. 2659
- Srivastava S.** and **Falvey D. E.** Photolysis of 3-hydroxy-2,3-dihydro-2,1-benzisoxazole derivatives studied by EPR spectroscopy: competing N—O and C—O bond scission 2895
- Šrogl J.** see Kocovský P. 5585
- Stabile M. R.** see Butora G. 8155
- Stahr H.** see Gleiter R. 1179
- Staley S. A.** and **Smith B. D.** Phenyl glycopyranoside recognition in water using Stoddart's cyclobis-(paraquat-p-phenylene) receptor 283
- Stalmans W.** see Blériot Y. 7155
- Stamos D. P.** Taylor A. G. and Kishi Y. A mild preparation of vinyliodides from vinylsilanes 8647
- Stamos D. P.** and **Kishi Y.** Synthetic studies on halichondrins: a practical synthesis of the C.1–C.13 segment 8643
- Stanbury T. V.** see Michael J. P. 9403
- Standen M. C. H.** see Bell L. 7139
- Stang P. J.** see Lermontov S. A. 4051
- Stansfield K.** see Crowley P. J. 5975
- Stansfield K.** see Crowley P. J. 8233
- Stansfield K.** see Crowley P. J. 8237
- Starbuck K. E.** see Hungate R. W. 4113
- Starkey I. D.** see Murray P. J. 1875
- Staszak M. A.** see Huff B. E. 3655
- Staunton J.** see Less S. L. 3511
- Staunton J.** see Less S. L. 3515
- Staunton J.** see Less S. L. 3519
- Stavber S.** and **Zupan M.** High yield direct fluorofunctionalisation of ketones using Accufluor™-NFT<sub>h</sub> fluorinating reagent 3591
- Stawinski J.** see Bollmark M. 3537
- Stawinski J.** see Bollmark M. 5739
- Stawinski J.** see Cieslak J. 4561
- Steckhan E.** see Schierle K. 8715
- Steel P. G.** see Batsanov A. S. 2491
- Steel P. G.** see Byerley A. L. J. 9093
- Steenkamp J. A.** see Marais C. 5763
- Steeken S.** see Kirmse W. 1197
- Stefanescu A. D.** see Schwabacher A. W. 425
- Steglich W.** see Bertram G. 7955
- Steglich W.** see Mayer G. 4483
- Stein B. K.** see Plater M. J. 7855
- Steinberg T. H.** see Gee K. R. 7905
- Steinman M.** see Gala D. 611
- Steinwascher J.** see Griesbeck A. G. 8367
- Steilmach J. E.** see Winkler J. D. 4317
- Stemp G.** see Harm A. M. 6189
- Stenland C. J.** see Braslav R. 7933
- Stepanenko W.** see Michalak K. 7657
- Stepanian M.** see Paquette L. A. 1721
- Stepanian M. W.** see McGarvey G. J. 5461
- Stepanian M. W.** see McGarvey G. J. 5465
- Stephanidou-Stephanatou J.** see Nicolaides D. N. 1097
- Stephenson G. R.** see Attwood M. R. 2731
- Stephenson G. R.** see Hudson R. D. A. 9009
- Stephenson G. R.** see Sandoe E. J. 6283
- Stepsus N. A.** see Van Arnun S. D. 8659
- Stetsenko D. A.** Lubyako E. N. Potapov V. K. Azhilikina T. L. and Sverdlov E. D. New approach to solid phase synthesis of polyamide nucleic acids analogues (PNA) and PNA–DNA conjugates 3571
- Stevenson P. J.** see McAlonan H. 7151
- Stevenson T. M.** Bhanu Prasad A. S. Rao Citineni J. and Knochel P. Preparation of zinc organometallics derived from nucleosides and nucleic acid bases and Pd(0) catalyzed coupling with aryl iodides 8375
- Stewart A. O.** see Williams D. R. 983
- Stick R. V.** see McAuliffe J. C. 2479
- Still W. C.** see Pan Z. 8699
- Stille J. R.** Ward J. A. Leffelman C. and Sullivan K. A. 5-Formyl salicylaldehyde as a

- linker for the synthesis of benzofuran containing insulin sensitivity enhancer compounds 9267
- Stock H. T. and Turner N. J.** Crystallisation-induced dynamic resolution of dipeptide-derived 5(4*H*)-oxazolones 6575
- Stockman R.** see Andrews I. P. 4811
- Stoddart J. F.** see Ashton P. R. 6217
- Stoeckel S. M.** see Schnapp K. A. 2317
- Stoelwinder J.** see Kozikowski A. P. 5333
- Stojanovic A. and Renaud P.** N,Se-Acetals: easy preparation and application to radical mediated EPC synthesis 9199
- Stojanovic A.** see Renaud P. 2569
- Stokker G. E.** Preparation of 1,2,3,4-tetrahydroisoquinolines lacking electron donating groups—an intramolecular cyclization complementary to the Pictet–Spengler reaction 5453
- Stoltz B. M. and Wood J. L.** The stereoselective ring contraction of a pyranosylated indolocarbazole. A biosynthetic link between K252a and staurosporine? 3929
- Stoltz B. M.** see Wood J. L. 7335
- Stone B. A.** see McAuliffe J. C. 2479
- Stones J. A.** see Craig D. 535
- Storage L.** see Zhang L. 4455
- Storch de Gracia I.** see Carretero J. C. 3379
- Storey B. M.** see Atkinson R. N. 9287
- Stoub D. G., Cheng K.-L. and Goodman J. L.** The stereospecific cyclopropanation of diarylcarbene cation radicals 4927
- Stowell M. H. B., Rock R. S., Rees D. C. and Chan S. I.** Efficient synthesis of photolabile alkoxy benzoin protecting groups 307
- Strack T. J.** see Reetz M. T. 9293
- Stratakis M., Orfanopoulos M., Chen J. S. and Foote C. S.** Reaction profile of the photooxygenation of trisubstituted alkenes 4105
- Stratakis M., Orfanopoulos M., and Foote C. S.** Solvent effects in the stereoselectivity of the ene reaction of singlet oxygen with allylic alcohols 7159
- Strehlke P.** see Bohlmann R. 7249
- Strekowski L., Lin S.-Y., Lee H. and Mason J. C.** Base-mediated reactions of *ortho*- and *para*-perfluoroalkylanilines 4655
- Strelchenko Y. A.** see Churakov A. M. 8577
- Strittmatter M.** see Schmittel M. 7691
- Strittmatter M.** see Schmittel M. 999
- Strocker A. M., Keating T. A., Tempest P. A. and Armstrong R. W.** Use of a convertible isocyanide for generation of Ugi reaction derivatives on solid support: synthesis of  $\alpha$ -acylaminooesters and pyrroles 1149
- Strömberg R.** see van der Laan A. C. 7857
- Studley J. R.** see Gamble M. P. 2853
- Stuhlemmer U. and Kreis W.** Does the malonyl-coenzyme A:21-hydroxypregnane 21-hydroxymalonyltransferase catalyze the first step in the formation of the butenolide ring of cardenolides? 2221
- Suárez E.** see Dorta R. L. 6021
- Suárez E.** see Francisco C. G. 1687
- Suárez E.** see Hernández R. 6409
- Suárez-Gea M. L.** García-López M. T., González-Muñiz R., Herrero S. and Herranz R. Branched peptides and conformationally constrained analogues from cyanomethyl-eneamino pseudopeptides 2083
- Suau R., Nájera F. and Rico R.** Photochemical hydroxymethylation of protoberberine alkaloids. Total synthesis of ( $\pm$ )-solidaline 3575
- Suau R., López-Romero J. M. and Rico R.** A versatile approach to the synthesis of 4,5-dioxoaporphine and 3,4-dioxocularaine alkaloids. One-pot sequential C/B ring formation from arylacetamides 9357
- Subasinghe N. L.** see Khalil E. M. 3441
- Subba Rao P. S. V.** see Sarkar T. K. 8627
- Subbaraju G. V.** see Banik B. K. 1363
- Subba Rao G. S. R.** see Kaliappan K. 8429
- Subramanian V.** see Myers A. G. 587
- Subramanyam C.** Corrigendum 2315
- Subramanyam C.** Chattarjee S. and Mallamo J. P. A convenient synthesis of 3-substituted pipecolic acid methyl esters 459
- Subramanyam C.** Chattarjee S. and Mallamo J. P. Corrigendum 2315
- Suda Y., Bird K., Shiyama T., Koshida S., Marques D., Fukase K., Sobel M. and Kusumoto S.** Synthesis and biological activity of a model disaccharide containing a key unit in heparin for binding to platelets 1053
- Suda Y.** see Fukase K. 6763
- Sudalai A.** see Barhate N. B. 2067
- Sudalai A.** see Ponde D. 4605
- Sudalai A.** see Ramchandani R. K. 4063
- Sudhakar A. R.** see Andrews D. R. 3417
- Sueda T.** see Ochiai M. 8421
- Suenaga K., Kigoshi H. and Yamada K.** Auripyrone A and B, cytotoxic polypropionates from the sea hare *Dolabella auricularia*: isolation and structures 5151
- Suenaga K.** Mutou T., Shibata T., Itoh T., Kigoshi H. and Yamada K. Isolation and stereostructure of aurilide, a novel cyclodepsipeptide from the Japanese sea hare *Dolabella auricularia* 6771
- Suffert J.** see Ziessel R. 2011
- Sufi B. A.** see Amat M. 5217
- Sufi B. A.** see Bennasar M.-L. 7653
- Sufi B. A.** see Bennasar M.-L. 9105
- Sugahara T. and Ogasawara K.** Contra-steric Diels–Alder route to 3-oxodicyclopentadiene and *meso* 3,5-*endo*-dihydroxy-4,5-dihydro-dicyclopentadiene 205
- Sugahara T. and Ogasawara K.** Enantioconvergent synthesis of (+)-estrone from racemic 4-*tert*-butoxy-2-cyclopentenone 7403
- Suganuma H.** see Matsumoto M. 5939
- Sugasawa K., Shindo M., Noguchi H. and Koga K.** Solution structures of a monodentate chiral lithium amide in the presence of lithium halide 7377

- Sugata T. and Higuchi R.** A facile preparation of the methyl 2-thioglycoside of *N*-glycolylneurameric acid, an efficient donor of NeuGc 2613
- Sugathapala P.** see Rigby J. H. 5293
- Sugawa Y.** see Yasuda M. 5951
- Sugawara M.** see Yoshida J. 3157
- Sugimura H.** see Sujino K. 6133
- Sugimura T., Futagawa T., Katagiri T., Nishiyama N. and Tai A.** Enantiospecific preparation of *gem*-dimethylcyclopropane fused cycloheptanes via valence tautomerization of 3,4-homotropilidene under thermodynamic and kinetic control 7303
- Sugino E.** see Choshi T. 2593
- Suginome M., Matsunaga S., Iwanami T., Matsumoto A. and Ito Y.** Palladium-catalyzed intramolecular addition of trisilanes to carbon–carbon double bonds. Polyol synthesis by use of a disilanyl group as a hydroxyl equivalent 8887
- Sugiura M. and Nakai T.** Regiochemical control in the Pd(II)-catalyzed Claisen rearrangement via *in situ* enol ether exchange 7991
- Sugiura Y.** see Takahashi T. 2433
- Sugiura Y.** see Yamamoto Y. 7801
- Sugiyama H., Fujimoto K., Saito I., Kawashima E., Sekine T. and Ishido Y.** Evidence for intrastrand C2' hydrogen abstraction in photoirradiation of 5'-halouracil-containing oligonucleotides by using stereospecifically C2'-deuterated deoxyadenosine 1805
- Sugiyama H., Matsuda S., Kino K., Zhang Q.-M., Yonei S. and Saito I.** New synthetic method of 5-formyluracil-containing oligonucleotides and their melting behavior 9067
- Suh J.-M.** see Ha H.-J. 7069
- Suhara Y., Hildreth J. E. K. and Ichikawa Y.** Corrigendum 4827
- Suhara Y., Hildreth J. E. K. and Ichikawa Y.** Synthesis of a new carbohydrate mimetics: "carbopeptoid" containing a C-1 carboxylate and C-2 amino group 1575
- Suhara Y., Ichikawa M., Hildreth J. E. K. and Ichikawa Y.** Synthesis of sulfated  $\beta$ -1,6-linked oligosaccharide mimetics: a novel potent inhibitor of HIV replication 2549
- Suich D. J., Ballinger M. D., Wells J. A. and DeGrado W. F.** Fmoc-based synthesis of glycolate ester peptides for the assembly of *de novo* designed multimeric proteins using subtiligase 6653
- Sujino K., Yoshida T. and Sugimura H.** Facile synthesis of 2',3'-unsaturated nucleosides from 2-deoxyribose 6133
- Sukanya S.** see Ramadas K. 7665
- Sukhomlinova L. I.** see Bumagin N. A. 897
- Sulkowski G. A.** see Lim H.-J. 5243
- Süling C.** see Zhang D. 3799
- Sullivan K. A.** see Stille J. R. 9267
- Sullivan P. J.** see Krein D. M. 7213
- Sulsky R.** see Robl J. A. 8985
- Sultana F.** see Iyoda M. 7987
- Sumida S.** see Tanaka H. 5967
- Sumithra G.** see Chandrasekhar S. 1645
- Sumithra G.** see Yadav J. S. 6603
- Sun D.** see Liu H.-J. 8073
- Sun D.-J.** see Chou S.-S. P. 7279
- Sun H.** see Yue X. 8213
- Sun L., Li P., Landry D. W. and Zhao K.** Synthesis of *N*-alkoxytrihydroxypiperidine analogs of allopurinol 1547
- Sun S.** see Hong B. 659
- Sun W.-C.** see Gee K. R. 7905
- Sunazuka T.** see Smith, III A. B. 6461
- Sung J. W., Jang W. B. and Oh D. Y.** First example of 1,1-bimetalloalkenes of tellurium and zirconium: application for stereoselective preparation of (*Z*)- $\alpha$ -organotelluro- $\alpha$ , $\beta$ -unsaturated carbonyl compounds 7537
- Superchi S., Sotomayor N., Miao G., Joseph B., Campbell M. G. and Snieckus V.**  $\alpha$ -Aryl O-vinyl carbamates. Tandem carbolithiation- $\alpha$ -alkylation and [1,2]-Wittig rearrangement reactions 6061
- Superchi S., Sotomayor N., Miao G., Joseph B. and Snieckus V.**
- $\alpha$ -Zinc O-vinyl carbamates as anionic Friedel-Crafts equivalents. Cross coupling reactions with aryl and heteroaryl halides and triflates 6057**
- Suresh Babu V. V.** see Sivanandaiah K. M. 5989
- Suri S. C.** Corrigendum 7665
- Suri S. C.** Flexible approach for stereoselective synthesis of functionalized *cis*-hydrindanes: potential building blocks for natural product synthesis 2335
- Suriol R.** see Solé D. 5213
- Surivet J.-P., Goré J. and Vatèle J.-M.** Total synthesis of (+)-goniodiol 371
- Surivet J.-P. and Vatèle J.-M.** Concise total synthesis of (+)-goniofufurone and goniobutenolides A and B 4373
- Suryawanshi S. N.** see Paul S. 4055
- Suryawanshi S. N.** see Rani A. 8037
- Susumu K., Shimidzu T., Tanaka K. and Segawa H.** Synthesis of novel porphyrin arrays directly-linked through the *meso*-carbons 8399
- Sutherland J. D.** see Cook S. D. 5779
- Suto M. J.** see Gayo L. M. 4915
- Suzuki T.** see Ramesh U. 8403
- Suzuki H. and Abe H.** A new straightforward synthesis of alkynyl sulfones via the sonochemical coupling between alkynyl halides and copper sulfonates 3717
- Suzuki H.** see Tanaka K. 5925
- Suzuki H.** see Yamazaki N. 6161
- Suzuki I.** see Yamamoto Y. 1863
- Suzuki K., Fujii T., Sato K. and Hashimoto H.** Two efficient routes for construction of amidine-linked pseudo-disaccharide 5921
- Suzuki K.** see Hosoya T. 663
- Suzuki M.** see Harada K. 3001
- Suzuki M.** see Kai S. 5931
- Suzuki S.** see Kobayashi S. 2809
- Suzuki S.** see Kobayashi S. 7783
- Suzuki T.** see Araki K. 73
- Svensson A., Fex T. and Kihlberg J.** Use of  $^{19}\text{F}$  NMR spectroscopy to evaluate reactions in solid phase organic synthesis 7649
- Sverdlov E. D.** see Stetsenko D. A. 3571
- Swanson S.** see Sandoe E. J. 6283

- Swartz, Jr S. G.** see Hernandez S. 4907
- Sweeney J. B.** see Knight J. 6579
- Swenton L.** see Khanna I. K. 1355
- Swindell C. S. and Fan W.** Corrigendum 3919
- Swindell C. S. and Fan W.** Construction of an advanced taxane synthesis intermediate with an oxygenated B-ring and a non-aromatic C-ring through intramolecular pinacol coupling at C-1-C-2 2321
- Swinnen D.** see Kreiser W. 7119
- Swinnen D.** see Krief A. 7123
- Sylvestre M.** see Chiodi O. 39
- Systermans A.** Dat Y. and Ripoll J.-L. The flash vacuum thermolysis of 1,3-diisopropyl- and 1,3-ditertiobutyl-2,4,4-tetramethylcyclodisilazanes 3317
- Szardenings A. K.** Gordeev M. F. and Patel D. V. A general and convenient synthesis of novel phosphotyrosine mimetics 3635
- Szczepanski S. W. and Anouna K. G.** Synthesis of semi-rigid analogs of anabasine 8841
- Szczepak W. J.** see Kasal A. 6221
- Sztrácskai F. J.** see Kovács-Kulyassa Á. 2499
- Szymoniak J.** Felix D. and Moise C. Transition metal promoted synthesis of *N,N*-dimethyl tertiary amides from 1,3-dienes 33
- Tabakovic I. and Tabakovic K.** One pot electrochemical synthesis of 10,10'-bisvindoline by an oxidation-reduction sequence 3659
- Tabakovic K.** see Tabakovic I. 3659
- Tabohashi K.** see Takahashi Y. 5547
- Taborda G.** see Paredes R. 1965
- Tachibana J.** see Ueki M. 4953
- Tachibana K.** see Matsumori N. 1269
- Tada Y.** see Miki Y. 7753
- Taddei M.** see Mann A. 2651
- Taddei M.** see Schneider M.-R. 8493
- Taga T.** see Fuji K. 7111
- Tagat J. R.** McCombie S. W. and Puar M. S. A scalemic synthesis of the scopadulcic acid skeleton—I. An efficient  $\gamma$ -alkylation at C-9 in abietane framework and subsequent aldol reaction 8459
- Tagat J. R.** Puar M. S. and McCombie S. W. A scalemic synthesis of the scopadulcic acid skeleton—II. Ring-D formation via regiospecific intramolecular aldol and alkylation reactions 8463
- Tagaya Y.** Tanaka J. Hama K. Goto Y. and Hamana M. A novel reaction of benzoyl chloride adduct of aromatic *N*-oxide with carbonitrile via a carbene intermediate 69
- Tagliatela-Scafati O.** see Cafieri F. 3587
- Tagliatesta P.** see Paolesse R. 2637
- Tagliatesta P.** see Saladino R. 2647
- Taguchi H.** see Okada Y. 2249
- Taguchi T.** see Kodama Y. 1061
- Taguchi T.** see Kodama Y. 2515
- Tahara S.** see Fukushi Y. 4737
- Tahara T.** see Fujita K. 1825
- Tai A.** see Sugimura T. 7303
- Taillades J.** see Collet H. 9043
- Takabe K.** see Yoda H. 5531
- Takacs J. M.** and Mehrman S. J. Catalytic cobalt-mediated reductive carbocyclizations 2749
- Takada K.** see Kobayashi K. 2437
- Takada S.** see Adachi M. 8871
- Takagi A.** see Kataoka T. 2257
- Takagi H.** see Mizutani T. 2581
- Takagi M.** see Sasaki S. 85
- Takagi Y.** Teramoto J. Kihara H. Itoh T. and Tsukube H. Thiacrown ether as regulator of lipase-catalyzed *trans*-esterification in organic media: practical optical resolution of allyl alcohols 4991
- Takagi Y.** see Itoh T. 91
- Takahashi C.** Numata A. Yamada T. Minoura K. Enomoto S. Konishi K. Nakai M. Matsuda C. and Nomoto K. Penostatin, novel cytotoxic metabolites from a *Penicillium* species separated from a green alga 655
- Takahashi H.** Kusumi T. Kan Y. Satake M. and Yasumoto T. Determination of the absolute configuration of yessotoxin, a polyether compound implicated in diarrhetic shellfish poisoning, by NMR spectroscopic method using a chiral anisotropic reagent, methoxy-(2-naphthyl)acetic acid 7087
- Takahashi H.** see Iimori T. 649
- Takahashi K.** see Kita Y. 7545
- Takahashi M.** see Iseki K. 5149
- Takahashi M.** see Kobayashi J. 1449
- Takahashi M.** see Kubo A. 4957
- Takahashi N.** see Mizuno K. 2975
- Takahashi T.** Tanaka H. Matsuda A. Yamada H. Matsumoto T. and Sugiura Y. Synthesis of 10-membered masked oxaenediene analogue of kedarcidin-chr. and C-1027-chr., and its DNA cleaving activity 2433
- Takahashi T.** Xi Z. Kotora M. Xi C. and Nakajima K. Preparation of 1,2,3-trisubstituted cyclopentadienes and tetrahydroindene derivatives from zirconacyclopentenes 7521
- Takahashi Y.** Miyamoto K. Sakai K. Ikeda H. Miyashi T. Ito Y. and Tabohashi K. Electrocycloreversion of benzocyclobutenols promoted by photoinduced electron transfer 5547
- Takahashi Y.** Nishioka N. Endoh F. Ikeda H. and Miyashi T. Phenylcyclopropane cation radical revisited: generation, direct observation and determination of the rates of nucleophilic capture 1841
- Takahashi Y.** Tanino K. and Kuwajima I. Methylenecyclopentane annulation via formal [3 + 2] cycloaddition reaction 5943
- Takahashi Y.** see Harayama H. 7287
- Takahashi Y.** see Ikeda H. 4377
- Takai K.** Ueda T. Hayashi T. and Moriwake T. Activation of manganese metal by a catalytic amount of  $PbCl_2$  and  $Me_3SiCl$  7049
- Takaki K.** see Taniguchi Y. 3465
- Takaku K.** Shinokubo H. and Oshima K. Intramolecular iodosilyletherization of alkylsilanol with bis(2,4,6-trimethylpyridine)iodine(I) hexafluorophosphate 6781
- Takakura H.** Toyoda K. and Yamamura S. The first synthesis of a 2-*epi*-cedrene isoprenologue by means of an electrochemical method in the key step 4043
- Takami J.** see Kohmoto S. 7761

- Takampon A.** see Pohmakot M. 4585
- Takanashi S.** see Mori K. 1821
- Takano I.** **Yasuda I.**  
Nishijima M.  
Hitotsuyanagi Y. **Takeya K.** and Itokawa H.  
Cephalotaxidine, a novel dimeric alkaloid from *Cephalotaxus harringtonia* var. *drupacea* 7053
- Takao H.** see Sakuda S. 5711
- Takao K.** see Ito H. 1799
- Takaoka K.** **Aoyama T.** and Shioiri T.  
A simple one-pot preparation of 2-pyridones from acyl isocyanates utilizing trimethylsilylketene 4973
- Takaoka K.** **Aoyama T.** and Shioiri T.  
A convenient one-pot preparation of bicyclic 2-pyridones from acyl isocyanates utilizing trimethylsilylketene 4977
- Takaoka S.** see Toyota M. 4745
- Takasu K.** see Fuji K. 7111
- Takasu K.** see Kawabata T. 4153
- Takata T.** see Mizuno K. 7775
- Takayama S.** **Livingston P. O.** and **Wong C.-H.**  
Synthesis of the melanoma-associated ganglioside 9-O-acetyl GD3 through regioselective enzymatic acetylation of GD3 using subtilisin 9271
- Takayama S.** **Moree W. J.** and **Wong C.-H.**  
Enzymatic resolution of amines and amino alcohols using pent-4-enoyl derivatives 6287
- Takebe Y.** see Kita Y. 7369
- Takebe Y.** see Shimizu M. 7387
- Takeda K.** see Konda Y. 4015
- Takeda M.** see Morita H. 3739
- Takeda T.** see Urabe H. 1253
- Takeda Y.** see Kita Y. 7545
- Takei H.** see Houkawa T. 1045
- Takei H.** see Kuramochi T. 7075
- Takekawa T.** see Yamanaka H. 1829
- Takemoto Y.** **Baba Y.**  
Noguchi I. and Iwata C.  
Asymmetric synthesis of (diene)Fe(CO)<sub>3</sub> complexes via catalytic enantioselective alkylation with dialkylzinc 3345
- Takenaka H.** see Inoue M. 5731
- Takenaka H.** see Inoue M. 8823
- Takesako K.** see Inami K. 2043
- Takeuchi K.** **Ohga Y.**  
Tokunaga K. and Tsugeno A.  
Formation of a propellane in the solvolysis of a 2-oxo
- bicyclic bridgehead compound 8185
- Takeuchi K.** see Fukuyama Y. 6767
- Takeuchi K.** see Okazaki T. 1035
- Takeuchi K.** see Tokunaga K. 2241
- Takeuchi S.** see Nakamura Y. 2805
- Takeuchi T.** see Hosoya Y. 9227
- Takeya K.** see Takano I. 7053
- Takikawa H.** see Kobayashi J. 6775
- Takikawa H.** see Mori K. 3741
- Takimoto M.** see Sato Y. 887
- Takimoto N.** see Komatsu K. 6153
- Takui T.** see Hatanaka K. 873
- Takui T.** see Hatanaka K. 877
- Takui T.** see Yano M. 9207
- Takuwa A.** see Nishigaiichi Y. 3701
- Talapatra S.** see Harrison B. 9151
- Talaty E. R.** see Yusoff M. M. 8695
- Tam J. P.** see Liu C.-F. 933
- Tamagnan G.** **Gao Y.**  
Baldwin R. M. Zoghbi S. S. and Neumeyer J. L.  
Synthesis of  $\beta$ -CIT-BAT, a potential technetium-99m imaging ligand for dopamine transporter 4353
- Tamai R.** see Murashima T. 8391
- Tamamura H.** see Ibuka T. 2849
- Tamao K.** see Yamaguchi S. 2983
- Tamaoka Y.** see Tsunoda T. 2463
- Tamariz J.** see Nagarajan A. 6835
- Tamaru Y.** see Harayama H. 7287
- Tamburini B.** see Ghiron C. 3891
- Tamburini B.** see Kennedy G. 7441
- Tamilarasu N.** see Ranganathan S. 5199
- Tamura N.** see Murakami M. 7541
- Tamura S. Y.** **Semple J. E.**  
Ardeicky R. J. Leon P.  
Carpenter S. H. Ge Y.  
Shamblin B. M.  
Weinhause M. I.  
Ripka W. C. and Nutt R. F.  
Novel and general method for the preparation of peptidyl argininals 4109
- Tan L.** see Gassman P. G. 439
- Tan X.** see Wilson S. R. 775
- Tanabe G.** see Yoshimatsu M. 4161
- Tanabe Y.** **Wakimura K.** and Nishii Y.  
Sequential and highly stereoselective intermolecular radical additions of 2,3-*cis*-disubstituted 1,1-dibromo- and 1-bromocyclopropanes to electron-deficient olefins 1837
- Tanaka A.** see Konno H. 5393
- Tanaka H.** **Sumida S.** and Torii S.  
Synthesis of 3-alkenyl- $\Delta^2$ -cephems by copper(I) chloride-promoted alkenylation of 3-trifluoromethylsulfonyloxy- $\Delta^3$ -cephem with alkenyltributyltins 5967
- Tanaka H.** see Kittaka A. 2801
- Tanaka H.** see Shiomi K. 1265
- Tanaka H.** see Takahashi T. 2433
- Tanaka J.** **J. Higa T.**  
Zampanolide, a new cytotoxic macrolide from a marine sponge 5535
- Tanaka J.** see Jefford C. W. 159
- Tanaka J.** see Tagawa Y. 69
- Tanaka K.** **Kitahara Y.**  
Suzuki H. Osuga H. and Kawai Y.  
Synthesis and crystal structure of chiral bifunctional helicenes with  $\pi$ -deficient pyridine and  $\pi$ -excessive thiophene units 5925
- Tanaka K.** **Otsubo K.** and Fuji K.  
Enantioselective preparation of allenecarboxylates by asymmetric Horner-Wadsworth-Emmons reaction 3735
- Tanaka K.** see Fuji K. 7111
- Tanaka K.** see Fuji K. 7373
- Tanaka K.** see Fukui K. 4983
- Tanaka K.** see Hagiwara T. 8187
- Tanaka K.** see Susumu K. 8399
- Tanaka M.** see Tsunoi S. 6729
- Tanaka S.** see Harayama H. 7287
- Tanaka T.** **Patra D.**  
Murakami K. Kanda A.  
Hamano K. Yamamoto S.  
Satoh N. and Iwata C.  
Pd(0)-catalyzed lactone migration: a facile route to *cis*-fused hydrobenzofurans 7809
- Tanaka T.** see Iida K. 4997
- Tanaka T.** see Kamata M. 8181
- Tanaka T.** see Ohyama M. 5155
- Tanaka Y.** **Nagamoto K.**  
Sasaki H. Fujimoto T.  
Nishino N. and Oka M.  
Four  $\alpha$ -helix bundle structure built with alternating D- and L-segments 881
- Tanaka Y.** see Hatanaka M. 401
- Tanaka Y.** see Sasaki S. 85
- Tang F.** see Wee A. G. H. 6677
- Tang J. Y.** see Zhang Z. 331
- Tang K.-H.** see Tsai Y.-M. 7767

- Tangney R. S.** see Perry N. B. 9387
- Tani K.** see Kataoka Y. 7083
- Tani K.** see Kimura Y. 4961
- Tani T.** see Kadota S. 7283
- Taniguchi Y. Nagata K.**  
Kitamura T. Fujiwara Y.  
Deguchi D. Maruo M.  
Makioka Y. and Takaki K.  
Convenient preparation and  
reaction of a divalent  
ytterbium thiolate 3465
- Tanikawa S.** see Ito H. 1795
- Tanino K.** see Takahashi Y. 5943
- Tanji S.** see Shibata T. 8783
- Tanner D. D.** see Li X. 3275
- Tampure R. P.** see  
Hadimani S. B. 4791
- Tanyeli C.** see Demir A. S. 407
- Tao J.** see Hoffman R. V. 2381
- Tao X.** see Posner G. H. 7225
- Tao X.** see Posner G. H. 815
- Tardella P. A.** see Carducci M. 3777
- Tarchompoor B.** see  
Jaivisuthunza W. 3199
- Tarrant G. J.** see Bremner J. B. 8573
- Tarrant G. J.** see Bremner J. B. 97
- Tartakovskiy V. A.** see  
Churakov A. M. 8577
- Tartar A.** see Bourel L. 4145
- Tashiro M.** see Mataka S. 65
- Tasker P. A.** see Ashton P. R. 6217
- Tatsuta K. and Yasuda S.**  
Total synthesis of deacetyl-  
caloporuside, a novel inhibitor  
of the GABA<sub>A</sub> receptor ion  
channel 2453
- Tatsuta T.** see Shiozaki M. 7271
- Tatsuta T.** see Shiozaki M. 8627
- Taubner L. M.** see  
Johnson D. A. 605
- Taveras A. G.** see Schultz A. G. 5853
- Taylor A. G.** see Starnos D. P. 8647
- Taylor D. K.** see Barton D. H. R. 1133
- Taylor G. M. Baker S. J.**  
Gedney A. Pearson D. J.  
and Sibley G. E. M.  
On the Ritter reaction of cyclic  
hydroxyamines: synthesis of  
conformationally-restricted  
reduced amide dipeptide  
isosteres 1297
- Taylor J. W.** see Yu C. 1731
- Taylor J. W.** see Zhang W. 2173
- Taylor P. C.** see Clark A. J. 909
- Taylor P. G.** see  
Bassindale A. R. 555
- Taylor R.** see Benito A. M. 1085
- Taylor R. J. K.** see Alcaraz L. 6619
- Taylor R. J. K.** see  
Charoenying P. 1913
- Taylor R. J. K.** see  
Gamble M. P. 7457
- Taylor R. J. K.** see  
Graham A. E. 7445
- Taylor R. J. K.** see Kapfer I. 2101
- Taylor R. J. K.** see Wei X. 4209
- Taylor S. D. Dinaut A. N.**  
Thadani A. N. and Huang Z.  
Synthesis of benzylic  
mono( $\alpha,\alpha$ -difluoromethyl)phos-  
phonates and benzylic  
bis( $\alpha,\alpha$ -difluoromethyl)phos-  
phonates via electrophilic  
fluorination 8089
- Taylor S. J. C.** see Palmer C. F. 4601
- Tchertanov L.** see  
Mazaleyrat J.-P. 2971
- Teague S. J.**  
Facile synthesis of a  $\sigma$ -  
nitrobenzyl photolabile linker  
for combinatorial chemistry 5751
- Tebben A. J.** see Butcher J. W. 6685
- Tedrow J. S.** see Evans D. A. 7481
- Tehim A.** see Hanessian S. 9001
- Tellew J. E.** see  
Armstrong R. W. 447
- Temnikov D. V.** see  
Fissuk A. S. 5203
- Tempest P. A.** see  
Strocker A. M. 1149
- Tepperman P. M.** see  
Butler D. N. 2825
- Terada E.** see Oi S. 6351
- Terada Y.** see Konishi H. 8791
- Teraguchi M.** see Kotsuki H. 3727
- Terakawa E.** see Okazaki T. 1035
- Teramoto J.** see Takagi Y. 4991
- Teranishi K. Hisamatsu M.**  
and Yamada T.  
Studies on the mechanism of  
chemiluminescence: synthesis  
and chemiluminescent  
properties of the 5-  
hydroperoxide analogue of  
coelenterate luciferin 8425
- Terao J. Kambe N.** and  
Sonoda N.  
Tellurium-zinc exchange  
reaction. A new preparative  
method of alkenyl-zinc  
reagents 4741
- Terasawa K.** see Satake M. 5955
- Terashima R.** see Kawasaki T. 7525
- Terashima S.** see Katoh T. 3471
- Terashima S.** see Katoh T. 3479
- Terashima S.** see Ueki Y. 5719
- Terashima S.** see Yoshino T. 3475
- Terme T.** see Vanelle P. 3323
- Terrier C.** see Grigg R. 4221
- Terry M.** see Zhu G. 4475
- Terzis A.** see Nicolaides D. N. 1097
- Teshima K.** see Ushigoe Y. 2093
- Teutsch G.** see Goubet F. 7727
- Thadani A. N.** see Taylor S. D. 8089
- Thal C.** see Guillou C. 4515
- Thamattoor D. M. Jones, Jr M.**  
Pan W. and Shevlin P. B.  
Cyclopropylmethylcarbene 8333
- Than C.** see Saljoughian M. 2923
- Thatcher G. R. J.** see Gorin B. I. 4647
- Thayumanavan S. Beak P.**  
and Curran D. P.  
Asymmetric deprotonation of  
*N,N*-dihexyl-1-naphthamides  
to provide atropisomers of  
*N,N*-dihexyl-2-alkyl-1-  
naphthamides 2899
- Theberge C. R.** see  
Cebula R. E. J. 8341
- Thebtaranonth C.** see  
Jaivisuthunza W. 3199
- Thebtaranonth Y.** see  
Jaivisuthunza W. 3199
- Thee K. K.** see Poh B.-L. 7433
- Thee K. K.** see Poh B.-L. 8451
- Théodore N.** see Ourtoule J.-C. 4697
- Thibodeaux S.** see  
Sánchez Peña M. 5841
- Thibonnet J. Abarbri M.**  
Parraín J.-L. and  
Duchêne A.  
Tributylstannyl 4-  
tributylstannylbut-3-enoate: a  
useful C-4 homologating  
agent. Application to the  
synthesis of aryl iodolactones 7507
- Thiel M.** see Bojack G. 6103
- Thiel M.** see Künzer H. 1771
- Thomas R. C.** see Brough P. A. 2915
- Thomas R. J.** see Ghiron C. 3891
- Thompson C. M. and Lin J.**  
Synthesis of P-chiral,  
phosphorothioic acid analogs  
of N-phospholeucinamide 8979
- Thompson S. P.** see  
Beddoes R. L. 9119
- Thorat T. S.** see Yadav G. D. 5405
- Thorimbert S. and Malacria M.**  
Unusual reactivity of acetate  
versus carbonate in  
palladium-catalyzed  
nucleophilic substitutions: a  
strong silicon effect 8483
- Thornton L. C.** see  
Herrick R. S. 5289
- Thum O. Chen J. and**  
Prestwich G. D.  
Synthesis of a photoaffinity

- analogue of phosphatidyl-inositol 3,4-bisphosphate, an effector in the phosphoinositide 3-kinase signaling pathway 9017
- Thummel R. P.** see Shi Z. 2357
- Thuring J. W. J. F.**
- Klunder A. J. H.**
- Nefkens G. H. L.**
- Wegman M. A. and Zwanenburg B.**
- Lipase catalyzed dynamic kinetic resolution of some 5-hydroxy-2(5*H*)-furanones 4759
- Thyrrann T. and Lightner D. A.**
- Oxidation of pyrrole  $\alpha$ -methyl to methoxymethyl with ceric triflate 315
- Tian S. Forgo P. and D'Souza V. T.**
- Selective modification at the 3-position of  $\beta$ -cyclodextrin 8309
- Tian W.** see Zhu Z. 8553
- Tiekink E. R. T.** see Warrener R. N. 2161
- Tiekink E. R. T.** see Warrener R. N. 3773
- Tikhonov A. Ya.** see Khlestkin V. K. 5997
- Tilbrook D. M. G.** see Giles R. G. F. 7851
- Tilley J. W.** see Di Grandi M. J. 8261
- Tilley J. W.** see Di Grandi M. J. 4327
- Timberlake J. W.** see Jursic B. S. 6473
- Timofeev E. N. Smirnov I. P.**
- Haff L. A. Tishchenko E. I.**
- Mirzabekov A. D. and Florentiev V. L.**
- Methidium intercalator inserted into synthetic oligonucleotides 8467
- Ting A. Y.** see Corey E. J. 1735
- Tishchenko E. I.** see Timofeev E. N. 8467
- Tishkov V. I.** see Seelbach K. 1377
- Tjarks W. Ghaneolhosseini H.**
- Henssen C. L. A.**
- Malmlquist J. and Sjöberg S.**
- Synthesis of para- and *nido*-carboranyl phenanthridinium compounds for neutron capture therapy 6905
- Tjepkema M. W.** see Wong T. 755
- Tobe Y. Utsumi N.**
- Kawabata K. and Naemura K.**
- Synthesis and self-association properties of diethynylbenzene macrocycles 9325
- Todd L. J.** see Grieco P. A. 8707
- Toepfer A.** see Eisele T. 1389
- Togo H. Hoshina Y. and Yokoyama M.**
- Cyclic amination onto aromatic ring of sulfonamides
- with (diacetoxiodo)-arenes: effect of sulfonyl group 6129
- Togo H.** see Muraki T. 2441
- Toida T.** see Konda Y. 4015
- Töke L.** see Mikló K. 3491
- Tokitoh N. Ito M. and Okazaki R.**
- Formation and reactions of a thioxoborane, a novel boron–sulfur double-bond compound 5145
- Tokitoh N.** see Saiki T. 4039
- Tokuda H.** see Iida A. 9219
- Tokumasu M.** see Ohta S. 7765
- Tokunaga K. Ohga Y. and Takeuchi K.**
- Solvolysis of 2-thioxo bridgehead compounds as compared with their 2-oxo homologs: evidence for marked  $\pi$ -conjugation in 2-thioxo carbocation 2241
- Tokunaga K.** see Takeuchi K. 8185
- Tokunaga Y. Ihara M. and Fukumoto K.**
- 1,3-Dipolar cycloaddition of 1-carboxytrione: different stereoselectivity caused by salt effect 6157
- Tokunoh R. Tomiyama H.**
- Sodeoka M. and Shibasaki M.**
- Catalytic asymmetric intramolecular cyclopropanation of enol silyl ether. Synthesis of the phorbol CD-ring skeleton 2449
- Toledo M. A.** see Carreño M. C. 4081
- Tolstaya T. P.** see Burnagin N. A. 897
- Tolvanen A.** see Louasmaa M. 1513
- Tomas A.** see Boucher J.-L. 3113
- Tomé F.** see Caballero E. 6951
- Tomioka K.** see Iida A. 9219
- Tomioka K.** see Nakagawa Y. 7805
- Tomiyama H.** see Tokunoh R. 2449
- Tomooka K. Nagasawa A.**
- Wei S.-Y. and Nakai T.**
- Chiral dienolate chemistry in remote asymmetric induction: the allylation/Cope rearrangement sequence leading to  $\gamma$ -chiral  $\alpha,\beta$ -unsaturated acid derivatives 8895
- Tomooka K. Nagasawa A.**
- Wei S.-Y. and Nakai T.**
- Chiral dienolate chemistry in remote asymmetric induction: the asymmetric aldol/oxy-Cope strategy for asymmetric synthesis of  $\gamma,\delta$ -dichiral  $\alpha,\beta$ -unsaturated acid derivatives 8899
- Tonellato U.** see Carofiglio T. 8019
- Tong C.** see Kuramoto M. 3867
- Toogood P. L.** see Kim H. Y. 2349
- Toplis D.** see Crombie L. 9255
- Tor Y.** see Tzalis D. 8293
- Tordo P.** see Mattalia J.-M. 4717
- Torii S.** see Tanaka H. 5967
- Torreens H.** see Garcia J. J. 6097
- Torres J. L.** see Clapés P. 417
- Tortato C.** see Riego J. M. 513
- Tortolani D. R. and Biller S. A.**
- A solid-phase synthesis of miconazole analogs via an iodoetherification reaction 5687
- Tortorella P.** see Cardelluccio C. 6017
- Toshima H. Furumoto Y.**
- Inamura S. and Ichihara A.**
- Synthesis of spiroacetal enol ethers via intramolecular conjugate addition of hemiacetal alkoxides to alkynes 5707
- Toshima H.** see Nara S. 6745
- Toshima K. Jyojima T.**
- Yamaguchi H. Murase H.**
- Yoshida T. Matsumura S. and Nakata M.**
- Total synthesis of baflomycin A<sub>1</sub>—I. Syntheses of the C<sub>5</sub>–C<sub>11</sub>, C<sub>12</sub>–C<sub>17</sub> and C<sub>18</sub>–C<sub>25</sub> segments 1069
- Toshima K. Yamaguchi H.**
- Jyojima T. Noguchi Y.**
- Nakata M. and Matsumura S.**
- Total synthesis of baflomycin A<sub>1</sub>—II. The assemblage and completion of the synthesis 1073
- Toupet L.** see Dambrin V. 6323
- Toupet L.** see Hercouet A. 4529
- Toupet L.** see Pellion P. 4713
- Tourwé D.** see Devadher S. 703
- Townsend L. B.** see Gudmundsson K. S. 2365
- Townsend L. B.** see Gudmundsson K. S. 6275
- Townsend L. B.** see Liu W. 5325
- Townsend L. B.** see Zhu Z. 1937
- Townsend L. B.** see Zhu Z. 3263
- Toyoda K.** see Takakura H. 4043
- Toyonari M.** see Ochiai M. 8421
- Toyota A. Ono Y. Kaneko C. and Hayakawa I.**
- A novel stereoselective synthesis of *cis*-2-fluorocyclopropane-1-carboxylic acid 8507
- Toyota K.** see Yoshihiji M. 7815
- Toyota M. Asoh T. and Fukumoto K.**

- Palladium catalyzed reductive cyclization reaction in alkaloid synthesis—an enantioselective total synthetic route to (+)-pumiliotoxin C 4401
- Toyota M.** **Yoshida T.** **Kan Y.** **Takaoka S.** and **Asakawa Y.** (+)-Cavicularin: a novel optically active cyclic bibenzyl-dihydrophenanthrene derivative from the liverwort *Cavicularia densa* Steph. 4745
- Trécourt F.** see Mongin F. 6695
- Troganis A.** see Gerohanassis I. P. 6569
- Trogolo C.** see D'Annibale A. 7429
- Troin Y.** see Ibrahim-Ouali M. 37
- Troin Y.** see Ripoche I. 3991
- Troisi L.** see Florio S. 4777
- Troll T.** see Riebel P. 1583
- Troll T.** see Riebel P. 1587
- Tromiczak E. G.** see Fields S. C. 1967
- Tronche C.** **Martinez F. N.** **Horner J. H.** **Newcomb M.** **Senn M.** and **Giese B.** Polar substituent and solvent effects on the kinetics of radical reactions with thiols 5845
- Trost B. M.** and **Cook G. R.** An asymmetric synthesis (-)-epibatidine 7485
- Trost B. M.** and **Harms A. E.** Iterative Pd catalyzed additions for a synthesis of methyl 7,8,11,12-tetrahydroretinoate 3971
- Trost B. M.** and **Lemoine R. C.** An asymmetric synthesis of vigabatrin 9161
- Trotter J.** see Borecka B. 2121
- Trotter J.** see Fu T. Y. 2125
- Trotter J.** see Gamlin J. N. 6037
- Truong A.** see Howell A. R. 8651
- Truumees I.** see Chu M. 3943
- Truumees I.** see Chu M. 7229
- Try A. C.** see Crossley M. J. 6807
- Tsai H.-J.** Synthesis of phenyl substituted fluoro-olefins 629
- Tsai S.-H.** see Wu H.-J. 8209
- Tsai W.-J.** see Shu C.-F. 7055
- Tsai Y.-M.** **Tang K.-H.** and **Jiaang W.-T.** Group transfer from silicon to carbon via tandem radical cyclizations of acylsilanes 7767
- Tsao M.-L.** see Liu K.-T. 4173
- Tsay S.-C.** see Hwu J. R. 2035
- Tschaen D. M.** see Devine P. N. 2683
- Tsibouklis J.** see Barbu E. 5023
- Tso H.-H.** and **Chandrasekharan M.** Generation of isothiazole analogues of *o*-quino-dimethane from isothiazolo-3-sulfolenes 4189
- Tso T. S. C.** **Wan T. S. M.** **Zhang H.-W.** **Kwong K.-P.** **Wong T.** **Shinohara H.** and **Inakuma M.** Solid phase extraction as a simple method for the enrichment of endohedral metallofullerenes 9249
- Tsou N. N.** see Kende A. S. 6295
- Tsuda K.** see Saito T. 209
- Tsuda K.** see Saito T. 9071
- Tsuda M.** see Kobayashi J. 6775
- Tsuda M.** see Kobayashi J. 8203
- Tsuge N.** see Hayakawa Y. 6363
- Tsugeno A.** see Takeuchi K. 8185
- Tsuji H.** see Kitayama K. 4169
- Tsuji J.** see Uenishi J. 6759
- Tsuji M.** see Ohwada T. 2609
- Tsujiimoto M.** see Yasui S. 1625
- Tsukahara K.** **Kaneko J.** **Miyaji T.** and **Abe K.** Charge-transfer interaction between bipyridinium and naphthyl groups of optically active viologens in an aqueous solution 3149
- Tsukamoto S.** **Kato H.** **Hirota H.** and **Fusetani N.** Pseudoceratidine: a new antifouling spermidine derivative from the marine sponge *Pseudoceratina purpurea* 1439
- Tsukamoto S.** **Kato H.** **Hirota H.** and **Fusetani N.** Stellettadine A: a new acylated bisguanidium alkaloid which induces larval metamorphosis in ascidians from a marine sponge *Stelletta* sp. 5555
- Tsukube H.** see Takagi Y. 4991
- Tskurimichi E.** see Morita H. 3739
- Tsunoda T.** **Nagino C.** **Oguri M.** and **Itô S.** Mitsunobu-type alkylation with active methine compounds 2459
- Tsunoda T.** **Ozaki F.** **Shirakata N.** **Tamaoka Y.** **Yamamoto H.** and **Itô S.** Formation of heterocycles by the Mitsunobu reaction. Stereoselective synthesis of (+)- $\alpha$ -skyttanine 2463
- Tsunoda T.** **Yamamoto H.** **Goda K.** and **Itô S.** Mitsunobu-type alkylation of *p*-toluenesulfonamide. A convenient new route to primary and secondary amines 2457
- Tsunoi S.** **Ryu I.** **Muraoka H.** **Tanaka M.** **Komatsu M.** and **Sonoda N.** Stannyliformylation of vinylcyclopropanes accompanied by radical ring-opening 6729
- Tsuruoka H.** **Shohda K.** **Wada T.** and **Sekine M.** Synthesis and structural and thermodynamic properties of oligonucleotides containing 2'-O-phosphorylated ribonucleosides 6741
- Tsurushima T.** see Inoue M. 5731
- Tsurushima T.** see Inoue M. 8823
- Tsuruta H.** see Imamoto T. 503
- Tsuru O.** see Izumi M. 1809
- Tsutsui T.** see Kiyooka S. 8903
- Tu S.-C.** see Mager H. I. X. 7885
- Tuba Z.** see Skoda-Földes R. 2085
- Tucker L. M.** see Flisak J. R. 4639
- Tucker T. T.** see Harwood L. M. 4217
- Tuinman R. J.** see Koreeda M. 8267
- Tulinsky A.** see Maryanoff B. E. 3667
- Tumkevicius S.** see Edstrom E. D. 759
- Tundo A.** see Nanni D. 9337
- Turek P.** see Ulrich G. 8755
- Turek T. C.** **Gaon I.** and **Distefano M. D.** Analogs of farnesyl pyrophosphate incorporating internal benzoylbenzoate esters: synthesis, inhibition kinetics and photoactivation of yeast protein farnesytransferase 4845
- Turek T. C.** see Gaon I. 8833
- Turnbull K.** see Krein D. M. 7213
- Turner N. J.** see Maddrell S. J. 6001
- Turner N. J.** see Stock H. T. 6575
- Turro N. J.** see Kaprinidis N. A. 2373
- Turro N. J.** see Zhang Z. 4861
- Tuynman A.** see Louwrier S. 905
- Tveresovsky V.** see Al Dulayymi J. R. 8933
- Tworkowski I.** see Escudier J.-M. 4689
- Tyvorskii V.** see Kulinkovich O. 1095
- Tzalis D.** and **Tor Y.** Toward self-assembling dendrimers: metal complexation induces the assembly of hyperbranched structures 8293

- Tzeng C.-C.** see Wang T.-C. 6369
- Uchida R.** see Shiom K. 1265
- Uchihara Y.** see Murashima T. 3133
- Uchino H.** see Jiao Y. 1039
- Ueda I.** see Hatanaka M. 89
- Ueda I.** see Hatanaka M. 401
- Ueda I.** see Islam Md. S. 5735
- Ueda T.** see Houkawa T. 1045
- Ueda T.** see Takai K. 7049
- Uehara F.** see Sato M. 633
- Uehara Y.** see Hori H. 2785
- Ueki M., Tachibana J., Ishii Y., Okumura J.** and Goto M. *N,N'-Dialkyldiamine-type phosphate protecting groups for Fmoc synthesis of phosphotyrosine-containing peptides* 4953
- Ueki Y., Itoh M., Katoh T.** and Terashima S. Synthesis of various model compounds for the central tricyclic ring system of popolophuanone E 5719
- Uemura D.** see Chou T. 3871
- Uemura D.** see Chou T. 4023
- Uemura D.** see Chou T. 4027
- Uemura D.** see Kuramoto M. 3867
- Uemura D.** see Wang G.-Y.-S. 1813
- Uemura M.** see Kamikawa K. 6359
- Uemura M.** see Kaneta N. 5385
- Uenishi J., Kawahama R., Shiga Y., Yonemitsu O.** and Tsuji J. A general and convenient synthetic method of geometrically pure (*Z*)-1-bromo-1-alkenes 6759
- Ueno F.** see Hatanaka M. 89
- Ueno M.** see Ueyhara T. 7295
- Ueno T.** see Inoue M. 5731
- Ueno T.** see Inoue M. 8823
- Ueoka R., Matsumoto Y., Goto K., Ito T., Mori S., Matsumoto Y., Sakoguchi A., Ihara Y.** and Hirata F. A remarkably enhanced diastereoselectivity for the hydrolysis of dipeptide esters responding to pH and temperature in buffer solutions 3461
- Ughetto-Monfrin J.** see Kreimeyer A. 8739
- Uguen D.** see Adjé N. 5893
- Uguen D.** see Domon L. 2773
- Uguen D.** see Houille O. 625
- Uguen D.** see Schmittberger T. 29
- Uh K. H.** see Kim S. 3865
- Uhländer C.** see Klärner F.-G. 1385
- Ujihara K.** and Shirahama H. Total synthesis of (+)-eurylene 2039
- Ujjainwalla F.** see Magnus P. 6639
- Ulrich G., Turek P.** and Ziessel R. Nitroxo spin-labelled calix[4]arene podands and cryptands: allosteric regulation of spin–spin exchange interaction 8755
- Ulrich P.** see Zhang X. 4667
- Uma R.** see Mehta G. 1897
- Umani-Ronchi A.** see Cozzi P. G. 1691
- Umani-Ronchi A.** see Cozzi P. G. 4613
- Undén A.** see Kaljuste K. 3031
- Undén A.** see Karlström A. 4243
- Underhill A. E.** see Noh D.-Y. 7603
- Undheim K.** see Mangalajiu I. 1309
- Unelius C. R., Eiras A., Witzgall P., Bengtsson M., Kovaleski A., Vilela E. F.** and Borg-Karlsson A.-K. Identification and synthesis of the sex pheromone of *Phtheochroa cranaodes* (Lepidoptera: Tortricidae) 1505
- Unevama K., Yan F., Hirama S.** and Katagiri T. Tandem alkylation–defluorination reaction: synthesis of 2-(*N*-alkyl-*N*-aryl)amino-3,3-difluoropropenoates from 2-(*N*-aryl)imino-3,3,3-trifluoropropanoates 2045
- Ung A. T.** and Pyne S. G. Synthesis of fluorescent and biotinylated analogues of (*1R,2S,3R*)-2-acetyl-4(5)-(1,2,3,4-tetrahydroxybutyl)-imidazole 6209
- Ungur N., Gavagnin M.** and Cimino G. Synthesis of diastereoisomeric *ent*-isocopalic acid glycerides 3549
- Uno H.** see Murashima T. 3133
- Uno H.** see Murashima T. 8391
- Uno M.** see Ohta S. 2265
- Uno M.** see Ohta S. 7765
- Unverzagt C.** see Seifert J. 6527
- Uozumi Y.** see Hayashi T. 4969
- Uozumi Y.** see Kamikawa T. 3161
- Uozumi Y.** see Kitayama K. 4169
- Upson R. H.** see Gee K. R. 7905
- Upton R. J.** see Lane S. J. 1
- Urabe H., Takeda T.** and Sato F. Intramolecular cyclization of conjugated diene and acetylene with ( $\eta^2$ -propene)Ti(O-i-Pr)<sub>2</sub>. Generation and reaction of titanabicycles having an allyltitanium moiety 1253
- Urakami M.** see Yagisawa S. 7557
- Uramoto M.** see Hori H. 2785
- Urata H.** and Akagi M. Sequence dependence of thermodynamic stability of heterochiral DNA 5551
- Urbain N.** see Raussou S. 1599
- Urbano A.** see Bartolomé J. M. 3187
- Urbano A.** see Carreño M. C. 4081
- Urch C. J.** see Grigg R. 695
- Urizzi P., Souchard J.-P.** and Nepveu F. EDTA and DTPA analogues of dipalmitoylphosphatidylethanolamine as lipophilic chelating agents for metal labeling of LDL 4685
- Urones J. G., Jorge A., Marcos I. S., Basabe P., Díez D., Garrido N. M., Lithgow A. M.** da Fonseca Mº O. C. F. and Rodilla J. M. L. I<sub>2</sub> Rearrangement reaction: synthesis of isofregenedane type diterpenoids 1659
- Urpí F.** see González Á. 8949
- Ushigoe Y., Kawamura S., Teshima K., Nojima M., McCullough K. J.** Transformation of 1-alkyl-substituted indene ozonides and the corresponding solvent-derived ozonolysis products to tricyclic peroxides: isolation and characterization of novel hexoxecane derivatives 2093
- Ushio-Sata N., Matsunaga S., Fusetani N., Honda K.** and Yasumuro K. Penaramides, which inhibit binding of  $\omega$ -conotoxin GVIA to N-type Ca<sup>2+</sup> channels, from the marine sponge *Penares aff. incrustans* 225
- Utepbergenov D. I.** see Khlestkin V. K. 5997
- Utsumi N.** see Tobe Y. 9325
- Uvarova N. I.** see Denisenko M. V. 5187
- Ueyhara T., Murayama T., Sakai K., Ueno M.** and Sato T. Formal substitution at both bridgeheads of a bicyclo-[2.2.2]oct-5-en-2-one and its application to a synthesis of ( $\pm$ )-modhephene 7295
- Uzan R.** see Glacon V. 3683
- Uzan R.** see Marek D. 49
- Uzawa J.** see Kimura Y. 4961
- Uzawa J.** see Koshino H. 4549
- Uzawa J.** see Mimaki Y. 1245
- Uzu A.** see Itoh T. 91
- Vadon S.** see Boucher J.-L. 3113
- Vaghefi M. M.** and Langley K. A. Stereocontrolled synthesis of nucleoside–methylphosphonat

- e-methyl ester diastereomers from mixed anhydride 4853  
**Vajda K. E.** see Schwan A. L. 2345  
**Vakka C.** see Gerothanassis I. P. 6569  
**Valacchi M.** see Mordini A. 5209  
**Valasinas A.** see Kogan M. 763  
**Valente E. J.** see McMills M. C. 7205  
**Valerio R. M., Bray A. M. and Patsiouras H.**  
 Multipin solid phase synthesis of ethers using modified Mitsunobu chemistry 3019  
**Valero M.-L., Giralt E. and Andreu D.**  
 Solid phase-mediated cyclization of head-to-tail peptides: problems associated with side chain anchoring 4229  
**Valéry J.-M.** see Czernecki S. 4003  
**Valéry J.-M.** see Czernecki S. 8857  
**Valrübera A.** see Gálvez N. 6197  
**Valverde I.** see Clapés P. 417  
**Valverde S., Gómez A. M., López J. C. and Herradon B.**  
 Template directed cyclo-glycosylation: effect of the anchoring sites of the spacer and temperature in the regio- and stereo-selectivity of the glycosylation 1105  
**Van Arman S. A.** see Sclafani J. A. 2193  
**Van Arnun S. D., Ramig K., Stepsus N. A., Dong Y. and Outten R. A.**  
 Preparation of 2-styrylthiazoles from 2-methylthiazoles: an improved procedure and mechanistic aspects 8659  
**Van Arnun S. D.** see Ramig K. 443  
**Van Beek J.** see Bartoli G. 2293  
**van Beek T. A.** see Griepink F. C. 411  
**Van Binst G.** see Devadader S. 703  
**van Boom J. H.** see van der Laan A. C. 7857  
**van Boom J. H.** see van Straten N. C. R. 3599  
**Vanderhoff-Hanaver P.** see Maryanoff B. E. 3667  
**van der Laan A. C., Strömberg R., van Boom J. H., Kuyl-Yeheskiely E., Efimov V. A. and Chakhmakhcheva O. G.**  
 An approach towards the synthesis of oligomers containing a N-2-hydroxyethyl-aminomethylphosphonate backbone: a novel PNA analogue 7857  
**van der Marel G. A.** see van Straten N. C. R. 3599  
**van der Merwe T. L.** see Holzapfel C. W. 2303  
**van der Merwe T. L.** see Holzapfel C. W. 2307  
**Van Derveer D.** see Bu X. R. 7331  
**Vander Velde D. G.** see Fenoglio I. 3203  
**Vandewalle M.** see Chen Y.-J. 9361  
**Vandewalle M.** see Zhou S.-Z. 7637  
**Vanelle P., Donini S., Terme T., Maidonado J., Roubaud C. and Crozet M. P.**  
 First bis-S<sub>PIN</sub>1 in naphtho-quinone series 3323  
**van Hummel G. J.** see Boerrigter H. 5167  
**van Lier J. E.** see Sharman W. M. 5831  
**van Maarseveen J. H., den Hartog J. A. J., Engelen V., Finner E., Visser G. and Kruse C. G.**  
 Solid phase ring-closing metathesis: cyclization/cleavage approach towards a seven membered cycloolefin 8249  
**Van Ornum S. G. and Cook J. M.**  
 Generation of four five-membered rings in a one pot process. Studies directed toward the synthesis of dicyclopental[*a*,*d*]pentalene via the tandem Pauson-Khand reaction 7185  
**Vanotti E.** see Pincioli V. 9365  
**Van Plew D.** see Jiang Q. 797  
**van Straten N. C. R., van der Marel G. A. and van Boom J. H.**  
 An expeditious route to the synthesis of adenophostin A 3599  
**Van Vranken D. L.** see Carter D. S. 5629  
**Vanwetswinkel S., Carlier V., Marchand-Brynaert J. and Fastrez J.**  
 Solvolysis of the methoxy-methyl protecting group in penicillin derivatives 2761  
**Vaquer J.** see Soderquist J. A. 2561  
**Vaquero J. J.** see Ezquerra J. 683  
**Vaquero J. J.** see Ezquerra J. 5813  
**Vaquero J. J.** see Minguez J. M. 4263  
**Vaquero J. J.** see Vega J. A. 6413  
**Varaprasad C. V., Bulychev N., Grollman A. P. and Johnson F.**  
 Synthesis of 8-oxo-7,8-dihydro-6-O-methyl-2'-deoxyguanosine and its use as a probe to study DNA-base excision by MutY enzyme 9  
**Varese M.** see Appendino G. 727  
**Varese M.** see Appendino G. 7837  
**Varvel G.** see Faug A. H. 1917  
**Varvoglis A.** see Papoutsis I. 913  
**Varvounis G.** see Gerothanassis I. P. 3191  
**Vasella A.** see Ernst A. 7959  
**Vasquez A.** see Smith D. B. 21  
**Vasquez L. D.** see Flores V. 8633  
**Vasseur J.-J.** see Peyrottes S. 5869  
**Vassilev V. P.** see Shibata K. 2791  
**Vassilikogiannakis G. and Orfanopoulos M.**  
 Remote  $\epsilon$ -secondary isotope effect in the reaction of tetracyanoethylene with 2,5-dimethyl-2,4-hexadiene. A step-wise mechanism 3075  
**Vatèle J.-M.** see Surivet J.-P. 371  
**Vatèle J.-M.** see Surivet J.-P. 4373  
**Vatlina L. P.** see Samoshin V. V. 3981  
**Vaultier M.** see Ameline G. 8175  
**Vaultier M.** see Garnier L. 6699  
**Vázquez A.** see Méndez J. M. 4099  
**Vázquez S.** see Camps P. 8601  
**Vázquez S.** see Camps P. 8605  
**Vecchi D.** see Chatgilialoglu C. 6383  
**Vega J. A., Cueto S., Ramos A., Vaquero J. J., García-Navío J. L., Alvarez-Builla J. and Ezquerra J.**  
 A microwave synthesis of the *cis* and *trans* isomers of 3-hydroxy-2-(4-methoxyphenyl)-2,3-dihydro-1,5-benzothia-zeplin-4(5*H*)-one: the influence of solvent and power output on the diastereoselectivity 6413  
**Velázquez S. M.** see Hernández R. 6409  
**Velmathi S.** see Ramadas K. 7665  
**Velu S. E.** see Dieter R. K. 2377  
**Vemishetti P.** see Silverberg L. J. 771  
**Vencato I.** see de Oliveira C. M. A. 6427  
**Venkataratnam R. V.** see Chandra Sheker Reddy A. 2829  
**Venkataratnam R. V.** see Chandra Sheker Reddy A. 2845  
**Venkateswara Rao B., Kumar V. S., Nagarajan M., Sitaramaiah D.** and

- Rama Rao A. V.**  
First synthesis of optically active azamacrolides 8613
- Venkateswara Rao B.** see Gurjar M. K. 8617
- Venkatraman G. Harrison L. J. and Sim K.-Y.**  
Use of selective INEPT spectroscopy in the structural elucidation of a xanthonolignoid 2643
- Venkatraman M. S.** see Chavan S. P. 5027
- Venkatraman M. S.** see Chavan S. P. 2857
- Venkatraman S.** see Wipf P. 4659
- Vennall G. P.** see Aggarwal V. K. 3745
- Vepsäläinen J. Nuppenen H. and Pohjala E.**  
Bisphosphonic compounds—VIII. A facile and selective one-pot synthesis of P,P-dialkyl(dichloromethylene)bisp phosphonate partial esters 3533
- Verbicky C. A.** see Cebula R. E. J. 8341
- Verbiest J. F.** see Freté X. C. 2959
- Verboom W.** see Boerrigter H. 5167
- Vercauteren J.** see Castagnino C. 7739
- Vercauteren J.** see Comte G. 2955
- Vercauteren J.** see Freté X. C. 2959
- Vercauteren J.** see Ourtoule J.-C. 4697
- Verentchikov A. N.** see Polushin N. N. 3227
- Verheyden P.** see Devadder S. 703
- Verhoeven T. R.** see Cai D. 2537
- Verhoeven T. R.** see Davies I. W. 813
- Verhoeven T. R.** see Davies I. W. 1725
- Verhoeven T. R.** see Senanayake C. H. 3271
- Veronese F. M.** see Bonora G. M. 4761
- Vetelino M. G.** see Coe J. W. 6045
- Viallefond P.** see Hua T. D. 175
- Viaud M.-C. Jamoneau P. Savelon L. and Guillaumet G.**  
Substituted oxazolo[4,5-*b*]pyridin-2(3*H*)-ones: functionalization at 6-position 2409
- Viazzo P. Alphand V. and Furtooss R.**  
Microbiological transformations—XXXIV. Enantioselective hydrolysis of a key lactone involved in the synthesis of the antidepressant Milnacipran® 4519
- Vicens J.** see Asfari Z. 3325
- Vicens J.** see Pulpoka B. 6315
- Vicens J.** see Pulpoka B. 8747
- Vicente M. G. H.**  
Neves M. G. P. M. S.  
Cavaleiro J. A. S.  
Hombrecher H. K. and Koll D.  
Electrochemical and spectroscopic properties of Cu(II)  $\beta$ -nitro meso-tetra(pentafluorophenyl)porphyrins 261
- Vicente M. G. H.** see Cavaleiro J. A. S. 1893
- Vicente M. G. H.** see Faustino M. A. F. 3569
- Vidal A.** see Alajarín M. 8945
- Vidal B.** see Bennasar M.-L. 3541
- Vidari G.** see Garlaschelli L. 6223
- Viehe H. G.** see Laduron F. 5515
- Vilaplana M. J.** see Molina P. 7829
- Vilardo J. S.** see Rosenberg R. E. 2185
- Villarrasa J.** see Farràs J. 901
- Villarrasa J.** see González A. 8949
- Vilela E. F.** see Unelius C. R. 1505
- Villa M.-J.** see Collado M. I. 6193
- Villa M.-J.** see Manteca I. 7841
- Villani A. J.** see Flisak J. R. 4639
- Villemin D. and Liao L.**  
One-pot three steps synthesis of cerpegin 8733
- Villiéras J.** see Dambrin V. 6323
- Villiéras M.** see Dambrin V. 6323
- Vincensi M. R.** see Napolitano A. 6799
- Viossat B.** see Boucher J.-L. 3113
- Virgilio A. A. Schürer S. C. and Ellman J. A.**  
Expedient solid-phase synthesis of putative  $\beta$ -turn mimetics incorporating the *i* + 1, *i* + 2, and *i* + 3 sidechains 6961
- Viso A.** see Fernández de la Pradilla R. 6793
- Viso A.** see Marino J. P. 8031
- Visser G.** see van Maarseveen J. H. 8249
- Visser J. H.** see Griepink F. C. 411
- Viswajanani R.** see Srikrishna A. 1683
- Viswajanani R.** see Srikrishna A. 2863
- Vita-Finzi P.** see Garlaschelli L. 6223
- Vítěk J.** see Fajgar R. 3391
- Vitt S.** see Orlíkov A. 3363
- Vittal J. J.** see Cory R. M. 1983
- Vittal T. V. S. K.** see Rama Rao A. V. 3023
- Vivas N. Glories Y. Pianet I. Barbe B. and Laguerre M.**  
A complete structural and conformational investigation of procyanidin A2 dimer 2015
- Viveros O. H.** see Spaltenstein A. 1343
- Vlasova O. G.** see Rakitin O. A. 4589
- Vlietinck A.** see Cimanga K. 1703
- Vlietinck A.** see Cimanga K. 3217
- Voelter W.** see Al-Abed Y. 8641
- Voelter W.** see Kaiser T. 1187
- Voerman S.** see Griepink F. C. 411
- Vogel P.** see Baudat A. 483
- Vogel P.** see Frérot E. 2023
- Vogel P.** see Marchionni C. 4149
- Vogel P.** see Montalbetti C. 2225
- Vogeleisen F.** see Adjé N. 5893
- Vogeleisen F.** see Domon L. 2773
- Voivodov K. I. Ching J. and Hutchens T. W.**  
Surface arrays of energy absorbing polymers enabling covalent attachment of biomolecules for subsequent laser-induced uncoupling/desorption 5669
- Volante R. P.** see Rossen K. 6843
- Volante R. P.** see Wells K. M. 6439
- Volcho K. P. Korchagina D. V. Salakhutdinov N. F. and Barkhash V. A.**  
Double heterocyclization in the reaction of unconjugated dienes and hydroxyolefins with salicylaldehyde on the askanite–bentonite clay 6181
- Vollmann K.** see Schmitt M. 999
- Volodarsky L. B.** see Khlestkin V. K. 5997
- Vol'pin M.** see Akhrem I. 5775
- Vol'pin M.** see Orlíkov A. 3363
- Vonarx V.** see Poignant G. 7511
- von Itzstein M.** see Kiefel M. J. 7307
- von Krosigk U.** see Matteucci M. D. 5057
- Vonwiller S. C.** see Haynes R. K. 253
- Vonwiller S. C.** see Haynes R. K. 257
- Verbrüggen H.** see Klar U. 7497
- Verontsov M. A.** see Fissiyuk A. S. 5203
- Vu B. T.** see Jung M. E. 451
- Vuikhorgne M.** see Bourzat J.-D. 6327
- Vuligonda V. Lin Y. and Chandraratna R. A. S.**  
Selective conversion of  $\alpha$ -

- tetralones to dihydronaphthalenes 1941  
**Vyas D.** see Kant J. 6495  
**Vyas D. M.** see Mastalerz H. 8683  
**Vyas D. M.** see Mastalerz H. 8687
- Wada F.** see Ogino T. 7065  
**Wada T.** see Kawahara S. 509  
**Wada T.** see Tsuruoka H. 6741  
**Wada T.** see Zhang Y. 5909  
**Waddell S. T.** and  
**Santorelli G. M.**  
Mild preparation of cephalosporin allyl and *p*-methoxybenzyl esters using diazoalkanes 1971  
**Wadouachi A.** see Marek D. 49  
**Waechter A.-I.** see Duret P. 7043  
**Waegell B.** see Chauvet F. 3695  
**Waegell B.** see Coudret J. L. 2425  
**Wagner B.** **Beugelmans R.** and Zhu J.  
Synthesis of hapalosin and 8-deoxy-hapalosin 6557  
**Wahl F.** and **Mutter M.**  
Analogues of oxytocin with an oxime bridge using chemoselectively addressable building blocks 6861  
**Wai J. S.** see Butcher J. W. 6685  
**Waid P. P.** **Flynn G. A.**  
**Huber E. W.** and **Sabol J. S.**  
Constrained amino acids. An approach to the synthesis of 3-substituted prolines 4091  
**Wakabayashi T.** see  
Shiozaki M. 7271  
**Wakabayashi T.** see  
Shiozaki M. 8627  
**Wakamori N.** see Murashima T. 3133  
**Wakasa N.** see Hirosawa C. 6749  
**Wakayama M.** **Nemoto H.** and  
**Shibuya M.**  
Pyridoxal-mediated cycloaromatization of an enediyne model system 5397  
**Wakayama M.** see Shibuya M. 865  
**Wakharkar R. D.** see  
Barbate N. B. 2067  
**Wakharkar R. D.** see  
Ramchandani R. K. 4063  
**Wakimura K.** see Tanabe Y. 1837  
**Waksman M.** see  
Mazaleyrat J.-P. 2971  
**Waldman S. R.** **Monte A. P.**  
**Bracey A.** and **Nichols D. E.**  
One-pot Claisen rearrangement/O-methylation/alkene isomerization in the synthesis of *ortho*-methoxylated phenylisopropylamines 7889  
**Waldmann H.** **Heuser A.** and  
**Schulze S.**
- Selective enzymatic removal of protecting groups: the phenylacetamide as amino protecting group in phosphopeptide synthesis 8725  
**Waldmann H.** see Lock R. 2753  
**Waldmann H.** see Müller G. H. 3833  
**Waldmann H.** see Schmid U. 3837  
**Walford S. P.** see  
Blagbrough I. S. 551  
**Walker C.** see Xu Y.-C. 455  
**Walker G.** see Witty D. R. 3067  
**Walker M. A.**  
An unusual tandem cyclization-Stevens rearrangement mediated by Ph<sub>3</sub>P/DEAD or Bu<sub>3</sub>P/ADDP 8133  
**Walker S. D.** see Han Y. 2703  
**Walker, II J. A.** see Liu W. 5325  
**Wallett C. D.** see  
Ramsden C. A. 1901  
**Wallis A. L.** see Malpass J. R. 3911  
**Walsh D. A.** see Elliott A. J. 4339  
**Walsh D. A.** see Elliott A. J. 5829  
**Walsh N. D. A.** see Black G. P. 6943  
**Walter J. A.** see Hu T. 7671  
**Walton D. R. M.** see  
Benito A. M. 1085  
**Walton J. C.** see Banks J. T. 8059  
**Walton R.** see Crossley M. J. 6807  
**Walton R.** see Matsuo I. 8795  
**Waltos A. M.** see Smith D. B. 21  
**Wan T. S. M.** see Komatsu K. 6153  
**Wan T. S. M.** see Murata Y. 7061  
**Wan T. S. M.** see Tso T. S. C. 9249  
**Wandrey C.** see Seelbach K. 1377  
**Wang D.** see Li C.-J. 4459  
**Wang D.** see Posner G. H. 815  
**Wang D.-K.** **Dai L.-X.**  
Hou X.-L. and Zhang Y.  
Mg and Zn mediated allylation of imines with allyl bromide 4187  
**Wang G.** and **Middleton P. J.**  
5'-C-Branched thymidines: synthesis, stereochemistry, and incorporation into oligodeoxynucleotides 2739  
**Wang G.** and **Seifert W. E.**  
Synthesis and evaluation of oligodeoxynucleotides containing 4'-C-substituted thymidines 6515  
**Wang G.-Y.-S.** **Kuramoto M.**  
Uemura D. Yamada A.  
Yamaguchi K. and  
Yazawa K.  
Three novel anti-microfouling nitroalkyl pyridine alkaloids from the Okinawan marine sponge *Callyspongia* sp. 1813  
**Wang G.-Y.-S.** and **Crews P.**  
Geodisterol, a novel polyoxygenated sterol with an aromatic A ring from the tropical marine sponge *Geodia* sp. 8145  
**Wang H.** see Saksena A. K. 6821  
**Wang H.** see Saksena A. K. 5657  
**Wang J.** and **De Clercq P. J.**  
Estramycins: a potential acyclic diyl precursor derived from estradiol 3395  
**Wang J.** and **Scott A. I.**  
A general synthesis of  $\beta$ -aryl and heteroarylpyrroles by palladium-catalyzed coupling reaction of  $\beta$ -tributylstannylpyrrole with aryl and heteroaryl halides 3247  
**Wang J.** see Jao E. 5661  
**Wang J.** see Lau W. Y. 4297  
**Wang K. K.** **Zhang Q.** and  
Liao J.  
Synthesis of 5-methylene-1,3-cyclohexadienes ( $\alpha$ -isotoluenes) via electrocyclic ring opening of (4Z)-1,2,4,6-heptatetraenes 4087  
**Wang L.-X.** **Fan J.-Q.** and  
Lee Y. C.  
Chemoenzymatic synthesis of a high-mannose-type *N*-glycopeptide analog with *C*-glycosidic linkage 1975  
**Wang P. G.** see Chen D. 4467  
**Wang P. G.** see Yu L. 2169  
**Wang Q.** see El-Khoury M. 9047  
**Wang Q. M.** and **Bruce D. W.**  
Synthesis of calamitic, liquid crystalline porphyrins with lateral aromatic branches 7641  
**Wang R.** and **Wong C.-H.**  
Synthesis of sialyl Lewis X mimetics: use of *O*- $\alpha$ -fucosyl-(1*R*,2*R*)-2-amino-cyclohexanol as core structure 5427  
**Wang R.-B.** see Loh T.-P. 2989  
**Wang S.** see Beddoes R. L. 9119  
**Wang S.** see Kohn H. 2337  
**Wang S.** see Kondakov D. Y. 3803  
**Wang T.-C.** **Chen Y.-L.**  
Lee K.-H. and Tzeng C.-C.  
An intermolecular Michael addition of benzene 6369  
**Wang V. R.** see Godjoian G. 433  
**Wang W.** **Obeyesekere N. U.** and **McMurray J. S.**  
Stereospecific synthesis of 4-carboxyphenylalanine and derivatives for use in Fmoc-based solid-phase peptide synthesis 6661

- Wang W.** see Hanessian S. 7473  
**Wang W.** see Hanessian S. 7477  
**Wang X.** see Gilbertson S. R. 6475  
**Wang Y.** see Wilson S. R. 775  
**Wang Y.** see Ziegler F. E. 6299  
**Wang Y.-F. Yakovlevsky K.** and Margolin A. L. An efficient synthesis of chiral amino acid and peptide alkyl-amides via CLEC-subtilisin catalyzed coupling and *in situ* resolution 5317  
**Wang Y.-P.** see Huang X. 7417  
**Wang Z.** and Jimenez L. S. A total synthesis of ( $\pm$ )-mitomycin K. Oxidation of the mitosene C9–9a double bond by (hexamethylphosphoramide)oxodiperoxomolybdenum(VI) ( $\text{MoO}_5 \cdot \text{HMPA}$ ) 6049  
**Wang Z.** see Crimmins M. T. 8703  
**Wang Z.-G. Douglas S. P.** and Krepinsky J. J. Polymer-supported syntheses of oligosaccharides: using dibutylboron triflate to promote glycosylations with glycosyl trichloroacetimidates 6985  
**Wanninger K.** see Reetz M. T. 4499  
**Ward A. D.** see Cooper M. A. 4827  
**Ward J. A.** see Huff B. E. 3655  
**Ward J. A.** see Stille J. R. 9267  
**Ward R.** see Zhang L. 4455  
**Ward Y. D.** and Farina V. Solid phase synthesis of aryl amines via palladium catalyzed amination of resin-bound aromatic bromides 6993  
**Warner I. M.** see Sánchez Peña M. 5841  
**Warren S.** Wyatt P. McPartlin M. and Woodroffe T. Synthesis of achiral and homochiral dibenzo[*b,f*]-phosphepin 5-oxides using bromine/lithium exchange. X-Ray structure of (10*R*,11*R*)-10,11-dihydroxy-10,11-dihydro-5-phenyl-5H-dibenzo[*b,f*]phosphepin 5-oxide 5609  
**Warren S.** see Cavalla D. 7465  
**Warren S.** see Eames J. 707  
**Warren S.** see Eames J. 1117  
**Warren S.** see Eames J. 3525  
**Warren S.** see Eames J. 4077  
**Warren S.** see Eames J. 4581  
**Warren S.** see Eames J. 4823  
**Warren S.** see Guéguen C. 7461  
**Warren S.** see Mitchell H. J. 2105  
**Warren S.** see Nelson A. 1501  
**Warren S.** see O'Brien P. 3051  
**Warren S.** see O'Brien P. 4271  
**Warrener R. N.** Ferreira A. B. B. and Tiekkink E. R. T. The preparation of rigidly-linked 4,5-diazafluorenes: new molrac bidentate ligand systems 2161  
**Warrener R. N.** Maksimovic L. Pitt I. G. Mahadevan I. Russell R. A. and Tiekkink E. R. T. Fused cyclobutenomaleimides: reactive dienophiles for molrac construction 3773  
**Warrener R. N.** see Butler D. N. 2157  
**Warrener R. N.** see Butler D. N. 2825  
**Warrier M.** see Pitchumani K. 6251  
**Washio Y.** see Ramesh U. 8403  
**Wasserman H. H.** Power P. and Petersen A. K. Pyrrole photooxidation. A pathway to bipyrrolic products 6657  
**Wassner G.** see Alzeer J. 6857  
**Wastowski A. D.** see Bonacorso H. G. 9155  
**Watanabe H.** see Seto H. 7979  
**Watanabe M.** see Matsumura Y. 5715  
**Watanabe M.** see Matsumura Y. 8063  
**Watanabe M.** see Matsumura Y. 8395  
**Watanabe N.** see Matsumoto M. 397  
**Watanabe N.** see Matsumoto M. 5939  
**Watanabe N.** see Matsumoto M. 8535  
**Watanabe T.** see Kobata K. 2789  
**Watatani K.** see Kobayashi Y. 4385  
**Watatani K.** see Kobayashi Y. 6125  
**Watkin D. J.** see Blériot Y. 7155  
**Watkin D. J.** see Shilcock J. P. 8569  
**Watson A. A.** see Bell A. A. 8561  
**Watson A. A.** see Davis B. 8565  
**Watson A. A.** see Griffiths R. C. 3207  
**Watson B. M.** see Kraus G. A. 5287  
**Watson N. S.** see Chan C. 8925  
**Watson P. S.** see Evans D. A. 3251  
**Wayner D. D. M.** see Snelgrove D. W. 823  
**Wearing J. T.** see Murray R. W. 805  
**Weber A.** see Irlgarter H. 4137  
**Weber A.** see Riebel P. 1583  
**Weber A.** see Riebel P. 1587  
**Weber B.** see Ang K. H. 675  
**Weber W.** see Bertram G. 7955  
**Wee A. G. H.** and Liu B. The  $\text{Rh}_2(\text{OAc})_4$  catalysed C–H insertion in chiral ester diazoanilides 145  
**Wee A. G. H.** and Tang F. Diastereoselectivity in the addition of organocerium reagents to 4- and 5-oxazolidonecarbaldehydes: synthesis of *syn*- and *anti*-alcohols 6677  
**Weedon A. C.** see Quevillon T. M. 3939  
**Weekly R. M.** see Chappie T. A. 6523  
**Weekly R. M.** see Wright D. L. 2165  
**Weerasuria K. D. V.** see Butler D. N. 2157  
**Wege D.** see Ng W. 6797  
**Weglitz M. A.** see Keck G. E. 3291  
**Wegman M. A.** see Thuring J. W. J. F. 4759  
**Wehler T.** and Westman J. Magic angle spinning NMR: a valuable tool for monitoring the progress of reactions in solid phase synthesis 4771  
**Wei C.** see Kam T.-S. 3603  
**Wei G. P.** see Phillips G. B. 4887  
**Wei H.** and Schlosser M. 2,2-Di(ethoxy)vinyllithium: a synthetic equivalent of the ethyl acetate anion 2771  
**Wei S.** see Heckmann B. 1425  
**Wei S.-Y.** see Tomooka K. 8895  
**Wei S.-Y.** see Tomooka K. 8899  
**Wei X.** and Taylor R. J. K. Organolithium additions to styrene derivatives: intramolecular alkylation processes 4209  
**Wei X.** see Wu M. 7409  
**Wei Y.** Yang C. and Ding T. A one-step method to synthesize *N,N'*-bis(4'-aminophenyl)-1,4-quinonenediimine and its derivatives 731  
**Weidenbruch M.** see Kroke E. 3675  
**Weier R. M.** see Khanna I. K. 1355  
**Weigel L. O.** see Audia J. E. 4121  
**Weigelt D.** Kraehmer R. and Welzel P. New protecting group chemistry in the synthesis of monomycin analogues 367  
**Weiler L.** see Neeland E. G. 5069  
**Weill M.** see Hua T. D. 175  
**Weinhause M. I.** see Tamura S. Y. 4109  
**Weinrich V.** see Raposo C. 1485  
**Weinstock L. M.** see Karady S. 8277

- Weiss J.** see Prévôt-Halter I. 1201
- Weiss R. G.** see Pitchumani K. 6251
- Weissman S. A. and Ramachandran P. V.**  
B-Iso-2-(2-diethylaminoethyl)apopinocampheyl-9-borabicyclo[3.3.1]nonyl hydride—an improved chiral reducing agent for straight chain aliphatic ketones 3791
- Weisz I., Roboz J. and Bekesi J. G.**  
Acidic coupling and aminolytic TFA cleavage approaches in a new synthesis of an L-m-sarcosylin containing anti-tumor tripeptide ester 563
- Weitz-Schmidt G.** see Marron T. G. 9037
- Weitz-Schmidt G.** see Woltering T. J. 9033
- Welch M. J.** see Mishani E. 319
- Wells J. A.** see Suich D. J. 6653
- Wells K. M., Shi Y.-J., Lynch J. E., Humphrey G. R., Volante R. P. and Reider P. J.**  
Regioselective nucleophilic substitutions of fluorobenzene derivatives 6439
- Welzel P.** see Kempin U. 5087
- Welzel P.** see Weigert D. 367
- Wendeborn S., Jouanno C., Wolf R. M. and De Mesmaeker A.**  
Replacement of the phosphodiester linkage in oligonucleotides by an acetylenic bond: comparison between carbon-, sulfur-, and oxygen-containing analogs 5511
- Wender P. A., Dore T. M. and deLong M. A.**  
An arene–alkene photocyclo-addition–radical cyclization cascade: the first syntheses of *cis,cis,cis,trans*-[5.5.5.5]-fenestrane 7687
- Wendt J. A. and Aubé J.**  
Toward the synthesis of sparteine: intramolecular Schmidt reactions on a norbornanone platform 1531
- Weng H. and Roth H. D.**  
Electron donor–acceptor photochemistry of 1-cyano-naphthalene with norbornadiene: stereospecific regiorandom [2 + 2] cycloaddition 4895
- Wengel J.** see Singh S. K. 7619
- Wensbo D.** see Apelqvist T. 1471
- Wenschuh H., Beyermann M., Winter R., Bienert M., Ionescu D. and Carpino L. A.**  
Fmoc amino acid fluorides in peptide synthesis—extension of the method to extremely hindered amino acids 5483
- Wentrup C.** see Adam W. 2113
- Wentz A. P.** see Bonacorso H. G. 9155
- West C. A., Sanchez A. M., Hanon-Aragon K. A., Salazar I. C. and Menger F. M.**  
Preparation and characterization of a simple destructible surfactant 9135
- West P.** see Hill D. R. 787
- Westlund N.** see Clayden J. 5577
- Westman G.** see Perlmutter P. 1715
- Westman J.** see Wehler T. 4771
- Westmeyer M. D.** see South M. S. 1351
- Westwood N.** see Magnus P. 6639
- Wheatley J. R.** see Shilcock J. P. 8569
- Whitby R. J.** see Bell L. 7139
- Whitby R. J.** see Luker T. 7661
- White A. H.** see Bremner J. B. 8573
- White A. J. P.** see Ashton P. R. 6217
- White C. R.** see Andrews I. P. 4811
- White E. H.** see Paik S. 4663
- Whitehead C. C.** see Byers J. H. 2743
- Whitehead R. C.** see Baldwin J. E. 6919
- Whitehead R. C.** see Baldwin J. E. 6923
- Whitesell J. K. and Apodaca R.**  
Trimethylsilylcyanation of aldehydes and ketones catalyzed by diorganotin dichlorides 2525
- Whitesell J. K. and Apodaca R.**  
A convenient synthesis of protected and free homoallylic alcohols: catalytic use of dibutyltin dichloride in the allylation of aldehydes with allyltributyltin 3955
- Whiting A.** see Morgan P. E. 4795
- Whitley P. E.** see Enholm E. J. 559
- Whittaker M.** see Floyd C. D. 8045
- Whitfern D.** see Hill D. R. 787
- Whittingham W. G.** see Clark J. S. 5605
- Wiberg K. B., Snoonian J. R. and Lahti P. M.**  
Ring contraction of a two-carbon bridged spiropentane 8285
- Wicha J.** see Achmatowicz B. 5589
- Wicha J.** see Michalak K. 7657
- Widdowson D. A.** see Archer I. V. J. 8819
- Widlanski T. S.** see Xie M. 4443
- Wiersum U. E.** see Sarobe M. 1121
- Wiggemann A.** see Kreiser W. 7119
- Wilcox R. A.** see Fauq A. H. 1917
- Wilczewska A. Z.** see Morzycki J. W. 2079
- Wilkes R. D.** see Blades K. 6403
- Wilkes R. D.** see Patel S. T. 5183
- Wilkinson A.-S.** see Brown T. 5413
- Wille G.** see Mayer G. 4483
- Willemsen J. J.** see Meyers A. I. 791
- Willett N. J.** see McNicholas C. 8053
- Willets A. J.** see Maddrell S. J. 6001
- Williams C. M.** see Ang K. H. 675
- Williams D. B. G.** see Grové J. J. C. 1305
- Williams D. B. G.** see Grové J. J. C. 5817
- Williams D. J.** see Ashton P. R. 6217
- Williams D. J.** see Fonte P. 6201
- Williams D. J.** see Fonte P. 6205
- Williams D. J.** see Kohnke F. H. 4593
- Williams D. R., Brooks D. A., Moore J. L. and Stewart A. O.**  
The preparation and Wittig condensations of C-4 thiazole phosphonium methylides 983
- Williams J. M. J.** see Allen J. V. 1859
- Williams J. M. see** Brands K. M. J. 2919
- Williams J. M. see** Parakka J. P. 8085
- Williams J. M. J.** see Dinh P. M. 7623
- Williams M.** see McGill J. M. 3977
- Williams N. E.** see Singh P. R. 4117
- Williams P. G.** see Saljoughian M. 2923
- Williams R. M. and Cao J.**  
Studies on the total synthesis of paraherquamide A. Stereocontrolled, asymmetric synthesis of  $\alpha$ -alkyl- $\beta$ -hydroxyproline derivatives 5441
- Williams R. M.** see Yuan C. 1945
- Williard P. G.** see Nair V. 2315
- Williard P. G.** see Nair V. 8271
- Willis A. C.** see Benjamin L. J. 8937
- Willis C. L.** see Kelly N. M. 1517
- Willms S.** see Kroke E. 3675
- Willoughby C. A.** and Chapman K. T.

- Solid phase synthesis of aryl amines** 7181  
**Wills M.** see Gamble M. P. 2853  
**Wilmouth S.** see Pellissier H. 5107  
**Wilson D.** see Casaschi A. 4413  
**Wilson D.** see Grigg R. 4609  
**Wilson D. B.** see Galopin C. C. 8675  
**Wilson F. X.** see Clayden J. 5577  
**Wilson N. S. and Keay B. A.** A mild palladium(II) catalyzed desilylation of phenolic *t*-butyldimethylsilyl ethers 153  
**Wilson P.** see Ruan Z. 3619  
**Wilson P. D.** see Wong T. 755  
**Wilson R. M.** see Schnapp K. A. 2317  
**Wilson S. R. Wang Y. Cao J. and Tan X.** Amino acids as precursors for N-unsubstituted fullero-pyrrolidine derivatives 775  
**Wilson T. E.** see Kim J.-M. 5309  
**Wilson T. E.** see Paikoff S. J. 5653  
**Wilson W. D.** see Lorente A. 4417  
**Winkler J. D.**  
**Bhattacharya S. K. and Batey R. A.** Synthesis of a taxinine analog via the intramolecular Diels–Alder cycloaddition 8069  
**Winkler J. D. Stelmach J. E. and Axten J.** Two highly efficient syntheses of scalemic azocines 4317  
**Winter R.** see Wenschuh H. 5483  
**Winternitz F.** see Gouilleux L. 7031  
**Winton P. L.** see Kelly N. M. 1517  
**Winum J.-Y. Kamai M. Leydet A. Roque J.-P. and Montero J.-L.** Homologation of carboxylic acids by Arndt–Eistert reaction under ultrasonic waves 1781  
**Wipf P. and Venkatraman S.** An improved protocol for azole synthesis with PEG-supported Burgess reagent 4659  
**Wipf P.** see Goldstein D. M. 739  
**Wirsching P.** see Sakurai M. 5479  
**Wise D. S.** see Liu W. 5325  
**Witty D. R. Walker G. Bateson J. H. O'Hanlon P. J. Eggleston D. S. and Haltiwanger R. C.** Synthesis of conformationally restricted analogues of the tryptophanyl tRNA synthetase inhibitor indolmycin 3067  
**Witzgall P.** see Unelius C. R. 1505  
**Wöhrl I. Claßen A. Peterek M. and Scharf H.-D.** The first total synthesis of 15-epi-annonin I 7001  
**Woisel P.** see Couture A. 3697  
**Woiwode T. F.** see Zhang C. 751  
**Wolf J.-G.** see Rivière F. 6717  
**Wolf R. M.** see Wendeborn S. 5511  
**Wolfart V.** see Gleiter R. 479  
**Wolff C.** see Averdung J. 4683  
**Wolińska E.** see Rykowski A. 5795  
**Woltering T. J.**  
**Weitz-Schmidt G. and Wong C.-H.** C-Fucopeptides as selectin antagonists: attachment of lipid moieties enhances the activity 9033  
**Woltering T. J.** see Marron T. G. 9037  
**Won D. H.** see Jeong I. H. 7665  
**Won D. H.** see Jeong I. H. 5905  
**Wong C.-H.** see Alper P. B. 6029  
**Wong C.-H.** see Hung S.-C. 4903  
**Wong C.-H.** see Marron T. G. 9037  
**Wong C.-H.** see Shibata K. 2791  
**Wong C.-H.** see Takayama S. 6287  
**Wong C.-H.** see Takayama S. 9271  
**Wong C.-H.** see Wang R. 5427  
**Wong C.-H.** see Woltering T. J. 9033  
**Wong T. Tjeukema M. W. Audrain H. Wilson P. D. and Fallis A. G.** A versatile synthesis of (*E*)- and (*Z*)-1-halo-2-(alkoxy-methyl)-1,3-butadienes and their condensation with aldehydes 755  
**Wong T.** see Komatsu K. 6153  
**Wong T.** see Tso T. S. C. 9249  
**Wong-Lun-Sang S.**  
**Bernardini J.-J. Hennard C. Kyslik P. Dell A. and Abdallah M. A.** Bacterial siderophores: structure elucidation, 2D <sup>1</sup>H and <sup>13</sup>C NMR assignments of pyoverdins produced by *Pseudomonas fluorescens* CHAO 3329  
**Wood J. L. Stoltz B. M. Onwueme K. and Goodman S. N.** The synthesis of desamido analogs of staurosporine, RK-286c, and TAN-1030a 7335  
**Wood J. L.** see Fortunak J. M. D. 5679  
**Wood J. L.** see Fortunak J. M. D. 5683  
**Wood J. L.** see Stoltz B. M. 3929  
**Wood M. E.** see Baldwin J. E. 6923  
**Woodgate P. D.** see Pearson A. J. 3087  
**Woodroffe T.** see Warren S. 5609  
**Woods M.** see Adger B. 6399  
**Works A. B.** see Roush W. R. 8065  
**Wormald M. R.** see Griffiths R. C. 3207  
**Wright D. L. Weekly R. M. Groff R. and McMills M. C.** A metallocarbenoid approach to the formation of spirocyclic ammonium ylides leading to the preparation of medium-sized azacane rings 2165  
**Wright D. L.** see McMills M. C. 7205  
**Wright J. L. C.** see Hu T. 7671  
**Wright S. W. Dow R. L. McClure L. D. and Hageman D. L.** A synthesis of functionalized indoline 2,2-bis-carboxylates 6965  
**Wright S. W. McClure L. D. and Hageman D. L.** A convenient modification of the Gassman oxindole synthesis 4631  
**Wu A. D.** see Sharma S. K. 5665  
**Wu C.-L.** see Liu H.-J. 9307  
**Wu H.-J. Tsai S.-H. and Chung W.-S.** Iodine-induced cyclization reaction of *endo*-thioester substituted norbornenes followed by methylthio group rearrangement 8209  
**Wu H.-J. Yen C.-H. and Chuang C.-T.** Intramolecular Diels–Alder reaction of furans with allenyl ethers followed by trimethylsilyl group 1,2-rearrangement and Brook rearrangement 7395  
**Wu J. Shull B. K. and Koreeda M.** 1-[2-(Trimethylsilyl)ethoxy]-ethyl (SEE): a novel hybrid hydroxy-protecting group between 1-(ethoxy)ethyl (EE) and 2-(trimethylsilyl)ethoxy-methyl (SEM) 3647  
**Wu J.** see Eisenberg S. W. E. 7683  
**Wu J.** see Gordeev M. F. 4643  
**Wu J. J.** see Barnett-Thamattoor L. 7221  
**Wu M. Wei X. Qi L. and Xu Z.** A new method for facile and selective generation of C<sub>60</sub><sup>-</sup> and C<sub>60</sub><sup>2-</sup> in aqueous caustic/THF(or DMSO) 7409  
**Wu M.-C.** see Leung W.-H. 891

- Wu M.-J.** see McGrath D. V. 6077
- Wu N.** see Frey D. A. 8317
- Wu P.-L.** see Wu T.-S. 7819
- Wu T.** see Cochran J. E. 2903
- Wu T.-S., Huang S.-C. and Wu P.-L.** Carbazole-pyranocoumarin dimer and binary carbazole alkaloid from *Clausena excavata* 7819
- Wu W.-L.** see Gao Y. 893
- Wu W.-L.** see Hart D. J. 5283
- Wu X.** see Khim S.-K. 571
- Wu Y.** see Myers A. G. 3083
- Wu Y.-L.** see Gao Y. 893
- Wu Y.-L.** see Li Y.-L. 7413
- Wyatt P.** see Warren S. 5609
- Wyatt P. B.** see Arvanitis E. 4277
- Wythes M. J.** see Macor J. E. 4289
- Xi C.** see Takahashi T. 7521
- Xi Z.** see Takahashi T. 7521
- Xia X.** see Captain L. F. 4293
- Xiang J. S. and Fuchs P. L.** Mechanistic aspects of the C–H alkynylation reaction of acetylenic triflones. Determination of phenyl versus cyclohexyl migratory aptitude for a vinylidene carbene 5269
- Xiang T.-J.** see Schwan A. L. 2345
- Xiang Y. Chen J.**
- Schinazi R. F. and Zhao K.** Corrigendum 3779
- Xiang Y. Gong Y. and Zhao K.** Enantioselective synthesis of isoxazolidinyl thymine and cytosine nucleosides 4877
- Xiao D. Schreier J. A.**
- Cook J. H. Seybold P. G. and Ketcha D. M.** Reversible Friedel–Crafts acylations of 3-alkyl-1-(phenylsulfonyl)pyrroles: application to the synthesis of an ant trail pheromone 1523
- Xiao J. Nefkens S. C. A.**
- Jessop P. G. Ikariya T. and Noyori R.** Asymmetric hydrogenation of  $\alpha,\beta$ -unsaturated carboxylic acids in supercritical carbon dioxide 2813
- Xie J.** see Czernecki S. 9193
- Xie L.** see Katritzky A. R. 347
- Xie M. and Widlanski T. S.** A new protecting group for the synthesis of complex sulfonates 4443
- Xie M.** see Robins M. J. 3921
- Xin Z. and Just G.** Diastereoselective synthesis of phosphite triesters 969
- Xu D. Mattner P. G. Prasad K. Repic O. and Blacklock T. J.** An expeditious synthesis of a bicyclam with an aromatic linker 5301
- Xu G.** see Clennan E. L. 2911
- Xu J. and Yadan J. C.** First synthesis of (+)-brazilane from (+)-brazilin 2421
- Xu L.-H.** see Grigg R. 4251
- Xu R., Chu G. and Bai D.** Total synthesis of ( $\pm$ ) epibatidine 1463
- Xu W.** see Ramachandran P. V. 4911
- Xu W.** see Ying T. 3885
- Xu Y., Yakushijin K. and Horne D. A.** Transbromination of brominated pyrrole and imidazole derivatives: synthesis of the  $C_1N_5$  marine alkaloid stevensine 8121
- Xu Y.** see Bassindale A. R. 555
- Xu Y.-C., Bizuneh A. and Walker C.** Selective deprotection of alkyl esters using magnesium methoxide 455
- Xu Y.-M. and Zhou W.-S.** A new approach to 1-deoxy-azasugars: asymmetric synthesis of deoxymanno-jirimycin 1461
- Xu Z.** see Wu M. 7409
- Xu Z.-Q.** see Chen W. 8975
- Xue L., Lu L., Pedersen S., Liu Q., Narske R. and Burton D. J.** A novel stereospecific route to *E* and *Z*-2-substituted-1,2-difluoroethenylstannanes 1921
- Xue S.** see Moss R. A. 1929
- Yadan J. C.** see Xu J. 2421
- Yadav G. D. and Thorat T. S.** Role of benzyl ether in the inversion of reactivities in Friedel–Crafts benzylation of toluene by benzyl chloride and benzyl alcohol 5405
- Yadav J. S. Chandrasekhar S., Sumithra G. and Kache R.** Selective and unprecedented oxidative deprotection of allyl ethers with DDQ 6603
- Yadav J. S.** see Chandrasekhar S. 1645
- Yaegashi K.** see Mori Y. 2605
- Yaegashi K.** see Mori Y. 6959
- Yaegashi S.** see Kubo K. 5917
- Yagami T.** see Futaki S. 201
- Yagisawa S. and Urakami M.** A rapid reaction releasing the carboxyl terminal residues of peptides 7557
- Yago S.** see Sato M. 9063
- Yahiroglu G.** see Milgrom L. R. 4069
- Yakovlevsky K.** see Wang Y.-F. 5317
- Yakushijin K.** see Xu Y. 8121
- Yamada A.** see Wang G.-Y.-S. 1813
- Yamada H., Aoyagi S. and Kibayashi C.** Exploitation of palladium-
- catalyzed reductive enyne cyclization in the synthesis of ( $\pm$ )-4a,5-dihydrostreptazolin 8787
- Yamada H.** see Takahashi T. 2433
- Yamada K.** see Kohmoto S. 7761
- Yamada K.** see Kohmoto S. 8879
- Yamada K.** see Kuramoto M. 3867
- Yamada K.** see Mutou T. 7299
- Yamada K.** see Suenaga K. 5151
- Yamada K.** see Suenaga K. 6771
- Yamada N.** see Kittaka A. 2801
- Yamada N.** see Nemoto H. 6355
- Yamada S. and Ohe T.** Kinetic resolution of *sec*-alcohols with axially chiral twisted amides 6777
- Yamada S.** see Iwasaki Y. 6753
- Yamada T.** see Takahashi C. 655
- Yamada T.** see Teranishi K. 8425
- Yamada Y.** see Miyacka H. 7107
- Yamada Y.** see Miyacka H. 7407
- Yamada Y.** see Sakuda S. 5711
- Yamada Y.** see Shimano M. 7553
- Yamagata Y.** see Nishizono N. 7569
- Yamaguchi H.** see Konishi H. 8547
- Yamaguchi H.** see Toshima K. 1069
- Yamaguchi H.** see Toshima K. 1073
- Yamaguchi K.** see Azumaya I. 5003
- Yamaguchi K.** see Hatanaka K. 873
- Yamaguchi K.** see Hatanaka K. 877
- Yamaguchi K.** see Imamoto T. 503
- Yamaguchi K.** see Ishida K. 9225
- Yamaguchi K.** see Okada S. 1065
- Yamaguchi K.** see Wang G.-Y.-S. 1813
- Yamaguchi S. and Tamao K.** Synthesis, structure, and absorption spectra of the well-defined 1,1'-bicyclopentadiene derivatives 2983
- Yamamori Y.** see Mori Y. 2605
- Yamamori Y.** see Mori Y. 6959
- Yamamoto A.** see Shimizu I. 7115
- Yamamoto A.** see Yasuda M. 5951
- Yamamoto G.** see Higuchi H. 2601
- Yamamoto H.** see Hayakawa Y. 6363

- Yamamoto H.** see Kanemasa S. 8505  
**Yamamoto H.** see Tsunoda T. 2457  
**Yamamoto H.** see Tsunoda T. 2463  
**Yamamoto K.** see Doi T. 6877  
**Yamamoto M.** see Kohmoto S. 7761  
**Yamamoto M.** see Kohmoto S. 8879  
**Yamamoto S.** see Tanaka T. 7809  
**Yamamoto T.** see Okuma K. 8883  
**Yamamoto Y., Kimachi T., Kanaoka Y., Kato S., Bessho K., Matsumoto T., Kusakabe T., and Sugura Y.** Synthesis and DNA binding properties of amide bond-modified analogues related to distamycin 7801  
**Yamamoto Y., Kin H., Suzuki I., and Asao N.** 5(N-Methylbenzoylamino)-2,2,6,6-tetramethylheptan-3-ol as a new class of recoverable chiral auxiliary 1863  
**Yamamoto Y.** see Cai J. 3383  
**Yamamoto Y.** see Ibuka T. 2849  
**Yamamoto Y.** see Kadota I. 2109  
**Yamamoto Y.** see Kadota I. 3059  
**Yamamoto Y.** see Kadota I. 3195  
**Yamamoto Y.** see Meguro M. 7453  
**Yamamoto Y.** see Nemoto H. 539  
**Yamamoto Y.** see Sato K. 2799  
**Yamamura H.** see Araki S. 8417  
**Yamamura H.** see Fujita K. 1825  
**Yamamura K., Yamane T., Hashimoto M., Miyake H., and Nakatsuji S.** A novel synthesis of  $\beta$ -(10-benz[a]azulenyl)- $\alpha$ , $\beta$ -unsaturated ketones by intramolecular cyclization of *o*-[2-furyl]cycloheptatrienylbenzenes 4965  
**Yamamura S.** see Ishibashi Y. 2997  
**Yamamura S.** see Konishi H. 8791  
**Yamamura S.** see Li S. 7365  
**Yamamura S.** see Nakamura K. 191  
**Yamamura S.** see Ohmori K. 3467  
**Yamamura S.** see Takakura H. 4043  
**Yamana K., Yoshikawa A., and Nakano H.** Synthesis of a new photoisomerizable linker for connecting two oligonucleotide segments 637  
**Yamana K.** and **Nakano H.** The Lewis acid-promoted reactions of *o*-phthalaldehyde with trialkyl phosphites: formation of 1-dialkoxyphosphorylisobenzofuran 5963  
**Yamanaka H., Takekawa T., Morita K., Ishihara T., and Gupton J. T.** Preparation of novel  $\beta$ -trifluoromethyl vinamidinium salt and its synthetic application to trifluoromethylated heterocycles 1829  
**Yamanaka T., Seki M., Kuroda T., Ohmizu H., and Iwasaki T.** Highly stereoselective and practical synthesis of a key intermediate for 1- $\beta$ -methylcarbapenems 4967  
**Yamanaka T.** see Seki M. 5565  
**Yamane T.** see Yamamura K. 4965  
**Yamashita K.** and **Sato F.** Highly efficient synthesis of allylic alcohols having an  $\alpha$ -alkoxyalkyl group at their  $\beta$ -position via regioselective addition reaction of titanium-propargyl ether complexes with carbonyl compounds 7275  
**Yamashita M., Okuyama K., Kawasaki I., and Ohta S.** Stereoselective dimerization of  $\alpha$ -keto amides using samarium diiodide 7755  
**Yamashita S.** see Matsumoto M. 397  
**Yamashita T., Sato D., Kiyoto T., Kumar A., and Koga K.** An approach to catalytic asymmetric deprotonation of 4-substituted cyclohexanones 8195  
**Yamashita T.** see Kaneda K. 4555  
**Yamauchi K.** see Hojo H. 7391  
**Yamazaki N., Suzuki H., Aoyagi S., and Kibayashi C.** Lewis acid-mediated nucleophilic alkylations on chiral [6,3a,4]oxadiazaindano-[5,4-*a*]isoquinolines. Asymmetric synthesis of 1-alkyl substituted tetrahydroisoquinolines 6161  
**Yan B.** and **Gstach H.** An indazole synthesis on solid support monitored by single bead FTIR microspectroscopy 8325  
**Yan F.** see Uneyama K. 2045  
**Yanabu N.** see Kodama Y. 1061  
**Yanabu N.** see Kodama Y. 2515  
**Yanada K.** see Yanada R. 9313  
**Yanada R., Negoro N., Yanada K., and Fujita T.**
- Reductive dehalogenation of aliphatic *vic*-dihalides with metallic samarium in a methanolic medium 9313  
**Yanagi K.** see Hasegawa E. 7079  
**Yanagihara Y.** see Matsumura Y. 8395  
**Yanase N.** see Miki Y. 7753  
**Yang B. H.** see Myers A. G. 3623  
**Yang C.** see Wei Y. 731  
**Yang C.-Y.** see Chen B. 8205  
**Yang F.** see Martin O. R. 1991  
**Yang J.** see Koreeda M. 8267  
**Yang J.** see Zafar A. 2327  
**Yang J.-F.** see Sha C.-K. 3487  
**Yang J.-F.** see Sha C.-K. 6959  
**Yang L.** and **Guo L.** Pictet-Spengler reaction on solid support 5041  
**Yang L.-X.** and **Hofer K. G.** Reductive amination of nitroimidazole aldehyde with diamines using sodium triacetoxyborohydride 6081  
**Yang M. G.** see Evans D. A. 1957  
**Yang P.-K.** see Chou S.-S. P. 7279  
**Yang R.** see Maehr H. 5445  
**Yang R.-Y.** see Hanessian S. 5273  
**Yang R.-Y.** see Hanessian S. 5835  
**Yang R.-Y.** see Hanessian S. 8997  
**Yang T.-F., Kim H., Kotra L. P., and Chu C. K.** Design and synthesis of 2'-hydroxyethylcyclopropyl carbocyclic nucleosides 8849  
**Yang T.-K., Chu H.-Y., Lee D.-S., Jiang Y.-Z., and Chou T.-S.** The study of Lewis acid effect on asymmetric Diels-Alder reactions of new 2-sulfinylbutadienes derived from (1*R*,2*S*,3*R*)-3-mercaptopcamphan-2-ol 4537  
**Yang X.-S.** see Fuji K. 7373  
**Yano M., Sato K., Shiomi D., Ichimura A., Abe K., Takui T., and Itoh K.** Synthesis of 1,3-bis(diaryl-amino)benzenes as model precursors for one-dimensional organic ferromagnetic metals; characterization of the dications by cyclic voltammetry and electron spin transient nutation spectroscopy 9207  
**Yao C.-F., Chen W.-C., and Lin Y.-M.** Reactions of  $\beta$ -nitrostyrenes with Grignard reagents 6339  
**Yao W.** see Hirschmann R. 5637  
**Yaouanc J. J.** see Gardinier I. 7711

- Yarborough R.** see Phife D. W. 5227
- Yashunsky D. V.**  
Ponomarev G. V. and Arnold D. P.  
Chemistry of dimethylamino-methylporphyrins. New synthesis of meso-methylporphyrins via triphenylporphyrinylmethylphosphonium iodides 7147
- Yasiak S.** see Klärner F.-G. 1385
- Yasuda I.** see Takano I. 7053
- Yasuda K.** Shindo M. and Koga K.  
Enantioselective Michael reaction of ketone lithium enolates using a chiral amine ligand 6343
- Yasuda M.** Sugawa Y.  
Yamamoto A. Shibata I. and Baba A.  
Allylic tin(IV)-tin(II) chloride-acetonitrile as a novel system for allylation of carbonyls or imines 5951
- Yasuda M.** see Kobayashi S. 5569
- Yasuda S.** see Tatsuta K. 2453
- Yasui S.** Shioji K.  
Tsujimoto M. and Ohno A.  
An intramolecular Arbuzov rearrangement initiated by anodic oxidation 1625
- Yasukochi T.** see Fukase K. 3343
- Yasukochi T.** see Fukase K. 6763
- Yasumoto T.** see Matsumori N. 1269
- Yasumoto T.** see Satake M. 5955
- Yasumoto T.** see Takahashi H. 7087
- Yasumuro K.** see Ushio-Sata N. 225
- Yates M. H.** see Ciufolini M. A. 2881
- Yazawa K.** see Chou T. 3871
- Yazawa K.** see Wang G.-Y.-S. 1813
- Yazawa S.** see Izumi M. 1809
- Ye B.** see Gao Y. 893
- Ye D.-Y.** see Chen B. 8205
- Ye J.** see Bhatt R. K. 3811
- Yeh M.-C. P.** see Lai M.-L. 6149
- Yeh M.-C. P.** see Blankenfeldt W. 7361
- Yeh Y.-L.** see Chou T.-C. 8779
- Yen C.-H.** see Wu H.-J. 7395
- Yeung L.-L.** see Haynes R. K. 4729
- Yeung L.-L.** see Lam W. W.-L. 4733
- Yeung L.-L.** see Leung W.-H. 891
- Ying T.** Bao W. Zhang Y. and Xu W.  
An alternative route to 1,3-diketones promoted by samarium diiodide 3885
- Yoda H.** Nakajima T. and Takabe K.  
Total synthesis of natural (-)-codonopsinine employing stereoselective reduction of quaternary  $\alpha$ -hydroxy-pyrrolidine 5531
- Yoganathan K.** see Kam T.-S. 3603
- Yoganathan K.** see Kam T.-S. 5765
- Yoganathan K.** see Kam T.-S. 8811
- Yokogawa K.** see Kita Y. 7545
- Yokoi T.** see Okada Y. 2249
- Yokota H.** see Higuchi H. 1617
- Yokoyama M.** see Muraki T. 2441
- Yokoyama M.** see Togo H. 6129
- Yokoyama R.** see Arimoto H. 4749
- Yokoyama Y.** Kondo K.  
Mitsuhashi M. and Murakami Y.  
Total synthesis of optically active chanoclavine-I 9309
- Yokoyama Y.** see Kamata M. 3483
- Yoneda E.** see Shimizu R. 5557
- Yoneda N.** see Hara S. 8511
- Yonei S.** see Sugiyama H. 9067
- Yonemitsu O.** see Makino K. 9073
- Yonemitsu O.** see Makino K. 9077
- Yonemitsu O.** see Matsushima T. 385
- Yonemitsu O.** see Uenishi J. 6759
- Yong K.** see Batey R. A. 6847
- Yoo I.-D.** see Koshino H. 4549
- Yoo I.-D.** see Yun B.-S. 8529
- Yoon C. H.** see Lee E. 5929
- Yoon N. M.** Park K. B.  
Lee H. J. and Choi J.  
The semihydrogenation of acetylenes over Pd catalyst on BER in the presence of CsI 8527
- Yoon N. M.** see Choi J. 1057
- Yoon N. M.** see Sim T. B. 3137
- Yoon Y.-J.** see Cho S.-D. 7059
- Yoshida A.** see Mikami K. 8515
- Yoshida J.** Sugawara M. and Kise N.  
Organothio groups as electro-auxiliaries: electrooxidative inter- and intramolecular carbon-carbon bond formation 3157
- Yoshida K.** see Iida K. 4997
- Yoshida K.** see Seto H. 4179
- Yoshida M.** see Fukase K. 6763
- Yoshida M.** see Iyoda M. 7987
- Yoshida S.** see Seto H. 4179
- Yoshida T.** see Sujino K. 6133
- Yoshida T.** see Toshima K. 1069
- Yoshida T.** see Toyota M. 4745
- Yoshida W. Y.** see Nakao Y. 8993
- Yoshida Y.** see Kita Y. 1817
- Yoshifuji M.** Shinohara N. and Toyota K.  
Application of 1,2-bis(2-bromo-3,5-di-*t*-butyl-phenyl)ethane to preparation of compounds having two diphosphene units 7815
- Yoshihara K.** see Shinada T. 7099
- Yoshihara T.** see Jiao Y. 1039
- Yoshikawa A.** see Yamana K. 637
- Yoshikawa K.** see Kobata K. 2789
- Yoshimatsu M.** Hayashi M.  
Tanabe G. and Muraoka O.  
A regioselective addition reaction of a sulfonyl radical to conjugate enynesulfones: a convenient synthesis of 1,4-bis(arylsulfonyl)-1,3-butadiene 4161
- Yoshimatsu M.** and Hasegawa J.  
Regio- and stereoselective vinylic substitution reactions of  $\alpha$ -haloenyne sulfones 7381
- Yoshimoto Y.** see Matsumura Y. 5715
- Yoshimoto Y.** see Matsumura Y. 8063
- Yoshimura K.** and Fukazawa Y.  
C-H acidity effect of guest molecules on the complexation with monomethyl ether of monodeoxycalix[4]arene 1435
- Yoshimura M.** see Ohta S. 2265
- Yoshimura T.** see Morita H. 3739
- Yoshino T.** Nagata Y. Itoh E.  
Hashimoto M. Katoh T. and Terashima S.  
Total synthesis of natural (+)-FR900482-II. Efficient syntheses of the aromatic and the optically active aliphatic fragments 3475
- Yoshino T.** see Katoh T. 3471
- Yoshino T.** see Katoh T. 3479
- Yoshizawa K.** see Masaki Y. 9321
- You Z.** and Lee H. J.  
One step conversion of highly dipolarophilic olefins to  $\alpha$ -hydroxy- $\beta$ -cyano-adducts with metal fulminate 1165
- Young D. W.** see Bradley E. L. 7329
- Young D. G. J.** Hale M. R. and Hoveyda A. H.  
Highly diastereoselective hydrosilation reactions.  
Spirocyclic siloxanes: sources of Si-based Lewis acids 827
- Young D. J.** see Cokley T. M. 1905

- Young D. W.** see Bradley E. L. 6935  
**Young D. W.** see Davies G. M. 5601  
**Young D. W.** see Galt R. H. B. 8035  
**Young R. J.** see Shaw-Ponter S. 1867  
**Young R. J.** see Shaw-Ponter S. 1871  
**Young R. N.** see Han Y. 2703  
**Yu C.** and **Taylor J. W.**  
 A new strategy applied to the synthesis of an  $\alpha$ -helical bicyclic peptide constrained by two overlapping i, i+7 side-chain bridges of novel design 1731  
**Yu C.-M.** **Choi H.-S.**  
**Jung W.-H.** and **Lee S.-S.**  
 Catalytic asymmetric allylation of aldehydes with BINOL-Ti(IV) complex accelerated by i-PrSSiMe<sub>3</sub> 7095  
**Yu D.** see Iyer R. P. 1539  
**Yu D.** see Iyer R. P. 1543  
**Yu D. W.** **Preuss K. E.**  
**Cassis P. R.**  
**Dejikhangsar T. D.** and **Dibble P. W.**  
 Naphtho[1,2-c;5,6-c]difuran, a stable isobenzofuran derivative 8845  
**Yu E.** see Ha D.-C. 2577  
**Yu H.-B.** and **Huang W.-Y.**  
 A new approach to polyfluoroalkyl imidoyl iodide 7999  
**Yu J.** see Lai J.-Y. 7167  
**Yu L.** **Chen D.** and **Wang P. G.**  
 Aqueous aza Diels-Alder reactions catalyzed by lanthanide(III) trifluoromethanesulfonates 2169  
**Yu L.** see Chen D. 4467  
**Yu M.-T.** see Leung W.-H. 891  
**Yuan C.** and **Williams R. M.**  
 An efficient method for the preparation of amidinoureas 1945  
**Yuan D.-Q.** see Chen W.-H. 7561  
**Yue X.** **Qing F.** **Sun H.** and **Fan J.**  
 A Suzuki coupling approach to double bonds locked analogues of strobilurin A 8213  
**Yue X.** and **Li Y.**  
 Studies on macrocyclic diterpenoids—XIX. Total synthesis of (*RR/SS*)-sinulariol-B 671  
**Yun B.-S.** **Ryoo I.-J.**  
**Kim W.-G.** **Kim J.-P.**  
**Koshino H.** **Seto H.** and **Yoo I.-D.**  
 Structures of phenazostatins A and B, neuronal cell protecting substances of microbial origin 8529  
**Yun C.-S.** see Ha D.-C. 2577  
**Yun W.** and **Mohan R.**  
 Heck reaction on solid support: synthesis of indole analogs 7189  
**Yus M.** see Alonso F. 6925  
**Yus M.** see Guijarro A. 5593  
**Yus M.** see Guijarro A. 5597  
**Yusoff M. M.** and **Talaty E. R.**  
 Ring-expansion of an aziridinone to a hexahydrotriazine through the agency of a novel rearrangement 8695  
**Zafar A.** **Yang J.** **Geib S. J.** and **Hamilton A. D.**  
 Linked bis-isophthalic acid derivatives as building blocks in the design of self-assembling structures 2327  
**Zahouilly M.** **Caron G.**  
**Carrupt P.-A.** **Knouzi N.** and **Renaud P.**  
 Diastereoselective radical alkylations of alkyl aryl sulfoxides 8387  
**Zahra J.-P.** see Chauvet F. 3695  
**Zaidi J. H.** see Fauq A. H. 1917  
**Zайдлевич М.** and **Kрземинский М.**  
 Syntheses with organoboranes—VI. Kinetic resolution of vinylic epoxides by the reduction with chiral dialkylboranes 7131  
**Zain R.** see Bolmark M. 3537  
**Zajc B.** see Lakshman M. K. 2529  
**Zaldívar J. M.** see Riego J. M. 513  
**Zamir L. O.** **Zheng Y. F.**  
**Caron G.** **Sauriol F.** and **Mamer O.**  
 Rearrangement of the major taxane from *Taxus canadensis* 6435  
**Zanatta N.** see Bonacorso H. G. 9155  
**Zanda M.** see Bravo P. 6005  
**Zanirato V.** see Barco A. 7599  
**Zannetti M. T.** see Banfi L. 521  
**Zaponakis G.** and **Katerinopoulos H. E.**  
 Asymmetric synthesis of  $\beta$ -alkoxy substituted phenethylamine analogs 3045  
**Zappalà C.** see Bravo P. 6005  
**Zaragoza F.**  
 Solid-phase synthesis of substituted 3-aminothiophenes and 2-methylene-2,3-dihydrothiazoles 6213  
**Zaragoza F.**  
 Corrigendum 7865  
**Zard S. Z.** see Boivin J. 8735  
**Zard S. Z.** see Denieul M.-P. 5495  
**Zard S. Z.** see Laso N. M. 1605  
**Zard S. Z.** see Liard A. 5877  
**Zard S. Z.** see Quiclet-Sire B. 1397  
**Zard S. Z.** see Quiclet-Sire B. 9057  
**Zavialov I. A.** see Petasis N. A. 567  
**Zawacki F. J.** and **Crimmins M. T.**  
 A convenient synthesis of unsymmetrical, substituted  $\gamma$ -pyrones from Meldrum's acid 6499  
**Zefirov N. S.** see Lermontov S. A. 4051  
**Zeghdoudi R.** see Hanna I. 7013  
**Zehnder M.** see Bolm C. 3985  
**Zelchans G.** see Polyak F. 8223  
**Zeng L.** **Zhang Y.** and **McLaughlin J. L.**  
 Gigantrenins A, B, and C, novel mono-THF acetogenins bearing *trans* double bonds, from *Goniothalamus giganteus* (Annonaceae) 5449  
**Zeng X.** **Chen X.** **Cai J.**  
**Jiang X.** and **Gu Y.**  
 A novel aminoalkyl-decyanation of 4-pyridinecarbonitrile with imines: a facile selective synthesis of 4-pyridinemethanamines 3009  
**Zenk M. H.** see Nasreen A. 8161  
**Zepeda G.** see Nagarajan A. 6835  
**Zercher C. K.** see Brogan J. B. 5053  
**Zercher C. K.** see Cebula R. E. J. 8341  
**Zhang C.** **Moran E. J.**  
**Woiwode T. F.** **Short K. M.** and **Mjalli A. M. M.**  
 Synthesis of tetrasubstituted imidazoles via  $\alpha$ -(*N*-acyl-*N*-alkylamino)- $\beta$ -ketamides on Wang resin 751  
**Zhang C.** and **Mjalli A. M. M.**  
 A combinatorial method for the solid phase synthesis of  $\alpha$ -amino phosphonates and phosphonic acids 5457  
**Zhang D.** **Ghosh A.** **Süling C.** and **Miller M. J.**  
 Efficient functionalization of acylnitroso cycloadducts: application to the syntheses of carbocyclic nucleoside precursors 3799  
**Zhang E.** see Maryanoff B. E. 3667  
**Zhang G.** **Farooqui F.**  
**Kinstler O.** and **Letsinger R. L.**  
 Informational liposomes: complexes derived from cholesteryl-conjugated oligonucleotides and liposomes 6243  
**Zhang H.** and **Chan K. S.**  
 Base effect on the cross-coupling of bulky arylboronic acid with halo-pyridines 1043  
**Zhang H.-C.** **Harris B. D.**  
**Maryanoff C. A.** and

- Maryanoff B. E.**  
High 1,6 diastereoselectivity in the hydride reduction of an acyclic ketone substrate via bicyclic chelation control 7897
- Zhang H.-C.** see Maryanoff B. E. 3667
- Zhang H.-W.** see Tso T. S. C. 9249
- Zhang J.** see Mayer J. P. 5633
- Zhang J.** see Mayer J. P. 8081
- Zhang L.** Anzalone L. Ma P., Kauffman G. S., Storace L., and Ward R.  
The chiral specific synthesis of DMP 754, a platelet GPIIb/IIIa antagonist 4455
- Zhang L.** see Lau W. Y. 4297
- Zhang Q.** see Noé E. 5701
- Zhang Q.** see Noé E. 8823
- Zhang Q.** see Wang K. K. 4087
- Zhang Q.-M.** see Sugiyama H. 9067
- Zhang R.** and Madalenoitia J. S.  
Conformational stability of proline oligomers 6235
- Zhang S.** see Galopin C. C. 8675
- Zhang S.** see Soderquist J. A. 2561
- Zhang W.** Hirao T. and Ikeda I.  
Interesting and effective P,N-chelation of tetrasubstituted ferrocene ligands for palladium-catalyzed asymmetric allylic substitution 4454
- Zhang W.** Kida T., Nakatsuji Y. and Ikeda I.  
Novel  $C_2$ -symmetric diphosphine ligand with only the planar chirality of ferrocene 7995
- Zhang W.** and Dowd P.  
Double ring expansions: a new method for making medium and large cyclic ketones 957
- Zhang W.** and Taylor J. W.  
Efficient solid-phase synthesis of peptides with tripodal side-chain bridges and optimization of the solvent conditions for solid-phase cyclizations 2173
- Zhang W.** see Robins M. J. 3921
- Zhang W.-Y.** see Flisak J. R. 4639
- Zhang X.** and Jones R. A.  
A universal allyl linker for solid-phase synthesis 3789
- Zhang X.** and Ulrich P.  
Directed approaches to reactive Maillard intermediates: formation of a novel 3-alkylamino-2-hydroxy-4-hydroxymethyl-2-cyclopenten-1-one ('cypentodine') 4667
- Zhang X.** see Angelis Y. 5991
- Zhang X.** see Jiang Q. 797
- Zhang X.** see Zhu G. 4475
- Zhang Y.** Wada T. and Sasabe H.  
Synthesis of a new carbazole cyclic dimer via Knoevenagel condensation 5909
- Zhang Y.** see Bao W. 9333
- Zhang Y.** see Comins D. L. 793
- Zhang Y.** see Sánchez Peña M. 5841
- Zhang Y.** see Wang D.-K. 4187
- Zhang Y.** see Ying T. 3885
- Zhang Y.** see Zeng L. 5449
- Zhang Y.** see Zoretic P. A. 1751
- Zhang Y.** see Zoretic P. A. 7909
- Zhang Z.** Turro N. J., Johnston L. and Ramamurthy V.  
Role of water in intrazeolite photochemistry 4861
- Zhang Z.** and Tang J. Y.  
A novel phosphorylating reagent for *in situ* generation of deoxyribonucleoside phosphoramidites 331
- Zhang Z. J.** see Crowe W. E. 2117
- Zhao B.** see Brough P. A. 2915
- Zhao B. P.** Panigrahi G. B., Sadowski P. D. and Krepinsky J. J.  
Syntheses of oligonucleotide-amino acid conjugates: using Tentagel and CPG matrices for the synthesis of 3'-phosphoryltyrosine-terminated oligonucleotides 3093
- Zhao K.** see Lau W. Y. 4297
- Zhao K.** see Sun L. 1547
- Zhao K.** see Xiang Y. 3779
- Zhao K.** see Xiang Y. 4877
- Zhao Q.** see Shultz D. A. 8837
- Zhao S.-H.** Miller A. K., Berger J. and Flippin L. A.  
Synthesis of arylpiperazines via palladium-catalyzed aromatic amination reaction with unprotected piperazines 4463
- Zhao S.-H.** Ortiz P. R., Keys B. A. and Davenport K. G.  
Asymmetric epoxidation of unfunctionalized olefins catalyzed by novel manganese-picolinamide-sali cyclidene complexes 2725
- Zhao W.** and Shine H. J.  
Reaction of thianthrene cation radical with alcohols: isolation and chemistry of 5-cyclohexyloxythianthreniumyl perchlorate 1749
- Zhao X.** see Jung K. W. 6491
- Zhao Y.** see Gilbert P. 9115
- Zhao Z.** and Caruthers M. H.  
Synthesis and preliminary biochemical studies with 5'-deoxy-5'-methylidyne phosphonate linked thymidine oligonucleotides 6239
- Zheng B.** see Myers A. G. 4841
- Zheng G.** see Kozyrev A. N. 6431
- Zheng G.** see Kozyrev A. N. 747
- Zheng Y.** see Bao W. 9333
- Zheng Y. F.** see Zamir L. O. 6435
- Zheng Z.** see Cheng J.-P. 1457
- Zhong M.** see Lin G.-Q. 3015
- Zhong Y. Y.** see Lorente A. 4417
- Zhou A.-M.** see Lin J.-M. 5159
- Zhou C.-M.** see Han Y. 3347
- Zhou D.** Sheik M. and Roth H. D.  
Electron transfer induced deprotonation of  $\alpha$ - and  $\beta$ -pinene: evidence for ring-closed vinylcyclobutane radical cations 2385
- Zhou J.** see Bao W. 9333
- Zhou L.** see Cho B. P. 1535
- Zhou P.** see Davis F. A. 3267
- Zhou Q.-L.** see Buck R. T. 7631
- Zhou Q.-L.** see Doyle M. P. 4129
- Zhou R.** see Gao Y. 893
- Zhou S.-Z.** Anné S. and Vandewalle M.  
A practical synthesis of A-ring precursors for 19-nor-10 $\alpha$ ,25-dihydroxy-vitamin D<sub>3</sub> analogues 7637
- Zhou W.** Guo D. and Nes W. D.  
Stereochemistry of hydrogen migration from C-24 to C-25 during biometylation in ergosterol biosynthesis 1339
- Zhou W.-S.** see Liao L.-X. 6371
- Zhou W.-S.** see Xu Y.-M. 1461
- Zhou Z.-Y.** see Sakuda S. 5711
- Zhu B.** see Panek J. S. 8151
- Zhu C.** see Kozyrev A. N. 6431
- Zhu G.** Terry M. and Zhang X.  
Asymmetric allylic alkylation catalyzed by palladium complexes with new chiral ligands 4475
- Zhu H. J.** see Dai W.-M. 5971
- Zhu J.** see Wagner B. 6557
- Zhu X. X.** Ding P. Y. and Cai M. S.  
Studies on carbohydrates—XX. Synthesis of hexasaccharide containing lactosamine unit using glycosyl trichloroacetates as glycosyl donors 8549
- Zhu Z.** Lippa B. S. and Townsend L. B.  
A novel photo-assisted annulation reaction for the synthesis of 6,7-dichloro-imidazo[4,5-*b*]quinolin-2-one 1937
- Zhu Z.** and Townsend L. B.  
Regioselective ribosylation of 6,7-dichloroimidazo[4,5-*b*]quinolin-2-one 3263
- Zhu Z.** see Gung B. W. 2189

- Zhu Z. Tian W. and Liao Q.**  
A practical procedure for chemo- and regioselective conversion of steroid 3-ketones into the corresponding enol sulfonates using 3-oxa-octafluoropentano-sulfonyl fluoride 8553
- Zhuang Z.-P. see**  
Fortunak J. M. D. 5679
- Zhuang Z.-P. see**  
Fortunak J. M. D. 5683
- Ziat K. see Fanni S.** 7975
- Zibuck R. see Rood G. A.** 157
- Ziegler F. E. and**  
**Petersen A. K.**  
Tandem cyclopropylcarbinyl/oxiranylcarbinyl radical rearrangements: an entry into the prostaglandin B<sub>1</sub> series 809
- Ziegler F. E. and Wang Y.**  
Carbon–carbon bond forming reactions with oxiranyl radicals 6299
- Ziessel R. and Suffert J.**  
Stepwise construction of polyalkyne modules grafted on oligopyridine synthons 2011
- Ziessel R. see Ulrich G.** 8755
- Zimmermann G. see**  
Hofmann J. 2399
- Zimmermann K. Goddard R.**  
**Krüger C. and Haenel M. W.**  
2,5,8,11,14,17-Hexa-*t*-butyldecacyclene and 1,7,13-/1,6,12-tri-*t*-butyldecacyclene: possible precursors for bowl-shaped polycyclic arenes 8371
- Zimmermann P. see**  
Bildstein S. 4941
- Zink D. L. see** Singh S. B. 8077
- Zmijewski M. J. see**  
Costello C. A. 7469
- Zoghbi S. S. see** Tamagnan G. 4353
- Zöllner S. see** Coudret J. L. 2425
- Zoretic P. A. Chen Z.**
- Zhang Y. and Ribeiro A. A.**  
A radical prototype to steroids: synthesis of *d,l*-5 $\alpha$ -D-homoandrostane-4 $\alpha$ -methyl-3,17a-dione 7909
- Zoretic P. A. Zhang Y. and**  
**Ribeiro A. A.**  
An intramolecular radical approach to angular electrophores in polycyclic systems 1751
- Zou R. and Matteucci M. D.**  
Synthesis and hybridization properties of an oligonucleotide analog containing a glucose-derived conformation-restricted ribose moiety and 2', 5' formacetal linkages 941
- Zubaidha P. K. see**  
Chavan S. P. 233
- Zubaidha P. K. see**  
Chavan S. P. 237
- Zubkowski J. D. see**  
McMills M. C. 7205
- Zucco C. see** Rezende M. C. 5265
- Zuckermann R. N. see**  
Goff D. A. 6247
- Zulaica E. see** Amat M. 5217
- Zulaica E. see** Bennasar M.-L. 6611
- Zupan M. see** Stavber S. 3591
- Zuurmond H. see** Dondoni A. 7587
- Zwanenburg B. see**  
Bakkeren F. J. A. D. 8003
- Zwanenburg B. see**  
Thuring J. W. J. F. 4759
- Zweifel M. J. see**  
Rodriguez M. J. 4301