

## Contents of Volume 690

### Issue 1

#### Regular Papers

- Functional phosphines XV. Ruthenium complexes containing  $C_5H_8(PR_2)_2$  and  $Ph_2PCH_2CR'_2NH_2$  ligands ( $R = Me, Ph, OPh$ ;  $R' = H, Me$ ): synthesis and application to homogeneous  $>C=O$  hydrogenation and transfer hydrogenation  
L. Dahlenburg, C. Kühnlein ..... 1
- Bis(enamino-Cp) Group 4 metal complex chemistry: developing a Mannich-type carbon–carbon coupling reaction at the bent metallocene framework  
S. Knüppel, C. Wang, G. Kehr, R. Fröhlich, G. Erker ..... 14
- 4-Silapiperidine and 4-silapiperidinium derivatives: syntheses and structural characterization  
T. Heinrich, C. Burschka, M. Penka, B. Wagner, R. Tacke ..... 33
- Exploration on  $Au(S-4-py)PR_3$  complexes as a viable building block for constructing hetero-nuclear supramolecules: synthesis and X-ray study on  $M(acac')_2[Au(S-4-py)PR_3]_2(ClO_4)_x$  ( $M = Cr, Cu$ ;  $acac' =$  acetylacetonate, hexafluoro-acetylacetonate;  $x = 0$  or 1)  
K. Nunokawa, S. Onaka, Y. Mizuno, K. Okazaki, T. Sunahara, M. Ito, M. Yaguchi, H. Imai, K. Inoue, T. Ozeki, H. Chiba, T. Yosida ..... 48
- The effect of carbon chain length of the diphosphine ligand on the aurophilic interaction. Synthesis and X-ray structural study for a series of  $Au(I)$  compounds with  $Ph_2P-R-PPh_2$  and  $S-(CH_2)_n-py$  ligands  
S. Onaka, M. Yaguchi, R. Yamauchi, T. Ozeki, M. Ito, T. Sunahara, Y. Sugiura, M. Shiotsuka, K. Nunokawa, M. Horibe, K. Okazaki, A. Iida, H. Chiba, K. Inoue, H. Imai, K. Sako ..... 57
- Organometallic compounds of Group 13 elements containing the ligand  $C(SiMe_3)_2(SiMe_2C_5H_4N-2)$   
J. Howson, C. Eaborn, P.B. Hitchcock, M.S. Hill, J.D. Smith ..... 69
- Lithium perchlorate suspend in methylene chloride, a mild, efficient and reusable catalyst for the synthesis of ferrocene aminonitrile derivatives  
R. Yousefi, N. Azizi, M.R. Saidi ..... 76
- Synthesis and reactions of *p*-vinylbenzyltris(trimethylsilyl)methane  
K.D. Safa, M. Babazadeh ..... 79
- Theoretical study on interaction of different coordination modes of  $BH_4$  ligand with transition metal in  $[TM(BH_4)(CO)_4]^-$  ( $TM = Cr, Mo$ )  
A. Ariaifard, M.M. Amini ..... 84
- Synthesis of the first examples of stable heterometallic isopropoxides of an organometallic  $RSn(IV)$  moiety  
N.B. Sharma, A. Singh, R.C. Mehrotra ..... 96
- Synthesis and structure of *N*-arylimines of  $\beta$ -tellurocyclohexenals with the intramolecular coordination  $N \rightarrow Te$  bonds  
I.D. Sadekov, V.I. Minkin, A.V. Zakharov, A.G. Starikov, G.S. Borodkin, S.M. Aldoshin, V.V. Tkachev, G.V. Shilov, F.J. Berry ..... 103
- Synthesis, characterization and antitumor properties of titanocene derivatives with thiophene containing ligands  
R. Meyer, S. Brink, C.E.J. van Rensburg, G.K. Jooné, H. Görls, S. Lotz ..... 117
- Reactions of  $\alpha$ -dithiolate ligands with bis(cyclopentadienyl)molybdenum dichloride; crystal structures of  $Mo(\eta-C_5H_5)_2\{S(CH_2)_nS\}$  ( $n = 2, 3$ ) and a layered hydrate,  $Mo(\eta-C_5H_5)_2(SCH_2CH_2O) \cdot 4.5H_2O$   
W.E. Lindsell, G.M. Rosair, M.M. Rothmann ..... 126
- Triorganotin(IV) derivatives of umbelliferone (7-hydroxycoumarin) and their adducts with 1,10-phenanthroline: synthesis, structural and biological studies  
M. Nath, R. Jairath, G. Eng, X. Song, A. Kumar ..... 134

EPR study of mono- <i>o</i> -iminobenzosemiquinonato nickel(II) complexes with Ni–C $\sigma$ -bond A.I. Poddel'sky, V.K. Cherkasov, M.P. Bubnov, L.G. Abakumova, G.A. Abakumov .....	145
Synthesis, crystal structures and in vitro antitumor activities of some organoantimony arylhydroxamates G.-C. Wang, Y.-N. Lu, J. Xiao, L. Yu, H.-B. Song, J.-S. Li, J.-R. Cui, R.-Q. Wang, F.-X. Ran .....	151
Deprotonated diindolylmethanes as dianionic analogues of scorpionate bis(pyrazolyl)borate ligands: synthesis and structural characterization of representative titanocene and zirconocene complexes M.R. Mason, D. Ogrin, B. Fneich, T.S. Barnard, K. Kirschbaum .....	157
Activation of 1,3,5-trimethyl-1,3,5-triazacyclohexane by Os <sub>3</sub> (CO) <sub>12</sub> to form amidino [(MeN) <sub>2</sub> CH] cluster complexes Y.-C. Liu, W.-Y. Yeh, G.-H. Lee, S.-M. Peng .....	163
Dimethylplatinum (II) complexes with isocyanocoumarin ligands: the crystal structure of <i>cis</i> -dimethylbis-(7-diethylamino-3-isocyanocoumarin)platinum(II) C. Anderson, D.A. Freedman, M. Jennings, B. Gray .....	168
Carbon-rich organometallics: synthesis and characterization of new ferrocenyl end-capped bis(butadiynyl) fluorene derivatives W.-Y. Wong, G.-L. Lu, K.-H. Choi, Y.-H. Guo .....	177
A theoretical investigation of the photo-induced intramolecular charge transfer excitation of cuprous (I) bis-phenanthroline by density functional theory X. Wang, C. Lv, M. Koyama, M. Kubo, A. Miyamoto .....	187
[Me <sub>8</sub> Pt <sub>4</sub> ReS <sub>4</sub> ] <sup>−</sup> and related PtMe <sub>2</sub> -containing clusters derived from tetrathiorhenate H. Yao, T.B. Rauchfuss, S.R. Wilson .....	193
Imino- and bis-imino-pyridines with <i>N-ter</i> -butyl- <i>N</i> -aminoxyl group: synthesis, oxidation and use as ligand towards M <sup>2+</sup> (Mn, Ni, Zn) and Gd <sup>3+</sup> C. Uerpmann, B.J.L. Henner, C. Guérin, F. Carré .....	197
P-chirogenic phosphines. MOP/diPAMP hybrids, their oxide crystal structures, reduction studies and alternative syntheses L.J. Higham, E.F. Clarke, H. Müller-Bunz, D.G. Gilheany .....	211
Synthesis of 2,5-bis{(diethyl-3'-indolyl)methyl}furan and its <i>N,N'</i> -dimetallated complexes (lithium, sodium and potassium): X-ray crystal structures of 2,5-bis{(diethyl-3'-indolyl)methyl}furan and the polymeric tetrahydrofuran adduct of the dilithiated complex J. Wang, D.N. Stringer, M.G. Gardiner, B.W. Skelton, A.H. White .....	220
Study of the reactivity of palladacycles containing [C(sp <sup>2</sup> , ferrocene),N,S] <sup>−</sup> or [C(sp <sup>3</sup> ),N,S] <sup>−</sup> terdentate ligands with symmetric alkynes C. López, S. Pérez, X. Solans, M. Font-Bardía .....	228
<b>Note</b>	
One-pot synthesis of nickel porphyrins with 2-pyridine-acetyl substituents: the unexpected Sonogashira cross-coupling products C.-Y. Lin, L.-C. Chuang, G.-H. Lee, S.-M. Peng .....	244
<b>Issue 2</b>	
<b>Communication</b>	
Rational synthesis of trinuclear (WIr <sub>2</sub> ) cluster from the 16-electron half-sandwich complex Cp*Ir[Se <sub>2</sub> C <sub>2</sub> (B <sub>10</sub> H <sub>10</sub> )] J.-Q. Wang, L. Weng, G.-X. Jin .....	249
<b>Regular papers</b>	
Bimetallic complexes with porphyrins containing a cyclometalated phenylpyridine group K.-M. Cheung, Q.-F. Zhang, W.-L. Mak, H.H.Y. Sung, I.D. Williams, W.-H. Leung .....	253
Mesogens based on palladium orthometallated complexes with carboxylato bridges: tuning and shaping a non-planar molecule L. Díez, P. Espinet, J.A. Miguel, M.P. Rodríguez-Medina .....	261
Synthesis and properties of Zr–Co heterodinuclear complexes with a bridging bis(cyclopentadienyl) ligand J. Kuwabara, D. Takeuchi, K. Osakada .....	269
The effect of titanium alkoxides in the synthesis of heterobimetallic complexes by titanocene(III) alkoxide-induced metal–metal bond cleavage of metal carbonyl dimers S. Niiyayashi, K. Mitsui, Y. Motoyama, H. Nagashima .....	276
Two noncentrosymmetric complexes: [W(CO) <sub>4</sub> (bipy)] and [W(CO) <sub>4</sub> (phen)](bipy = 2,2'-bipyridine, phen = 1,10-phenanthroline) obtained through solvothermal synthesis and their optical properties Q. Ye, Q. Wu, H. Zhao, Y.-M. Song, X. Xue, R.-G. Xiong, S.-M. Pang, G.-H. Lee .....	286

Syntheses, structures, and properties of phenyltrihydroborate complexes of zirconocene and titanocene F.-C. Liu, J.-H. Chen, S.-C. Chen, K.-Y. Chen, G.-H. Lee, S.-M. Peng .....	291
Ruthenium titanocene and ruthenium titanium half-sandwich bimetallic complexes in catalytic cyclopropanation J. Goux, P. Le Gendre, P. Richard, C. Moïse .....	301
The first evidence for a transient stibaallene $\text{ArSb}=\text{C}=\text{CR}_2$ L. Baiget, H. Ranaivonjatovo, J. Escudié, G.C. Nemes, I. Silaghi-Dumitrescu, L. Silaghi-Dumitrescu .....	307
Secondary bonding in functionalized organotellurium compounds: preparation and structural characterization of bis(acetamido)tellurium(IV) diiodide and bis(4-methylbenzoylmethyl)tellurium(II) A.K.S. Chauhan, Anamika, A. Kumar, R.C. Srivastava, R.J. Butcher .....	313
The photochemical reaction of $\text{Os}_3(\text{CO})_{10}(\mu\text{-H})(\mu\text{-}\gamma\text{-C}_5\text{H}_3\text{O}_2)$ , a triosmium cluster carrying a $\gamma$ -pyrone ligand, with dimethylacetylenedi-carboxylate: formation of isomeric clusters Q. Lin, W.K. Leong .....	322
Diiodine complex of diferrocenyl(phenyl)phosphine sulfide: the structural and electrochemical behaviour of $\text{Fc}_2(\text{Ph})\text{PS} \cdot \text{I}_2$ N. Bricklebank, S.J. Coles, S.D. Forder, M.B. Hursthouse, A. Poulton, P.J. Skabara .....	328
Synthesis of oligomers having a pendant dithienosilole unit and their applications to EL device materials K.-H. Lee, J. Ohshita, K. Kimura, Y. Kunugi, A. Kunai .....	333
Theoretical studies on the ground states in $\text{M}(\text{terpyridine})_2^{2+}$ and $\text{M}(n\text{-butyl-phenylterpyridine})_2^{2+}$ ( $\text{M} = \text{Fe}, \text{Ru}, \text{Os}$ ) and excited states in $\text{Ru}(\text{terpyridine})_2^{2+}$ using density functional theory X. Zhou, A.-M. Ren, J.-K. Feng .....	338
Diiron-aminocarbene complexes with amine or imine ligands: C–N coupling between imine and aminocarbene ligands promoted by tolyl-acetylide addition to $[\text{Fe}_2\{\mu\text{-CN}(\text{Me})\text{R}\}(\mu\text{-CO})(\text{CO})(\text{NH}=\text{CPh}_2)(\text{Cp})_2][\text{SO}_3\text{CF}_3]$ L. Busetto, F. Marchetti, S. Zacchini, V. Zanotti, E. Zoli .....	348
Chiral cyclopentadiene-mediated approach to enantioselective heterobimetallic Pauson–Khand reactions R. Rios, S. Paredes, M.A. Pericás, A. Moyano .....	358
Electroactive poly zinc, cadmium, manganese ferrocenylphenylphosphinates O. Oms, J.L. Bideau, A. Vioux, D. Leclercq .....	363
On the behaviour of Ru(I) and Ru(II) carbonyl acetates in the presence of $\text{H}_2$ and/or acetic acid and their role in the catalytic hydrogenation of acetic acid A. Salvini, P. Frediani, C. Giannelli, L. Rosi .....	371
Synthesis and structural characterization of <i>N</i> -para-ferrocenyl benzoyl amino acid ethyl esters and the X-ray crystal structures of the glycol and ( $\pm$ )-2-aminobutyric acid derivative $\text{Fc-C}_6\text{H}_4\text{CONHCH}(\text{C}_2\text{H}_5)\text{CO}_2\text{Et}$ D. Savage, G. Malone, J.F. Gallagher, Y. Ida, P.T.M. Kenny .....	383
Syntheses, crystal structures, and third-order nonlinear optical properties of two novel Mo/Cu/S clusters: $[\text{MoS}_4\text{Cu}_4(\alpha\text{-MePy})_5\text{Br}_2] \cdot 2(\alpha\text{-MePy})_{0.5}$ and $[\text{MoS}_4\text{Cu}_4(\alpha\text{-MePy})_3\text{Br}](\mu\text{-Br}) \cdot (\alpha\text{-MePy})_n$ ( $\alpha\text{-MePy} = \alpha\text{-methylpyridine}$ ) W.-H. Zhang, J.-X. Chen, H.-X. Li, B. Wu, X.-Y. Tang, Z.-G. Ren, Y. Zhang, J.-P. Lang, Z.-R. Sun .....	394
Synthesis and structural characterization of metal complexes based on pyrazole/imidazolium chlorides H.M. Lee, P.L. Chiu, C.-H. Hu, C.-L. Lai, Y.-C. Chou .....	403
Structural characterization and catalytic activities of copper complexes with pyridine-amine-phosphine-oxide ligand W. Tsai, Y.-H. Liu, S.-M. Peng, S.-T. Liu .....	415
The cyclopalladation reaction of 2-phenylaniline revisited J. Albert, J. Granell, J. Zafrilla, M. Font-Bardia, X. Solans .....	422
Efficient synthesis of ferrocenylenones by Friedel–Crafts acylation with $\text{EtAlCl}_2\text{-Me}_3\text{Al}$ Ö. Dogan, V. Şenol, S. Zeytinci, H. Koyuncu, A. Bulut .....	430
Synthesis and spectroscopic properties of [ <i>N</i> -(4-carboxyphenyl) salicylideneiminato] di- and tri-organotin (IV) complexes and crystal structures of $\{[\text{Bu}_2\text{Sn}(2\text{-OHC}_6\text{H}_4\text{CH}=\text{NC}_6\text{H}_4\text{COO})_2\text{O}]_2\}$ and $\text{Ph}_3\text{Sn}(2\text{-OHC}_6\text{H}_4\text{CH}=\text{NC}_6\text{H}_4\text{COO})$ H.D. Yin, Q.B. Wang, S.C. Xue .....	435
$\text{Os}(\text{CO})_2(\eta^2\text{-SC}_5\text{H}_4\text{N}(\text{O}))(\eta^2\text{-SC}_5\text{H}_4\text{N})$ : structural evidence for the transformation of pyridine-2-thione <i>N</i> -oxide to pyridine-2-thiolate in osmium complexes F.-Y. Lee, J.-J. Huang, Y.-J. Chen, K.-J. Lin, G.-H. Lee, S.-M. Peng, J. Ru Hwu, K.-L. Lu .....	441

An access to original 3,3-bis(phospholy)lactones Z. Duan, B. Donnadiu, F. Mathey .....	450
Orthopalladacycles derived from $\alpha$ -diphenylhydrazonoketene dithioacetals and their reactivity with terminal alkynes F. Ortega-Jiménez, J.G. López-Cortés, M.C. Ortega-Alfaro, A. Toscano, G. Penieres, R. Quijada, C. Alvarez .....	454
Cyclopentadienyl-functionalised polyhedral silsesquioxanes as building blocks for new nanostructured materials M. Bent, Y. Gun'ko .....	463
Synthesis and characterization of novel intramolecularly base-stabilized BEt <sub>2</sub> and BEt derivatives: molecular structures of 1-Et <sub>2</sub> BOCPh <sub>2</sub> -2-NMe <sub>2</sub> C <sub>6</sub> H <sub>4</sub> , 1-(CH <sub>3</sub> COO)EtBOCCy <sub>2</sub> -2-NMe <sub>2</sub> C <sub>6</sub> H <sub>4</sub> and BEt(1-OCPh <sub>2</sub> CH <sub>2</sub> -2-NMe <sub>2</sub> C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> H.T. Al-Masri, J. Sieler, P.C. Junk, K.V. Domasevitch, E. Hey-Hawkins .....	469
Suzuki and Heck coupling reactions mediated by palladium complexes bearing <i>trans</i> -spanning diphosphines R.C. Smith, C.R. Bodner, M.J. Earl, N.C. Sears, N.E. Hill, L.M. Bishop, N. Sizemore, D.T. Hehemann, J.J. Bohn, J.D. Protasiewicz .....	477
Molecular conformations and $\pi$ -hydrogen bonds in <i>anti</i> - and <i>syn</i> -binuclear Rh(I) complexes of <i>as</i> -indacene-diide: a computational study L. Orian, P. Ganis, S. Santi, A. Ceccon .....	482
Syntheses and structures of missing links among polybromocyclopentadienyl rhenium and manganese tricarbonyl complexes L.V. Dinh, F. Hampel, J.A. Gladysz .....	493
Dinuclear and trinuclear osmium complexes incorporating 1,2-bis(2-pyridyl)ethene as doubly and triply bridging ligands: crystal structures of [Os <sub>2</sub> ( $\mu$ : $\eta^4$ -C <sub>12</sub> H <sub>10</sub> N <sub>2</sub> )(CO) <sub>6</sub> ], [Os <sub>3</sub> ( $\mu$ -H) <sub>2</sub> ( $\mu_3$ : $\eta^3$ -C <sub>12</sub> H <sub>10</sub> N <sub>2</sub> )(CO) <sub>8</sub> ] and [Os <sub>3</sub> ( $\mu$ -H)( $\mu^3$ : $\eta^4$ -C <sub>12</sub> H <sub>9</sub> N <sub>2</sub> )(CO) <sub>8</sub> ] R.A. Machado, D. Rivillo, Alejandro J.Arce, Y.D. Sanctis, A.J. Deeming, L. D'Ornelas, T. González, R. Atencio .....	504
Synthesis and X-ray structure of cationic $\beta$ -diimine palladium complexes containing $\pi$ -methallyl ligand K. Landolsi, P. Richard, F. Bouachir .....	513
Syntheses, crystal structures and coordination modes of tri- and di-organotin derivatives with 2-mercapto-4-methylpyrimidine C. Ma, J. Zhang, G. Tian, R. Zhang .....	519
<b>Note</b>	
Synthesis and characterization of chromium and molybdenum(0) complexes bearing the (pentafluoroethyl)diphenylphosphine (pfepp) ligand J.D. Palcic, R.G. Baughman, M.V. Golynskiy, S.B. Frawley, R.G. Peters .....	534
<b>Issue 3</b>	
<b>Review</b>	
Group 6 Fischer carbene complexes: “chemical multitalents” for multi-component reactions J. Barluenga, M.A. Fernández-Rodríguez, E. Aguilar .....	539
<b>Regular papers</b>	
A strikingly fast route to methylmercury acetylides as a new opportunity for monomethylmercury detection M. Lombardo, I. Vassura, D. Fabbri, C. Trombini .....	588
Iron(II) and iron(III) complexes containing ethynyl thiophene fragments S. Roué, C. Lapinte .....	594
Intermolecular versus intramolecular C–H activation reaction in the thermolysis of [Ru(Me)Cp*(PMe <sub>2</sub> Ph) <sub>2</sub> ] (Cp* = $\eta^5$ -C <sub>5</sub> Me <sub>5</sub> ): formation and crystallographic characterisation of [Ru(Ph)Cp*(PMe <sub>2</sub> Ph) <sub>2</sub> ] P. Diversi, M. Fuligni, F. Marchetti, C. Pinzino .....	605
Synthesis and characterization of triphenyltin(IV) 5-[( <i>E</i> )-2-(aryl)-1-diazenyl]-2-hydroxybenzoates. Crystal and molecular structures of Ph <sub>3</sub> Sn{O <sub>2</sub> CC <sub>6</sub> H <sub>3</sub> - <i>p</i> -OH[N=N(C <sub>6</sub> H <sub>4</sub> -4-CH <sub>3</sub> )]} and the 2,2'-bipyridine adduct Ph <sub>3</sub> Sn{O <sub>2</sub> CC <sub>6</sub> H <sub>3</sub> - <i>p</i> -OH[N=N(C <sub>6</sub> H <sub>4</sub> -2-CH <sub>3</sub> )]}OH <sub>2</sub> · C <sub>10</sub> H <sub>8</sub> N <sub>2</sub> T.S. Basu Baul, W. Rynjah, E. Rivarola, A. Linden .....	613
Two isomeric products [Os <sub>3</sub> ( $\mu$ -H)(C <sub>14</sub> H <sub>9</sub> N <sub>4</sub> )(CO) <sub>9</sub> ] formed by orthometallation of the cluster [Os <sub>3</sub> (C <sub>14</sub> H <sub>10</sub> N <sub>4</sub> )(CO) <sub>10</sub> ] containing the chelating ligand 2,3-bis(2-pyridyl)pyrazine R.A. Machado, M.C. Goite, A.J. Arce, Y.D. Sanctis, A.J. Deeming, L. D'Ornelas, D.A. Oliveros .....	622
Synthetic, structural, spectroscopic, and electrochemical studies of mixed sandwich Rh(III) and Ir(III) complexes involving Cp* and tridentate macrocycles G.J. Grant, J.P. Lee, M.L. Helm, D.G. VanDerveer, W.T. Pennington, J.L. Harris, L.F. Mehne, D.W. Klinger .....	629
NMR evidence for B(C <sub>6</sub> F <sub>5</sub> ) <sub>3</sub> attack on the inward position of a highly hindered <i>meso ansa</i> -zirconocene D. Maggioni, T. Beringhelli, G. D'Alfonso, L. Resconi .....	640

Rhodium(III) pentamethyl cyclopentadienyl complexes incorporating 1-(4-cyanophenyl)-imidazole: role of solvent in ligand substitution reactions S.K. Singh, M. Trivedi, M. Chandra, D.S. Pandey .....	647
Synthesis of a new bidentate ferrocenyl <i>N</i> -heterocyclic carbene ligand precursor and the palladium (II) complex <i>trans</i> -[PdCl <sub>2</sub> (C <sup>∧</sup> fc <sup>∧</sup> C)], where (C <sup>∧</sup> fc <sup>∧</sup> C) = 1,1'-di- <i>tert</i> -butyl-3,3'-(1,1'-dimethyleneferrocenyl)-diimidazol-2-ylidene K.S. Coleman, S. Turberville, S.I. Pascu, M.L.H. Green .....	653
Preparation of $\alpha$ -substituted $\gamma$ -alkoxyallylstannanes from $\beta$ -tributylstannyl acrolein acetals: scope of the method and primary rationalization of the obtained results F. Fliegel, I. Beaudet, S. Watrelot-Bourdeau, N. Cornet, J.-P. Quintard .....	659
Synthesis and molecular structure of ( $\eta^5$ -pentamethyl-cyclopentadienyl) ( $\eta^5$ -cyclopentadienyl) hexacarbonyl molybdenum tungsten T. Straub, M. Haukka, M. Brunner, A.M.P. Koskinen, T.A. Pakkanen .....	674
$\beta$ -Carbonylsilanes with a silacyclohexane skeleton and additional <i>C</i> -functionalized organyl groups at the silicon atom: synthesis, reactivity, and NMR-spectroscopic characterization J.O. Dai, C. Burschka, R. Tacke .....	678
Photochemical reactions of W(CO) <sub>6</sub> with hydrosilanes: synthesis, spectroscopic characteristic, and crystal structure of W(CO) <sub>3</sub> ( $\eta^6$ -PhSiHPh <sub>2</sub> ) A. Gądek, A. Kochel, T. Szymańska-Buzar .....	685
Cyclisation of diferrocenylbutadiyne dicobalt hexacarbonyl mono-adduct to novel ferrocenotropones G. Laus, H. Schottenberger, J. Lukasser, K. Wurst, J. Schütz, K.-H. Ongania, L. Zsolnai .....	691
Kronenether-funktionalisierte Carbosilandendrimere R. Buschbeck, H. Lang .....	696
Rhodium(III) and palladium(II) complexes of some P-heterocycles; synthesis and X-ray structures I.L. Odinets, N.M. Vinogradova, K.A. Lyssenko, D.G. Golovanov, P.V. Petrovskii, T.A. Mastryukova, H. Szelke, N.B. Szabó, G. Keglevich .....	704
Chromium imine and amine complexes as homogeneous catalysts for the trimerisation and polymerisation of ethylene M.E. Bluhm, O. Walter, M. Döring .....	713
Reactions of 1,2-catechol with <sup>t</sup> Bu <sub>3</sub> M (M = Ga, In). Structures of intermediate products W. Ziemkowska, P. Stella, R. Anulewicz-Ostrowska .....	722
Non-degenerate 1,2-silyl shift in silyl substituted alkyltrimethylcyclopentadienes J. Pinkas, J. Kubišta, R. Gyepes, J. Čejka, P. Meunier, K. Mach .....	731
Chiral “P–N–P” ligands, (C <sub>20</sub> H <sub>12</sub> O <sub>2</sub> )PN(R)PY <sub>2</sub> [R = CHMe <sub>2</sub> , Y = C <sub>6</sub> H <sub>5</sub> , OC <sub>6</sub> H <sub>5</sub> , OC <sub>6</sub> H <sub>4</sub> -4-Me, OC <sub>6</sub> H <sub>4</sub> -4-OMe or OC <sub>6</sub> H <sub>4</sub> -4- <sup>t</sup> Bu] and their allyl palladium complexes S.K. Mandal, G.A. Nagana Gowda, S.S. Krishnamurthy, T. Stey, D. Stalke .....	742
Carbosiloxandendrimere mit terminalen SiH-Bindungen R. Buschbeck, H. Sachse, H. Lang .....	751
Reactions of lithiated 2,5-dimethylazaferrocene with selected electrophiles K. Kowalski, J. Zakrzewski, L. Jerzykiewicz .....	764
Polymerization of ethene with zirconocene catalysts: an experimental and quantum chemical study of the influence of <i>para</i> -substituent in benzyl in bis{ $\eta^5$ -(1-benzyl)indenyl}zirconium dichlorides E. Aitola, M. Surakka, T. Repo, M. Linnolahti, K. Lappalainen, K. Kervinen, M. Klinga, T. Pakkanen, M. Leskelä .....	773
Ruthenium carbonyl clusters containing PMe <sub>2</sub> (nap) and derived ligands (nap = 1-naphthyl): generation of naphthalene derivatives M.I. Bruce, P.A. Humphrey, R. Schmutzler, B.W. Skelton, A.H. White .....	784
Further reactions of some bis(vinylidene)diruthenium complexes M.I. Bruce, B.G. Ellis, B.W. Skelton, A.H. White .....	792
Synthesis, NMR, IR spectroscopic and X-ray study of novel [pyridazin-3(2H)-one-6-yl]ferrocenes and related ferrocenophane derivatives. Study on ferrocenes. Part 14 A. Csámpai, Á. Abrán, V. Kudar, G. Túrós, H. Wamhoff, P. Sohár .....	802
Synthesis and electrochemistry of novel heteronuclear Fe–Ru bi- and quatermetalocenes, conjugatively connected by ethene and thiophene bridges D. Obendorf, H. Schottenberger, K. Wurst, N. Schuler, G. Laus .....	811

One-pot synthesis of the new dianionic ligand $[\text{Na}]_2[\text{C}_5\text{H}_4\text{CO}_2(\text{CH}_2)_2\text{NTs}]$ ; preparation and structures of two rhodium derivatives L. Busetto, M.C. Cassani, R. Mazzoni, V.G. Albano, P. Sabatino .....	818
<b>Note</b>	
A study of molybdenum catalysts in the polymerization of 2,5-didodecyl-1,4-dipropynylbenzene R.K. Bly, K.M. Dyke, U.H.F. Bunz .....	825
<b>Issue 4</b>	
<b>Communication</b>	
Synthesis and characterization of ionic organotin compounds $[\text{R}_2\text{SnCl}_2(2\text{-quin})]^- (\text{HNEt}_3)^+$ and crystal structures of $[(2,4\text{-Cl}_2\text{-C}_6\text{H}_3\text{CH}_2)_2\text{SnCl}_2(2\text{-quin})]^- (\text{HNEt}_3)^+$ H.D. Yin, Q.B. Wang, S.C. Xue .....	831
<b>Regular papers</b>	
Hydride addition at $\mu$ -vinyliminium ligand obtained from disubstituted alkynes V.G. Albano, L. Busetto, F. Marchetti, M. Monari, S. Zacchini, V. Zanotti .....	837
Selective functionalization of crown ethers via arene chromium tricarbonyl complexes A. Ben Hadj Amor, S. Top, F. Meganem, G. Jaouen .....	847
Organometallic emitting dyes: Palladium(II) Nile red complexes M.L. Deda, M. Ghedini, I. Aiello, T. Pugliese, F. Barigelletti, G. Accorsi .....	857
Mechanistic studies on reaction of $[\text{ReH}_4(\eta^2\text{-H}_2)(\text{Cytpt})]^+$ with ketones to give the hydrido-oxo complex $[\text{ReH}_2(\text{O})(\text{Cytpt})]^+$ (Cytpt = $\text{PhP}(\text{CH}_2\text{CH}_2\text{CH}_2\text{PCy}_2)_2$ ) D.E. Rende, A. Wojcicki .....	862
Titanium and zirconium ketimide complexes: synthesis and ethylene polymerisation catalysis A.M. Martins, M.M. Marques, J.R. Ascenso, A.R. Dias, M.T. Duarte, A.C. Fernandes, S. Fernandes, M.J. Ferreira, I. Matos, M. Conceição Oliveira, S.S. Rodrigues, C. Wilson .....	874
Syntheses and characterization of $[(\eta^6\text{-C}_6\text{Me}_6)\text{Ru}(\mu\text{-N}_3)(\text{X})_2]$ ( $\text{X} = \text{N}_3$ and $\text{Cl}$ ) complexes and their reactions towards mono- and bidentate ligands P. Govindaswamy, P.J. Carroll, Y.A. Mozharivskiy, M.R. Kollipara .....	885
Copolymerization of ethylene/unsaturated alcohols using nickel catalysts: effect of the ligand on the activity and comonomer incorporation S. Fernandes, A. Soares, F. Lemos, M.A.N.D.A. Lemos, J.F. Mano, R.J. Maldanis, M.D. Rausch, J.C.W. Chien, M.M. Marques .....	895
Binuclear complexes of rhodium (I) bridged by 1,2-dicarba- <i>closo</i> -dodecaborane-1,2-dichalcogenolato ligands: molecular structures of the complexes $[\text{Rh}_2(\text{COD})_2(\mu_2\text{-E}_2\text{C}_2(\text{B}_{10}\text{H}_{10}))]$ [ $\text{E} = \text{S}, \text{Se}$ ] and $[\text{Rh}_2(\text{CO})_4(\mu_2\text{-S}_2\text{C}_2(\text{B}_{10}\text{H}_{10}))]$ S. Cai, X. Hou, L.-H. Weng, G.-X. Jin .....	910
Towards understanding monomer coordination in atom transfer radical polymerization: synthesis of $[\text{Cu}^{\text{I}}(\text{PMDETA})(\pi\text{-M})][\text{BPh}_4]$ ( $\text{M} =$ methyl acrylate, styrene, 1-octene, and methyl methacrylate) and structural studies by FT-IR and $^1\text{H}$ NMR spectroscopy and X-ray crystallography W.A. Braunecker, T. Pintauer, N.V. Tsarevsky, G. Kickelbick and K. Matyjaszewski .....	916
Structure and reactivity of derivatives of dihalogenomethyl indium(III) halides, $\text{X}_2\text{InCHX}_2$ ( $\text{X} = \text{Cl}, \text{Br}, \text{I}$ ) C. Peppe, D.G. Tuck, F.M. de Andrade, J.A. Nóbrega, M.A. Brown, R.A. Burrow .....	925
Transition metal catalyzed cross-coupling of aryl Grignard reagents with aryl fluorides via Pd- or Ni-activation of the C–F bond: an efficient synthesis of unsymmetrical biaryls – application of microwave technology in ligand and catalyst screening J.W. Dankwardt .....	932
Dendritic $\beta$ -diketiminato titanium and zirconium complexes: synthesis and ethylene polymerisation R. Andrés, E. de Jesús, F.J. de la Mata, J.C. Flores, R. Gómez .....	939
Synthesis and crystal structures of some cobalt halide derivatives containing alkyl or silanolato groups A. Asadi, C. Eaborn, M.S. Hill, P.B. Hitchcock, J.D. Smith .....	944
Synthesis and characterization of methyl-phenyl-substituted cyclopentadienyl zirconium complexes G. Martínez, P. Royo, E. Herdtweck .....	952
A laser desorption ionization mass spectrometry investigation of triarylboranes and tri-9-anthrylborane photolysis products B.G. Ramsey, M.E. Bier .....	962

A 2-iridathiophene from reaction between $\text{IrCl}(\text{CS})(\text{PPh}_3)_2$ and $\text{Hg}(\text{CH}=\text{CHPh})_2$ G.-L. Lu, W.R. Roper, L.J. Wright, G.R. Clark .....	972
The steric effect of <i>o</i> -tolyl ligand on the fluxionality behavior of some binuclear organoplatinum(II) complexes with bis(diphenylphosphino)methane as bridging ligand M. Hashemi, M. Rashidi .....	982
Inter- and hetero-metallic assembly of palladium sulfide aggregates: crystal and molecular structures of $[\text{InPd}_2\text{Cl}_3(\text{dppf})_2(\mu_3\text{-S})_2] \cdot 3\text{CH}_2\text{Cl}_2$ and $[\text{Ag}_2\text{Pd}_2(\text{NO}_3)_2(\text{dppf})_2(\mu_3\text{-S})_2] \cdot 2\text{CH}_2\text{Cl}_2$ G. Li, C.-K. Lam, S.W. Chien, T.C.W. Mak, T.S. Andy Hor .....	990
The effect of polyether terminal chains in the liquid crystalline behavior of <i>ortho</i> -palladated complexes M.J. Baena, J. Buey, P. Espinet, C.E. García-Prieto .....	998
Dimeric samarium(III) alkoxides bearing $\text{N}_2\text{O}_2$ tetradentate Schiff bases and their utility for the catalytic epoxidation of <i>trans</i> -chalcone S.A. Schuetz, E.A. Bowman, C.M. Silvernail, V.W. Day, J.A. Belot .....	1011
Synthesis, structure, electrochemistry and ROMP-activity of new ferrocenyl analog of Grubbs' metathesis catalyst T.K. Maishal, B. Mondal, V.G. Puranik, P.P. Wadgaonkar, G.K. Lahiri, A. Sarkar .....	1018
Thermal and photochemical isomerization of exocyclic 1,3-dienes: 1,1-diphenyl-3,4-bis(trimethylsilylmethylene)-1-silacyclopentane <i>s-cis</i> (E,E) M. Mirza-Aghayan, R. Boukherroub, G. Manuel, M. Koenig .....	1028
Reaction of the heterometallic cluster $\text{Os}_3\text{Ru}(\mu\text{-H})_2(\text{CO})_{13}$ with diphenylphosphine: phosphido-bridged tetrahedral and butterfly clusters L.J. Pereira, K.S. Chan, W.K. Leong .....	1033
Scope, mechanism and diene inhibition of isomerization of allylic alcohols to saturated ketones catalyzed by ruthenium(II)-cyclopentadienyl complexes R.C. van der Drift, M. Gagliardo, H. Kooijman, A.L. Spek, E. Bouwman, E. Drent .....	1044
New stable germylenes, stannylenes, and related compounds. 5. Germanium(II) and tin(II) azides $[\text{N}_3\text{-E}^{14}\text{-OCH}_2\text{CH}_2\text{NMe}_2]_2$ ( $\text{E}^{14} = \text{Ge}, \text{Sn}$ ): synthesis and structure V.N. Khrustalev, I.A. Portnyagin, N.N. Zemlyansky, I.V. Borisova, Y.A. Ustynuk, M.Y. Antipin .....	1056
Hydrosilylation of 1-hexyne promoted by acetone solvated gold atoms derived catalysts A.M. Caporusso, L.A. Aronica, E. Schiavi, G. Martra, G. Vitulli, P. Salvadori .....	1063
Synthesis and molecular structures of zirconium and hafnium complexes bearing dimethylsilylandiyl-bis-2,4,6-trimethylindenyl and dimethylsilylandiyl-bis-2-methyl-4,6-diisopropylindenyl ligands V.V. Izmer, D.A. Sorokin, L.G. Kuz'mina, A.V. Churakov, J.A.K. Howard, A.Z. Voskoboinikov .....	1067
Di- and tri-nuclear molybdenum–palladium complexes bearing strong $\pi$ -acceptor “P–N–P” ligands, $\text{MeN}\{\text{P}(\text{OR})_2\}_2$ ( $\text{R} = \text{CH}_2\text{CF}_3$ or Ph) M. Ganesan, S.S. Krishnamurthy, M. Nethaji .....	1080
$\alpha,\beta$ -Unsaturated diimines as substrates in catalytic C–H activation reactions and as ligands in iron carbonyl complexes W. Imhof, A. Göbel .....	1092
Intramolecular rearrangement of organosilyl groups between oxygen and nitrogen in aminosiloxanes – a joint experimental–theoretical study, part II S. Kliem, U. Klingebiel, M. Noltemeyer, S. Schmatz .....	1100
<b>Issue 5</b>	
<b>Communication</b>	
Three novel bimetallic cyclopropa[60]fullerene complexes formed via intermediate monometallic cyclopropa[60]fullerene diphosphine ligands L.-C. Song, F.-H. Su, Q.-M. Hu .....	1121
<b>Regular papers</b>	
Cyclopentadienylaluminum thiolates – synthesis and structure S. Szumacher, I. Madura, J. Zachara, A.R. Kunicki .....	1125
The coordination chemistry of enantiopure diimines derived from 1-phosphanorbornadiene-2-carboxaldehydes A. Germoni, B. Deschamps, L. Ricard, F. Mercier, F. Mathey .....	1133
The C=O and C=S bond cleavage in carbon dioxide and tolyl isothiocyanate by reactions with the Mo(0) tetraphosphine complex $[\text{Mo}\{\textit{meso-o-C}_6\text{H}_4(\text{PPhCH}_2\text{CH}_2\text{PPh}_2)_2\}(\text{Ph}_2\text{PCH}_2\text{CH}_2\text{PPh}_2)]$ T. Ohnishi, H. Seino, M. Hidai, Y. Mizobe .....	1140

Density functional theory study on structural isomers and bonding of model complexes $M(\text{CO})_5(\text{BH}_3 \cdot \text{PH}_3)$ ( $M = \text{Cr}, \text{Mo}, \text{W}$ ) and $\text{W}(\text{CO})_5(\text{BH}_3 \cdot \text{AH}_3)$ ( $A = \text{N}, \text{P}, \text{As}, \text{Sb}$ ) A. Ariaifard, M.M. Amini, A. Azadmehr .....	1147
$\text{CpCr}(\text{CO})_3^+$ -initiated N–N bond cleavage in a thiotetrazole ligand in a cyclopentadienylchromium complex V.W.L. Ng, Z. Weng, J.J. Vittal, L.L. Koh, G.K. Tan, L.Y. Goh .....	1157
Highly enantioselective catalytic asymmetric ring opening reaction employing the Daniphos ligand W. Braun, W. Müller, B. Calmuschi, A. Salzer .....	1166
New stable germynes, stannylenes, and related compounds. 6. Heteroleptic germanium(II) and tin(II) compounds $[(\text{SiMe}_3)_2\text{N-E}^{14}\text{-OCH}_2\text{CH}_2\text{NMe}_2]_n$ ( $\text{E}^{14} = \text{Ge}, n = 1; \text{Sn}, n = 2$ ): synthesis and structure V.N. Khrustalev, I.A. Portnyagin, N.N. Zemlyansky, I.V. Borisova, M.S. Nechaev, Y.A. Ustynyuk, M.Y. Antipin, V. Lunin .....	1172
Synthesis, characterization and Schlenk equilibrium studies of methylmagnesium compounds with <i>O</i> - and <i>N</i> -donor ligands – the unexpected behavior of $[\text{MgMeBr}(\text{pmdta})]$ ( $\text{pmdta} = N,N,N',N'',N'''$ -pentamethyldiethylenetriamine) R.I. Yousef, B. Walfort, T. Rüffer, C. Wagner, H. Schmidt, R. Herzog, D. Steinborn .....	1178
New insights into the reaction of nickelocene with methyllithium: the isolation and crystal structure of $(\text{NiCp})_3(\mu_3\text{-CH})$ W. Buchowicz, K. Starega, A. Pietrzykowski, L.B. Jerzykiewicz .....	1192
Metallo-Carbosiloxan-Dendrimere mit Titanocendichlorid-Endgruppen R. Buschbeck, H. Lang .....	1198
Synthesis and structure of tetrakis(isopropylimino)bis-[tris(dimethylamino)silylamino]alane F. Cheng, S. Clark, S.J. Archibald, S.M. Kelly, J.S. Bradley .....	1205
Ferrocenoyl-amino acids: redox response towards di- and trivalent metal ions F.E. Appoh, T.C. Sutherland, H.-B. Kraatz .....	1209
Syntheses and characterization of $\eta^6$ -hexamethylbenzeneruthenium(II)- $\beta$ -diketone complexes: their reactions with mono- and bidentate neutral ligands P. Govindaswamy, S.M. Mobin, C. Thöne, M.R. Kollipara .....	1218
Synthesis, structures and biological activity research of novel ferrocenyl-containing 1 <i>H</i> -1,2,4-triazole derivatives Z. Jin, A. Huo, T. Liu, Y. Hu, J. Liu, J. Fang .....	1226
Fe(II) and Co(II) pyridinebisimine complexes bearing different substituents on <i>ortho</i> - and <i>para</i> -position of imines: synthesis, characterization and behavior of ethylene polymerization J.-Y. Liu, Y. Zheng, Y.-G. Li, L. Pan, Y.-S. Li, N.-H. Hu .....	1233
Zirconocene complexes with a biphenyl substituted cyclopentadienyl ligand: synthesis, characterization, and olefin polymerization behavior M.H. Lee, Y. Do .....	1240
Synthesis of cobalt-containing monodentate phosphine ligand and application toward Suzuki cross-coupling reactions F.-E. Hong, Y.-J. Ho, Y.-C. Chang, Y.-L. Huang .....	1249
Synthesis and electrochemical properties of bis(bipyridine)ruthenium(II) complexes bearing pyridinyl- and pyridinylidene ligands induced by cyclometalation of <i>N'</i> -methylated bipyridinium analogs T.-a. Koizumi, T. Tomon, K. Tanaka .....	1258
Donor/acceptor organotriiron(II) hydrazone chromophores: structural, spectroscopic and electrochemical properties C. Manzur, L. Millán, M. Fuentealba, J.A. Mata, D. Carrillo, J.-R. Hamon .....	1265
Oxidative addition reaction of <i>o</i> -quinones to triphenylantimony: novel triphenylantimony catecholate complexes V.K. Cherkasov, E.V. Grunova, A.I. Poddel'sky, G.K. Fukin, Y.A. Kurskii, L.G. Abakumova, G.A. Abakumov .....	1273
Reversible double insertion of aryl isocyanates into the Ti–O bond of titanium(IV) isopropoxide R. Ghosh, M. Nethaji, A.G. Samuelson .....	1282
Synthesis and molecular structures of dialkylselenonium methylide complexes of indium tribromide F.M. de Andrade, W. Massa, C. Peppe, W. Uhl .....	1294
Novel process for synthesis of 1,1,3,3-tetrabutyl-1-methoxy-3-isocyanatodistannoxane J. Sun, B. Yang, H. Lin, X. Wang, D. Wang .....	1300
1,1-Insertion of substituted alkynes into the Ir–O bond of $\eta^2$ -carboxylato iridium complexes C.S. Chin, H. Lee, M.K. Lee, S. Noh, M.-S. Eum, S. Hong .....	1306

Highly active new $\alpha$ -diimine nickel catalyst for the polymerization of $\alpha$ -olefins H.-R. Liu, P.T. Gomes, S.I. Costa, M.T. Duarte, R. Branquinho, A.C. Fernandes, J.C.W. Chien, R.P. Singh, M.M. Marques .....	1314
Cyclic voltammetry and theoretical calculations of silyl-substituted 1,4-benzoquinones S. Tsutsui, K. Sakamoto, H. Yoshida, A. Kunai .....	1324
Synthesis and X-ray structure study on new Au(I) polymer architectures based on multi-sulfur tentacles K. Nunokawa, K. Okazaki, S. Onaka, M. Ito, T. Sunahara, T. Ozeki, H. Imai, K. Inoue .....	1332
Synthesis, characterization and structure of diiron organometallic derivatives of 2,9-dimethyl-1,10-dihydro-dicyclopenta[ <i>a,h</i> ]naphthalene M.K. Amshumali, I. Chávez, V. Arancibia, F. Burgos O, J.M. Manríquez, E. Molins, A. Roig .....	1340
The interplay of secondary Te···N, Te···O, Te···I and I···I interactions, Te··· $\pi$ contacts and $\pi$ -stacking in the supramolecular structures of [{2-(4-nitrobenzylideneamino)-5-methyl} phenyl](4-methoxyphenyl)tellurium dihalides A.K.S. Chauhan, Anamika, A. Kumar, R.C. Srivastava, R.J. Butcher, J. Beckmann, A. Duthie .....	1350
Density functional study on the role of electron donors in propylene polymerization using Ziegler–Natta catalyst S. Mukhopadhyay, S.A. Kulkarni, S. Bhaduri .....	1356
Fluoroaryl-substituted ketiminate complexes of aluminum P. Shukla, J.C. Gordon, A.H. Cowley, J.N. Jones .....	1366
Solid-state structure and condensation reaction of (triphenylmethyl)silanetriol J.H. Kim, J.S. Han, M.E. Lee, D.H. Moon, M.S. Lah, B.R. Yoo .....	1372
A combined experimental and theoretical study of metallic salts of thiapentadienyl, sulfynylpentadienyl and butadienesulfonyls P. Gamero-Melo, M. Villanueva-García, J. Robles, R. Contreras, M.A. Paz-Sandoval .....	1379
Organotin esterification of ( <i>E</i> )-3-(3-fluoro-phenyl)-2-(4-chlorophenyl)-2-propenoic acid: synthesis, spectroscopic characterization and in vitro biological activities. Crystal structure of [Ph <sub>3</sub> Sn(OC(O)C(4-ClC <sub>6</sub> H <sub>4</sub> )=CH(3-FC <sub>6</sub> H <sub>4</sub> ))] Sadiq-ur-Rehman, K. Shahid, S. Ali, M.H. Bhatti, M. Parvez .....	1396
<b>Note</b>	
Desymmetrisation of a diallyl system by intramolecular Heck reaction M.P. Coogan, M.J. Pottenger .....	1409
<b>Issue 6</b>	
<b>Regular papers</b>	
Synthesis and characterization of the first diorganotin(IV) complexes containing mixed arylazobenzoic acids and having skew trapezoidal bi-pyramidal geometry T.S. Basu Baul, W. Rynjah, E. Rivarola, C. Pettinari, A. Linden .....	1413
Tuning the reactivity of organotin(IV) by LiOH: allylation and propargylation of epoxides via redox transmetalation M. Banerjee, U.K. Roy, P. Sinha, S. Roy .....	1422
Iron(0) and ruthenium(0) complexes with tridentate phosphonite ligands and their potential for ketene formation from methyl iodide, CO and a base P. Jaunky, H.W. Schmalle, O. Blacque, T. Fox, H. Berke .....	1429
Reactivity of silyl-substituted heterobimetallic iron–platinum hydride complexes towards unsaturated molecules: Part II. Insertion of tri-fluoropropyne and hexafluorobutyne into the platinum–hydride bond M. Knorr, I. Jourdain, F. Villafañe, C. Strohmann .....	1456
Solubility of <i>trans</i> -Co <sub>2</sub> (CO) <sub>6</sub> [3,5-bis(CF <sub>3</sub> )C <sub>6</sub> H <sub>3</sub> P( <i>i</i> -C <sub>3</sub> H <sub>7</sub> ) <sub>2</sub> ] in dense carbon dioxide N. Dahmen, P. Griesheimer, P. Makarczyk, S. Pitter, O. Walter .....	1467
Friedel-Crafts acylation of W(CO) <sub>5</sub> -complexes of azaferrocenes K. Kowalski, J. Zakrzewski, L. Jerzykiewicz .....	1474
Di- <i>t</i> -butyl(ferrocenylmethyl)phosphine: air-stability, structural characterization, coordination chemistry, and application to palladium-catalyzed cross-coupling reactions M.D. Slinger, G.A. Broker, S.T. Griffin, R.D. Rogers, K.H. Shaughnessy .....	1478
Synthesis, structure and optical limiting properties of organoruthenium–chalcogenide clusters M.G. Humphrey, B. Lockhart-Gillett, M. Samoc, B.W. Skelton, V.-A. Tolhurst, A.H. White, A.J. Wilson, B.F. Yates .....	1487

Surprisingly great difference in reactivity depending upon the ring size: solvolysis and molecular structure study of some <i>N</i> -trimethylsilylated cyclic ureas R. Szalay, G. Pongor, V. Harmat, Z. Böcskei, D. Knausz .....	1498
Silyl stabilized azanes: reactions of lithiumbis(trimethylsilyl)hydrazine with trialkyltin halides J. Kataria, S.K. Vasisht, A. Sharma, P. Venugopalan .....	1507
The cocondensation reaction of lithium atoms and anisole: an experimental and theoretical study of the reaction pathway O. Mendoza, L.P. Cuffe, F.K. Rehmann, M. Tacke .....	1511
Synthesis and structure of $(\eta^5\text{-cyclopentadienyl})(\eta^5\text{-}(1\text{-}(\eta^5\text{-cyclopentadienyl})\text{-2-phenyl-3-methyl-1-nickelindenyl})\text{nickel}$ – the first analogue of nickelocene with a nickelacyclopentadienyl ring P. Buchalski, A. Pietrzykowski, S. Pasynkiewicz, L.B. Jerzykiewicz .....	1523
Adducts of organogallium chlorides with hydrazines and the formation of dimeric dialkylgallium hydrazides possessing different ring sizes W. Uhl, C.H. Emden .....	1529
The transition metal carbonyl complexes of 1,3-bis(di- <i>R</i> -stibino)propanes ( <i>R</i> = Me or Ph) M.D. Brown, W. Levason, J.M. Manning, G. Reid .....	1540
Some complexes containing carbon chains end-capped with tungsten or ruthenium groups and tricobalt carbonyl clusters M.I. Bruce, K.A. Kramarczuk, N.N. Zaitseva, B.W. Skelton, A.H. White .....	1549
Dodecatungstophosphoric acid ( $\text{H}_3\text{PW}_{12}\text{O}_{40}$ ) as a solid green Brnsted acid catalyzes high yielding and efficient trimethylcyanosilylation reactions of aldehydes and ketones by trimethylsilyl cyanide H. Firouzabadi, N. Iranpoor, A.A. Jafari .....	1556
Investigation on coordination modes of organotin(IV) complexes with 6-thiopurine and related ligands C. Ma, J. Sun, Y. Shi, R. Zhang .....	1560
Nickel (II) complexes bearing 2-ethylcarboxylate-6-iminopyridyl ligands: synthesis, structures and their catalytic behavior for ethylene oligomerization and polymerization X. Tang, W.-H. Sun, T. Gao, J. Hou, J. Chen, W. Chen .....	1570
Synthesis of a cyclic dinuclear organotin carboxylate via simultaneous debenzoylation and decarbonylation reactions: X-ray crystal structure of $[(\text{PhCH}_2)_2\{\text{O}_2\text{CC}_6\text{H}_4\{\text{N}(\text{H})\text{-N}=(\text{C}_6\text{H}_5\text{-4(=O)-5-O})\text{-}o\}\text{Sn}\}_2$ T.S.B. Baul, K.S. Singh, A. Lyčka, M. Holčapek, A. Linden .....	1581
Development of novel and efficient synthesis of group 14 element (Ge and Sn) catenates by use of samarium (II) diiodide T. Azemi, Y. Yokoyama, K. Mochida .....	1588
The reaction of $\text{Ru}_3(\text{CO})_{12}$ with 1,4-dichloro-but-2-yne in basic methanolic solution. Synthesis and crystal structure of $(\mu\text{-H})_2\text{Ru}_3(\text{CO})_9\{\mu_3\text{-}\eta^2\text{-}[\text{H}_2\text{C}=\text{C}(\text{H})\text{C}\equiv\text{CC}(=\text{O})\text{OCH}_3]\}$ G. Gervasio, D. Marabello, E. Sappa, A. Secco .....	1594
Binuclear dimethylplatinum (II) complexes each containing monodentate phosphine ligands and a bridging diphosphine ligand $\text{X}(\text{PPh}_2)_2$ , <i>X</i> = CH <sub>2</sub> or NH. Molecular structure of <i>cis,cis</i> - $[\text{Me}_2(\text{pyPh}_2\text{P})\text{Pt}(\mu\text{-Ph}_2\text{PNHPPH}_2)\text{Pt}(\text{PPh}_2\text{py})\text{Me}_2] \cdot 2\text{CH}_2\text{Cl}_2$ M. Rashidi, K. Kamali, M.C. Jennings, R.J. Puddephatt .....	1600
Synthesis and reactions of [tris(trimethylsilyl)methyl]ethyl dichlorosilane K.D. Safa, A.H. pour, M.H. Nasirtabrizi, U.M. Oskoei .....	1606
Synthesis of palladium and platinum donor complexes and study of their participation in self-assembly reactions. X-ray crystal structure of $[\text{Pt}(\text{C}_6\text{H}_4\text{C}\equiv\text{CC}_5\text{H}_4\text{N})_2(\text{dppp})]$ (dppp = 1,3-bis(diphenylphosphino)propane) M. Ferrer, L. Rodriguez, O. Rossell, X. Solans .....	1612
A facile organolithium route to ferrocene-based triarylmethyl dyes with substantial near IR and NLO properties C. Arbez-Gindre, B.R. Steele, G.A. Heropoulos, C.G. Screttas, J.-E. Communal, W.J. Blau, I. Ledoux-Rak .....	1620
Reactivity and electrochemical behavior of ruthenium dithiolene complexes with coordinatively unsaturated metal centers: cycloaddition and dimerization reactions M. Nomura, M. Fujii, K. Fukuda, T. Sugiyama, Y. Yokoyama, M. Kajitani .....	1627
Synthesis and structure of two lithium terphenyls and a “halide rich” terphenyl lithium species S. Hino, M.M. Olmstead, J.C. Fettingner, P.P. Power .....	1638
New cationic palladium (II) and rhodium (I) complexes of $[\text{Ph}_2\text{PCH}_2\text{C}(\text{Ph})=\text{N}(2,6\text{-Me}_2\text{C}_6\text{H}_3)]$ S.I. Pascu, K.S. Coleman, A.R. Cowley, M.L.H. Green, N.H. Rees .....	1645

Resolution of $\beta$ -aminophosphines with chiral cyclopalladated complexes J.-M. Camus, P.R. Garcia, J. Andrieu, P. Richard, R. Poli .....	1659
Synthesis and structural characterization of diorganotin(IV) esters with pyruvic acid isonicotinyl hydrazone and pyruvic acid salicylhydrazone Schiff bases H.D. Yin, M. Hong, Q.B. Wang, S.C. Xue, D.Q. Wang .....	1669
<b>Notes</b>	
Isolation and characterization of an iodide bridged dimeric palladium complex in carbonylation of methanol S.S. Tonde, A.A. Kelkar, M.M. Bhadbhade, R.V. Chaudhari .....	1677
Coordination polymers of silver(I) with bis( <i>N</i> -heterocyclic carbene): Structural characterization and carbene transfer P.L. Chiu, C.Y. Chen, J.Y. Zeng, C.Y. Lu, H.M. Lee .....	1682
<b>Issue 7</b>	
<b>Regular papers</b>	
Synthesis and characterization of scandium complexes with reduced ligands: Crystal structures of $\text{Cp}^*\text{ScI}_2$ , $[\text{Cp}^*\text{ScI}(\text{bpy})]_2$ , and $[\text{Cp}^*\text{ScCl}(\text{bpy})]_2$ K.A. Tupper, T.D. Tilley .....	1689
Evidence for formation and different evolution of tertiary rhodium alkyl intermediates under rhodium-catalyzed deuterio-(hydro)formylation of 1-( <i>n</i> -pyridyl)-1-phenylethenes R. Lazzaroni, R. Settambolo, S. Rocchiccioli, S. Paganelli, M. Marchetti .....	1699
A novel stereoselective synthesis of ( <i>E</i> )-2-arylvinyolphosphonates in $\text{InCl}_3$ - $\text{NaBH}_4$ -MeCN system C. Wang, Y. Pan, D. Yang .....	1705
Palladium (II) complexes with mono-oxide 1,1'-bis(diphenylphosphino)metallocene ligands $[\text{Fe}(\eta^5\text{-C}_5\text{Me}_4\text{PPh}_2)(\eta^5\text{-C}_5\text{Me}_4\text{P}\{\text{O}\}\text{Ph}_2)]$ and $[\text{Os}(\eta^5\text{-C}_5\text{H}_4\text{PPh}_2)(\eta^5\text{-C}_5\text{H}_4\text{P}\{\text{O}\}\text{Ph}_2)]$ O.V. Gusev, T.A. Peganova, A.M. Kalsin, N.V. Vologdin, P.V. Petrovskii, K.A. Lyssenko, A.V. Tsvetkov, I.P. Beletskaya .....	1710
Synthesis and reactivity of mixed-ring indenyl complexes of molybdenocene I.S. Gonçalves, C.A. Gamelas, C.C.L. Pereira, C.C. Romão .....	1718
Synthesis and reactivity of hydride and dihydrogen complexes of ruthenium with tris(pyrazolyl)borate and phosphite ligands G. Albertin, S. Antoniutti, M. Bortoluzzi, G. Zanardo .....	1726
Bridged bis-pyridinylimino dinickel(II) complexes: Syntheses, characterization, ethylene oligomerization and polymerization S. Jie, D. Zhang, T. Zhang, W.-H. Sun, J. Chen, Q. Ren, D. Liu, G. Zheng, W. Chen .....	1739
Synthesis and oxidation of (benzimidazolylidene) $\text{Cr}(\text{CO})_5$ complexes H. Sakurai, K. Sugitani, T. Moriuchi, T. Hirao .....	1750
The reaction of benzothiazole sulfenamide with $(\text{TMS})_3\text{SiH}$ : An example of degenerate-branched chain process V.T. Varlamov, C. Ferreri, C. Chatgililoglu .....	1756
Synthesis of $[\text{Ni}(\eta^2\text{-CH}_2\text{C}_6\text{H}_4\text{R-4})\{\text{PPh}(\text{CH}_2\text{CH}_2\text{PPh}_2)_2\}]^+$ (R = H, Me or MeO) and protonation reactions with HCl V. Autissier, E. Brockman, W. Clegg, R.W. Harrington, R.A. Henderson .....	1763
Further chemistry of ruthenium butatrienylidene complexes M.I. Bruce, B.G. Ellis, B.W. Skelton, A.H. White .....	1772
An organoiron approach to thyroid hormone analogues J. Smirnova, L. Engman, C.-M. Andersson, J. Malm .....	1784
Preparation and structures of copper(II) and zinc(II) complexes with 5-ferrocenylpyrimidine: Structural variation derived from flexible coordination ability of the ligand and metal ions R. Horikoshi, K. Okazawa, T. Mochida .....	1793
Organotin flufenamates: Synthesis, characterization and antiproliferative activity of organotin flufenamates D. Kovala-Demertzi, V.N. Dokorou, J.P. Jasinski, A. Opolski, J. Wiecek, M. Zervou, M.A. Demertzis .....	1800
Molecular structures of ruthenium half-sandwich complexes with primary and secondary phosphines: $[(\eta^6\text{-}p\text{-cymene})\text{RuCl}_2(\text{PR}_3)]$ [ <i>p</i> -cymene = 1-Me-4-Pr <sup>i</sup> C <sub>6</sub> H <sub>4</sub> ; PR <sub>3</sub> = PH <sub>2</sub> Fc, PH <sub>2</sub> CH <sub>2</sub> Fc, PH(CH <sub>2</sub> Fc) <sub>2</sub> ; Fc = Fe( $\eta^5$ -C <sub>5</sub> H <sub>4</sub> )( $\eta^5$ -C <sub>5</sub> H <sub>5</sub> )] S.I.M. Paris, F.R. Lemke, R. Sommer, P. Lönnecke, E. Hey-Hawkins .....	1807

Nickel(II) bis(diphenylphosphino)amide: Redox-coupling of dppa ligands in coordination sphere of Ni <sup>2+</sup> and some other properties V.V. Sushev, A.N. Kornev, Y.A. Kurskii, O.V. Kuznetsova, G.K. Fukin, Y.H. Budnikova, G.A. Abakumov .....	1814
Synthesis of zirconocenes bearing benz[ <i>f</i> ]indenyl ligand and their use as a catalyst in ethylene polymerization D.H. Kim, J.A. Lee, B.Y. Lee, Y.K. Chung .....	1822
Reactivity of ferrocenium cations with molecular oxygen in polar organic solvents: Decomposition, redox reactions and stabilization J.P. Hurvois, C. Moinet .....	1829
Are cyclopentadienyl complexes more stable than their pyrrolyl analogues? A.R. Dias, L.F. Veiros .....	1840
Synthesis, structure and butadiene polymerization behavior of CoCl <sub>2</sub> (PR <sub>x</sub> Ph <sub>3-x</sub> ) <sub>2</sub> (R = methyl, ethyl, propyl, allyl, isopropyl, cyclohexyl; x = 1, 2). Influence of the phosphorous ligand on polymerization stereoselectivity G. Ricci, A. Forni, A. Boglia, A. Sommazzi, F. Masi .....	1845
Half-sandwich cyclopentadienyl rhodium complexes bearing pendant sulfur or oxygen ligands and their catalytic behaviors in ethylene polymerization X.-F. Hou, Y.-Q. Cheng, X. Wang, G.-X. Jin .....	1855
<b>Notes</b>	
Pauson–Khand reaction of 2-ethynyl aniline: Synthesis of fused ring indoles by organocuprate conjugate addition followed by spontaneous dehydration M.P. Coogan, L.-I. Ooi, D.S. Wilkins .....	1861
Domino reaction sequences in the rhodium-catalyzed hydroformylation of 3-acetyl-1-allylpyrrole: a short route to 5,6,7,8-tetrahydroindolizines S. Rocchiccioli, R. Settambolo, R. Lazzaroni .....	1866
<b>Issue 8</b>	
<b>Special Issue: III EuChem Conference on Nitrogen Ligands in Organometallic Chemistry and Homogeneous Catalysis</b>	
Editorial .....	1871
<b>Regular papers</b>	
Tin(IV) and organotin(IV) derivatives of bis(pyrazolyl)acetate: Synthesis, spectroscopic characterization and behaviour in solution.. X-ray single crystal study of bis(pyrazol-1-yl)acetatotri-iodotin(IV) [SnI <sub>3</sub> (bdmpza)] F. Marchetti, M. Pellei, C. Pettinari, R. Pettinari, E. Rivarola, C. Santini, B.W. Skelton, A.H. White .....	1878
Syntheses and structural characterizations of rhenium carbonyl complexes of a bitopic ferrocene-linked bis(pyrazolyl)methane ligand D.L. Reger, K.J. Brown, J.R. Gardinier, M.D. Smith .....	1889
Tricarbonylmanganese(I) derivatives of [Di(pyrazolyl)(2-pyridyl)methyl]aryl scorpionates D.L. Reger, J.R. Gardinier, T.C. Grattan, M.D. Smith .....	1901
Copper(I) complexes supported by a heavily fluorinated bis(pyrazolyl)borate: syntheses and characterization of [H <sub>2</sub> B(3,5-(CF <sub>3</sub> ) <sub>2</sub> Pz) <sub>2</sub> ]CuL (where L = PPh <sub>3</sub> , N≡CCH <sub>3</sub> , HC≡CPh, H <sub>2</sub> C=CHPh) and {[H <sub>2</sub> B(3,5-(CF <sub>3</sub> ) <sub>2</sub> Pz) <sub>2</sub> ]Cu} <sub>2</sub> (1,5-COD) H.R. Dias, S.A. Richey, H.V.K. Diyabalanage, J. Thankamani .....	1913
Reactions of pyridyl donors with halogens and interhalogens: an X-ray diffraction and FT-Raman investigation M.C. Aragoni, M. Arca, F.A. Devillanova, M.B. Hursthouse, S.L. Huth, F. Isaia, V. Lippolis, A. Mancini, H.R. Ogilvie, G. Verani .....	1923
Synthesis and structural characterization of fluorenyltris(pyrazol-1-yl)borate ligands as new examples of cyclopentadienyl/scorpionate hybrid ligands S. Bieller, M. Bolte, H.-W. Lerner, M. Wagner .....	1935
Syntheses and properties of Re(III) complexes derived from hydrotris(1-pyrazolyl)methanes: molecular structure of [ReCl <sub>2</sub> (HCpz <sub>3</sub> (PPh <sub>3</sub> ))[BF <sub>4</sub> ] E.C.B. Alegria, L.M.D.R.S. Martins, M.F.C. Guedes da Silva, A.J.L. Pombeiro .....	1947
Nitrile ligands activation in dinuclear aminocarbyne complexes L. Busetto, F. Marchetti, S. Zacchini, V. Zanotti, E. Zoli .....	1959
Synthesis and structural characterization of ferrocene-based bis(pyrazol-1-yl)borate ligands: FcB(Me)pz <sub>2</sub> K, Fc <sub>2</sub> Bpz <sub>2</sub> K, and 1,1'-fc[B(Me)pz <sub>2</sub> ] <sub>2</sub> K <sub>2</sub> (Fc: ferrocenyl, fc: ferrocenylene, pz: pyrazolyl) A.H. Ilkhechi, M. Bolte, H.-W. Lerner, M. Wagner .....	1971

Synthesis and characterization of poly(amidoamine)-platinum(II) complexes. Detailed speciation by Matrix-Assisted Laser Desorption Ionization Mass Spectrometry A. Mazzaglia, L.M. Scolaro, D. Garozzo, P. Malvagna, R. Romeo .....	1978
Synthesis and molecular structures of the cationic gold(I)-aziridine complexes $[\text{Ph}_3\text{PAuAz}]\text{O}_3\text{SCF}_3$ (Az = $\text{C}_2\text{H}_4\text{NH}$ , $\text{CH}_2\text{CHMeNH}$ , $\text{CH}_2\text{CMe}_2\text{NH}$ , $\text{CH}_2\text{CHEtNH}$ , $\text{CH}_2\text{CHPhNH}$ , $\text{C}_2\text{H}_4\text{NBz}$ , $\text{C}_2\text{H}_4\text{NC}_2\text{H}_4\text{OH}$ ) I.-P. Lorenz, C. Kringner, R. Wilberger, R. Bobka, H. Piotrowski, M. Warchhold, H. Nöth .....	1986
Synthesis, characterization and hydrolytic behavior of new bis(2-pyridylthio)acetate ligand and related organotin(IV) complexes F. Benetollo, G.G. Lobbia, M. Mancini, M. Pellei, C. Santini .....	1994
Highly electrochemiluminescent Ru(II) complexes containing 1,3-dihydro-1,1,3,3-tetramethyl-7,8-diazacyclopenta[1]phenanthren-2-one ligand D.N. Lee, J.H. Min, H.M. Kim, Y.M. Jun, H.N. Choi, W.-Y. Lee, B.H. Kim .....	2002
The new facial tripod ligand 3,3-bis(1-methylimidazol-2-yl)propionic acid and carbonyl complexes thereof containing manganese and rhenium L. Peters, E. Hübner, N. Burzlaff .....	2009
Novel cyclometallated Pd(II) and Pt(II) complexes with indole derivatives and their use as catalysts in Heck reaction G. Cravotto, F. Demartin, G. Palmisano, A. Penoni, T. Radice, S. Tollari .....	2017
A new class of nitrogen based chiral ligands: 2 <i>H</i> -1,3-benzoxazines. Ligand synthesis, X-ray structural studies and asymmetric catalysis N. Thienthong, P. Perlmutter .....	2027
C–C coupling of aryl groups and allyl derivatives on Pt(II)-phenanthroline fragments: crystal and molecular structure of the <i>tbp</i> [ $(\eta^1, \eta^2$ -2-allyl,5-methyl-phenyl)iodo(1,10-phenanthroline)platinum(II)] complex containing the N–N ligand in axial-equatorial coordination mode V.D. Felice, A.D. Renzi, N. Fraldi, G. Roviello, A. Tuzi .....	2035
A dihydrogen bond between a bridging hydride and the NH proton of a coordinated dimethylamine: solid state, solution and theoretical characterization M. Panigati, P. Mercandelli, G. D'Alfonso, T. Beringhelli, A. Sironi .....	2044
Synthesis and NMR characterization of dinuclear Fe(II) organometallic complexes containing a non-equivalently bridging 5-aryl tetrazolate ligand A. Palazzi, S. Stagni .....	2052
Oxidative addition to dimethylplatinum (II) compounds containing bulky nitrogen ligands: crystal structures of compounds $[\text{PtMe}_2\text{I}-(\text{Me}_2\text{NCH}_2\text{CH}_2\text{NCH})\text{Ar}]$ (Ar = phenanthryl or anthryl) R. Bosque, M. Crespo, E. Evangelio, M. Font-Bardía, X. Solans .....	2062
Photochemistry of tris(pyrazolyl)borate titanium(IV) complexes R. Gazzi, F. Perazzolo, S. Sostero, A. Ferrari, O. Traverso .....	2071
$\text{C}_2$ - and $\text{C}_s$ -symmetric diamidodichlorotitanium complexes: Syntheses, structures and 1-hexene polymerization catalysis F. Heatley, F.S. Mair, R.G. Pritchard, R.J. Woods .....	2078
Novel ( $\eta^6$ -arene)-ruthenium(II) complexes containing bis(iminophosphorano)methanide and methandiide ligands V. Cadierno, J. Diez, J. Garcia-Álvarez, J. Gimeno .....	2087
Olefin uptake as tool for linking platinum(II) and iridium(III) in heterobinuclear complexes: Synthesis and characterization of $[\text{PtI}_2(\text{Me}_2\text{phen})\{(\text{C}_5\text{Me}_4\text{CH}_2\text{CH}_2\text{CH}=\text{CH}_2)\text{Ir}(\text{Me})(\text{CO})(\text{Ph})\}]$ P. Papadia, A. Ciccacese, J.A. Miguel-Garcia, P.M. Maitlis, F.P. Fanizzi .....	2097
Trifluoroethanol: key solvent for palladium-catalyzed polymerization reactions A. Scarel, J. Durand, D. Franchi, E. Zangrando, G. Mestroni, B. Milani, S. Gladiali, C. Carfagna, B. Binotti, S. Bronco, T. Gragnoli .....	2106
Synthesis and characterisation of the amidine complexes $\text{trans-}[\text{PtCl}(\text{NH}_3)\{\text{HN}=\text{C}(\text{NH}_2)\text{R}\}_2]\text{Cl}$ (R = Me, Ph, $\text{CH}_2\text{Ph}$ ) derived from addition of $\text{NH}_3$ to the coordinated nitriles in $\text{trans-}[\text{PtCl}_2(\text{N}=\text{CR})_2]$ G. Natile, F.P. Intini, R. Bertani, R.A. Michelin, M. Mozzon, S.M. Sbovata, A. Venzo, R. Seraglia .....	2121
A new family of pyrazolyl-based anionic bidentate ligands and crystal structure of bis( <i>N</i> -phenyl-2-pyrazolyl-1-carboximidothioato)copper(II) M.H. Sadr, A.R. Jalili, H. Razmi, S.W. Ng .....	2128
Thermal stability and photostability of water solutions of sulfophthalocyanines of Ru(II), Cu(II), Ni(II), Fe(III) and Co(II) N. d'Alessandro, L. Tonucci, A. Morvillo, L.K. Dragani, M.D. Deo, M. Bressan .....	2133
Catalytic amination reactions mediated by Co(II) Schiff base complexes A. Caselli, E. Gallo, F. Ragaini, A. Oppezzo, S. Cenini .....	2142

$\alpha$ -Diimines as nitrogen ligands for ruthenium-catalyzed allylation reactions and related (pentamethylcyclopentadienyl) ruthenium complexes M.D. Mbaye, B. Demerseman, J.-L. Renaud, C. Bruneau .....	2149
<b>Issue 9</b>	
<b>Communication</b>	
Synthesis of a Lewis acid bearing cyclopentadienyl ligand and its tricarbonylmanganese(I) complex R.T. Watson, J. Basinger, E.Y. Min, P.S. Wagenknecht .....	2159
<b>Regular papers</b>	
Synthesis and activity of macrocyclized chiral Mn(III)-Schiff-base epoxidation catalysts A. Martinez, C. Hemmert, H. Gornitzka, B. Meunier .....	2163
Two-carbon homologation of ketones via silyl ketene acetals: Synthesis of $\alpha,\beta$ -unsaturated acids and $\alpha$ -trimethylsilyl $\delta$ -ketoacids M. Bellassoued, S. Mouelhi, P. Fromentin, A. Gonzalez .....	2172
Direct preparation and structure determination of tertiary and secondary amine boranes from primary or secondary amine boranes A. Shibli, H.A. Ali, I. Goldberg, M. Srebnik .....	2180
Synthesis, crystal structure and in vitro antitumor activity of di- <i>n</i> -butyltin 4'-(7-oxabicyclo [2,2,1]-5-heptane-2,3-dicarboximide) benzoates Y. Zhou, T. Jiang, S. Ren, J. Yu, Z. Xia .....	2186
Activation of C–H, C–C and C–I bonds by Pd and <i>cis</i> -Pd(CO) <sub>2</sub> I <sub>2</sub> . Catalyst–substrate adaptation A. Diefenbach, F.M. Bickelhaupt .....	2191
Effect of the organic fragment on the mesogenic properties of a series of organogold(I) isocyanide complexes. X-ray crystal structure of [Au(C $\equiv$ CC <sub>5</sub> H <sub>4</sub> N)(CNC <sub>6</sub> H <sub>4</sub> O(O)CC <sub>6</sub> H <sub>4</sub> OC <sub>10</sub> H <sub>21</sub> )] M. Ferrer, M. Mounir, L. Rodríguez, O. Rossell, S. Coco, P. Gómez-Sal, A. Martín .....	2200
A comparison between the reaction of P <sub>2</sub> Ph <sub>4</sub> with [Co <sub>2</sub> (CO) <sub>6</sub> ] <sub>2</sub> ( $\mu$ - $\eta^2$ : $\mu$ - $\eta^2$ -HOCH <sub>2</sub> C $\equiv$ C–C $\equiv$ CCH <sub>2</sub> OH)] and the reaction of [Co <sub>2</sub> ( $\mu$ -PPh <sub>2</sub> ) <sub>2</sub> (CO) <sub>6</sub> ] with HOCH <sub>2</sub> C $\equiv$ C–C $\equiv$ CCH <sub>2</sub> OH A.J.M. Caffyn, M.J. Mays .....	2209
Novel bridged bis-azulenyl and bis-tetrahydroazulenyl hafnocenes: Synthesis, structure, and propylene polymerization behavior N. Iwama, S. Hayakawa, T. Kato, Y.T. Osano, T. Sugano .....	2220
Improved approaches and structures of new ferrocenyl carbene complexes of chromium, tungsten, and molybdenum J.G. López-Cortés, L.F. Contreras de la Cruz, M.C. Ortega-Alfaro, R.A. Toscano, C. Alvarez-Toledano, H. Rudler .....	2229
Zur Elektronenstruktur metallorganischer Komplexe der f-Elemente LXI. Welche Oxidationszahl hat Cer im tiefviolettten 1,1',4,4'-Tetrakis(trimethylsilyl)cerocen? H.-D. Amberger, H. Reddmann, F.T. Edelmann .....	2238
Preparation and structural characterization of organotin(IV) complexes with ligands containing a hetero {N} atom and a hydroxy group or hydroxy and carboxyl groups A. Szorcik, L. Nagy, M. Scopelliti, A. Deák, L. Pellerito, K. Hegetschweiler .....	2243
Palladium complexes with <i>meso</i> -bioxazoline ligands for alternating styrene/CO copolymerisation: Counterion effect D. Sirbu, G. Consiglio, B. Milani, P.A. Kumar, P.S. Pregosin, S. Gischig .....	2254
Synthesis and cyclic voltammetry of some new metal carbene substituted cyclopentadienyliron half sandwich complexes M. Schwarz, M. Vollmann, R. Wartchow, H. Butenschön .....	2263
A planar silacyclobutane, 1,1-( <i>rac</i> -1,1'-bi-2-naphthoxy)-1-silacyclobutane and its unusual reaction with bis(1,5-cyclooctadiene)platinum(0) R. Jain, A.P.J. Brunskill, J.B. Sheridan, R.A. Lalancette .....	2272
Stabilisation of high oxidation-state niobium using 'electron-rich' bicyclic-guanidines D.B. Soria, J. Grundy, M.P. Coles, P.B. Hitchcock .....	2278
Synthesis and X-ray crystal structure of [2-(phosphinomethyl)ferrocenyl]diphenylphosphine F. Labrue, B. Pons, L. Ricard, A. Marinetti .....	2285
1'-Carbopalladated-4-ferrocenyl-1,3-oxazolines as catalysts for Heck reactions: Further evidence in support of the Pd(0)/Pd(II) mechanism M. Rosol, A. Moyano .....	2291
Retro-Brook rearrangement induces the formation of an octahedral nickel(benzamidinate) complex; synthesis, structure and catalytic activity E. Nelkenbaum, M. Kapon, M.S. Eisen .....	2297

Azetidines as ligands in the Pd(II) complexes series L. Keller, M.V. Sanchez, D. Prim, F. Couty, G. Evano, J. Marrot .....	2306
Synthesis and structure of N-heterocyclic carbene complexes of rhodium and iridium derived from an imidazolium-linked cyclophane M.V. Baker, S.K. Brayshaw, B.W. Skelton, A.H. White, C.C. Williams .....	2312
Reactivity of [CpCr(CO) <sub>3</sub> ] <sub>2</sub> towards thione (C=S) moieties in some sulfur-containing substrates V.W.L. Ng, S.L. Kuan, Z. Weng, W.K. Leong, J.J. Vittal, L.L. Koh, G.K. Tan, L.Y. Goh .....	2323
(Cyclopentadienyl)chromiumtricarbonyl dimers as a source of metal-centered free-radicals to form stable η <sup>2</sup> -bonded spin-adducts with fullerenes V.I. Sokolov, R.G. Gasanov, L.Y. Goh, Z. Weng, A.L. Chistyakov, I.V. Stankevich .....	2333
Alkyl-rhodium transition state stabilities as a tool to predict regio- and stereoselectivity in the hydroformylation of chiral substrates G. Alagona, C. Ghio .....	2339
Mono- and diboronates derived from tridentate ONO ligands and arylboronic acids V. Barba, J. Vázquez, F. López, R. Santillan, N. Farfán .....	2351
Preparation and characterisation of cobalt (I) acyl compounds S.A. Llewellyn, M.L.H. Green, A.R. Cowley .....	2358
Synthesis, molecular structure and electrochemical properties of the star-shaped dinuclear complexes [Ru <sub>2</sub> (η <sup>6</sup> -p-Me-C <sub>6</sub> H <sub>4</sub> -iPr) <sub>2</sub> (μ <sub>2</sub> -S-p-C <sub>6</sub> H <sub>4</sub> -C <sub>4</sub> H <sub>3</sub> S) <sub>3</sub> ] <sup>+</sup> and [Rh <sub>2</sub> (η <sup>5</sup> -C <sub>5</sub> Me <sub>5</sub> ) <sub>2</sub> (μ <sub>2</sub> -S-p-C <sub>6</sub> H <sub>4</sub> -C <sub>4</sub> H <sub>3</sub> S) <sub>3</sub> ] <sup>+</sup> F. Chérioux, B. Therrien, S. Sadki, C. Comminges, G. Süß-Fink .....	2365
Palladium-catalyzed protection of alcohols and cleavage of triethylsilyl ethers M. Mirza-Aghayan, R. Boukherroub, M. Bolourtchian .....	2372
<b>Note</b>	
Probing delocalisation across highly ethynylated mono and dinuclear Pt(II) tethers containing nitrogroups and organic models as redox active probes: X-ray crystal structure of <i>trans</i> -[Pt(C≡C-C <sub>6</sub> H <sub>4</sub> NO <sub>2</sub> ) <sub>2</sub> (PPh <sub>3</sub> ) <sub>2</sub> ] M. Ravera, R. D'Amato, A. Guerri .....	2376
<b>Issue 10</b>	
<b>Special Issue: 16th International Conference on Phosphorus Chemistry</b>	
Preface .....	2381
<b>Regular papers</b>	
Stable phosphinous acids B. Hoge, S. Neufeind, S. Hettel, W. Wiebe, C. Thösen .....	2382
Recent advances in phosphorus-carbon bond formation: synthesis of H-phosphinic acid derivatives from hypophosphorous compounds J.-L. Montchamp .....	2388
The CO/PC analogy in coordination chemistry and catalysis M. Doux, A. Moores, N. Mézailles, L. Ricard, Y. Jean, P.L. Floch .....	2407
Electrocatalytic eco-efficient functionalization of white phosphorus Y.H. Budnikova, D.G. Yakhvarov, O.G. Sinyashin .....	2416
Solvent extraction in hydrometallurgy: the role of organophosphorus extractants D.S. Flett .....	2426
Zoledronic acid: pharmacologic profile of a potent bisphosphonate J.R. Green .....	2439
Tuning of nickel 2-phosphinophenolates – catalysts for oligomerization and polymerization of ethylene J. Heinicke, N. Peulecke, M. Köhler, M. He, W. Keim .....	2449
Accelerated methods of synthesis of phosphorus-containing dendrimers V. Maraval, R. Laurent, P. Marchand, A.-M. Caminade, J.-P. Majoral .....	2458
Synthesis, reactivity and stereochemistry of new phosphorus heterocycles with 5- or 6-membered rings H.-J. Cristau, J.-L. Pirat, D. Virieux, J. Monbrun, C. Ciptadi, Y.-A. Bekro .....	2472

Organophosphorus $\pi$ -conjugated materials: the rise of a new field M. Hissler, C. Lescop, R. Réau .....	2482
Acyclic and cyclic aminophosphonic acids: asymmetric syntheses mediated by chiral sulfinyl auxiliary M. Mikołajczyk .....	2488
A quantum chemical study on the reaction of 1-aryl-1,2-dihydrophosphinine oxides with dimethyl acetylenedicarboxylate G. Keglevich, T. Körtvélyesi, A. Ujvári, E. Dudás .....	2497
Reactions of 1-alkynylphosphonates with group (IV) complexes A.A.-A. Al-Quntar, M. Srebnik .....	2504
Syntheses and reactivity of novel unsaturated cyclic compounds containing phosphorus atoms M. Yoshifuji, H. Sugiyama, S. Ito .....	2515
Copper-mediated displacements of allylic THP ethers on a bisphosphonate template L.W. Shull, D.F. Wiemer .....	2521
1,3-Diphosphapropenes for novel chemistry of metal complexes S. Ito, H. Liang, M. Yoshifuji .....	2531
Tetraalkylphosphonium-based ionic liquids R.E. Del Sesto, C. Corley, A. Robertson, J.S. Wilkes .....	2536
A novel mercapto-bisphosphonate as an efficient anticalcification agent for bioprosthetic tissues I.S. Alferiev, J.M. Connolly, R.J. Levy .....	2543
Dimethylmalonyltrialkylphosphoranes: probing the steric effect on phosphorus and its stereochemical consequence in esterification reactions of chiral secondary alcohols J. Dyck, S. Zavorine, A.J. Robertson, A. Capretta, V. Larichev, J. Britten, J. McNulty .....	2548
Kinetic isotope effects of nitrogen and hydrogen in reaction of <i>N</i> -tert-butyl- <i>P</i> -phenylphosphonamidithioic acid with alcohols S. Jankowski, A. Mazur, T. Nonas, B. Vokal .....	2553
Novel functionalised P-ligands: advances and application I.L. Odinet, N.M. Vinogradova, E.V. Matveeva, D.D. Golovanov, K.A. Lyssenko, G. Keglevich, L. Kollár, G.-V. Roëschenhaler, T.A. Mastryukova .....	2559
Theoretical investigations on the mechanism of chalcogens exchange reaction between P(V) and P(III) compounds M. Kullberg, J. Stawinski .....	2571
Allylic hydroxy phosphonates: versatile chiral building blocks A. De la Cruz, A. He, A. Thanavaro, B. Yan, C.D. Spilling, N.P. Rath .....	2577
Stereochemical control of biocatalytic asymmetric reduction of diethyl 2-oxopropylphosphonate employing yeasts E. Żymańczyk-Duda, M. Klimek-Ochab, P. Kafarski, B. Lejczak .....	2593
Substituent effect on low coordination phosphorus chemistry L. Nyulászi .....	2597
Large-scale synthesis of high purity “Phos reagent” useful for oligonucleotide therapeutics R. Gukathasan, M. Massoudipour, I. Gupta, A. Chowdhury, S. Pulst, S. Ratnam, Y.S. Sanghvi, S.A. Laneman .....	2603
Synthesis and herbicidal activities of methyl-1-(2,4-dichlorophenoxyacetoxy)alkylphosphonate monosalts H.W. He, T. Wang, J.L. Yuan .....	2608
Biolabile constructs for pronucleotide design A. Jochum, N. Schlienger, D. Egron, S. Peyrottes, C. Périgaud .....	2614
Diastereoselective synthesis of $\alpha,\alpha'$ -disubstituted $\beta$ -ketophosphonates derivatives as building blocks for automated syntheses J.-L. Pirat, X. Marat, L. Clarion, A. Van der Lee, J.-P. Vors, H.-J. Cristau .....	2626
Impact of anionic substitutions on apatite structure and properties M. Veiderma, K. Tnsuaadu, R. Knubovets, M. Peld .....	2638
A new signal processing method to observe weak $^{31}\text{P}$ and $^{17}\text{O}$ NMR peaks S.D. Kunikeev, H.S. Taylor, J.-J. Pan, A. Kershaw, C.E. McKenna .....	2644

Extremely bulky triarylphosphines incorporating 2,6-diisopropylphenyl substituents; consideration of steric shielding and steric pressure R.T. Boéré, Y. Zhang .....	2651
Chirality at phosphorus: hybrid duplexes of chimeric oligonucleotides containing methylphosphonothioate linkages with complementary DNA and RNA L.A. Wozniak, M. Janicka, M. Bukowiecka-Matusiak .....	2658
Synthesis of crowded triarylphosphines carrying functional sites S. Sasaki, F. Murakami, M. Murakami, M. Watanabe, K. Kato, K. Sutoh, M. Yoshifuji .....	2664
Cidofovir peptide conjugates as prodrugs C.E. McKenna, B.A. Kashemirov, U. Eriksson, G.L. Amidon, P.E. Kish, S. Mitchell, J.-S. Kim, J.M. Hilfinger .....	2673
Molecular interactions of nitrogen-containing bisphosphonates within farnesyl diphosphate synthase F.H. Ebetino, C.N. Rozé, C.E. McKenna, B.L. Barnett, J.E. Dunford, R.G.G. Russell, G.E. Mieling, M.J. Rogers .....	2679
<b>Note</b>	
Preparation of $\alpha$ -ketophosphonates by a [3,3]-sigmatropic shift of enolphosphonates K. Afarinkia, A.J. Twist, H.-w. Yu .....	2688
<b>Issue 11</b>	
<b>Special Issue: III EUROBORON Conference</b>	
Preface .....	2693
<b>Reviews</b>	
Chemistry related to cluster-borane analogues of the cyclopentadienide anion and ferrocene: New developments B. Štibr .....	2694
Metallaborane reaction chemistry. Part 12. Some interactions of acetylenes and isocyanides with selected metallaboranes J. Bould, M. Bown, R.J. Coldicott, E.J. Ditzel, N.N. Greenwood, I. Macpherson, P. MacKinnon, M. Thornton-Pett, J.D. Kennedy .....	2701
<b>Regular papers</b>	
Stereospecific palladium-catalyzed borylation reaction of 1-alkenyl halides with diisopropylaminoborane L. Euzénat, D. Horhant, C. Brielles, G. Alcaraz, M. Vaultier .....	2721
Complementary anion binding by bidentate boron-containing Lewis acids N.D. Coombs, S. Aldridge, G. Wiltshire, D.L. Kays (née Coombs), C. Bresner, L.-I. Ooi .....	2725
Interaction of $\text{Na}_2\text{B}_{12}\text{H}_{11}\text{SH}$ with liposomes: Influence on zeta potential and particle size D. Awad, I. Tabod, S. Lutz, H. Wessolowski, D. Gabel .....	2732
A new look at the <i>nido</i> -undecaborate system O. Volkov, K. Radacki, R.L. Thomas, N.P. Rath, L. Barton .....	2736
Synthesis and X-ray structural characterization of the triphenylphosphine derivative of the <i>closo</i> -dodecaborate anion, <i>closo</i> - $[\text{B}_{12}\text{H}_{11}\text{P}(\text{C}_6\text{H}_5)_3][\text{N}(n\text{-C}_4\text{H}_9)_4]$ R. Bernard, D. Cornu, D. Luneau, D. Naoufal, J.-P. Scharff, P. Miele .....	2745
Synthesis of distorted molecules based on spatial control with icosahedral carboranes Y. Endo, C. Songkram, K. Ohta, K. Yamaguchi .....	2750
$\text{B}_{12}\text{H}_{11}$ -containing guanidinium derivatives by reaction of carbodiimides with $\text{H}_3\text{N-B}_{12}\text{H}_{11}(1-)$ . A new method for connecting boron clusters to organic compounds S. Hoffmann, E. Justus, M. Ratajski, E. Lork, D. Gabel .....	2757
Synthesis of carborane analogues of $\gamma$ -aminobutanoic acid V.A. Ol'shevskaya, R. Ayuob, Z.G. Brechko, P.V. Petrovskii, E.G. Kononova, G.L. Levit, V.P. Krasnov, V.N. Charushin, O.N. Chupakhin, V.N. Kalinin .....	2761
NMR determination of enantiomeric composition of 1-substituted 3-amino-1,2-dicarba- <i>closo</i> -dodecaboranes using $\text{Eu}(\text{hfc})_3$ M.I. Kodess, M.A. Ezhikova, G.L. Levit, V.P. Krasnov, V.N. Charushin .....	2766
Conjugates of polyhedral boron compounds with carbohydrates. 2. Unexpected easy <i>closo</i> - to <i>nido</i> -transformation of a carborane-carbohydrate conjugate in neutral aqueous solution L.O. Kononov, A.V. Orlova, A.I. Zinin, B.G. Kimel, I.B. Sivaev, V.I. Bregadze .....	2769

Metal complexes with an aminosubstituted tricarborollide ligand D.S. Perekalin, K.A. Lyssenko, P.V. Petrovskii, J. Holub, B. Štíbr, A.R. Kudinov .....	2775
Synthesis of a $(B_{12}H_{11}S)^{2-}$ containing glucuronoside as potential prodrug for BNCT B. Lechtenberg, D. Gabel .....	2780
Acidic hydrolysis of <i>N</i> -acyl-1-substituted 3-amino-1,2-dicarba- <i>closo</i> -dodecaboranes G.L. Levit, A.M. Demin, M.I. Kodess, M.A. Ezhikova, L.S. Sadretdinova, V.A. Ol'shevskaya, V.N. Kalinin, V.P. Krasnov, V.N. Charushin	2783
New method of synthesis of 6-hydroxy-nido-decaborane $6-(OH)B_{10}H_{13}$ by cage opening of $closo-[B_{10}H_{10}]^{2-}$ D. Naoufal, M. Kodeih, D. Cornu, P. Miele .....	2787
The synthesis of functional derivatives of the $[1-CB_9H_{10}]^-$ anion by Brelochs reaction I.B. Sivaev, Z.A. Starikova, P.V. Petrovskii, V.I. Bregadze, S. Sjöberg .....	2790
Fragmentation of $B_{12}H_{11}S-R(2-)$ in electrospray mass spectrometry I. Slepukhina, T. Dülcks, H.-M. Schiebel, D. Gabel .....	2796
Syntheses and catalytic activities of Group 4 metal complexes derived from $C_{(cage)}$ -appended cyclohexyloxocarborane trianion Z. Yinghuai, Z. Yulin, K. Carpenter, J.A. Maguire, N.S. Hosmane .....	2802
Borylborazines as new precursors for boron nitride fibres P. Miele, B. Toury, D. Cornu, S. Bernard .....	2809
Polyhedral monocarbaborane chemistry. Reactions of the $[6-Ph-nido-6-CB_9H_{11}]^-$ anion with two-electron donors to yield a series of neutral <i>arachno</i> and <i>closo</i> ten-vertex monocarbaborane derivatives N.J. Bullen, A. Franken, C.A. Kilner, S.J. Teat, W. Clegg, J.D. Kennedy .....	2815
Ruthenium (II) complexes of the chelating phosphine borane $H_2CIB \cdot dppm$ N. Merle, C.G. Frost, G. Kociok-Köhn, M.C. Willis, A.S. Weller .....	2829
Metallacarborane chemistry of the <i>hypho</i> - $[6,7-C_2B_6H_{13}]^-$ anion: Reaction with nickelocene and the formation of three multimetallic nickel-boron clusters M.G.S. Londesborough, T. Jelínek, B. Grüner, B. Štíbr, I. Císařová, M.J. Carr .....	2835
The first preparation of (1 <i>S</i> ,5 <i>R</i> )-(–)- and (1 <i>R</i> ,5 <i>S</i> )-(+)–7-phenyl-3-borabicyclo[3.3.1]non-6-enes and their application for synthesis of chiral cyclohexene derivatives M.E. Gurskii, A.L. Karionova, A.V. Ignatenko, K.A. Lyssenko, M.Yu. Antipin, Yu.N. Bubnov .....	2840
<b>Communications</b>	
Synthesis of the 1-hydroxy- <i>closo</i> -decaborate anion $[1-B_{10}H_9OH]^{2-}$ V.I. Bragin, I.B. Sivaev, V.I. Bregadze, N.A. Votnova .....	2847
Towards rod-shaped molecules based on the twelve-vertex ferratricarbollides B. Grüner, J. Bačkovský, I. Císařová, B. Štíbr .....	2850
New approaches to cluster modification in the 12-vertex metallatricarbollide series B. Grüner, L. Mikulášek, I. Císařová, B. Štíbr .....	2853
Macropolyhedral boron-containing cluster chemistry. An unusual 'neonido' ten-vertex subcluster configuration in a $[(PPh_3)_2RuB_{16}H_{20}]$ species M.J. Carr, S.D. Perera, T. Jelínek, C.A. Kilner, B. Štíbr, J.D. Kennedy .....	2857
<b>Issue 12</b>	
<b>Regular papers</b>	
Alkyliidenverbrückte, symmetrische, zweikernige Metallocenkomplexe als Katalysatoren für die Propylenpolymerisation M. Deppner, R. Burger, M. Weiser, H.G. Alt .....	2861
Synthesis, spectroscopic characterization of <i>O,O</i> -alkylene dithiophosphates of tellurolane and 1-oxa-4-tellurane. Single crystal structures of $C_4H_8Te[S_2P(OCH_2)_2CMe-^nPr]_2$ and $C_4H_8OTe[S_2P(OCH_2)_2CEt_2]_2$ A.M. Cotero-Villegas, R.-A. Toscano, M. Muñoz-Hernández, M. López-Cardoso, P. García y García, R. Cea-Olivares .....	2872
Reactivity of $C_6F_5S-P(C_6H_5)_2$ with $[M_3(CO)_{12}]$ ( $M = Fe, Ru, Os$ ). The X-ray crystal structures of $[Fe_2(\mu-SC_6F_5)(\mu-PPh_2)(CO)_6]$ , $[Ru_4(\mu_3-SPPPh_2)_2(\mu-SC_6F_5)_2(\mu-PPh_2)(SC_6F_5)_2(CO)_6]$ and $[Os_3(\eta^1-Ph_2P-SC_6F_5)(CO)_{11}]$ O. Baldovino-Pantaleón, G. Ríos-Moreno, R.A. Toscano, D. Morales-Morales .....	2880
Use of phosphine gold acetylides $[(R_3P)AuC\equiv CR]$ to form phosphine gold derivatives of tetra-iron and penta-iron clusters G. Ferguson, J.F. Gallagher, A.-M. Kelleher, T.R. Spalding, F.T. Deeney .....	2888

A DFT and direct MO dynamics study on the structures and electronic states of phenyl-capped terthiophene H. Tachikawa, H. Kawabata, K. Ishida, K. Matsushige .....	2895
Inclusion of molybdenocene dichloride (Cp <sub>2</sub> MoCl <sub>2</sub> ) in 2-hydroxypropyl- and trimethyl-β-cyclodextrin: Structural and biological properties S.S. Braga, M.P.M. Marques, J.B. Sousa, M. Pillinger, J.J.C. Teixeira-Dias, I.S. Gonçalves .....	2905
Direct functionalization of the cyclometalated 2-(2'-pyridyl)phenyl ligand bound to iridium(III) K.-M. Cheung, Q.-F. Zhang, K.-W. Chan, M.H.W. Lam, I.D. Williams, W.-H. Leung .....	2913
The theoretical research of the medium effect on the vibrational spectrum and the energy of intramolecular coordination =O → Si in (benzoyloxymethyl)trifluorosilane molecule S.G. Shevchenko, Y.L. Frolov, A.V. Abramov, M.G. Voronkov .....	2922
Preparation, structure and ethylene polymerization behavior of mixed-halide nickel(II) complexes and cobalt(II) complex containing imidazolium X. Wang, S. Liu, L. Weng, G.-X. Jin .....	2934
Synthesis, structure and ethylene polymerization behavior of titanium phosphinoamide complexes C. Qi, S. Zhang, J. Sun .....	2941
[Pd(H)(SnCl <sub>3</sub> )L <sub>2</sub> ]: The key active species in the catalyzed alkoxy carbonylation reaction of terminal alkenes D.H. Nguyen, Y. Coppel, M. Urrutigoity, P. Kalck .....	2947
Synthesis and oxidation of bis(triphenylgermyl)zinc M. Nanjo, T. Oda, T. Sato, K. Mochida .....	2952
Palladium-catalyzed cross-coupling reaction of ethynylstibanes with organic halides N. Kakusawa, K. Yamaguchi, J. Kurita .....	2956
Preparation, structural characterization of 1,2-digermycyclobut-3-enes, and their palladium-catalyzed insertion of alkynes K. Mochida, H. Karube, M. Nanjo, Y. Nakadaira .....	2967
Imino Diels–Alder reaction of boronates: A new route to 3,4-dihydroquinolines M. Rodríguez, M.E. Ochoa, R. Santillan, N. Farfán, V. Barba .....	2975
Ultrasound-irradiated Michael addition of amines to ferrocenylenones under solvent-free and catalyst-free conditions at room temperature J.-M. Yang, S.-J. Ji, D.-G. Gu, Z.-L. Shen, S.-Y. Wang .....	2989
Palladium catalyzed oxidation of monoterpenes: NMR study of palladium(II)–monoterpene interactions J.A. Gonçalves, M.J. da Silva, D. Piló-Veloso, O.W. Howarth, E.V. Gusevskaya .....	2996
Synthesis of polyacetylenic montiporic acids by means of organosilicon compounds V. Fiandanese, D. Bottalico, G. Marchese, A. Punzi .....	3004
Racemic and chiral expanded salen-type complexes derived from biphenol and binaphthol: Salbip and salbin J.M. Grill, J.H. Reibenspies, S.A. Miller .....	3009
Synthesis, structures and spectroelectrochemistry of methyl-substituted bis(η <sup>5</sup> -indenyl)iron(II) complexes O.J. Curnow, G.M. Fern .....	3018
Anodic polymerization of dithienosilole and electroluminescent properties of the resulting polymer J. Ohshita, D. Hamamoto, K. Kimura, A. Kunai .....	3027
Structural diversity of di and triorganotin complexes with 4-sulfanylbenzoic acid: Supramolecular structures involving intermolecular Sn···O, O–H···O or C–H···X (X = O or S) interactions C. Ma, Q. Zhang, R. Zhang, L. Qiu .....	3033
Reactions of the unsaturated triosmium cluster [(μ-H)Os <sub>3</sub> (CO) <sub>8</sub> (Ph <sub>2</sub> PCH <sub>2</sub> P(Ph)C <sub>6</sub> H <sub>4</sub> )] with HX (X = Cl, Br, F, CF <sub>3</sub> CO <sub>2</sub> , CH <sub>3</sub> CO <sub>2</sub> ): X-ray structures of [(μ-H)Os <sub>3</sub> (CO) <sub>7</sub> (η <sup>1</sup> -Cl)(μ-Cl) <sub>2</sub> (μ-dppm)], [(μ-H) <sub>2</sub> Os <sub>3</sub> (CO) <sub>8</sub> (Ph <sub>2</sub> PCH <sub>2</sub> P(Ph)C <sub>6</sub> H <sub>4</sub> )] <sup>+</sup> [CF <sub>3</sub> O] <sup>-</sup> and the two isomers of [(μ-H)Os <sub>3</sub> (CO) <sub>8</sub> (μ-Cl)(μ-dppm)] S.E. Kabir, M.A. Miah, N.C. Sarker, G.G. Hossain, K.I. Hardcastle, D. Rokhsana, E. Rosenberg .....	3044
Synthesis and structural characterization of gallium and indium complexes obtained from redistribution reactions of mixed chalcogen-imido-diphosphinate ligands M. Moya-Cabrera, R. Cea-Olivares, J. Alcántara-García, R.A. Toscano, V. Jancik, V. García-Montalvo, S. Hernández-Ortega .....	3054
Formation of phenylmagnesium halides in toluene H. Simuste, D. Panov, A. Tuulmets, B.T. Nguyen .....	3061

Ligand substitution in the mixed-metal cluster $\text{PhCCO}_2\text{Ni}(\text{CO})_6\text{Cp}$ by 2,3-bis(diphenylphosphino)maleic anhydride (bma): An intimate picture involving the stepwise conversion of the trinuclear cluster $\text{PhCCO}_2\text{Ni}(\text{CO})_4(\eta^2\text{-bma})\text{Cp}$ to the mononuclear compound $\text{CpNi}[\text{PPh}_2\text{CPhC}=\text{C}(\text{PPh}_2)\text{C}(\text{O})\text{OC}(\text{O})]$ S.G. Bott, K. Yang, M.G. Richmond .....	3067
Self-assembly of diorganotin(IV) 2- $\{[(E)\text{-}1\text{-}(2\text{-oxyaryl})\text{alkylidene}]\text{amino}\}$ acetates: An investigation of structures by X-ray diffraction, solution and solid-state tin NMR, and electrospray ionization MS T.S. Basu Baul, C. Masharing, R. Willem, M. Biesemans, M. Holčapek, R. Jirásko, A. Linden .....	3080
<b>Note</b>	
Hydroformylation of alkenes with paraformaldehyde catalyzed by rhodium–phosphine complexes M. Rosales, A. González, B. González, C. Moratinos, H. Pérez, J. Urdaneta, R.A. Sánchez-Delgado .....	3095
<b>Issue 13</b>	
<b>Regular papers</b>	
Pentamethylcyclopentadienylselenium derivatives VI: Synthesis and characterisation of ferrocenyl(pentamethylcyclopentadienyl)selenium M.R. Burgess, C.P. Morley, M.D. Vaira .....	3099
Helical racemate architecture based on osmium(II)-polypyridyl complexes: Synthesis and structural characterisation S.K. Singh, S. Sharma, M. Chandra, D.S. Pandey .....	3105
Synthesis and spectroscopic properties of diorganotin(IV) complexes of 2-quinolone and crystal structures of $(4\text{-FC}_6\text{H}_4\text{CH}_2)_2\text{Sn}(2\text{-quin})_2 \cdot 2\text{CH}_3\text{CN}$ and $\{[(2\text{-C/C}_6\text{H}_4\text{CH}_2)_2\text{SnCl}(2\text{-quin})]_2 \cdot \text{CH}_3\text{OH}\}_n$ H.D. Yin, Q.B. Wang, S.C. Xue .....	3111
Syntheses and crystal structures of three cesium salts: Cesium 5-sulfosalicylate, cesium 3,5-dinitrosalicylate and cesium 2,4-dinitrophenoxide monohydrate M. Hu, C. Geng, S. Li, Y. Du, Y. Jiang, Z. Liu .....	3118
Titanium complexes bearing aromatic-substituted $\beta$ -enaminoketonato ligands: Syntheses, structure and olefin polymerization behavior L.-M. Tang, T. Hu, Y.-J. Bo, Y.-s. Li, N.-H. Hu .....	3125
New reactivity of $\text{Cp}'_2\text{NbH}_3$ , $\text{Cp}' = \eta^5\text{-C}_5\text{H}_4\text{SiMe}_3$ . Synthesis, electrosynthesis and reactivity of new carboxylato niobocene complexes A. Antiñolo, S. Garcia-Yuste, I. López-Solera, A. Otero, J.C. Pérez-Flores, I.d. Hierro, L. Salvi, H. Catey, Y. Mugnier .....	3134
Synthesis and characterization of a novel chiral azomethine diselenide S. Panda, S.S. Zade, H.B. Singh, G. Wolmershäuser .....	3142
Synthesis and characterization of $[2\text{-}(2\text{-phenyl-}5,6\text{-dihydro-}4H\text{-}1,3\text{-oxazinyl})]$ tellurenyl chloride S. Kumar, H.B. Singh, G. Wolmershäuser .....	3149
Synthesis, molecular structure and catalytic activity of chiral benzamidinate nickel complexes E. Nelkenbaum, M. Kapon, M.S. Eisen .....	3154
Effect of high external pressures on the vibrational spectra of Zeise's complexes, $\text{K}[\text{Pt}(\eta^2\text{-C}_2\text{H}_4)\text{Cl}_3]$ and $[\text{Pt}(\eta^2\text{-C}_2\text{H}_4)\text{Cl}_2]_2$ J.A. Baldwin, D.F.R. Gilson, I.S. Butler .....	3165
Carbonylation of four-membered ruthenium and osmium metallacycles incorporating an orthometallated phenolic function: New acylruthenium and arylosmium complexes B.K. Panda, A. Chakravorty .....	3169
Ruthenium-catalyzed reduction of racemic tricarbonyl( $\eta^6$ -aryl ketone)chromium complexes using transfer hydrogenation: A simple alternative to the resolution of planar chiral organometallics C.V. Ursini, G.H.M. Dias, J.A.R. Rodrigues .....	3176
Study of the reaction of tetramethyltin with H $\beta$ zeolite Y. Zheng, X.-x. Wang, Z.-h. Li, X.-z. Fu, K.-m. Wei .....	3187
Synthesis and characterization of phospho-palladacycles and their catalytic properties in the olefination of chloro- and bromoarenes G.D. Frey, C.-P. Reisinger, E. Herdtweck, W.A. Herrmann .....	3193
Cationic arene ruthenium complexes containing chelating 1,10-phenanthroline ligands J. Canivet, L. Karmazin-Brelot, G. Süß-Fink .....	3202

Synthesis and crystal structures of the first germanium-containing alkylidene complexes of molybdenum $R_3Ge-CH=Mo(NAr)(OR')_2$ ( $R = Me, Ph$ ) with direct germanium–carbene carbon bond L.N. Bochkarev, A.V. Nikitinskii, Y.E. Begantsova, V.I. Shcherbakov, N.E. Stolyarova, I.K. Grigorieva, I.P. Malysheva, G.V. Basova, G.K. Fukin, E.V. Baranov, Y.A. Kurskii, G.A. Abakumov .....	3212
Organoselenium(II) and selenium(IV) compounds containing 2-( $Me_2NCH_2$ ) $C_6H_4$ moieties: solution behavior and solid state structure M. Kulcsar, A. Silvestru, C. Silvestru, J.E. Drake, C.L.B. Macdonald, M.E. Hursthouse, M.E. Light .....	3217
Reactivity of the dinuclear platina- $\beta$ -diketone $[Pt_2\{(COMe)_2H\}_2(\mu-Cl)_2]$ towards chelating ligands – Bridge cleavage versus formation of acetyl(chloro)platinum(II) complexes T. Gosavi, C. Wagner, H. Schmidt, D. Steinborn .....	3229
Synthesis of ferrocenoyl amino acid derivatives via homogeneous catalytic aminocarbonylation Á. Kuik, R. Skoda-Földes, J. Balogh, L. Kollár .....	3237
Reduction of 2-( $N,N$ -dimethylamino)ethyl substituted zirconocene dichlorides: Intramolecular activation of $NCH_2-H$ bond. The crystal structures of $[\eta^5:\eta^2(C,N)-C_5(CH_3)_4CH_2CH_2N(CH_3)CH_2][\eta^5-C_5(CH_3)_5]ZrX$ ( $X = Cl, H$ ) D.P. Krut'ko, M.V. Borzov, R.S. Kirsanov, A.V. Churakov, L.G. Kuz'mina .....	3243
Cobalt-mediated oligomerization reactions of amino-substituted acetylene derivatives A. Goswami, C.-J. Maier, H. Pritzkow, W. Siebert .....	3251
Rhodium(I) complexes with 1'-(diphenylphosphino)ferrocenecarboxylic acid as active and recyclable catalysts for 1-hexene hydroformylation A.M. Trzeciak, P. Štěpnička, E. Mieczynska, J.J. Ziółkowski .....	3260
Cluster-containing carbon-rich molecules: Reactions of ruthenium cluster carbonyls with $\{Au(PR_3)\}_2(\mu-C\equiv CC\equiv C)$ ( $R = Ph, tol$ ) M.I. Bruce, N.N. Zaitseva, B.W. Skelton, A.H. White .....	3268
Diels–Alder reaction of anthracene on carbosilane dendrimer C. Kim, K.-I. Lim, C.-G. Song .....	3278
First synthesis and structural report on selenophen-2-yl containing pnictogens: Biological activities of tris(selenophen-2-yl)stibine P. Sharma, N. Rosas, A. Cabrera, A. Toscano, M.d.J. Silva, D. Perez, L. Velasco, J. Perez, R. Gutierrez .....	3286
Replacement of $N$ -heterocyclic carbenes by $N$ -heterocyclic silylenes at a Pd(0) center: Experiment and theory A. Zeller, F. Bielert, P. Haerter, W.A. Herrmann, T. Strassner .....	3292
<b>Issue 14</b>	
<b>Regular papers</b>	
Glucose ferrocenyl-oxazolines: Coordination behavior toward $[Pd(\eta^3\text{-allyl})Cl]_2$ studied by ESI-MS Ch.G. Hartinger, A.A. Nazarov, M. Galanski, M. Reithofer, B.K. Keppler .....	3301
Metallacyclic complexes with <i>ortho</i> -silylated triphenylphosphine ligands, $L_nOs(\kappa^2(Si,P)-SiMe_2C_6H_4PPh_2)$ , derived from thermal reactions of the coordinatively unsaturated trimethylsilyl, methyl complex, $Os(SiMe_3)(Me)(CO)(PPh_3)_2$ G.R. Clark, G.-L. Lu, C.E.F. Rickard, W.R. Roper, L.J. Wright .....	3309
Redox reactions with bis( $\eta^6$ -arene) derivatives of early transition metals F. Calderazzo, U. Englert, G. Pampaloni, M. Volpe .....	3321
Diferrocenylcyclopropenyl cations. Synthesis, structures, and some chemical properties E.I. Klimova, T.K. Berestneva, S.H. Ortega, D.M. Iturbide, A.G. Marquez, M.M. García .....	3333
Reversible pyranil complex formation and the mechanism of rearrangement to ( $\eta^5$ -6-oxocycloheptadienyl) $Mn(CO)_3$ complexes in the reaction of $\beta$ -cyclomanganated 1,5-diarylpenta-1,4-dien-3-ones and alkynes; the crystal structure of $[2,4\text{-diphenyl-6-(2-phenylethenyl)pyranil-}\eta^5]$ tricarbonylmanganese W.J. Mace, L. Main, B.K. Nicholson .....	3340
$N$ - vs $O$ -Coordination in cyclomanganation of 1,5-diaryl-3-(2-pyridyl)pentane-1,5-diones and 3-(2-pyridyl)chalcones; cyclomanganation at saturated carbon and the crystal structure of $[1,5\text{-diphenyl-}\kappa C^2\text{-3-(2-pyridyl-}\kappa N)\text{pentan-2-yl-}\kappa C^2\text{-1,5-dione-}\kappa O^1\kappa O^5]$ tetracarbonylmanganesetricarbonylmanganese W. Tully, L. Main, B.K. Nicholson .....	3348
Cocondensation reactions of nitrogen-containing heterocycles with lithium atoms at 77 K O. Mendoza, H. Müller-Bunz, M. Tacke .....	3357
A biphasic displacement of [60]fullerene from <i>fac</i> -(dihapto-[60]fullerene)(dihapto-1,10-phenanthroline) tricarbonyl molybdenum (0) Y. Ocasio-Delgado, J. de Jesús-Segarra, J.E. Cortés-Figueroa .....	3366

Diazaallyls of group 4 metals based on <i>trans</i> -1,2-diaminocyclohexane E.J. Crust, I.J. Munslow, P. Scott .....	3373
Synthesis, structure, immobilization and solid-state NMR of new dppp- and tripod-type chelate linkers M. Bogza, T. Oeser, J. Blümel .....	3383
The synthesis and crystallographic characterisation of the complexes $[\text{RuX}(\text{CO})(\eta^2\text{-C}_6\text{H}_5\text{C}(\text{H})=\text{NC}_6\text{H}_4\text{-4Me})(\text{PPh}_3)_2] \cdot \text{CHCl}_3$ (X = Cl, Br, I, F): Evidence for competing Ru–X···Cl–CHCl <sub>2</sub> and Ru–X···HCCl <sub>3</sub> interactions in the solid state K.R. Flower, L.G. Leal, R.G. Pritchard .....	3390
Reactivity of cationic methyl rhodium(III) complexes <i>cis</i> -[Rh(β-diket)(PPh <sub>3</sub> ) <sub>2</sub> (CH <sub>3</sub> )(CH <sub>3</sub> CN)][BPh <sub>4</sub> ] toward ligands of different character: pyridine, carbon monoxide, and triphenylphosphine E.P. Shestakova, Y.S. Varshavsky, A.B. Nikolskii .....	3397
Studies of the reaction of dimethyltin dichloride with mercaptoacetic acid in the presence of amines and crystal structure of [( <i>n</i> -Pr) <sub>3</sub> NH][Me <sub>2</sub> Sn(μ <sup>2</sup> -SCH <sub>2</sub> COO)Cl] G. Zhong, Q. Liu, X. Song, G. Eng, Q. Xie .....	3405
Transformation of C <sub>2</sub> units on a bimetallic tetranuclear cluster. Reactivity of $[\text{Ru}_3\text{Mo}(\mu_3\text{-}\eta^1\text{-CC})(\mu\text{-CO})_3(\text{CO})_2(\eta\text{-C}_5\text{H}_4\text{R})_3(\eta\text{-C}_5\text{H}_5)]$ (R = H, Me) C.S. Griffith, G.A. Koutsantonis, B.W. Skelton, A.H. White .....	3410
Synthesis and characterisation of two novel Rh(I) carbene complexes: Crystal structure of [Rh(acac)(CO)(L <sub>1</sub> )] M.S. Datt, J.J. Nair, S. Otto .....	3422
Singlet–triplet energy separations in divalent five-membered cyclic conjugated C <sub>5</sub> H <sub>3</sub> X, C <sub>4</sub> H <sub>3</sub> SiX, C <sub>4</sub> H <sub>3</sub> GeX, C <sub>4</sub> H <sub>3</sub> SnX, and C <sub>4</sub> H <sub>3</sub> PbX (X = H, F, Cl, and Br) M.Z. Kassae, S. Arshadi, M. Acedy, E. Vessally .....	3427
On the coordination chemistry of corannulene, the smallest “buckybowl” M.W. Stoddart, J.H. Brownie, M.C. Baird, H.L. Schmider .....	3440
Ruthenium-catalyzed cycloisomerization of 1,1,2,2-tetramethyl-1,2-divinyldisilane: Selective formation of a five-membered silacycle S. Saito, K. Takeuchi, T. Mise, Y. Wakatsuki .....	3451
Novel α-fluorinated cyclic phosphite and phosphinite ligands and their Rh-complexes as suitable catalysts in hydroformylation I. Odinets, T. Kégl, E. Sharova, O. Artyushin, E. Goryunov, G. Molchanova, K. Lyssenko, T. Mastryukova, G.-V. Rösenthaller, G. Keglevich, L. Kollár .....	3456
Syntheses and characterization of η <sup>5</sup> -cyclopentadienyl and η <sup>5</sup> -indenyl ruthenium(II) complexes of arylazoimidazoles: The molecular structure of the complex $[(\eta^5\text{-C}_5\text{H}_5)\text{Ru}(\text{PPh}_3)(\text{C}_6\text{H}_5\text{-N=N-C}_3\text{H}_3\text{N}_2)]^+$ P. Govindaswamy, C. Sinha, M.R. Kollipara .....	3465
Stereoselective synthesis of enones from the reaction of aldehydes with sterically hindered dimethylaluminum enolates Z.S. Sales, R. Nassar, J.J. Morris, K.W. Henderson .....	3474
Syntheses, crystal structures and luminescent properties of two novel lanthanide/4-pya complexes: $[\text{Ln}(4\text{-pya})_3(\text{H}_2\text{O})_2]$ (Ln = Eu, La; 4-pya = <i>trans</i> -4-pyridylacrylate) Y.-J. Zhu, J.-X. Chen, W.-H. Zhang, Z.-G. Ren, Y. Zhang, J.-P. Lang, S.-W. Ng .....	3479
<b>Issue 15</b>	
<b>Special Issue: Organometallic Chemistry in Ionic Liquids</b>	
Preface .....	3489
<b>Reviews</b>	
Development in the green synthesis of cyclic carbonate from carbon dioxide using ionic liquids J. Sun, S.-i. Fujita, M. Arai .....	3490
Metal-containing ionic liquids and ionic liquid crystals based on imidazolium moiety I.J.B. Lin, C.S. Vasam .....	3498
Sonochemistry and sonoluminescence in ionic liquids, molten salts, and concentrated electrolyte solutions D.J. Flannigan, S.D. Hopkins, K.S. Suslick .....	3513

**Note**

- The preparation of silica entrapped homogeneous hydrogenation catalysts by conventional and ionic liquid mediated sol–gel routes  
S.J. Craythorne, A.R. Crozier, F. Lorenzini, A.C. Marr, P.C. Marr ..... 3518

**Regular papers**

- Kinetic study of the oxidative addition of methyl iodide to Vaska's complex in ionic liquids  
S.J. P'Pool, M.A. Klingshirn, R.D. Rogers, K.H. Shaughnessy ..... 3522
- Palladium catalyzed cycloisomerization of 2,2-diallylmalonates in imidazolium ionic liquids  
A. Corma, H. García, A. Leyva ..... 3529
- Asymmetric Michael addition promoted by (*R,R*)-*trans*-1,2-diaminocyclohexane in ionic liquids  
V. Gallo, D. Giardina-Papa, P. Mastrorilli, C.F. Nobile, G.P. Suranna, Y. Wang ..... 3535
- Promoting effect of ionic liquids on ligand substitution reactions  
M.D. Sliger, S.J. P'Pool, R.K. Traylor, J. McNeill III, S.H. Young, N.W. Hoffman, M.A. Klingshirn, R.D. Rogers, K.H. Shaughnessy ..... 3540
- Highly regioselective Heck reactions of heteroaryl halides with electron-rich olefins in ionic liquid  
W. Pei, J. Mo, J. Xiao ..... 3546
- Searching for molecular arene hydrogenation catalysis in ionic liquids  
T.J. Geldbach, P.J. Dyson ..... 3552
- The role of additional solvents in transition metal complex catalyzed asymmetric reductions in ionic liquid containing systems  
A. Wolfson, I.F.J. Vankelecom, P.A. Jacobs ..... 3558
- Mechanistic studies on the formation of Pt(II) hydroformylation catalysts in imidazolium-based ionic liquids  
P. Illner, A. Zahl, R. Puchta, N. van Eikema Hommes, P. Wasserscheid, R. van Eldik ..... 3567
- An ionic liquid-tagged second generation Hoveyda–Grubbs ruthenium carbene complex as highly reactive and recyclable catalyst for ring-closing metathesis of di-, tri- and tetrasubstituted dienes  
Q. Yao, M. Sheets ..... 3577
- Olefin metathesis in room temperature ionic liquids using imidazolium-tagged ruthenium complexes  
H. Clavier, N. Audic, J.-C. Guillemin, M. Mauduit ..... 3585
- Osmium catalyzed asymmetric dihydroxylation of methyl *trans*-cinnamate in ionic liquids, followed by supercritical CO<sub>2</sub> product recovery  
A. Serbanovic, L.C. Branco, M. Nunes da Ponte, C.A.M. Afonso ..... 3600
- Friedel-Crafts acylation reactions in pyridinium based ionic liquids  
Y. Xiao, S.V. Malhotra ..... 3609
- Osmium-catalyzed dihydroxylation of alkenes by H<sub>2</sub>O<sub>2</sub> in room temperature ionic liquid co-catalyzed by VO(acac)<sub>2</sub> or MeReO<sub>3</sub>  
M. Johansson, A.A. Lindén, Jan-E. Bäckvall ..... 3614
- Palladium-catalyzed hydroesterification of styrene derivatives in the presence of ionic liquids  
M.A. Klingshirn, R.D. Rogers, K.H. Shaughnessy ..... 3620

**Issue 16****Regular papers**

- Successful application of microstructured continuous reactor in the palladium catalysed aromatic amination  
C. Mauer, O. Buisine, S. Caravieilhés, G. Mignani ..... 3627
- Synthesis and characterisation of the platinum complexes [PtCl(CCl=PAR)(PPh<sub>3</sub>)<sub>2</sub>] and [PtCl(CCl=PAR')(PPh<sub>3</sub>)<sub>2</sub>] as potential intermediates in the preparation of phosphalkynes  
S.M. Cornet, K.B. Dillon, A.E. Goeta, J.A.K. Howard, M.D. Roden, A.L. Thompson ..... 3630
- The cyclometallation of bis(*di-p*-methylbenzylphosphino)methane  
A. Fernández, J.M. Vila ..... 3638
- Hydrogenation of single and multiple N–N or N–O bonds by Ru(II) catalysts in homogeneous phase  
A. Toti, P. Frediani, A. Salvini, L. Rosi, C. Giolli ..... 3641
- Study of homo- and cross-coupling competition in the reaction of triarylbi-muth(V) dicarboxylates with methyl acrylate in the presence of a palladium catalyst  
D.V. Moiseev, Y.B. Malysheva, A.S. Shavyrin, Y.A. Kurskii, A.V. Gushchin ..... 3652

Synthesis and X-ray structure of an unexpected bidentate allene–aminocarbene complex of tungsten J.G. López-Cortés, A. Samano-Galindo, M.C. Ortega-Alfaro, A. Toscano, H. Rudler, A. Parlier, C. Alvarez-Toledano .....	3664
Cyclometallation of phenylhydrazones: Synthesis, reactivity, crystal structure analysis and novel trinuclear palladium(II) cyclometallated compounds with [C, N, N'] terdentate ligands A. Fernández, D. Vázquez-García, J.J. Fernández, M. López-Torres, A. Suárez, J.M. Vila .....	3669
Synthesis and structural characterization of carbon-centered tris(pentafluorophenyl)silyl derivatives A.D. Dilman, D.E. Arkhipov, A.A. Korlyukov, V.P. Ananikov, V.M. Danilenko, V.A. Tartakovsky .....	3680
New distannanes containing the chiral 2-(4-isopropyl-2-oxazolonyl)-5-phenyl ligand L. Rupnicki, Z. Urbańczyk-Lipkowska, A. Stępień, P. Cmoch, Z. Pianowski, K. Staliński .....	3690
Ring-opening of 2,3-epoxy-1-propanol with R <sub>3</sub> Al: Unprecedented regiochemical switching simply achieved by changing alkyl substituents of aluminium reagent J. Lewiński, P. Horeglad, E. Tratkiewicz, I. Justyniak, Z. Ochal .....	3697
Bis(amino)allenyldiene complexes by displacement of the MeO group in methoxy allenyldiene complexes of chromium and tungsten. Synthesis, DFT calculations and solid-state structures of new bis(amino)allenyldiene complexes M. Drexler, T. Haas, S.-M. Yu, H.S.g. Beckmann, B. Weibert, H. Fischer .....	3700
Synthesis, characterization and structural studies of diorganotin(IV) complexes with Schiff base ligand salicylaldehyde isonicotinylhydrazone H.D. Yin, M. Hong, G. Li, D.Q. Wang .....	3714
New mononuclear ruthenium complexes of η <sup>5</sup> -cyclichydrocarbon containing azine ligands: Syntheses, spectral and structural studies K.S. Singh, Y.A. Mozharivskiy, C. Thöne, M.R. Kollipara .....	3720
Reactions of Ru <sub>3</sub> (CO) <sub>12</sub> with 2-pentynal-diethyl-acetal. The crystal structure of Ru <sub>2</sub> (CO) <sub>6</sub> [μ-η <sup>4</sup> -{EtC <sub>2</sub> C(H)(OEt) <sub>2</sub> }CO{EtC <sub>2</sub> C(H)(OEt) <sub>2</sub> }] and its reactivity towards tetraethyl-orthosilicate G. Gervasio, D. Marabello, E. Sappa, A. Secco .....	3730
Synthesis and quadratic molecular hyperpolarizabilities of two new chiral boronates: Computational and experimental study H. Reyes, J.M. Rivera, N. Farfán, R. Santillan, P.G. Lacroix, C. Lepetit, K. Nakatani .....	3737
Pyrazine bridged benzyl dicobaloximes: Competition between π-interaction and steric crowding in crystal structure D. Mandal, B.D. Gupta .....	3746
Reaction of Fe <sub>3</sub> (CO) <sub>12</sub> with but-2-yn-1,4-diol, 1,4-dichloro-but-2-yne, propargyl-alcohol and propargyl-chloride. The X-ray structures of [Fe <sub>2</sub> (CO) <sub>6</sub> {H <sub>2</sub> CCCCH <sub>2</sub> }], [Fe <sub>2</sub> (CO) <sub>6</sub> {H <sub>2</sub> CCC(H)C(OCH <sub>3</sub> )O}], and Fe <sub>3</sub> (CO) <sub>10</sub> {H <sub>2</sub> CCC(H)C(O)C{CH <sub>2</sub> (O)CH <sub>3</sub> }CCH <sub>2</sub> } G. Gervasio, D. Marabello, E. Sappa, A. Secco .....	3755
Rhenium carbonyl complexes with monodentate-coordinated diphosphines: activation of terminal phosphino groups towards amine-oxide oxidation W. Fan, R. Zhang, W.K. Leong, C.K. Chu, Y.K. Yan .....	3765
Intramolecular hydroamination of 6-aminohept-1-yne catalyzed by Lewis acidic rhenium(I) carbonyl complexes L.L. Ouh, T.E. Müller, Y.K. Yan .....	3774
Modification of mesoporous silicate SBA-15 with tris[bis(trimethylsilyl)amido]samarium and its utility in Tishchenko reaction Y. Chen, Z. Zhu, J. Zhang, J. Shen, X. Zhou .....	3783
Selective synthesis of ( <i>E</i> )-triethyl(2-arylethenyl)silane derivatives by reaction of aryl bromides with triethyl vinylsilane catalysed by a palladium–tetraphosphine complex A. Battace, T. Zair, H. Doucet, M. Santelli .....	3790
Synthesis, characterization, reactivity and theoretical studies of ruthenium carbonyl complexes containing <i>ortho</i> -substituted triphenyl phosphanes M.A. Moreno, M. Haukka, S. Jääskeläinen, S. Vuoti, J. Pursiainen, T.A. Pakkanen .....	3803
Alternative cocrystallization of “almost” enantiomers and true enantiomers in some <i>cis</i> -β-organocobalt salen-type complexes with α-amino acids R. Dreo, L. Mechi, G. Nardin, L. Randaccio, P. Siega .....	3815
The Heck-type arylation of allylic alcohols with arenediazonium salts J. Masllorens, S. Bouquillon, A. Roglans, F. Hénin, J. Muzart .....	3822
Indenols, indenones and (arylcyclohexadienyl)Mn(CO) <sub>3</sub> π-complexes from the thermally promoted reactions of alkynes with <i>ortho</i> -Mn(CO) <sub>4</sub> aryl ketone, amide, ester and aldehyde derivatives N.P. Robinson, G.J. Depree, R.W. de Wit, L. Main, B.K. Nicholson .....	3827

Reversible aryl C–H bond activation in the reaction between $\text{HRu}_3(\text{CO})_9,10(\mu\text{-PPh}_2)$ and the diphosphine ligand 4,5-bis(diphenylphosphino)-4-cyclopenten-1,3-dione (bpcd): X-ray diffraction structures of $\text{H}_2\text{Ru}_3(\text{CO})_7(\text{bpcd})[\mu, \sigma\text{-PPh}(\text{C}_6\text{H}_4)]$ and $\text{Ru}_3(\text{CO})_6(\mu\text{-CO})(\mu\text{-PPh}_2)[\mu, \eta^2, \eta^1\text{-PPhC}=\text{C}(\text{PPh}_2)\text{C}(\text{O})\text{CH}_2\text{C}(\text{O})]$ S.G. Bott, H. Shen, M.G. Richmond .....	3838
Chiral diethylzinc complexes with diamine ligands: synthesis, crystal structure and enantioselective solvent-free alkylation A. Johansson, E. Wingstrand, M. Håkansson .....	3846
Solvent-controlled selective synthesis of a <i>trans</i> -configured benzimidazoline-2-ylidene palladium(II) complex and investigations of its Heck-type catalytic activity H.V. Huynh, J.H.H. Ho, T.C. Neo, L.L. Koh .....	3854
<b>Note</b>	
ToF-SIMS analysis of surface-anchored organometallic clusters C. Li, M.Y. Doreen Lai, W.K. Leong .....	3861
<b>Erratum</b>	
Erratum to “Extremely bulky triarylphosphines incorporating 2,6-diisopropylphenyl substituents; consideration of steric shielding and steric pressure” [J. Organomet. Chem. 690 (2005) 2651–2657] R.T. Boéré, Y. Zhang .....	3864
<b>Issue 17</b>	
<b>Regular papers</b>	
Strategies for the synthesis of bi- and triarylic materials starting from commercially available phenols A.B. Chopa, G.F. Silbestri, M.T. Lockhart .....	3865
$\text{Me}_3\text{SiC}\equiv\text{C}-\text{CMe}=\text{CH}_2$ copper(I) $\beta$ -diketonates: Synthesis, solid state structure, and low-temperature chemical vapour deposition Y. Shen, T. Rüffer, S.E. Schulz, T. Gessner, L. Wittenbecher, H.-J. Sterzel, H. Lang .....	3878
The variation of coordination modes of aromatic imines in iron carbonyl complexes: Is there a correlation between bond lengths in organometallic model compounds and the reactivity of the ligands in catalytic C–C bond formation reactions? W. Imhof, A. Göbel, L. Schweda, D. Dönnecke, K. Halbauer .....	3886
Das chloresilylsubstituierte Silanimin $\text{tBu}_2\text{Si}=\text{N}-\text{SiCl}^t\text{Bu}_2$ H.-W. Lerner, N. Wiberg, J.W. Bats .....	3898
Iridium mediated methyl and phenyl C–H activation of 2-(aryloxy)phenols. Synthesis, structure, and spectral and electrochemical properties of some organoiridium complexes R. Acharyya, F. Basuli, S.-M. Peng, G.-H. Lee, R.-Z. Wang, T.C.W. Mak, S. Bhattacharya .....	3908
Nickel(II) complexes bearing phosphinoxazoline ligands: Synthesis, structures and their ethylene oligomerization behaviors X. Tang, D. Zhang, S. Jie, W.-H. Sun, J. Chen .....	3918
Preparation and structures of 6- and 7-coordinate salen-type zirconium complexes and their catalytic properties for oligomerization of ethylene H. Zhu, M. Wang, C. Ma, B. Li, C. Chen, L. Sun .....	3929
Synthesis, structure, catalytic transfer hydrogenation and biological activity of cyclometallated ruthenium(III)2-(aryloxy)phenolate complexes G. Venkatachalam, R. Ramesh, S.M. Mobin .....	3937
Titanium and zirconium complexes with novel phenoxy-phosphinimine ligands C.-H. Qi, S.-B. Zhang, J.-H. Sun .....	3946
Sonogashira coupling of diethynylsilane and dibromoarene in wet solvent for the formation of poly[(ethynylenearylene)- <i>co</i> -(diethynylenesilylenearylene)] J. Ohshita, D. Nada, Y. Tada, Y. Kimura, H. Yoshida, A. Kunai, Y. Kunugi .....	3951
Hexanuclear Pt complexes composed of two cyclic triplatinum units connected with 1,4-diphenylene and 1,1'-ferrocenylene spacer M. Itazaki, O. Kitami, M. Tanabe, Y. Nishihara, K. Osakada .....	3957
Efficient Suzuki coupling of aryl chlorides catalyzed by tricyclohexylphosphine adducts of cyclopalladated ferrocenylinimes J. Gong, G. Liu, C. Du, Y. Zhu, Y. Wu .....	3963
Synthesis of chiral chelating <i>N</i> -heterocyclic carbene complexes of ruthenium C. Marshall, M.F. Ward, W.T.A. Harrison .....	3970

Abnormal cyclopalladation of Schiff bases made of metallocenyl aldehydes and $\alpha$ -ferrocenylethylamine: Unexpected formation of the heteroannular 3-atomic bridge L.L. Troitskaya, Z.A. Starikova, T.V. Demeshchik, S.T. Ovseenko, E.V. Vorontsov, V.I. Sokolov .....	3976
1-Triphenylstannyl-2,4,5-tritertiarybutyl-1,3-diphosphole, $\text{Ph}_3\text{SnP}_2\text{C}_3\text{Bu}_3^+$ : Preparation, X-ray crystal structure, theoretical studies and solution fluxional behaviour F. Geoffrey, N. Cloke, P.B. Hitchcock, J.F. Nixon, D.J. Wilson, L. Nyulászi, T. Kárpáti .....	3983
Syntheses and characterization of cyano-bridged homo and hetero bimetallic complexes containing $\eta^5$ and $\eta^6$ -cyclic hydrocarbons R. Lalrempuia, M.R. Kollipara, P.J. Carroll, G.P.A. Yap, K.A. Kreisell .....	3990
Synthesis and crystal structure of a mixed-ligand compound di- <i>n</i> -butyl(4-chlorobenzoxy)(4-chlorobenzohydroxamato)tin(IV) X. Shang, Q. Li, J. Wu .....	3997
Chalcogen-capped ruthenium carbonyl clusters derived from diphosphazane mono- and dichalcogenides of the type $\text{X}_2\text{P}(\text{E})\text{N}(\text{R})\text{PX}_2$ and $\text{X}_2\text{P}(\text{E})\text{N}(\text{R})\text{P}(\text{E})\text{X}_2$ (E = S or Se) T.S. Venkatakrisnan, S.S. Krishnamurthy, M. Nethaji .....	4001
Synthesis, IR-, NMR- and X-ray investigations on some novel <i>N</i> -hetaryl-dihydro-pyrazolyl ferrocenes. Study on ferrocenes, part 16 V. Kudar, V. Zsoldos-Mády, K. Simon, A. Csámpai, P. Sohár .....	4018
Formation of new organometallic W/Cu/S clusters from reactions of $[(\eta^5\text{-C}_5\text{Me}_5)\text{WS}_3]_3\text{Cu}_7(\text{MeCN})_9(\text{PF}_6)_4$ with donor ligands. Crystal structures and optical limiting properties of $[(\eta^5\text{-C}_5\text{Me}_5)\text{WS}_3\text{Cu}_3(\text{Py})_6](\text{PF}_6)_2$ , $[(\eta^5\text{-C}_5\text{Me}_5)\text{WS}_3\text{Cu}_3\text{Br}(\text{PPh}_3)_3](\text{PF}_6)$ , and $[(\eta^5\text{-C}_5\text{Me}_5)\text{WS}_3\text{-Cu}_4(\text{Py})\text{Cl}(\text{dppm})_2](\text{PF}_6)_2$ H. Yu, W.-H. Zhang, Z.-G. Ren, J.-X. Chen, C.-L. Wang, J.-P. Lang, H.I. Elim, W. Ji .....	4027
Mono- and bis-[2-( <i>P,P</i> -dimethylphosphanyl)ethyl]tetramethylcyclopentadienyl zirconium(IV) complexes: Synthesis and structural studies in crystalline state and in solutions D.P. Krut'ko, M.V. Borzov, E.N. Veksler, A.V. Churakov, L. G. Kuz'mina .....	4036
Syntheses and crystal structures of diorganotin (IV) moieties with 3-hydroxy-2-pyridinecarboxylic acid R. Zhang, G. Tian, C. Ma .....	4049
Stereoselective synthesis of vinyl sulfones by carbomagnesiation of acetylenic sulfone in the presence of CuCN M. Xie, L. Liu, J. Wang, S. Wang .....	4058
Synthesis and electrochemical studies of organometallic cobalt(III) complexes with substituted benzonitrile chromophores: NMR spectroscopic data as a probe on the second-order non-linear optical properties M.H. Garcia, P.J. Mendes, A.R. Dias .....	4063
Synthesis and characterisation of new pyrazole-phosphinite ligands and their ruthenium(II) arene complexes R. Tribó, S. Muñoz, J. Pons, R. Yáñez, Á. Alvarez-Larena, J.F. Piniella, J. Ros .....	4072
Synthesis and characterization of aluminum complexes of 2-pyrazol-1-yl-ethenolate ligands Z.-X. Wang, D. Yang .....	4080
Bis(trimethylsilyl)ketene acetals as 1,3-dinucleophiles. Formation of an anhydride from (pentacarbonyl)(phenylethoxy)tungstacarbene H. Rudler, A. Parlier, C. Alvarez, J. Vaissermann .....	4087
<b>Notes</b>	
Cyclometalated platinum complexes: High-yield synthesis, characterization, and a crystal structure J.-Y. Cho, K.Y. Saponitsky, J. Li, T.V. Timofeeva, S. Barlow, S.R. Marder .....	4090
Palladium-catalyzed Sonogashira coupling reaction followed by isomerization and cyclization C.S. Cho .....	4094
<b>Issue 18</b>	
<b>Regular papers</b>	
Modeling lanthanide coordination compounds: Sparkle/AM1 parameters for praseodymium (III) R.O. Freire, N.B. da Costa Jr., G.B. Rocha, A.M. Simas .....	4099
Computational study of conformations and of sulfinyl oxygen-induced pentacoordination at silicon in 4-chloro-4-silathiacyclohexane 1-oxide and 4,4-dichloro-4-silathiacyclohexane 1-oxide F. Freeman, B. Entezam, F. Gomarooni, T.S. Welch, B.A. Shainyan .....	4103

Metallacyclic complexes with <i>ortho</i> -stannylated triphenylphosphine ligands, $L_nOs(\kappa^2(Sn,P)-SnMe_2C_6H_4PPh_2)$ , derived from thermal reactions of the five-coordinate complex, $Os(SnMe_3)Cl(CO)(PPh_3)_2$ G.-L. Lu, C.E.F. Rickard, W.R. Roper, L.J. Wright .....	4114
Synthesis and crystal structures of cyclodiazastannoxides fused cyclopentadienyl $M-Sn$ ( $M = Mo, W$ ) bonded organometallic heterocycle L.-F. Tang, X.-M. Zhao, Z.-H. Zou, H.-B. Song, Y.-P. Zhai .....	4124
TR-FTIR absorption spectroscopy of transition metal carbonyl radicals generated by photodissociation of metal–metal bonds, by halogen abstraction or by radical ligand substitution T.S. Chong, P. Li, W.K. Leong, W.Y. Fan .....	4132
Homolysis of the $Ln-N$ bond: Synthesis, characterization and catalytic activity of organolanthanide(II) complexes with furfuryl- and tetrahydrofurfuryl-functionalized indenyl ligands Y. Wu, S. Wang, C. Qian, E. Sheng, M. Xie, G. Yang, Q. Feng, L. Zhang, X. Tang .....	4139
Diborane (4) derivatives via coupling of amine monobromocyanoboranes: Study of the bromination of amine cyanoborane and molecular structures of the amine dibromocyanoboranes K. Takroui, E. Shalom, I. Goldberg, J. Katzhendler, M. Srebnik .....	4150
Tertiary phosphine induced migratory carbonyl insertion in cyclopentadienyl complexes of iron(II) N.M. Makunya, R. Meijboom, A. Muller, A. Roodt .....	4159
Synthesis and characterization of lithium and yttrium complexes containing tridentate pyrrolyl ligands. Single-crystal X-ray structures of $\{Li[C_4H_2N(CH_2NMe_2)_2-2,5]\}_2$ ( <b>1</b> ) and $\{[C_4H_2N(CH_2NMe_2)_2-2,5]YCl_2(\mu-Cl) \cdot Li(OEt_2)_2\}$ ( <b>2</b> ) and ring-opening polymerization of $\epsilon$ -caprolactone P.-C. Kuo, J.-C. Chang, W.-Y. Lee, H.M. Lee, J.-H. Huang .....	4168
Syntheses and structures of bowl-shaped triarylphosphines and their palladium(II) complexes Y. Ohzu, K. Goto, H. Sato, T. Kawashima .....	4175
A series of new zirconium complexes bearing bis(phenoxyketimine) ligands: Synthesis, characterization and ethylene polymerization S. Chen, X. Zhang, H. Ma, Y. Lu, Z. Zhang, H. Li, Z. Lu, N. Cui, Y. Hu .....	4184
<b>Notes</b>	
Luminescent palladium complexes containing thioamide-based SCS pincer ligands M. Akaiwa, T. Kanbara, H. Fukumoto, T. Yamamoto .....	4192
Kinetic investigation of a $PC(sp^3)P$ pincer palladium (II) complex in the Heck reaction P. Nilsson, O.F. Wendt .....	4197
Metal fragment exchange from a molybdaborane to a tungstaborane M.L.H. Green, J.B. Leach, M.A. Kelland .....	4203
Addition of primary phosphines to the unsaturated triosmium cluster $[(\mu-H)Os_3(CO)_8\{Ph_2PCH_2P(Ph)C_6H_4\}]$ : Synthesis of triosmium clusters bearing dppm, phosphide and phosphinidene ligands via P–H bond activation S.M. Azad, K.A. Azam, S.E. Kabir, M.S. Saha, G.M. Golzar Hossain .....	4206
<b>Issue 19</b>	
<b>Regular papers</b>	
Constrained geometry complexes of titanium (IV) and zirconium (IV) involving cyclopentadienyl fused to thiophene ring A.N. Ryabov, A.Z. Voskoboinikov .....	4213
Part I: 1,3-Dipolar addition of activated alkyne towards coordinated azido group in ruthenium(II) complexes containing $\eta^5$ -cyclichydrocarbons K.S. Singh, C. Thöne, M.R. Kollipara .....	4222
Synthesis, characterization and crystal structures of polymeric and dimeric triphenyltin(IV) complexes of 4-[( <i>E</i> )-1-{2-hydroxy-5-[( <i>E</i> )-2-(2-carboxyphenyl)-1-diazenyl]phenyl}methylidene)amino]aryls T.S. Basu Baul, K.S. Singh, M. Holčapek, R. Jirásko, E. Rivarola, A. Linden .....	4232
Synthetic, spectral and structural studies of some homo and hetero binuclear arene ruthenium (II) polypyridyl complexes A. Singh, S.K. Singh, M. Trivedi, D.S. Pandey .....	4243
Reaction of aryl azides with tris(trimethylsilyl)silyllithium: Synthesis of tmeda or thf adducts of $[Li\{N(Ar)Si(SiMe_3)_3\}]$ and 1,4-trimethylsilyl migration from oxygen to nitrogen Z.-X. Wang, Z.-Y. Chai, Y.-X. Li .....	4252

Preparation, X-ray structure, copolymerization with styrene of $[(\mu\text{-H})\text{Os}_3(\mu\text{-OCNMe}_2)(\text{CO})_9\{\text{P}(\text{CH}_2\text{CH}=\text{CH}_2)\text{Ph}_2\}]$ and catalytic properties of the cluster/styrene copolymer S.I. Pomogailo, G.V. Shilov, V.A. Ershova, A.V. Virovets, V.M. Pogrebnyak, N.V. Podberezhskaya, A.V. Golovin, G.I. Dzhardimalieva, A.D. Pomogailo .....	4258
Synthesis and properties of conjugated bimetallic ruthenium complexes with $\sigma,\sigma$ -bridging azobenzene chains J. Yin, G.-A. Yu, J. Guan, F. Mei, S.H. Liu .....	4265
Synthesis, structures and electrochemical properties of ruthenium (II) complexes bearing bidentate 1,8-naphthyridine and terpyridine analogous (N,N,C)-tridentate ligands T.-a. Koizumi, T. Tomon, K. Tanaka .....	4272
Chlorination of <i>p</i> -substituted triarylplnictogens by sulfonyl chloride: Difference in the reactivity and spectroscopic characteristics between bismuth and antimony A.M. Rahman, T. Murafuji, M. Ishibashi, Y. Miyoshi, Y. Sugihara .....	4280
Synthesis and structural characterization of <i>rac</i> -2-[(diphenylphosphino)methyl]ferrocenecarboxylic acid, its selected derivatives and some rhodium complexes M. Lamač, I. Čisarová, P. Štěpnička .....	4285
Ferrocenecarbothioamide and <i>N</i> -ethoxycarbonylferrocenecarbothioamide: Synthesis, structure and application in synthesis of 2,4-diferrocenylthiazole D. Plažuk, J. Zakrzewski, A. Rybarczyk-Pirek, S. Domagała .....	4302
Synthesis and reactivity of cyclometallated platinum (II) compounds containing [C,N,N'] terdentate ligands: Crystal structures of $[\text{PtCl}\{(\text{CH}_3)_2\text{N}(\text{CH}_2)_3\text{NCH}(4\text{-ClC}_6\text{H}_3)\}]$ , $[\text{PtCl}\{(\text{CH}_3)_2\text{N}(\text{CH}_2)_3\text{NCH}(2\text{-ClC}_6\text{H}_3)\}]$ and $[\text{PtCl}\{(\text{CH}_3)_2\text{N}(\text{CH}_2)_3\text{NCH}(3\text{-(CH}_3\text{)C}_6\text{H}_3)\}]$ A. Capapé, M. Crespo, J. Granell, M. Font-Bardía, X. Solans .....	4309
A quantum chemical study on the mechanism of S-coordinated tetrazole-thiolato formation by the reaction of organic isothiocyanates with metal azido complexes of Pt(II), Pd(II), and Sn K. Lee, Y.-J. Kim, K.K. Baek .....	4319
Synthesis and structure of the chiral palladium–fullerene $\text{C}_{60}$ and $\text{C}_{70}$ complexes with enantiomeric ligand 2,2',5,5'-tetramethyl-4,4'-bis(diphenylphosphino)-3,3'-bithiophene [(–)-tetraMe-BITIOP] V.V. Bashilov, F.M. Dolgushin, P.V. Petrovskii, V.I. Sokolov, M. Sada, T. Benincori, G. Zotti .....	4330
Tertiary phosphine abstraction from a platinum(II) coordination complex with $\text{SeCN}^-$ : Crystal and molecular structures of $\text{Se}=\text{PTA}$ and $[\text{Se}=\text{PTA-Me}]\text{I} \cdot \text{CH}_3\text{OH}$ S. Otto, A. Ionescu, A. Roodt .....	4337
$\pi(\text{Arene})$ versus donor ligand complexation in the formation of the heterobimetallic lithium–potassium dianion of ( <i>S</i> )- <i>N</i> -( $\alpha$ -methylbenzyl)allylamine P.C. Andrews, S.M. Calleja, M. Maguire .....	4343
Coordination insertion reactions of acrylonitrile into Pd–H and Pd–methyl bonds in a diimine-palladium(II) system G. Stojcevic, E.M. Prokopchuk, M.C. Baird .....	4349
Synthesis and structural characterization of unsymmetrical osmocenes containing the pentamethylcyclopentadienyl ligand S.M. Arachchige, M.J. Heeg, C.H. Winter .....	4356
<b>Notes</b>	
Structural chemistry of mononuclear, tetranuclear and hexanuclear organotin(IV) carboxylates from the reaction of di- <i>n</i> -butyltin oxide or diphenyltin oxide with rhodanine- <i>N</i> -acetic acid R. Zhang, J. Sun, C. Ma .....	4366
A topological isomer of ferrocene: Theoretical approach for transition metal complexes with conjugated all <i>trans</i> cyclodecapentaene A. Nakamura, T. Ohshima, K. Mashima .....	4373
Piano stool complexes containing the bulky pentaphenylcyclopentadienyl( $\text{C}_5\text{Ph}_5$ ) ligand: Preparation, characterization and X-ray structure of $\text{C}_5\text{Ph}_5\text{Zr}(\text{N}(\text{CH}_3)_2)_3$ (I) J. An, L. Urrieta, R. Williams, W. Tikkanen, R. Bau, M. Yousufuddin .....	4376
<b>Issue 20</b>	
<b>Special Issue: 14th International Symposium on Homogeneous Catalysis</b>	
Preface .....	4381

**Reviews**

- Bis(pyrrolide-imine) Ti complexes with MAO: A new family of high performance catalysts for olefin polymerization  
Y. Yoshida, S. Matsui, T. Fujita ..... 4382
- Fluorinated bis(phenoxy-imine) Ti complexes with MAO: Remarkable catalysts for living ethylene and syndioselective living propylene polymerization  
R. Furuyama, J. Saito, S. Ishii, H. Makio, M. Mitani, H. Tanaka, T. Fujita ..... 4398
- Uniqueness and versatility of iminopyrrolyl ligands for transition metal complexes  
K. Mashima, H. Tsurugi ..... 4414

**Regular papers**

- Rhodium (II) compounds with functionalized metalated phosphines as bridging ligands  
F. Estevan, P. Lahuerta, J. Lloret, D. Penno, M. Sanaú, M.A. beda ..... 4424
- Rh(1,3-bis(2,4,6-trimethylphenyl)-3,4,5,6-tetrahydropyrimidin-2-ylidene)(COD) tetrafluoroborate, an unsymmetrical Rh-homoallylcarbene: synthesis, X-ray structure and reactivity in carbonyl arylation and hydrosilylation reactions  
N. Imlinger, K. Wurst, M.R. Buchmeiser ..... 4433
- Non-metallocene rare earth metal catalysts for the diastereoselective and enantioselective hydroamination of aminoalkenes  
K.C. Hultsch, D.V. Gribkov, F. Hampel ..... 4441
- Sequential and domino Sonogashira coupling: Efficient tools for the synthesis of diarylalkynes  
A. Nagy, Z. Novák, A. Kotschy ..... 4453
- Synthesis of Pd(II) and Pt(II) complexes possessing bicyclo[3.2.0]heptanyl phosphinite ligands: Identification of a novel Pd(II) precatalyst for 1,6-diene cycloisomerisation  
I.J.S. Fairlamb, S. Grant, A.C. Whitwood, J. Whitthall, A.S. Batsanov, J.C. Collings ..... 4462
- Catalytic reactions of hydrosiloxanes with allyl chloride  
M. Jankowiak, H. Maciejewski, J. Gulinski ..... 4478
- Aqueous oxidation of alcohols catalyzed by artificial metalloenzymes based on the biotin-avidin technology  
C.M. Thomas, C. Letondor, N. Humbert, T.R. Ward ..... 4488
- Cross-coupling of vinylsilacyclobutane with olefins catalyzed by [RuH(Cl)(CO)(PCy<sub>3</sub>)<sub>2</sub>]  
M. Jankowska, O. Shuvalova, N. Bepalova, M. Majchrzak, B. Marciniak ..... 4492
- Oxidations by the system “hydrogen peroxide-[Mn<sub>2</sub>L<sub>2</sub>O<sub>3</sub>][PF<sub>6</sub>]<sub>2</sub> (L = 1,4,7-trimethyl-1,4,7-triazacyclononane)-oxalic acid”. Part 6. Oxidation of methane and other alkanes and olefins in water  
G.B. Shul’pin, G.V. Nizova, Y.N. Kozlov, V.S. Arutyunov, A.C.M. dos Santos, A.C.T. Ferreira, D. Mandelli ..... 4498
- Supraphos: A supramolecular strategy to prepare bidentate ligands  
J.N.H. Reek, M. Röder, P.E. Goudriaan, P.C.J. Kamer, P.W.N.M. van Leeuwen, V.F. Slagt ..... 4505
- The palladium-phenanthroline catalyzed carbonylation of nitroarenes to diarylureas: Effect of chloride and diphenylphosphinic acid  
M. Gasperini, F. Ragaini, C. Remondini, A. Caselli, S. Cenini ..... 4517

**Issues 21–22****Regular papers**

- Halogen exchange at boron in *nido*-C<sub>4</sub>B<sub>2</sub> carboranes  
Y. Nie, H. Pritzkow, H. Wadeh, W. Siebert ..... 4531
- Novel benzyl substituted titanocene anti-cancer drugs  
N.J. Sweeney, O. Mendoza, H. Müller-Bunz, C. Pampillón, F.K. Rehmann, K. Strohhfeldt, M. Tacke ..... 4537
- The spectra, structures and electrochemistry of Ni(η<sup>5</sup>-C<sub>5</sub>H<sub>5</sub>)(PPh<sub>3</sub>)-C≡C-Ar complexes, and their reactions with Co<sub>2</sub>(CO)<sub>8</sub>  
P. Butler, J.F. Gallagher, A.R. Manning, H. Mueller-Bunz, C.J. McAdam, J. Simpson, B.H. Robinson ..... 4545
- Crystal structure, antitumor activities and DNA-binding properties of the La(III) complex with Phthalazin-1(2H)-one prepared by a novel route  
Y. Wang, Z.-Y. Yang, Q. Wang, Q.-K. Cai, K.-B. Yu ..... 4557
- Antibacterial activities of ferrocenyl- and cobaltocenium-peptide bioconjugates  
J.T. Chantson, M.V.V. Falzacappa, S. Crovella, N. Metzler-Nolte ..... 4564

Preparation of rhenium hydride complexes with pyrazole and pyrazolato ligands G. Albertin, S. Antoniutti, A. Bacchi, G. Pelizzi, M. Tollon .....	4573
Controlled nucleophilic activation of different sites in $[\text{Mo}_2\text{Cp}_2\text{L}_2(\mu\text{-SMe})_2(\mu\text{-L}')^+]$ cations (L = Bu <sup>n</sup> NC, xyINC, CO; L' = SMe or PPh <sub>2</sub> ) N. Cabon, F.Y. Pétillon, P.-Y. Orain, P. Schollhammer, J. Talarmin, K.W. Muir .....	4583
Inverted piano-stool dimers of half-sandwich Ru(II) complexes with ( <i>R</i> )-phenylglycine methylester and ( <i>S</i> )-phenylalanineamide: An X-ray structural study and preliminary catalytic results P. Pelagatti, A. Bacchi, F. Calbiani, M. Carcelli, L. Elviri, C. Pelizzi, D. Rogolino .....	4602
X-ray molecular structures and multinuclear NMR studies of the tetranuclear iridium clusters $[\text{Ir}_4(\text{CO})_7(\mu_4\text{-}\eta^3\text{-PhCC(H)CCPh})(\mu\text{-PPh}_2)_3]$ and $[\text{Ir}_4(\text{CO})_7(\mu_3\text{-}\eta^2\text{-HCCPh})(\eta^1\text{-CCPh})(\mu\text{-PPh}_2)_3]$ M.H. Araujo, R.M.S. Pereira, M.D. Vargas, D. Braga, F. Grepioni .....	4611
Ethylene polymerization behavior of monometallic complexes and metallo dendrimers based on cyclopentadienyl-aryloxy titanium units S. Arévalo, E. de Jesús, F.J. de la Mata, J.C. Flores, R. Gómez, M.-M. Rodrigo, S. Vigo .....	4620
Triphenylphosphine-substituted selenido and sulfido clusters of osmium derived from Ph <sub>3</sub> P=Se or Ph <sub>3</sub> P=S H. Akter, A.J. Deeming, G.M. Golzar Hossain, S.E. Kabir, D.N. Mondol, E. Nordlander, A. Sharmin, D.A. Tocher .....	4628
A comparison of Cp <sup>*</sup> - and Tp-ruthenium carbyne complexes prepared via site selective electrophilic addition to neutral ruthenium vinylidenes N.J. Beach, A.E. Williamson, G.J. Spivak .....	4640
Heck and Suzuki coupling reactions in water using poly(2-oxazoline)s functionalized with palladium carbene complexes as soluble, amphiphilic polymer supports D. Schönfelder, O. Nuyken, R. Weberskirch .....	4648
Photochemical synthesis and spectroscopic characteristic of the first vinylsilane carbonyl complexes of tungsten(0) B. Biernat, T. Szymańska-Buzar .....	4656
New bridging ligands from methylation reactions of $\mu$ -vinyliminium diiron complexes V.G. Albano, L. Busetto, F. Marchetti, M. Monari, S. Zacchini, V. Zanotti .....	4666
Synthesis and structures of bis(alkyldihydroxysilyl)methanes J.H. Kim, S.-H. Kang, J.S. Han, M.E. Lee, D.H. Moon, M.S. Lah, B.R. Yoo .....	4677
The salt-free diamido complexes of lanthanide supported by $\beta$ -diketiminato: Synthesis, characterization, and their catalytic activity for the polymerization of acrylonitrile and $\epsilon$ -caprolactone M. Xue, Y. Yao, Q. Shen, Y. Zhang .....	4685
In search of triplet ground state GeCNX germynes (X = H, F, Cl, and Br): An ab initio and DFT study M.Z. Kassae, M. Ghambarian, S.M. Musavi .....	4692
The synthesis and characterization of $\text{Re}_3(\mu\text{-H})_3(\text{CO})_{9-n}(\text{PMe}_3)_n(\mu_3\text{-}\eta^2\text{-}\eta^2\text{-}\eta^2\text{-C}_{60})$ ( $n = 2, 3$ ) complexes H. Kang, B.K. Park, M.A. Miah, H. Song, D.G. Churchill, S. Park, M.-G. Choi, J.T. Park .....	4704
Methyltrioxorhenium heterogenized on commercially available supporting materials as cyclooctene metathesis catalyst A.M.J. Rost, H. Schneider, J.P. Zoller, W.A. Herrmann, F.E. Kühn .....	4712
Pressure-tuning vibrational spectra of the heterobimetallic complexes, Ph <sub>3</sub> MCo(CO) <sub>4</sub> (M = Sn, Pb) I.S. Butler, J.F. Meng, D.F.R. Gilson, J.A. Kozinski .....	4719
Cyclopentadienyliron complexes of nitrosobenzene: Preparation, structure and reactivity with olefins J.C. Stephens, M.A. Khan, K.M. Nicholas .....	4727
Synthesis and characterization of wire-like Ru <sub>2</sub> ( <i>ap</i> ) <sub>4</sub> -[ $\sigma$ -oligo(phenylene ethynyl)] compounds T. Ren, D.A. Parish, G.-L. Xu, M.H. Moore, J.R. Deschamps, J.-W. Ying, S.K. Pollack, T.L. Schull, R. Shashidhar .....	4734
Surface organometallic chemistry: Facile $\mu_2$ -carbene to $\mu_3$ -carbyne transformation of organocobalt carbonyls on silica surface M. Pizzotti, C. Zucchi, A. Chiesi-Villa, R. Boese, G. Pályi .....	4740
(Tetramethylcyclobutadiene)cobalt complexes with monoanionic carborane ligands $[\text{9-L-7,8-C}_2\text{B}_9\text{H}_{10}]^-$ (L = SMe <sub>2</sub> , NMe <sub>3</sub> and py) V.I. Meshcheryakov, P.S. Kitaev, K.A. Lyssenko, Z.A. Starikova, P.V. Petrovskii, Z. Janoušek, M. Corsini, F. Laschi, P. Zanello, A.R. Kudinov .....	4745
Synthesis and characterization of some organosilicon derivatives of poly 2-hydroxyethyl methacrylate with cubane as a cross-linking agent M.G. Assadi, M. Mahkam, Z. Tajrezaei .....	4755

A computational study of the arsabenzenes: Structure, properties and aromaticity R. Ghiasi .....	4761
C–H and C–C bonds activation by iridium clusters: Synthesis and solid state structure of $[\text{Ir}_6(\text{CO})_{14}(\mu_3\text{-}\eta^1\text{:}\eta^2\text{:}\eta^1\text{-C}_7\text{H}_8)]$ R. Della Pergola, L. Garlaschelli, M. Manassero, M. Sansoni, A. Sironi, D. Strumolo .....	4768
Synthesis, characterization, and in vitro antimicrobial activity of organotin(IV) complexes with triazolo-pyrimidine ligands containing exocyclic oxygen atoms M.A. Girasolo, C. Di Salvo, D. Schillaci, G. Barone, A. Silvestri, G. Ruisi .....	4773
Synthesis and structure of potential Lewis acid–Lewis base bifunctional catalysts: 2- <i>N,N</i> -Diisopropylaminophenylboronate derivatives S.W. Coghlan, R.L. Giles, J.A.K. Howard, L.G.F. Patrick, M.R. Probert, G.E. Smith, A. Whiting .....	4784
Preparation and Diels–Alder reaction of carbosilane dendrimer with conjugated diene C. Kim, H. Kim, K. Park .....	4794
Inclusion complex formation of diferrocenyldimethylsilane with $\beta$ -cyclodextrin J.A. Fernandes, S. Lima, S.S. Braga, P. Ribeiro-Claro, J.E. Rodriguez-Borges, C. Teixeira, M. Pillinger, J.J.C. Teixeira-Dias, I.S. Gonçalves .....	4801
Preparation and properties of palladium(II) complexes of 3-oxo-1-(2,4,6-tri- <i>t</i> -butylphenyl)-1,3-diphosphapropenes K. Nishide, H. Liang, S. Ito, M. Yoshifuji .....	4809
Syntheses, characterization, structure and redox properties of new Rh(III) cyclometallates incorporating azoimine ligands J. Lal Pratihari, D. Patra, S. Chattopadhyay .....	4816
Unprecedented ligand anti-bis-benzylation upon thermolytic treatment of 2,3-diphenylbenzo[ <i>g</i> ]quinoxaline with ( $\eta^1$ -benzyl) pentacarbonylmanganese J.-P. Djukic, A. de Cian, N. Kyritsakas Gruber .....	4822
Synthesis and characterization of titanium and tantalum complexes with di(2-pyridyl)amine (dpa): Molecular structures of $\text{Cp}^*\text{TaCl}_3(\text{dpa})$ and $\text{Ti}(\text{NMe}_2)_2(\text{dpa})_2$ R. Fandos, C. Hernández, A. Otero, A. Rodríguez, M.J. Ruiz .....	4828
Organogold(I) complexes: Synthesis, X-ray crystal structures and auriphilicity C. Croix, A. Balland-Longeau, H. Allouchi, M. Giorgi, A. Duchêne, J. Thibonnet .....	4835
Reactivity of bis( $\eta^6$ -arene) derivatives of titanium, vanadium and niobium with fulvenes bearing electron-withdrawing substituents L. Calucci, U. Englert, G. Pampaloni, C. Pinzino, M. Volpe .....	4844
Synthesis and structure of new trichloroplatinum $\pi$ -complexes: Reactivity of nitrogen lone-pair versus C–C double bond $\pi$ -electrons in ligands, effect of steric hindrance M. Gay, Á.M. Montaña, V. Moreno, M. Font-Bardia, X. Solans .....	4856
Mononuclear ruthenium complexes containing two different phosphines in <i>trans</i> position: I. Synthesis and spectroscopic characterization F. Micoli, L. Salvi, A. Salvini, P. Frediani, C. Giannelli .....	4867
Transition metal carbene chemistry 5: Kinetic studies on the nucleophilic substitution reactions of $(\text{CO})_5\text{M}=\text{C}(\text{SCH}_3)\text{CH}_3$ (M = Cr and W) with primary amines in aqueous acetonitrile M. Ali, S. Gangopadhyay, Md. Mijanuddin .....	4878
Perfluorofluorenyl anions and their use as co-catalysts in the zirconocene-promoted polymerization of olefins F. Calderazzo, F. Masi, G. Pampaloni, V. Passarelli, R. Santi, A. Sommazzi, S. Spera, F. Tumminia .....	4886
Preparation and characterization of chloro- and polyhydride complexes of rhenium: Variable-temperature NMR spectroscopy and protonation studies J. Bravo, J. Castro, S. García-Fontán, M. Iglesias, P. Rodríguez-Seoane .....	4899
Syntheses and molecular structures of group 8 benzonitrile complexes R.L. Cordiner, D. Albesa-Jové, R.L. Roberts, J.D. Farmer, H. Puschmann, D. Corcoran, A.E. Goeta, J.A.K. Howard, P.J. Low .....	4908
Copolymerization of olefins and CO catalyzed by new chiral arsine–oxazoline palladium complexes C.-Y. Wang, D.-M. Tan, K.S. Chan, Y.-H. Liu, S.-M. Peng, S.-T. Liu .....	4920
Synthesis and reactivity of organolanthanide complexes containing phenothiazine ligand toward carbodiimide and isothiocyanate L. Ma, J. Zhang, R. Cai, Z. Chen, L. Weng, X. Zhou .....	4926
Organopalladium complex promoted asymmetric synthesis of a P-chiral phosphanorbornene in ionic liquids and in organic solvents S.-K. Loh, G.-K. Tan, L.L. Koh, S. Selvaratnam, P.-H. Leung .....	4933

The aromaticity of tungstenacyclobutadiene, $\text{Cl}_3\text{W}(-\text{ButC}-\text{CMe}-\text{CMe}-)$ : A DFT/NICS study F. Erdman III, D.B. Lawson .....	4939
New bromo-, triflato-, and hydridotricarbonylrhenium(I) complexes with diphosphinite ligands: Structural, spectral and protonation studies of various hydrides S. Bolaño, J. Bravo, J. Castro, S. García-Fontán, M.C. Marin, P. Rodríguez-Seoane .....	4945
Synthesis of ferrocenoate esters, amides and other ferrocenoyl derivatives using ferrocenoyl fluoride. A comparison of the reactions of ferrocenoyl fluoride in $[\text{bmim}][\text{BF}_4]$ with the microwave-promoted solvent-free reactions of ferrocenoyl fluoride C. Imrie, E.R.T. Elago, N. Williams, C.W. McClelland, P. Engelbrecht .....	4959
An interesting metallocarborane cage closure and dismantling reaction including the facile halogenation of a cluster carbon atom: Structure of $[1,2-(\eta^5\text{-C}_5\text{Me}_5)_2\text{-}\mu\text{-}1,2\text{-H-closo-}1,2,3\text{-Rh}_2\text{CB}_4\text{H}_4\text{-}3\text{-I}]$ M.G.S. Londesborough, M.J. Carr, J.D. Kennedy .....	4967
Facile syntheses of four-membered aurathietane dioxide $[\text{Au}-\text{CHR}-\text{SO}_2\text{-CHR}]$ ring systems, and the first isonitrile insertion reaction into a gold(III)-carbon bond W. Henderson, B.K. Nicholson, A.L. Wilkins .....	4971
<b>Notes</b>	
Metalloporphyrin as a ligand in organometallic complexes: Synthesis and characterization of a nickel(II) porphyrin complex of 1,5-cyclooctadienedichlororuthenium(II) M.R. Maurya, L.K. Woo .....	4978
$\gamma$ -Methylene chalcogenopyrans and benzopyrans as proaromatic donors in “push–pull” Fischer type carbene complexes: Influences of chalcogen atom and chain length on the electronic and N.L.O. properties of these molecules N. Faux, B. Caro, F. Robin-Le Guen, P. Le Poul, K. Nakatani, E. Ishow .....	4982
Displacement of the heptane solvent from $(\eta^5\text{-C}_5\text{H}_5)\text{Re}(\text{CO})_2(\text{heptane})$ : A flash photolysis study using infrared detection A.A. Bengali .....	4989
Reaction of 2,3-bis(methylthio)pyrrolo[1,2- <i>a</i> ]benzimidazol-1-one with $\text{BrRe}(\text{CO})_3(\text{THF})_2$ : X-ray diffraction structure, redox chemistry, and luminescence behavior of <i>fac</i> - $\text{BrRe}(\text{CO})_3\{N,S\text{-}2,3\text{-bis(methylthio)pyrrolo[1,2-}a\text{]benzimidazol-1-one}\}$ G. Wu, D.R. Glass, D. May, W.H. Watson, D. Wiedenfeld, M.G. Richmond .....	4993
Synthesis and molecular structure of boron-bridged constrained geometry complexes of zirconium and hafnium H. Braunschweig, F.M. Breitling, K. Radacki, F. Seeler .....	5000
Ruthenium cationic species for transfer hydrogenation of aldehydes: Synthesis and catalytic properties of $[(\text{PPh}_3)_2\text{Ru}(\text{CH}_3\text{CN})_3\text{Cl}]^+[\text{A}]^-$ {A = $\text{BPh}_4$ or $\text{ClO}_4$ } and structure of $[(\text{PPh}_3)_2\text{Ru}(\text{CH}_3\text{CN})_3\text{Cl}]^+[\text{BPh}_4]^-$ S. Naskar, M. Bhattacharjee .....	5006
<b>Errata</b>	
Erratum to “Zoledronic acid: pharmacologic profile of a potent bisphosphonate” [J. Organomet. Chem. 690 (2005) 2439–2448] J. Green .....	5011
Erratum to “Dimethylplatinum(II) complexes with isocyanocoumarin ligands: The crystal structure of <i>cis</i> -dimethylbis-(7-diethylamino-3-isocyanocoumarin)platinum(II)” [J. Organomet. Chem. 690 (2005) 168–176] C. Anderson, D.A. Freedman, M. Jennings, B. Gray .....	5012
<b>Issue 23</b>	
<b>Special Issue: Organometallic Chemistry – The Next Generation</b>	
Preface .....	5013
<b>Regular papers</b>	
Reactivity differences between molecular and surface silanols in the preparation of homogeneous and heterogeneous olefin metathesis catalysts F. Blanc, M. Chabanas, C. Copéret, B. Fenet, E. Herdweck .....	5014
Synthesis and structural characterisation of rhodium hydride complexes bearing N-heterocyclic carbene ligands S. Douglas, J.P. Lowe, M.F. Mahon, J.E. Warren, M.K. Whittlesey .....	5027
Evolution of lowest singlet and triplet excited states with transition metals in group 10–12 metallaynes containing biphenyl spacer L. Liu, S.-Y. Poon, W.-Y. Wong .....	5036

Addition of heterocycles to electron deficient olefins and alkynes catalyzed by gold(III) Z. Li, Z. Shi, C. He .....	5049
Ruthenium–benzocrownether complexes: Synthesis, structures, catalysis and immobilisation in ionic liquids T.J. Geldbach, M.R.H. Brown, R. Scopelliti, P.J. Dyson .....	5055
Titanium-catalyzed iminohydrazination of alkynes S. Banerjee, Y. Shi, C. Cao, A.L. Odom .....	5066
Bis(phosphinimino)methanides as ligands in divalent lanthanide and alkaline earth chemistry – synthesis, structure, and catalysis T.K. Panda, A. Zulys, M.T. Gamer, P.W. Roesky .....	5078
The unusual reactions of indium(I) trifluoromethanesulfonate with some first row metallocenes and the structure of “indium(II) cyclopentadienide” C.G. Andrews, C.L.B. Macdonald .....	5090
Regioselectivity in nickel(0)/phosphine catalyzed cycloadditions of alkynes and isocyanates H.A. Duong, J. Louie .....	5098
In situ grafting of cyclopentadienyl-molybdenum complexes on mesoporous materials: The reaction of $[\eta^5\text{-CpMo}(\text{CO})_3]^- \text{Na}^+$ with surface fixed iodo-benzyl siloxane A. Sakthivel, J. Zhao, G. Raudaschl-Sieber, F.E. Kühn .....	5105
Palladium complexes containing ligands with hydrogen-bonding functionalities. Reactivity and catalytic studies with CO and olefins G.R. Owen, H.A. Burkill, R. Vilar, A.J.P. White, D.J. Williams .....	5113
Radical and migratory insertion reaction mechanisms in Schiff base zirconium alkyls P.D. Knight, G. Clarkson, M.L. Hammond, B.S. Kimberley, P. Scott .....	5125
Synthesis, structure and catalytic properties of $[\text{Cp}^*\text{Cr}(\text{C}_6\text{F}_5)(\text{Bn})(\text{THF})]$ toward ethylene in the presence of $\text{AlEt}_3$ M. Ganesan, F.P. Gabbai .....	5145
The role of phosphine in cobalt-catalyzed carbonylative polymerization of <i>N</i> -alkylaziridine H. Xu, N. LeGall, L. Jia, W.W. Brennessel, B.E. Kucera .....	5150
Chiral molecular polygons based on the Pt-alkynyl linkage: Self-assembly, characterization, and functionalization H. Jiang, W. Lin .....	5159
Ligand and solvent effects on cobalt(I)-catalysed reactions: Alkyne dimerisation versus $[2+2+2]$ -cyclootrimerisation versus Diels–Alder reaction versus $[4+2+2]$ -cycloaddition G. Hilt, W. Hess, T. Vogler, C. Hengst .....	5170
Rare earth metal complexes based on $\beta$ -diketiminato and novel linked bis( $\beta$ -diketiminato) ligands: Synthesis, structural characterization and catalytic application in epoxide/ $\text{CO}_2$ -copolymerization D.V. Vitanova, F. Hampel, K.C. Hultsch .....	5182
Rhodium-catalyzed cascade reactions: A methylenation–hydroboration homologative process H. Lebel, C. Ladjel .....	5198
Catalytic hydrogenolysis of alkyl halides by sulfido-bridged molybdenum clusters: A density functional study J.E. McGrady, J. Gracia .....	5206
Mechanistic investigation of the thermal decomposition of $\text{Biphen}(\text{OPi-Pr})\text{PtEt}_2$ : An entrance into C–C single bond activation? K. Ruhland, E. Herdtweck .....	5215
Design and synthesis of new bidentate alkoxy-NHC ligands for enantioselective copper-catalyzed conjugate addition H. Clavier, L. Coutable, L. Toupet, J.-C. Guillemin, M. Mauduit .....	5237
Dicopper(I) oxalate complexes as molecular precursors for the deposition of copper compounds J. Teichgräber, S. Dechert, F. Meyer .....	5255
Diphenylphosphino(phenyl pyridin-2-yl methylene)amine palladium(II) complexes: Chemoselective alkene hydrocarboxylation initiators P.W. Dyer, J. Fawcett, M.J. Hanton .....	5264
Organometallic Mo–O–Bi complexes S. Roggan, C. Limberg, M. Brandt, B. Ziemer .....	5282
Conformational behaviour of dinuclear Rh(I) complexes of the open-chain tetrapyrrolic ligand 2,2'-bidipyrrin ( $\text{H}_2\text{BDP}$ ) M. Bröring, E. Cónsul Tejero .....	5290

Intramolecular cyanoboration of alkynes via activation of boron–cyanide bonds by transition metal catalysts M. Sugimoto, A. Yamamoto, M. Murakami .....	5300
Synthesis and structures of dinuclear iron, molybdenum and tungsten complexes derived from (PhCHCHPh)-coupled bis(cyclopentadiene) B. Li, B. Wang, S. Xu, X. Zhou .....	5309
Synthesis and property of BrCCH- and BrCCBr-coordinated tetrairon clusters M. Okazaki, M. Takano, K.-i. Yoshimura .....	5318
Complexes of tantalum with triaryloxides: Ligand and solvent effects on formation of hydride derivatives H. Kawaguchi, T. Matsuo .....	5333
Reactions of (imidazol-2-ylidene)silver(I) chlorides with group 4 metal containing Lewis acids D. Hollmann, A.R. Kennedy, M.D. Spicer, T. Ramnial, J.A.C. Clyburne, C.D. Abernethy .....	5346
Toward a general method for CCC <i>N</i> -heterocyclic carbene pincer synthesis: Metallation and transmetallation strategies for concurrent activation of three C–H bonds R.J. Rubio, G.T.S. Andavan, E.B. Bauer, T.K. Hollis, J. Cho, F.S. Tham, B. Donnadieu .....	5353
Synthesis, structures, and photophysical properties of silicon and carbon-bridged ladder oligo( <i>p</i> -phenylenevinylene)s and related $\pi$ -electron systems S. Yamaguchi, C. Xu, H. Yamada, A. Wakamiya .....	5365
Copper-catalyzed oxidative cleavage of carbon–carbon double bond of enol ethers with molecular oxygen M. Tokunaga, Y. Shirogane, H. Aoyama, Y. Obora, Y. Tsuji .....	5378
Side chain-directed complementary <i>cis</i> -coordination of two pyridines on Pd(II): Selective multicomponent assembly of square-, rectangular-, and trigonal prism-shaped molecules M. Yoshizawa, M. Nagao, K. Kumazawa, M. Fujita .....	5383
Intramolecular double or triple Suzuki coupling reaction of substituted di- or tribromobenzenes. An easy synthesis of fused tri- or tetracycles with a benzene core S. Ma, B. Ni, S. Lin, Z. Liang .....	5389
<b>Issues 24–25</b>	
<b>Special Issue: Carbene Chemistry</b>	
Preface .....	5397
<b>Reviews</b>	
Development of novel reactions using ruthenium carbene catalyst and its application to novel methods for preparing nitrogen-containing heterocycles M. Arisawa, Y. Terada, C. Theeraladanon, K. Takahashi, M. Nakagawa, A. Nishida .....	5398
Steric and electronic effects in the bonding of <i>N</i> -heterocyclic ligands to transition metals L. Cavallo, A. Correa, C. Costabile, H. Jacobsen .....	5407
<i>N</i> -heterocyclic carbenes from transition metal coordinated functional isocyanides of the type <i>o</i> -(CH <sub>2</sub> Y)C <sub>6</sub> H <sub>4</sub> N≡C (Y = OSiMe <sub>3</sub> , OH; N <sub>3</sub> ; AsR <sub>3</sub> <sup>+</sup> ) M. Basato, R.A. Michelin, M. Mozzon, P. Sgarbossa, A. Tassan .....	5414
Rhenium and technetium complexes with <i>N</i> -heterocyclic carbenes – A review H. Braband, T.I. Kückmann, U. Abram .....	5421
Carbene ligands in diiron complexes L. Busetto, V. Zanotti .....	5430
Copper, silver and gold-based catalysts for carbene addition or insertion reactions M.M. Díaz-Requejo, P.J. Pérez .....	5441
NHC ligands versus cyclopentadienyls and phosphines as spectator ligands in organometallic catalysis R.H. Crabtree .....	5451
Pd–benzothiazol-2-ylidene complex in ionic liquids: Efficient catalyst for carbon–carbon coupling reactions V. Calò, A. Nacci, A. Monopoli .....	5458
Contributions to the chemistry of carbenometal chemistry M.F. Lappert .....	5467

New tripodal N-heterocyclic carbene chelators for small molecule activation X. Hu, K. Meyer .....	5474
Phosphorus-substituted carbene complexes: Chelates, pincers and spirocycles N.D. Jones, R.G. Cavell .....	5485
<b>Regular papers</b>	
Reaction of the RuTp(PR <sub>3</sub> )Cl fragment with alkynols: Formation of carbene, vinylidene, allenylidene, and carbyne complexes S. Pavlik, K. Mereiter, M. Puchberger, K. Kirchner .....	5497
Tandem diene ring-closing metathesis of alkynyl silaketals for the formation of bicyclic siloxanes J.B. Grimm, R.D. Otte, D. Lee .....	5508
Toward the catalytic synthesis of phosphiranes. A computational study T.P.M. Goumans, A.W. Ehlers, K. Lammertsma .....	5517
Stereoselectivity in metal carbene and Lewis acid-catalyzed reactions from diastereomeric dirhodium(II) carboxamidates: Menthyl <i>N</i> -acetyl-2-oxoimidazolidine-4( <i>S</i> )-carboxylates M.P. Doyle, J.P. Morgan, J.T. Colyer .....	5525
The interaction of rhodium carbenoids with carbonyl compounds as a method for the synthesis of tetrahydrofurans A. Padwa .....	5533
A stable (amino)(phosphino)carbene as bidentate ligand for palladium and nickel complexes: Synthesis, structure, and catalytic activity E. Teuma, C. Lyon-Saunier, H. Gornitzka, G. Mignani, A. Baceiredo, G. Bertrand .....	5541
Structure and reactivity of bis(iodozincio)methane solution S. Matsubara, H. Yoshino, Y. Yamamoto, K. Oshima, H. Matsuoka, K. Matsumoto, K. Ishikawa, E. Matsubara .....	5546
Ruthenium-catalyzed tandem ring closing metathesis (RCM) – atom transfer radical cyclization (ATRC) sequences B. Schmidt, M. Pohler .....	5552
Synthesis and structural chemistry of oxazoliny-carbene copper(I) complexes N. Schneider, V. César, S. Bellemin-Laponnaz, L.H. Gade .....	5556
Dinuclear ruthenium(I) complexes of the type [Ru <sub>2</sub> (CO) <sub>4</sub> L <sub>2</sub> ] with carboxylate or 2-pyridonate ligands: Evaluation as catalysts for olefin cyclopropanation with diazoacetates T. Werle, L. Schäffler, G. Maas .....	5562
Fast transfer hydrogenation using a highly active orthometalated heterocyclic carbene ruthenium catalyst W. Baratta, J. Schütz, E. Herdtweck, W.A. Herrmann, P. Rigo .....	5570
A new pyridine-bis- <i>N</i> -heterocyclic carbene ligand and its coordination to Rh: Synthesis and characterization E. Mas-Marzá, M. Sanaú, E. Peris .....	5576
Synthesis of hydrophilic Fischer carbene complexes as organometallic marker and PEGylating agent for proteins D. Samanta, S. Sawoo, S. Patra, M. Ray, M. Salmain, A. Sarkar .....	5581
A nonenolizable imino- <i>N</i> -heterocyclic carbene ligand and corresponding silver (I) metal complex K.S. Coleman, S. Dastgir, G. Barnett, M.J.P. Alvite, A.R. Cowley, M.L.H. Green .....	5591
A convenient route to six-membered heterocyclic carbene complexes: Reactions of aminoallenylidene complexes with 1,3-bidentate nucleophiles N. Szesni, M. Drexler, B. Weibert, H. Fischer .....	5597
Divergent reactivity of alk-5-ynylidene cyclopropanes in the presence of the 1st or the 2nd generation Grubbs' catalysts B. Trillo, M. Gullías, F. López, L. Castedo, J.L. Mascareñas .....	5609
Factors that affect the kinetic and thermodynamic acidities of Fischer carbene complexes: New insights from the study of the cationic (methoxymethylcarbene)dicarbonylpentamethylcyclopentadienyl iron ([Cp <sup>+</sup> (CO) <sub>2</sub> Fe=C(OMe)Me] <sup>+</sup> ) in aqueous acetonitrile C.F. Bernasconi, M.L. Ragains .....	5616
Synthesis and structural characterisation of linear Au(I) <i>N</i> -heterocyclic carbene complexes: New analogues of the Au(I) phosphine drug Auranofin M.V. Baker, P.J. Barnard, S.J. Berners-Price, S.K. Brayshaw, J.L. Hickey, B.W. Skelton, A.H. White .....	5625
Asymmetric synthesis of <i>cis</i> -2,4-disubstituted azetidin-3-ones from metal carbene chemistry A.C.B. Burtoloso, C.R.D. Correia .....	5636

First examples of dipyrido[1,2-c:2',1'-e]imidazolin-7-ylidenes serving as NHC-ligands: Synthesis, properties and structural features of their chromium and tungsten pentacarbonyl complexes M. Nonnenmacher, D. Kunz, F. Rominger, T. Oeser .....	5647
Synthesis of palladium–biscarbene complexes derived from 1,1'-methylenebis(1,2,4-triazole) functionalized in the methylene bridge E. Díez-Barra, J. Guerra, V. Hornillos, S. Merino, J. Tejada .....	5654
Rhodium complexes of PC <sup>NHC</sup> P: Oxidative addition of dichloromethane and catalytic hydrosilylation of alkynes affording ( <i>E</i> )-alkenylsilanes J.Y. Zeng, M.-H. Hsieh, H.M. Lee .....	5662
Enantioselective copper catalysed 1,4-conjugate addition reactions using chiral <i>N</i> -heterocyclic carbenes C.L. Winn, F. Guillen, J. Pytkowicz, S. Roland, P. Mangeney, A. Alexakis .....	5672
[6 + 3] Cycloaddition of Fischer aminocarbene complexes: An efficient annulation of fulvenes to indene derivatives J. Barluenga, S. Martínez, A.L. Suárez-Sobrinó, M. Tomás .....	5696
The reaction of amidinato(pyridine) complexes of molybdenum and tungsten with triethylborane adduct of <i>N</i> -heterocyclic carbene (NHC · BEt <sub>3</sub> ): Investigation on the reactivity of NHC · BEt <sub>3</sub> as carbene precursor toward transition metal complexes K. Ogata, Y. Yamaguchi, T. Kashiwabara, T. Ito .....	5701
Silver alkoxide and amino <i>N</i> -heterocyclic carbenes; syntheses and crystal structures I.S. Edworthy, M. Rodden, S.A. Mungur, K.M. Davis, A.J. Blake, C. Wilson, M. Schröder, P.L. Arnold .....	5710
Synthesis and some properties of 14 group element-containing alkylidene complexes of molybdenum and tungsten L.N. Bochkarev, Y.E. Begantsova, V.I. Shcherbakov, N.E. Stolyarova, I.K. Grigorieva, I.P. Malysheva, G.V. Basova, A.L. Bochkarev, Y.P. Barinova, G.K. Fukin, E.V. Baranov, Y.A. Kurskii, G.A. Abakumov .....	5720
Polymerization of phenylacetylene by novel Rh (I)-, Ir (I)- and Ru (IV) 1,3-R <sub>2</sub> -3,4,5,6-tetrahydropyrimidin-2-ylidenes (R = mesityl, 2-propyl): Influence of structure on activity and polymer structure Y. Zhang, D. Wang, K. Wurst, M.R. Buchmeiser .....	5728
Rhodium <i>N</i> -heterocyclic carbene complexes: Synthesis, structure, NMR studies and catalytic activity D.P. Allen, C.M. Crudden, L.A. Calhoun, R. Wang, A. Decken .....	5736
Novel rhodium complexes with ferrocene-based <i>N</i> -heterocyclic carbenes: Synthesis, structure and catalysis Y. Yuan, G. Raabe, C. Bolm .....	5747
<i>N</i> -Heterocyclic carbenes as ligands in palladium-catalyzed Tsuji–Trost allylic substitution Y. Sato, T. Yoshino, M. Mori .....	5753
Reaction of cyclopropylcarbene–metal complexes with nucleophiles, halogens and HX M.D. Reid, L. Tirado, J. Zhang, N. Dike, J.W. Herndon .....	5759
The electrochemical activity of heteroatom-stabilized Fischer-type carbene complexes C. Baldoli, P. Cerea, L. Falcicola, C. Giannini, E. Licandro, S. Maiorana, P. Mussini, D. Perdicchia .....	5777
Synthesis and reactivity of zirconium and hafnium complexes incorporating chelating diamido- <i>N</i> -heterocyclic-carbene ligands L.P. Spencer, M.D. Fryzuk .....	5788
Synthesis of electron-rich platinum centers: Platinum <sup>0</sup> (carbene)(alkene) <sub>2</sub> complexes M.A. Duin, M. Lutz, A.L. Spek, C.J. Elsevier .....	5804
Synthesis, characterization, and catalytic activity of a ruthenium carbene complex coordinated with bidentate 2-pyridine-carboxylato ligands F.E. Hahn, M. Paas, R. Fröhlich .....	5816
Synthesis and asymmetric catalytic application of chiral imidazolium–phosphines derived from (1 <i>R</i> ,2 <i>R</i> )- <i>trans</i> -diaminocyclohexane R. Hodgson, R.E. Douthwaite .....	5822
An efficient and mild protocol for the $\alpha$ -arylation of ketones mediated by an (imidazol-2-ylidene)palladium(acetate) system R. Singh, S.P. Nolan .....	5832
Studies on Pd/imidazolium salt protocols for aminations of aryl bromides and iodides using lithium hexamethyldisilazide (LHMDS) I. Conesa Lerma, M.J. Cawley, F.G.N. Cloke, K. Arentsen, J.S. Scott, S.E. Pearson, J. Hayler, S. Caddick .....	5841
Novel rhodium-1,3-dialkyl-3,4,5,6-tetrahydropyrimidin-2-ylidene complexes as catalysts for arylation of aromatic aldehydes I. Özdemir, S. Demir, B. Çetinkaya, E. Çetinkaya .....	5849

Reaction of isocyanides with iminophosphorane-based carbene ligands: Synthesis of unprecedented ketenimine–ruthenium complexes V. Cadierno, J. García-Álvarez, J. Gimeno, J. Rubio-García .....	5856
Improved cross-metathesis of acrylate esters catalyzed by 2nd generation ruthenium carbene complexes G.S. Forman, R.P. Tooze .....	5863
Ligand properties of <i>N</i> -heterocyclic and Bertrand carbenes: A density functional study C.-L. Lai, W.-H. Guo, M.-T. Lee, C.-H. Hu .....	5867
Novel acyclic carbene-substituted phospho-palladacycles G.D. Frey, W.A. Herrmann .....	5876
Zinc <i>N</i> -heterocyclic carbene complexes and their polymerization of D,L-lactide T.R. Jensen, C.P. Schaller, M.A. Hillmyer, W.B. Tolman .....	5881
Reactions of complex ligands part 106. Heterobimetallic fused arenes: Chromium-templated benzannulation of a ferrocene-type metal carbene J. Bennewitz, M. Nieger, B. Lewall, K.H. Dötz .....	5892
Some recent applications of Fischer carbenemetal complexes in organic synthesis Y.-T. Wu, T. Kurahashi, A. de Meijere .....	5900
The effect of substituents at silicon on the cross-metathesis of trisubstituted vinylsilanes with olefins C. Pietraszuk, H. Fischer, S. Rogalski, B. Marciniak .....	5912
Stereoselective [3+2+2] cycloaddition utilizing optically active binuclear Fischer carbene complexes with alkynes K. Kamikawa, Y. Shimizu, H. Matsuzaka, M. Uemura .....	5922
Metal–metal bond cleavage of carbene complexes by halogens: The crystal and molecular structures of <i>ax</i> -[Mn <sub>2</sub> (CO) <sub>9</sub> {C(OEt)2-thienyl}], [Mn(CO) <sub>4</sub> (I){C(OEt)2-thienyl}] and <i>eq</i> -[Mn <sub>2</sub> (CO) <sub>9</sub> {C(NH <sub>2</sub> )2-thienyl}] S. Lotz, M. Landman, D.I. Bezuidenhout, A.J. Olivier, D.C. Liles, P.H. van Rooyen .....	5929
Synthesis and characterization of a free phenylene bis( <i>N</i> -heterocyclic carbene) and its di-Rh complex: Catalytic activity of the di-Rh and CCC–NHC Rh pincer complexes in intermolecular hydrosilylation of alkynes G.T.S. Andavan, E.B. Bauer, C.S. Letko, T.K. Hollis, F.S. Tham .....	5938
<sup>1</sup> Pyridine and phosphine functionalised <i>N</i> -heterocyclic carbene complexes of rhodium and iridium N. Stylianides, A.A. Danopoulos, N. Tsoureas .....	5948
Formation of chiral ionic liquids and imidazol-2-ylidene metal complexes from the proteinogenic aminoacid L-histidine F. Hannig, G. Kehr, R. Fröhlich, G. Erker .....	5959
Efficient synthesis of fumaric amides through cross-metathesis of acrylic amides with the NHC Grubbs ruthenium catalyst J. Streuff, K. Muñiz .....	5973
Synthesis, structure and electronic properties of <i>N</i> -dialkylamino- and <i>N</i> -alkoxy-1,2,4-triazol-3-ylidene ligands M. Alcarazo, R. Fernández, E. Álvarez, J.M. Lassaletta .....	5979
Electronic structure and electrophilic reactivity of discrete copper diphenylcarbenes Y.M. Badiei, T.H. Warren .....	5989
Allylic substitution reactions with Grignard reagents catalyzed by imidazolium and 4,5-dihydroimidazolium carbene–CuCl complexes S. Okamoto, S. Tominaga, N. Saino, K. Kase, K. Shimoda .....	6001
Synthesis and crystallographic characterization of multi-donor <i>N</i> -heterocyclic carbene chelating ligands and their silver complexes: Potential use in pharmaceuticals J.C. Garrison, C.A. Tessier, W.J. Youngs .....	6008
Electron-donor/acceptor properties of carbynes, carbenes, vinylidenes, allenylidenes and alkynyls as measured by electrochemical ligand parameters A.J.L. Pombeiro .....	6021
Luminescent coordination polymers with extended Au(I)–Ag(I) interactions supported by a pyridyl-substituted NHC ligand V.J. Catalano, A.O. Etogo .....	6041

Excited state properties of $[\text{Pd}^0(\text{NHC})(\text{quinone})]_2$ with NHC = 1,3-bis(2,4,6-trimethylphenyl)imidazol-2-ylidene and quinone = 1,4-naphthoquinone H. Kunkely, A. Vogler .....	6051
Oxidative addition of aryl chlorides to palladium N-heterocyclic carbene complexes and their role in catalytic arylation J.C. Green, B.J. Herbert, R. Lonsdale .....	6054
Bonding aspects of P-heterocyclic carbene transition metal complexes. A computational assessment H. Jacobsen .....	6068
On the ligand properties of the P- versus the N-heterocyclic carbene for a Grubbs catalyst in olefin metathesis W.W. Schoeller, D. Schroeder, A.B. Rozhenko .....	6079
Oxidative addition of MeI to cationic Rh(I) carbonyl complexes with pyridyl bis(carbene) ligands J.M. Wilson, G.J. Sunley, H. Adams, A. Haynes .....	6089
Synthesis of new polymetallic carbene complexes: Uracil analogs A. Llordes, M.A. Sierra, M.P. Lopez-Alberca, E. Molins, S. Ricart .....	6096
The first synthesis of cyclopropanone acetals from the reaction of Fischer carbene complexes with ketene acetals S.L.B. Wang, D.R. Goldberg, X. Liu, J. Su, Q.-H. Zheng, V. Liptak, W.D. Wulff .....	6101
Asymmetric C–H insertion of Rh(II) stabilized carbenoids into acetals: A C–H activation protocol as a Claisen condensation equivalent H.M.L. Davies, J. Yang, J. Nikolai .....	6111
Synthesis and characterization of novel Pd(II) and Pt(II) complexes with 5-ring chelating iminoylcarbene ligands M. Frøseth, K.A. Netland, C. Rømming, M. Tilset .....	6125
Furan- and thiophene-functionalised bis-carbene ligands: Synthesis, silver(I) complexes, and catalysis D.J. Nielsen, K.J. Cavell, M.S. Viciu, S.P. Nolan, B.W. Skelton, A.H. White .....	6133
Development of 7-membered N-heterocyclic carbene ligands for transition metals C.C. Scarborough, B.V. Popp, I.A. Guzei, S.S. Stahl .....	6143
Synthetic and structural studies of NHC–Pt(dvtms) complexes and their application as alkene hydrosilylation catalysts (NHC = N-heterocyclic carbene, dvtms = divinyltetramethylsiloxane) G. Berthon-Gelloz, O. Buisine, J.-F. Brière, G. Michaud, S. Stérin, G. Mignani, B. Tinant, J.-P. Declercq, D. Chapon, I.E. Markó .....	6156
Nickel(0)/N-heterocyclic carbene complexes catalysed arylation of aromatic diamines S. Kuhl, Y. Fort, R. Schneider .....	6169
Chemical bonding in transition metal carbene complexes G. Frenking, M. Solà, S.F. Vyboishchikov .....	6178
N-heterocyclic carbene–palladium catalysts for the bisdiene cyclization-trapping reaction with sulfonamides under thermal and microwave conditions J.M. Takacs, S. Venkataraman, R.N. Andrews, L.S.W. Pelter .....	6205
A new paradigm in N-heterocyclic carbenoid ligands P.C.B. Page, B.R. Buckley, S.D.R. Christie, M. Edgar, A.M. Poulton, M.R.J. Elsegood, V. McKee .....	6210
New metal aminocarbene-substituted cyclopentadienyliron half sandwich complexes M. Schwarz, R. Wartchow, H. Butenschön .....	6217
Synthesis and structural characterization of aryloxo-functionalized N-heterocyclic carbene complexes of nickel(II) W.-F. Li, H.-M. Sun, Z.-G. Wang, M.-Z. Chen, Q. Shen, Y. Zhang .....	6227
Rhodium–NHC-complexes as potent catalysts in the hydroformylation of 1-octene M. Bortenschlager, J. Schütz, D. von Preysing, O. Nuyken, W.A. Herrmann, R. Weberskirch .....	6233
Study of the origin of enantioselectivity in cyclopropanation reactions using the chiral iron carbene complex $[(\eta^5\text{-C}_5\text{H}_5)(\text{CO})_2\text{Fe}=\text{CH}[(\eta^6\text{-}o\text{-MeOC}_6\text{H}_4)\text{Cr}(\text{CO})_3]]^+$ Q. Wang, F.H. Försterling, M.M. Hossain .....	6238
<b>Communication</b>	
Sterically controlled formation of monodentate versus chelating carbene ligands from phenylhydrazine A.I. Moncada, J.M. Tanski, L.M. Slaughter .....	6247

**Issue 26****Special Issue: The Inaugural Metallocene Catalysis Symposium**

Preface .....	6253
<b>Regular papers</b>	
The (butadiene)zirconocene route to active homogeneous olefin polymerization catalysts G. Erker, G. Kehr, R. Fröhlich .....	6254
Polymerization of MMA by oscillating zirconocene catalysts, diastereomeric zirconocene mixtures, and diastereospecific metallocene pairs Y. Ning, M.J. Cooney, E.Y.-X. Chen .....	6263
The synthesis, coordination chemistry and ethylene polymerisation activity of ferrocenediyl nitrogen-substituted ligands and their metal complexes V.C. Gibson, C.K.A. Gregson, C.M. Halliwell, N.J. Long, P.J. Oxford, A.J.P. White, D.J. Williams .....	6271
Another example of carborane based trianionic ligand: Syntheses and catalytic activities of cyclohexylamino tailed <i>ortho</i> -carboranyl zirconium and titanium dicarbollides Z. Yinghuai, S.L. Pei Sia, F. Kooli, K. Carpenter, R.A. Kemp .....	6284
Metallocene-mediated synthesis of chain-end functionalized polypropylene and application in PP/clay nanocomposites T.C. Chung .....	6292
Synthesis and application of functional polyethylene graft copolymers by atom transfer radical polymerization J.-M. Hwu, M.-J. Chang, J.-C. Lin, H.-Y. Cheng, G.-J. Jiang .....	6300
Catalytic oxidation of alcohols with polymer-supported ruthenium complex under mild conditions Q.-x. Kang, J.-j. Luo, Y.-b. Bai, Z.-w. Yang, Z.-q. Lei .....	6309
Author Index of Volume 690 .....	6314
Subject Index of Volume 690 .....	6328
Content Index of Volume 690 .....	6409