

SUBJECT INDEX

Analytical Chemistry

A model-based phenomenological investigation of char combustion kinetics through thermogravimetry.....Q. CHEN, R. HE, Z. G. LIANG, X. C. XU, C. H. CHEN	393
A Multiwall carbon nanotube-chitosan modified electrode for selective detection of dopamine in the presence of ascorbic acid.....L. Y. JIANG, C. Y. LIU, L. P. JIANG, G. H. LU	229
A new approach for removal of nitrogen oxides from synthetic gas-streams under high concentration of oxygen in biofilters.....S. B. HUANG, J. G. ZHANG, H. P. HU, Y. SITU	505
A new immunoassay method by capillary electrophoresis with enhanced chemiluminescence detection.....J. N. WANG, J. C. REN	793
A new molecularly imprinted polymer for solid-phase extraction of cotinine from human urine.....J. YANG, X. L. ZHU, J. B. CAI, Q. D. SU, Y. GAO, L. ZHANG	1503
A new property of conjugated polymer PFP: catalytic degradation of methylene blue aqueous solution.....B. T. SU, S. X. SHE, S. X. MIN, Z. Y. MA	1361
A novel biomolecular immobilization matrix based on nanoporous ZnO/chitosan composite film for amperometric hydrogen peroxide biosensor.....Y. H. YANG, M. H. YANG, J. H. JIANG, G. L. SHEN, R. Q. YU	951
A novel cholesterol oxidase biosensor based on Pt-nanoparticle/carbon nanotube modified electrode.....Q. C. SHI, T. Z. PENG	1081
A novel method for conversion of valuable BDS intermediates HPBS/Cx-HPBS from DBT/Cx-DBT.....B. YU, J. HUANG, X. F. CAI, X. Y. LIU, C. Q. MA, F. L. LI, P. XU	935
A novel method for modification of SMPU by micro-phase separation promoters....S. J. CHEN, J. C. SU, P. S. LIU	1241
An unexpected frequency response of a piezoelectric quartz crystal sensor to the density and viscosity of the liquid.....L. S. FENG, J. T. HU, Q. KANG, C. Y. GUO, D. Z. SHEN	509
Analysis of glutamic acid in cerebrospinal fluid by capillary electrophoresis with high frequency conductivity detection.....H. Y. ZHAI, J. M. WANG, X. L. YAO, X. C. TAN, P. X. CAI, Z. G. CHEN	225
Analysis of toxin β -N-oxalyl- α , β -diaminopropionic acid (β -ODAP), its isomer α -ODAP and other free amino acids in <i>Lathyrus sativus</i>Z. Y. YAN, C. J. JIAO, F. M. LI, Y. M. LIANG, Z. X. LI	627
Application of nanogold probe coupled with silver enhancement in rapid cTnI colorimetric immunoassay.....N. Y. HE, H. S. GUO, D. YANG, C. R. GU, Z. P. BIAN, W. H. WAN, J. N. ZHANG	1625
Application of phenyl bonded mesoporous silica as a novel coating layer of solid-phase microextraction for determination of benzo[a]pyrene in water samples.....X. Z. DU, Y. R. WANG, Q. MA, X. F. MAO, J. G. HOU	801
Capacity titration technique for determining the solid diffusion coefficient of intercalary species within insertion-host materials.....X. C. TANG, T. D. LI	1077
Capillary electrophoretic determination of jinggangmycin A in formulations using direct UV detection.....J. HE, X. LIU, Y. S. LIU, Z. N. YU	1511
Capillary zone electrophoresis investigation of interactions between granulocyte-colony stimulating factor and dextran sulfate/carrageenan oligosaccharide.....A. Y. LIANG, Y. G. DU, K. Y. WANG, B. C. LIN	647
Characterization of galactosyl-neoglycoalbumin ¹ by MALDI-TOF-MS.....C. CAI, Y. WU	812
Detection of ultra trace amount gossypol with chemiluminescence using capillary electrophoresis as injection techniques.....E. B. LIU, M. ZHANG, B. C. XUE, P. X. ZHAO, Y. LIU	1649

Determination of dopamine in the presence of ascorbic acid on the IrO ₂ -Ta ₂ O ₅ type DSA electrode.....	Y. LIU, Z. Y. LI, J. H. LI	64
Determination of size distribution of nano-particles by capillary zone electrophoresis.....	Y. XUE, H. Y. YANG, Y. T. YANG	67
Direct electrochemistry of catalase on single wall carbon nanotubes modified glassy carbon electrode.....	Q. ZHAO, L. H. GUAN, Z. N. GU, Q. K. ZHUANG	501
Direct electrochemistry of cytochrome C on the glassy carbon electrode modified with 1-pyrenebutyric acid/MWNTs.....	Q. ZHAO, Q. K. ZHUANG	1237
Effect of oxygen on surface properties and drug release behavior of plasma polymer of <i>n</i> -butyl methacrylate.....	Y. YUAN, C. S. LIU, Y. ZHANG, M. YIN, J. XU	1641
Electrochemical studies of the recognition interaction of rhodamine B with DNA.....	K. JIAO, Q. J. LI, W. SUN, Z. Y. WANG	382
Electrochemical studies on the interactions of dipyridophenazine complex of ruthenium and herring sperm DNA.....	L. P. JIANG, W. LIU, L. Y. JIANG, G. H. LU	805
Electrochemistry and <i>in-situ</i> spectroelectrochemistry studies of carbazole and 9-ethylcarbazole.....	Z. P. ZHANG, B. K. JIN, Y. P. TIAN, S. J. WANG	1621
Electroosmotic driving liquid using nanosilica packed column.....	L. X. CHEN, G. A. LUO, T. WEN	809
Endonuclease-based method for detecting the sequence specific DNA binding protein on double-stranded DNA microarray.....	Y. F. BAI, Q. Y. GE, T. X. LI, J. K. WANG, Q. J. LIU, Z. H. LU	651
ESI/MS of N-(<i>O</i> , <i>O</i> -diisopropyl) phosphoryl aromatic amino acids and their stability investigation using HPLC/UV/ESI/MS.....	H. X. LIU, S. S. ZHANG, J. C. ZHANG, X. YANG, L. B. QU, Y. F. ZHAO	643
Flash evaporation and headspace solid-phase microextraction for the analysis of the essential oils in traditional Chinese medicine, <i>Houttuynia cordata thunb</i>	M. M. LIANG, M. L. QI, R. N. FU	659
Fourier power spectrum analysis of exons for the period-3 behavior.....	Y. X. TIAN, C. CHEN, X. Y. ZOU, J. D. QIU, P. X. CAI, J. Y. MO	939
Glucose biosensor based on carbon / PVC-COOH / ferrocene composite with covalently immobilized enzyme.....	C. X. LI, Y. L. ZENG, C. R. TANG	1357
¹ H NMR study of polyvinylalcohol irradiated by ultra-violet.....	X. L. YAN, W. F. SUN, J. TANG, X. ZHAO	379
HPLC determination of the major non-protein amino acids and common biogenic amines in <i>Lathyrus sativus</i> using a novel extraction method.....	Z. Y. YAN, C. J. JIAO, F. M. LI, Y. M. LIANG, Z. X. LI	639
Indirect flow injection chemiluminescence method for the determination of tetracyclines using Cu(II) as a probe ion.....	S. Q. HAN, E. B. LIU, H. LI	1067
Interaction of surface-active fluorescence probes with bovine serum albumin.....	T. K. XU, X. H. SHEN, N. LI, H. C. GAO	943
Investigation of spontaneous condensation of an amino acid based amphiphile on cast film by <i>in situ</i> transmission FT-IR spectroscopy.....	H. Y. WANG, Y. M. LI, Y. XIAO, Y. F. ZHAO	1637
Investigation on a small oscillogram.....	H. F. ZHANG, J. B. ZHENG, H. G. NI, H. KAO	1249
Ionic liquid-salt aqueous two-phase system, a novel system for the extraction of abused drugs.....	S. H. LI, C. Y. HE, H. W. LIU, K. A. LI, F. LIU	1074
Mediated electrochemical measurements of intracellular catabolic activities of yeast cells.....	J. S. ZHAO, Z. Y. YANG, Y. LU, Z. Y. YANG	513
Metabolism study on tobacco-specific N-nitrosamines in rabbit by solidphase extraction and liquid chromatography-electrospray ionization-mass spectrometry method.....	J. X. ZHANG, C. C. LI, Z. CHEN, Z. H. RAO, D. W. WEN, K. A. LI, H. W. LIU	1633
Microdetermination of residual protein in penicillin by resonance light scattering technique with <i>m</i> -nitrophenylfluorone-Mo(VI) complex.....	Q. WEI, D. WU, Y. LI, J. H. WANG, Y. LIU, B. DU	815

Minor groove binding between norfloxacin and DNA duplexes in solution: a molecular dynamics study.....	1367
.....G. Z. MA, K. W. ZHENG, Y. J. JIANG, W. N. ZHAO, S. L. ZHUANG, Q. S. YU	
New sorbent for bilirubin removal from human plasma: albumin immobilized microporous membranous PTFE capillaries.....L. ZHANG, G. JIN	1495
NMR studies on the subacute biochemical effects of aristolochic acid on rat serum..	
.....X. Y. ZHANG, H. F. WU, X. J. LI, F. K. PEI, J. Z. NI	1507
³¹ P NMR and ESI-MS studies on some intermediates of the peptide coupling reagents triphenyl-chlorophosphoranes.....	385
.....G. TANG, G. J. ZHOU, F. NI, L. M. HU, Y. F. ZHAO	
Perpentylated (2, 3, 6-tri-O-pentyl)- β -cyclodextrin used as capillary gas chromatographic stationary phase prepared by sol-gel technology.....	
.....M. M. LIANG, M. L. QI, Y. LENG, R. N. FU	233
Photo- and electro-luminescence of the new ternary europium(III) complex.....	
.....C. X. DU, Z. Q. WANG, Q. XIN, Y. J. WU, W. L. LI	631
Preliminary study on cordycepin-DNA interaction by Raman spectroscopy.....	
.....J. Y. LING, Q. Z. YANG, S. S. LUO, Y. LI, C. K. ZHANG	71
Preparation and evaluation of molecularly imprinted monolithic column for felodipine in micro-liquid chromatography.....	
.....Q. L. DENG, Z. H. LUN, C. YAN, R. Y. GAO	955
Preparation and sensitivity of SnO ₂ grafted MCM-41 sensor.....	
.....G. H. GAO, S. KAWI, M. Y. HE	1071
Preparation of chitosan-coated nylon membranes and their application as affinity membranes.....W. SHI, F. B. ZHANG, G. L. ZHANG	1085
Preparation of functional magnetic nanoparticles and its application in diagnostic analysis.....Q. CHENG, T. Z. PENG, A. L. LIU	1059
Preparation of the Ag ₂ O ₂ -PbO ₂ modified electrode and its application towards <i>Escherichia coli</i> fast counting in water.....	
.....J. GU, W. ZHANG, Y. F. YANG, L. ZHENG, Z. R. WU, L. T. JIN	635
Recognition interactions of metal-complexing imprinted polymer.....	
.....Y. LIU, G. S. DING, J. D. WANG	797
Refolding with simultaneous purification of recombinant human granulocyte colony-stimulating factor from <i>Escherichia coli</i> using strong anion exchange chromatography.....C. Z. WANG, J. F. LIU, X. D. GENG	389
Resonance light scattering spectra of silver thiocyanate system and its application in analysis.....C. Y. LU, Z. H. HAN, S. Y. YANG	1063
Sequence hierarchy evolution measurement method and its application.....	
.....J. D. QIU, R. P. LIANG, J. Y. MO, X. Y. ZOU	1645
Silica-supported macroporous chitosan bead for affinity purification of trypsin inhibitor.....F. N. XI, J. M. WU, M. M. LUAN	1089
Simple fluorimetric determination of benzo[a]pyrene in cigarette smoke without preseparation procedure.....L. F. HE, D. L. LIN	1245
Simultaneous determination of dopamine and uric acid at 2-amino-5-mer-capto-[1, 3, 4]triazole self-assembled monolayers gold Electrode.....	
.....C. Y. LIU, L. Z. YANG, F. SONG, L. Y. JIANG, G. H. LU	237
Simultaneous determination of heroin, amphetamine and their basic impurities and adulterants using microemulsion electrokinetic chromatography.....	
.....T. WEN, X. ZHAO, G. A. LUO, J. WANG, Y. M. WANG, P. LI, J. ZHU, Z. S. YU	1499
Solid state NMR and fluorescence studies of conjugated polymer nanocomposites...	
.....C. J. JING, L. S. CHEN, Y. SHI, X. G. JIN	1519
Spectrophotometric and voltammetric studies on the interaction of heparin with phenosafranine.....W. SUN, Y. Q. DING, K. JIAO	1515
Spectrophotometric study on the interaction of water with chloranilic acid and its analytical application.....F. L. ZHAO, X. L. FENG, X. J. LIU, N. LI, K. A. LI	931
Study on the interaction between strychnine and bovine serum albumin by capillary electrophoretic frontal analysis.....	
.....S. P. FU, X. Z. ZHANG, F. ZHANG, Q. XU, H. B. XIAO, X. M. LIANG	1233

Substructure prediction from infrared spectra by using support vector machines.....	J. H. LIU, M. C. LU, F. S. NIE, X. Y. FENG, M. L. LI	1354
Synthesis and three-photon induced nonlinear properties of a novel organic chromophore.....	F. Q. GUO, J. YANG, Q. J. ZHANG, H. MING	1093
Temperature-dependent kinetics on laser induced photolysis of aqueous CS ₂ -HONO solutions.....	H. J. FANG, C. Z. ZHU, W. B. DONG, H. Q. HOU	1364
The determination of iodide based on a flow-injection coupling irreversible biampерometry.....	L. J. LI, H. CHENG, W. Y. HUANG, H. X. KONG, J. L. WU, J. P. LU, W. GAO, J. F. SONG	1629
The interaction between propranolol and gold nanoparticles and its analytical application.....	H. Y. DUAN, F. Chen, X. P. AI, Z. K. HE	947
The unusual spectrum of the mixture of tin-octabutoxy naphthalocyanine and SnCl ₂ in CH ₂ Cl ₂	Q. Z. HUANG, G. Z. CHENG, H. B. ZHANG, S. T. DING, X. B. YANG, X. H. ZHOU, G. Y. ZHANG	497
Thin-layer spectroelectrochemistry of 3, 3', 5, 5'-tetramethylbenzidine on Pt minigrid optically transparent electrode.....	K. JIAO, T. YANG, Z. J. WANG	655
Tryptophan modification and fluorescence spectrum of hyaluronidase.....	L. R. TENG, Y. Z. CHU, X. P. ZHANG, X. K. YU, J. WANG, S. HAN, B. X. ZHANG, H. FAN, L. Y. LIU	1492

Applied Chemistry

A hybrid ant colony optimization for the prediction of protein secondary structure...	C. CHEN, Y. X. TIAN, X. Y. ZOU, P. X. CAI, J. Y. MO	1551
A new hybrid model of amino acid substitution for protein functional classification	K. L. WANG, Z. N. WEN, F. S. NIE, M. L. LI	1133
A new kind of void soap-free P(MMA-EA-MAA) latex particles.....	K. KANG, C. Y. KAN, Y. DU, Y. Z. LI, D. S. LIU	831
A novel catalyst for liquid phase hydrogenation of <i>m</i> -dinitrobenzene to <i>m</i> -phenylenediamine.....	Y. X. LIU, Z. J. WEI, J. X. CHEN, J. Y. ZHANG, X. X. LI, X. H. WEI	531
A novel method for the preparation of octyl bonded styrene-divinylbenzene HPLC packings.....	Y. LIU, S. W. WANG, Y. M. ZUO	1379
A novel method for the synthesis of mesoporous molecular sieve MCM-41.....	X. M. TAI, H. X. WANG, X. Q. SHI	843
A novel nanocrystalline TiO ₂ thin film electrodes prepared at low temperature.....	C. Y. LI, X. P. LI, Y. T. MA, Z. P. WANG, X. W. ZHOU, Y. LIN, S. J. FENG, X. R. XIAO	967
A novel pyrazoline-based starburst amorphous molecular material.....	C. Q. MA, Y. S. YAO, X. S. WANG, B. W. ZHANG, Y. CAO	423
A novel reagentless biosensor constructed by layer-by-layer assembly of HRP and nile blue premixed with polyanion.....	S. M. YANG, Y. M. LI, X. M. JIANG, X. F. LIN	983
A ZINDO/1-CI study of substituted triphenylamines for use as charge transfer materials.....	Q. LI, X. X. ZHANG, Y. MENG, M. B. CHEN	693
Activity regulation of lignin peroxidase from <i>Phanerochaete chrysosporium</i> in nonionic reversed micellar medium.....	D. WANG, X. R. HUANG, C. X. LIU, Y. Z. LI, Y. B. QU, P. J. GAO	819
An integrated DNA modified dual-microelectrode sensor probe.....	X. Q. LIN, L. P. LU, X. H. JIANG	416
Anodic synthesis and characterization of Na-Pb-O, Na-Pb-Bi-O crystals.....	L. M. QIU, F. LIU, L. Z. ZHAO	78
Application of Mn(II) as a mimetic enzyme of horseradish peroxidase.....	A. X. HAN, L. H. NIU, R. CHANG, F. S. ZHANG	93
Asymmetric phase-transfer mediated epoxidation of α , β -enones using dendritic catalysts derived from Cinchona alkaloids.....	X. D. LIU, X. L. BAI, X. P. QIU, L. X. GAO	975
Attachment of gold nanoparticles to carbon nanotubes.....	X. C. MA, N. LUN, S. L. WEN	265

Benzylation of aromatic compounds with benzyl chloride catalyzed by nafion/ SiO ₂ nanocomposite catalyst.....	K. G. YANG, R. M. HUA, H. WANG, B. Q. XU	527
Cleavage of DNA by a new mixed-ligand Cu(II) complex.....	Q. H. ZHOU, P. YANG	81
Combination of partial oxidation and CO ₂ reforming of methane over monolithic Ni/CeO ₂ -ZrO ₂ /γ-Al ₂ O ₃ catalyst.....	X. LI, Y. TENG, M. C. GON , Y. Q. CHEN	691
Combinatorial supports for Ru-based ammonia synthesis catalysts.....	G. Y. HUANG, J. D. LIN, Z. X. XU, D. W. LIAO	273
Degradation mechanism of phenol in C/PTFE O ₂ -fed cathode by determining the product of oxygen electroreduction.....	H. WANG, X. J. YU, D. Z. SUN	1129
Degradation of microcystin-RR by combination of UV/H ₂ O ₂ technique.....	R. P. QIAO, Y. M. MA, X. H. QI, N. LI, X. C. JIN, Q. S. WANG, Y. Y. ZHUANG	1271
Determination of proton diffusion coefficient in spherical nickel hydroxide using potential step measurement on single beads.....	L. XIAO, J. T. LU, P. F. LIU, L. ZHUANG, J. W. YAN, R. G. HU, B. W. MAO, C. J. LIN	419
Dynamic study of gemini surfactant and single-chain surfactant at air/water interface.....	Y. J. CHEN, G. Y. XU, S. L. YUAN, H. Y. SUN	688
Energy storage properties of phase change materials prepared from PEG / CPP.....	Y. N. ZANG, E. Y. DING	1375
Enhancement of activity of SnO ₂ -doped In ₂ O ₃ /Al ₂ O ₃ catalyst for NO reduction with propene in the presence of H ₂ O and SO ₂	X. Y. CUI, J. H. LI, J. M. HAO, L. X. FU	1535
Evaluation of average wall thickness of organically modified mesoporous silica.....	Y. J. GONG, Z. H. LI, B. Z. DONG	139
Flow field induced steady alignment of oxidized multi-walled carbon nanotubes.....	A. Z. XU, M. S. YANG, Q. WU, X. M. HU, L. JIANG	849
Fluorescence switch based on a porphyrin-perylene dyad.....	X. G. YANG, J. Z. SUN, H. Y. LI, J. CAO, M. WANG	257
Formation and aggregation kinetics of mixed metal hydroxides agglomerates.....	Z. L. JIN, W. G. HOU, X. W. LI, D. J. SUN, C. G. ZHANG	835
1-Imino nitroxide pyrene, a burst-type H ⁺ fluorescent switch.....	J. LI, H. M. WANG, H. M. MA, D. Q. ZHANG, S. X. XIONG	1125
<i>In situ</i> FTIR investigation of magnetic field effect on heterogeneous photocatalytic degradation of benzene over Pt/TiO ₂	W. ZHANG, X. X. WANG, X. Z. FU	1275
Instant effects of radiofrequency electromagnetic wave on hemoglobin in single living intact red blood cell.....	C. C. YAO, X. K. LI, Y. X. HUANG	1121
Interfacial behaviors of azocalixarene derivatives at the air / water interface and photochromism in the Langmuir-Blodgett films.....	X. GUO, L. ZHANG, G. Y. LU, M. F. YIN, F. LIU, M. H. LIU	1543
Irradiation initiated grafting of poly(butyl acrylate) onto nano-sized calcium carbonate particles.....	C. G. MA, M. Z. RONG, M. Q. ZHANG	409
Kinetic of adsorption of urea nitrogen onto chitosan coated dialdehyde cellulose under catalysis of immobilized urease.....	Z. P. LIANG, Y. Q. FENG, Z. Y. LIANG, S. X. MENG	697
Low-temperature growth of single-crystal SrCO ₃ nanoneedles.....	G. S. GUO, F. B. GU, Z. H. WANG, H. Y. GUO	1101
Mechanical properties of silicone rubber using carbosilane dendrimers as the cross-linker.....	S. G. ZHAO, C. J. ZHOU, J. M. ZHANG, S. Y. FENG	1383
Mesoporous silicoaluminum pillared clays with high thermal stability and Brønsted /Lewis acidity by one-pot synthesis.....	C. H. ZHOU, X. N. LI, D. S. TONG, Y. F. ZHU, Z. H. GE	261
Methanol tolerant PWA-Pt/C catalyst with excellent electrocatalytic activity for oxygen reduction in direct methanol fuel cell.....	Y. Z. LU, T. H. LU, C. P. LIU, Y. W. TANG, W. XING	1252
Modulation of tartrates with various counterions on the phases of calcium oxalate in gelatinous systems.....	J. M. OUYANG, X. P. LI	131

New thiophene derivatives with two-photon excited fluorescence.....	W. WANG, G. M. XIA, G. B. XU, Z. Q. LIU, Q. FANG	85
Novel oxygen storage components promoted palladium catalysts for emission control in natural gas powered engines.....	B. ZHAO, M. C. GONG, X. S. FENG, Y. Y. LUO, Y. Q. CHEN	97
One-dimensional copper(II) complex constructed with nitrate counter-anion as bitopic connector.....	C. H. GE, X. D. ZHANG, W. GUAN, Q. T. LIU	1255
Oscillating frequency response of a langasite crystal microbalance in liquid phase.....	Q. KANG, H. J. ZHANG, X. Y. LIU, D. Z. SHEN	1547
Oxidation of alcohols catalyzed by ruthenium complexes with iodosylbenzene as oxidant.....	Z. Q. LEI, Q. X. KANG, X. Z. BAI, Z. W. YANG, Q. H. ZHANG	846
Photocatalytic dye methyl orange decomposition on ternary sulfide (CdIn ₂ S ₄) under visible-light.....	X. D. YU, X. S. QU, Y. H. GUO, C. W. HU	1259
Photocatalytic synthesis of oxygenates from gaseous CO ₂ and CH ₄ over semiconductor.....	D. X. SHI, Y. Q. FENG, S. H. ZHONG	685
Photochromism of 36-armed liquid crystalline dendrimer.....	J. Q. LIU, Q. Z. ZHANG, J. Z. ZHANG, W. G. HOU	1371
Photorechargeable properties of metal hydride-SrTiO ₃ electrode.....	W. K. ZHANG, X. L. TONG, H. HUANG, Y. P. GAN, N. HUANG	979
Photostability study of nanoporous TiO ₂ film electrodes in basic solutions.....	J. L. CAO, W. H. LENG, J. Q. ZHANG, C. N. CAO	827
Plasma-catalytic selective reduction of NO with C ₂ H ₄ in the presence of excess oxygen.....	Q. SUN, A. M. ZHU, X. F. YANG, J. H. NIU, Y. XU, Z. M. SONG, J. LIU	839
Platelet adhesion onto nitinol surfaces modified by microwave cold-plasma.....	J. YANG, J. H. WANG, S. Y. TONG	75
Platinum nanoparticles supported on graphite nanofibers prepared by microwave irradiation and its electrocatalytic activity.....	J. ZHAO, W. X. CHEN, G. HAN, Y. F. ZHENG, Z. D. XU	269
Preparation and blood compatibility of oxidized-chitosan films.....	Y. D. YANG, J. G. YU, Y. G. ZHOU, P. G. LI	991
Preparation and characterization of three-dimensionally ordered crystalline macroporous CeO ₂	X. Y. ZHANG, T. W. WANG, W. Q. JIANG, D. WU, L. LIU, A. H. DUAN	1109
Preparation and properties of urease immobilized onto glutaraldehyde cross-linked chitosan beads.....	Z. P. LIANG, Y. Q. FENG, S. X. MENG, Z. Y. LIANG	135
Preparation of multiwall carbon nanotubes-supported high loading platinum for vehicular PEMFC application.....	B. ZHANG, L. J. CHEN, K. Y. GE, Y. C. GUO, B. X. PENG	1531
Preparation of nano-crystalline tungsten carbide thin film by magnetron sputtering and their electrocatalytic property for PNP reduction.....	H. J. ZHENG, J. G. HUANG, C. A. MA	1539
Pulse plating of Zn-Co alloy coatings.....	J. Y. FEI, G. Z. LIANG, W. L. XIN, J. H. LIU	1097
Removal of safranine from aqueous solution by using adsorptive bubble separation techniques.....	C. S. LU, C. C. CHEN, Y. P. SU, K. T. CHEN	701
Role of the confined geometry on the crystallization of poly(ethylene terephthalate) ultrathin films.....	Y. ZHANG, Y. L. LU, D. Y. SHEN	987
Sonocatalytic damage of bovine serum albumin (BSA) in the presence of nanometer titanium dioxide (TiO ₂) catalyst.....	J. WANG, J. WU, Z. H. ZHANG, X. D. ZHANG, L. WANG, L. XU, B. D. GUO, H. LI, J. TONG	1105
Studies of a series of novel rhodium(I) bipyridyl dyes for solar cells.....	S. G. SUN, X. J. PENG, Y. Q. XU, L. SHI, Y. L. GAO, L. C. SUN	677
Studies on the phase properties of Winsor I-III type microemulsions with dielectric relaxation spectroscopy.....	J. L. CHAI, Y. H. GAO, K. S. ZHAO, G. Z. LI, G. Y. ZHANG	1263
Studies on the physical properties of alkanes using edge-adjacency information topological index.....	C. H. NI, X. Y. ZENG, H. HUANG	709

Study on the formation of urea or salt induced vesicles in built-system surfactant.....C. G. HU, H. XIE, G. Z. LI, Y. AN, Z. N. WANG, X. Y. ZHANG, J. P. TIAN	681
Study on the surface property of surfactant ionic liquids solutions.....Y. A. GAO, Z. N. WANG, J. ZHANG, W. G. HOU, G. Z. LI, B. X. HAN, F. F. LÜ, G. Y. ZHANG	963
Synthesis and characterization of a novel cholesteric liquid crystalline containing carboxyl group.....J. MA, Y. N. XUAN, Y. HUANG	127
Synthesis and characterization of benzimidazolium salts as novel ionic liquids and their catalytic behavior in the reaction of alkylation.....W. G. HUANG, B. CHEN, Y. Y. WANG, L. Y. DAI, Y. K. SHAN	959
Synthesis and characterization of two novel high valent dinuclear complexes with a triphenolate ligand bearing functional groups.....F. SHI, H. Y. LI, X. J. PENG, R. ZHANG, X. Q. CHEN, J. L. FAN, J. N. CUI, L. C. SUN	89
Synthesis and fluorescence of <i>alt</i> -copoly[1, 4-divinylenebenzene/1, 4-bis(dimethylsilylene)benzene].....X. DUAN, G. P. CAI, W. P. WEBER, P. LU	405
Synthesis and separating performance of SAPO-44 zeolite membrane.....Z. LIU, Z. L. CHENG	413
Synthesis of dimethyl carbonate from methanol and carbon dioxide catalyzed by potassium hydroxide under mild conditions.....H. WANG, B. LU, Q. H. CAI, F. WU, Y. K. SHAN	1267
The aqueous dispersions of bicontinuous cubic phases formed by precursor methodJ. ZHANG, D. H. LI, L. Q. ZHENG	823
Theoretical study on the bicyclo[4.1.0]heptatriene rearrangement in a molecular container.....Z. Y. YANG, X. L. WANG, J. WANG, J. C. ZHANG, W. L. CAO	1417
Theoretical study on the isomerization mechanism of enol ester from 2-acyl-1, 3-cyclohexanedi ones.....Y. H. WANG, J. W. ZOU, B. ZHANG, M. ZENG, G. X. HU, K. W. ZHENG, Q. S. YU	705
Thermal behavior of poly(trimethylene-co-ethylene terephthalate).....Y. XU, S. R. YE, J. W. QIAN	971
Third generation horseradish peroxidase biosensor based on self-assembling carbon nanotubes to gold electrode surface.....J. J. XU, G. WANG, Q. ZHANG, X. H. XIA, H. Y. CHEN	523
Use of ionic liquid-filled semipermeable membrane for extraction of polycyclic aromatic hydrocarbons in water.....W. Y. ZHAO, M. HAN, S. G. DAI, X. ZHONG	520

Inorganic Chemistry

A novel octanuclear molecular loop formed by linkage of oxo-centered triruthenium cluster units.....J. L. CHEN, L. Y. ZHANG, Z. N. CHEN	372
Assembling synthesis of ZnSe orthohexagonal slices through emulsion liquid membrane system of gas-liquid transport.....L. LIU, Q. S. WU, Y. P. DING, H. J. LIU	375
Construction of J-and H-aggregates of <i>meso</i> -tetrakis (4-hydroxyphenyl) porphyrin diacid (H_4THPP^{2+}).....Y. H. ZHANG, Y. WU	279
Effects of carrier on CuO/TiO ₂ and CuO/Ti _{0.5} Zr _{0.5} O ₂ catalysts in the NO+CO reaction.....G. H. DING, X. Y. JIANG, X. M. ZHENG	275
Efficient DNA cleavage by copper(II) complex derived from 1, 1'-dimethyl-2, 2'-biimidazole ligand.....R. L. SANG, P. YANG	1397
<i>In-situ</i> synthesis of binderless ZSM-5 zeolitic coatings on aluminum.....L. D. LI, J. X. CHEN, S. J. ZHANG, N. J. GUAN	253
Polyol process to large-scale synthesis of Cu ₂ O disk-like structure.....Y. T. CHEN, W. ZHANG, B. Z. ZHOU, X. Q. XU, Y. Q. FAN, Y. J. GUO, Z. X. ZHANG	245
Preparation and application of a nanocomposite (MPNS/SMA) in leather making.....H. PAN, Z. J. ZHANG, H. X. DANG	1409
Preparation of Single Crystalline V ₆ O ₁₃ Nanobelts.....X. Y. XU, X. G. LI	249
Sequence-specific hydrolysis of single-stranded DNA by PNA-cerium (IV) adduct.....H. B. SHEN, F. WANG, Y. T. YANG	1663
Spacial structure of cationic phosphorus ligand-Ru (II) halide complexes—by DFT study.....Y. X. ZHAO, S. G. WANG	1555

Study on the precursor phase composition of fused iron catalyst for Fischer-Tropsch synthesis.....	J. L. SHEN, H. Z. LIU, X. N. LI, W. F. HAN, Y. F. ZHENG	1393
Synthesis and absorption properties of new Na specific adsorbent $\text{Li}_{1+x}\text{Al}_x\text{Ti}_{2-x}(\text{PO}_4)_3$	J. Z. SUN, X. C. DENG, S. B. WEI, F. Q. LI, P. H. MA	1401
Synthesis and characterization of $\text{La}(\text{OH})_3$ nanorods by hydrothermal micro-emulsion method.....	Y. D. YIN, G. Y. HONG	1659
Synthesis and crystal structure of a novel 1D chain-like organic inorganic hybrid rare earth derivative of polyoxometalate: $\text{H}_{0.5}[\text{Sm}(\text{H}_2\text{O})_6]_{0.25}[\text{Sm}(\text{H}_2\text{O})_5]_{0.25}\{\text{[Sm}(\text{H}_2\text{O})_7]\text{[Sm}(\text{H}_2\text{O})_2(\text{DMSO})\text{][SiW}_{11}\text{O}_{39}\}\cdot4.5\text{H}_2\text{O}$	J. W. ZHAO, J. P. WANG, J. Y. NIU	1655
Synthesis and crystal structure of a novel copper (II) complex with acetylene-dicarboxylate and 2, 2'-bipyridine.....	M. X. LI, M. SHAO, H. DAI, B. L. AN, W. C. LU, Y. ZHU, C. X. DU	1405
Synthesis and magnetic properties of Fe(II) and Nd(III) complexes of poly-(N-2-thiazolylacrylamide).....	P. ZHENG, W. L. SUN, Z. Q. SHEN	1413
Synthesis and photoluminescence of a novel iridium complex $(\text{BuPhOXD})_2\text{Ir}(\text{acac})$ with unit of 1, 3, 4-oxadiazole.....		
.....Z. L. WU, M. X. ZHU, Y. LIU, J. LIU, J. R. LI, Y. P. YANG, Q. GAN, W. G. ZHU		241
Synthesis of a new cobalt (II) complex and its interaction with DNA.....	K. JIAO, Q. X. WANG, W. SUN, F. F. JIAN	517
The study on the stability constant and species distribution of Eu (III) and Tb (III) complexes with BDBPH.....	G. Q. SHANGGUAN, J. ZHU, N. WANG, J. Z. NI	1671
Transformation of structure and properties of vesicles induced by transition metal ions.....	H. T. GUO, F. XU, X. H. ZHOU, J. F. DONG, G. Y. ZHANG, X. L. HONG	1667

Organic Chemistry

A convenient method for synthesis of novel cyclic ethers (1R, 2R, 3R, 5S, 7S, 9R, 12R)-3-(<i>t</i> -butyldimethylsilyl)oxy-7-methoxymethoxy-2,10-dimethyl-12-oxatri-cyclo [7.2.1.0 ^{5,12}] dodecane.....	J. YAN, M. ZHU	453
A convenient method for the asymmetric synthesis of KAD-1229.....	J. C. LIU, Y. S. YANG, R. Y. JI	430
A facile one-pot method for the synthesis of vinyl ethers from 2-hydroxyalkyl phenyl selenides.....	S. R. SHENG, H. R. LUO, W. K. SUN, X. HUANG	1421
A facile synthesis of 2, 7-diaminothieno[2, 3-d:5,4-d]dipyrimidine-4, 5(3H, 6H)-diones.....	S. Z. XU, M. H. CAO, M. W. DING, H. W. HE	1177
A facile synthetic method for (3Z, 6Z, 9S, 10R)-9, 10-epoxy-3, 6-heneicosadiene, sex pheromone component of <i>Hyphantria cunea</i> (<i>Drug</i>).....	C. CHE, Z. N. ZHANG	468
A ferrocenylsulfide-mediated sulfur ylide epoxidation reaction.....	L. WANG, Z. Z. HUANG	853
A green and efficient synthesis of xanthenedione derivatives promoted by $\text{InCl}_3\cdot4\text{H}_2\text{O}$ in ionic liquid.....	X. Y. HU, X. S. FAN, X. Y. ZHANG, J. J. WANG	293
A green synthesis of 2-ethylanthraquinone by dehydration of 2-(4'-ethylbenzoyl) benzoic acid over solid acid catalysts.....	R. S. XU, X. W. GUO, G. R. WANG, Z. X. ZHANG	1587
A new alkaloid from <i>Sinomenium acutum</i>	W. M. CHENG, F. QIU, L. J. WU, X. S. YAO	1481
A new and efficient synthesis of 2H-3, 1-benzoxazine compounds.....	J. R. LI, S. L. MA	1424
A new and efficient synthetic method and antibacterial activities of oxazolidinone analogues.....	D. S. YU, L. HUANG, H. LIANG, P. GONG	875
A new approach for asymmetric synthesis of (-)-umbelactone.....	H. W. LIU, Y. L. LI	716
A new approach to ethyl 1-aryl/arylmethyl-5-methyl-3-methylthiopyrazole-4-carboxylates: high regioselectivity in alkylation and acylation reactions between N-1 and N-2 of a pyrazole derivative.....	L. R. WEN, G. L. ZHAO, M. LI, W. Y. QI, X. L. ZHANG, H. Z. YANG	1161

A new asterosaponin from the starfish <i>Culcita novaeguineae</i>	619
.....H. F. TANG, Y. H. YI, L. LI, P. SUN, D. Z. ZHOU, B. S. LIU	
A new bisxanthone from <i>Hypericum japonicum</i> thunb. ex murray.....	771
.....P. FU, W. D. ZHANG, T. Z. LI, R. H. LIU, H. L. LI, W. ZHANG, H. S. CHEN	
A new compound from the bud of <i>Chrysanthemum indicum</i> L.....	1341
.....W. M. CHENG, T. P. YOU, J. LI	
A new compound isolated from a bioactive streptomycte.....	613
.....Y. Q. LI, X. S. HUANG, M. G. LI, I. SATTLER, M. L. WEN, S. GRABLEY	
A new coumestan from <i>Arachis hypogaea</i> L.....	918
.....H. W. FU, H. L. ZHANG, Y. H. PEI	
A new cyclic bisdesmoside from tubers of <i>Bolbostemma paniculatum</i>	479
.....H. F. TANG, Y. H. YI, S. Y. ZHANG, P. SUN, L. LI, D. Z. ZHOU	
A new cycloartane triterpene glycoside from <i>Souliea vaginalis</i>	1047
.....L. ZHOU, J. S. YANG, G. Z. TU	
A new cytotoxic compound from <i>Penicillium auratiogriseum</i> , symbiotic or epiphytic fungus of sponge <i>Mycale plumose</i>	1227
.....Z. H. XIN, W. M. ZHU, Q. Q. GU, Y. C. FANG, L. DUAN, C. B. CUI	
A new Diels-Alder type adduct and a new flavone from the stem and root bark of <i>Morus mongolica</i>	1474
.....J. KANG, R. Y. CHEN, D. Q. YU	
A new diterpene acid from the flowers of <i>Heteropappus altaicus</i>	921
.....Q. H. LIU, J. S. YANG, Y. LU, Q. T. ZHENG, L. MAO	
A new diterpene from <i>Suregada glomerulata</i> (Blume) baill.....	786
.....S. L. HE, R. Y. CHEN	
A new flavan from <i>Sinacalia tangutica</i>	1056
.....M. J. MAO, J. L. QIAN, B. JIANG	
A new glucuronidated metabolite of andrographolide in human.....	369
.....L. CUI, F. QIU, N. L. WANG, X. S. YAO	
A new halogenated biindole and a new apo-carotenone from green alga <i>Chaetomorpha basiretorsa</i> setchell.....	777
.....D. Y. SHI, L. J. HAN, J. SUN, S. LI, S. J. WANG, Y. C. YANG, X. FAN, J. G. SHI	
A new isomalabaricane triterpenoid from sponge <i>Jaspis sp.</i>	353
.....S. A. TANG, Z. W. DENG, J. LI, H. Z. FU, Y. H. PEI, S. ZHANG, W. H. LIN	
A new neolignan glycoside from <i>Pedicularis armata</i>	781
.....C. S. YUAN, Z. X. ZHANG, X. GAO, Z. J. JIA	
A new nitro alkaloid from <i>Corydalis saxicola</i> bunting.....	367
.....H. L. LI, W. D. ZHANG, W. ZHANG, C. ZHANG, R. H. LIU	
A new process for synthesis of dimethyl carbonate from ethylene carbonate and methanol without any catalyst under supercritical conditions.....	767
.....X. J. FENG, X. G. LI, R. HE, H. ZHOU	
A new saponin transformed from ginsenoside Rh ₁ by <i>Bacillus subtilis</i>	359
.....G. H. LI, Y. M. SHEN, K. Q. ZHANG	
A new sesquiterpene from the roots of <i>Biondia hemsleyana</i>	915
.....X. G. TAN, P. CAO, S. L. PENG, L. S. DING	
A new sesquiterpene from transformation of curdione by cell suspension culture of <i>Platycodon Grandiflorum</i>	1487
.....X. C. MA, L. J. WU, D. A. GUO	
A new synthesis of 4, 4-diaryl/diheteroaryl-3-butenyl derivatives of nipecotic acids as GABA transporter inhibitors.....	1205
.....J. G. ZHANG, C. S. JIANG, G. Q. LIN, R. WEN	
A new β-carboline alkaloid and a new derivate of isoferulic acid from <i>Anemone altaica</i>	1484
.....Z. J. ZOU, Y. S. DONG, J. S. YANG	
A novel asymmetric synthesis of (-)- <i>cis</i> -1, 3-dibenzylhexahydrofuro [3, 4-d] imidazole-2, 4-dione.....	15
.....W. H. HAN, H. R. LI	
A novel diamine, 4'-phenylphenyl 4-(3'', 5''-diaminobenzoyloxy)benzoate and longer side-chain polyimide.....	1151
.....J. YANG, L. G. REN, X. Y. LIU, Y. GU	
A novel dimeric eremophilane from <i>Ligularia virgaurea</i> spp. <i>Oligocephala</i>	1477
.....Q. X. WU, X. LIU, Y. P. SHI	
A novel efficient method for synthesis of β-organoseleno substituted allyl sulfoxides.....	1333
.....Z. M. WU, R. W. SHEN, L. L. WU, X. HUANG	
A novel fortunate A from <i>Cryptomerica fortunei</i>	783
.....Z. P. ZHENG, L. H. HU, J. Y. LIANG	

A novel hydroperoxyl substituted cembranolide diterpene from marine soft coral <i>Lobophytum crassum</i>S. W. YIN, Y. P. SHI, X. M. LI, B. G. WANG	1489
A novel ionic liquid/water biphasic system for the preparation of oximes.....H. M. LUO, Y. Q. LI, W. J. ZHENG	906
A novel photoproduct of 1, 3-dimethyluracil in phosphate buffered-saline.....F. LIN, S. Y. BAI	1158
A novel protein found in selenium-rich silkworm pupas.....D. C. HU, Q. LIU, H. B. XU, H. R. CUI, S. W. YU, X. D. YANG, K. WANG	1347
A novel sesquiterpene isolated from <i>Stereum</i> sp. 8954.....G. H. LI, K. Q. ZHANG	1615
A novel synthesis of 3- <i>O</i> -allyl-4, 5, 6-tri- <i>O</i> -benzyl-1- <i>O</i> -(<i>p</i> -methoxybenzyl)-D- <i>myo</i> -inositol.....Z. Z. YUE, Y. C. LI	171
A novel triterpenic acid from <i>Gymnema sylvestre</i>S. L. PENG, X. M. ZHU, M. K. WANG, L. S. DING	223
A novel triterpenoid from <i>Petasites tricholobus</i>W. D. XIE, P. L. LI, Z. J. JIA	616
A rapid and efficient synthesis of 2, 4, 6-triarylpyridines under microwave irradiation.....X. Q. HUANG, H. X. LI, J. X. WANG, X. F. JIA	607
A selective synthesis of 2-alkylamino-5, 6, 7, 8-tetrahydro-benzothieno[2, 3-d]pyrimidin-4(3H)-ones.....M. W. DING, R. J. XU, J. XU, Y. F. CHEN	189
A simple and selective procedure for α -bromination of alkanones with [Bmim]Br ₃ as a promoter under solvent-free conditions.....S. J. ZHANG, Z. G. LE	1590
A taxatetraene from microbial transformation of sinenxan A.....J. G. DAI, L. YANG, J. I. SAKAI, M. ANDO	736
Actinolactomycin, a new 2-oxanonoidal antitumor antibiotic produced by <i>Streptomyces flavoretus</i> 18522, and its inhibitory effect on the proliferation of human cancer cells.....B. HAN, C. B. CUI, B. CAI, X. F. JI, X. S. YAO	471
Aerobic enantioselective epoxidation of styrene analogues induced by (β -diketone)-iron(III) complex.....Q. F. CHENG, X. Y. XU, W. X. MA, S. J. YANG, T. P. YOU	1467
An efficient and green synthesis of 5-oxo-5,6,7,8-tetrahydro-4H-benzo-[b]-pyran derivatives promoted by InCl ₃ ·4H ₂ O under microwave irradiation.....X. Y. HU, X. S. FAN, X. Y. ZHANG, G. R. QU, Y. Z. LI	886
An efficient cationic cyclization approach for the construction of labdane diterpenoid decalin ring skeleton.....J. H. YANG, W. D. Z. LI	433
An efficient deselenenylation reaction to the synthesis of 3, 5-disubstituted isoxazoline and isoxazole.....W. M. XU, Y. G. WANG, Z. H. CHEN, X. HUANG	995
An efficient route to prepare metal organosols by phase transfer procedure.....J. K. ZHAO, X. CHEN, C. J. YANG, Z. M. SUI, Y. C. CHAI, G. D. ZHANG, J. LIU	557
An efficient synthesis of cyclopeptides bridged with aliphatic-aryl ether bond.....Z. LIU, G. J. TIAN, D. X. WANG	759
An efficient way for glycosylation of spirostanol.....S. J. HOU, C. C. ZOU, P. S. LEI, D. Q. YU	593
Approach to N-alkoxy-2-oxoindole for mimicing SERMs structure.....J. C. CHU, D. Z. LIU, H. S. GUO, K. ZHAO	1593
Asymmetric Baylis-Hillman reaction between chiral activated alkenes and aromatic aldehydes in Me ₃ N/H ₂ O/solvent medium.....K. HE, Z. H. ZHOU, H. Y. TANG, G. F. ZHAO, C. C. TANG	1427
Asymmetric intramolecular cyclopropanation induced by (β -diketone)-copper complex.....Q. F. CHENG, X. Y. XU, W. X. MA, T. P. YOU	331
Asymmetric synthesis of (-)-(4R, 5R)-4-[5-(benzo[1,3]dioxol-5-yl)4-hydroxyl-1-(pyridin-2-yl)-4, 5-dihydro-1H-pyrazol-3-yl]benzamide.....X. Z. LI, X. P. DAI, J. H. XIAO, S. LI	1137
Asymmetric synthesis of (S)-dimethyl-4,4'-dimethoxy-5,6,5',6'-dimethenedioxy-biphenyl-2, 2'-dicarboxylate.....S. X. CHENG, L. M. WANG, J. B. CHANG, L. B. QU, R. F. CHEN, J. X. XIE	167
Asymmetric synthesis of anisodine.....Y. F. WU, W. LÜ, Q. LU, W. S. ZHANG	1287
Asymmetric synthesis of N-(diphenylphosphinyl)furfurylamine by the enantio-selective alkylation of furfurylimine.....H. L. ZHANG, X. M. ZHANG, X. LI, A. Q. MI, X. CUI, Y. Z. JIANG	1147

Asymmetric synthesis of α -substituted- γ -butyrolactone employing prolinol type of auxiliaries.....	J. C. NING, S. MAO, Y. D. GUAN	17
Asymmetric total synthesis of mansonone P and R.....		
.....X. J. PENG, X. G. SHE, Z. K. WANG, W. G. QUAN, X. F. PAN		186
Benzoin condensation in imidazolium based room-temperature ionic liquids.....	F. S. JIANG, H. YU, G. GAO, R. G. XIE	321
[Bmim]Br ₃ as a new reagent for regioselective mono-bromination of activated aromatics under solvent-free conditions.....Z. G. LE, Z. C. CHEN, Y. HU, Q. G. ZHENG		1007
Chemical modification of tryptophan residues in pullulanase.....	L. R. TENG, H. FAN, Y. Y. ZHANG, Q. YU, Y. F. HUANG, L. Y. LIU	1335
Chlorine-radical induced oxidation of glyoxal and glyoxal-S(IV) adducts in the aqueous phase.....Y. LI, Y. TANG, J. Q. WANG		119
Chlorophytoside A, a new labdane diterpene glycoside from <i>Chlorophytum laxum</i> ..	Y. H. GAO, Q. X. MEI, H. F. WU, Y. M. DIAO, X. S. PENG, R. F. ZHANG	925
Convenient and highly efficient inversion of 1 β -OH configuration of <i>trans</i> -vitamin D ₃Y. B. HAN, J. P. CHEN, Y. Y. LI, B. N. LIU, G. Q. YANG, Y. LI		1437
Cu(I)/diamine-catalyzed aryl-alkyne coupling reactions.....	Y. F. WANG, W. DENG, L. LIU, Q. X. GUO	1197
Design and synthesis of a highly stable six-hydrogen-bonded selfassembly yellowish green electroluminescent molecular duplex.....	G. D. LEI, Y. YI, Z. Y. LU, M. G. XIE	1185
Design and synthesis of novel 5-sulfoxide-substituted pyrazolo[5,1- <i>d</i>][1,2,3,5]tetrazin-4(3H)ones.....Y. C. WU, X. M. ZOU, F. Z. HU, H. Z. YANG		1143
Design and synthesis of novel aryloxyalkyl-arylpiperazine derivatives as α_{1A} -adrenoceptor antagonists.....H. FANG, M. Y. LI, L. XIA, Z. Z. JIANG, Z. Z. LU		445
Design and synthesis of novel fluorine-containing acrylates.....	Y. C. WU, C. WU, X. M. ZOU, F. Z. HU, H. Z. YANG	1293
Design and synthesis of pyrido[1,2-e]purin-4(3H)-one derivatives as potential PDE 5 inhibitors.....	G. X. XIA,	
J. F. LI, S. A. LAI, A. M. PENG, S. J. ZHANG, X. H. WEI, X. J. CHEN, J. S. SHEN, R. Y. JI		1283
Design, synthesis and investigation of bone affinity of the conjugates of 5-fluorouracil and hydroxybisphosphonate.....L. H. XU, H. ZHENG, L. L. WENG		1434
Drug discovery based on the structure of FKBP: design, synthesis and evaluation of L-1, 4-thiazane-3-carboxylic acid derivatives as neuroimmunophilin ligands.....	A. H. NIE, J. H. XIAO, H. Y. LIU, L. L. WANG, S. LI	163
EDTA-type polymer based on diazacrown ether as the solubilizer of barium sulfate to water.....B. ZHOU, J. Z. LI, C. H. HE, S. Y. QIN		27
Effect of alkali treatment on the structure and catalytic properties of ZSM-5 zeolite.....Z. Y. LI, X. SUN, Q. XIAO, S. H. XIANG		115
Effect of supercritical fluids on the biological activity of <i>Absidia coerulea</i> for the hydroxylation of Reichsterin's substance acetate.....	X. F. LIU, H. M. ZHU, T. W. ZHANG, B. Q. ZHANG	107
Efficient amide based halogenide anion receptors.....		
.....H. X. WU, F. H. LI, H. LIN, S. R. ZHU, H. K. LIN		733
Efficient Nd promoted Rh catalysts for vapor phase methanol carbonylation.....	S. F. ZHANG, Q. L. QIAN, P. L. PAN, Y. CHEN, G. Q. YUAN	100
Enantioseparation of racemic anti-hepatitis new drug bicyclol with crystallization.....	W. HU, Y. LI, C. Z. ZHANG	1471
Exploration of chiral aminophenols and aminonaphthols with C ₂ -symmetry.....	Y. SUN, Z. M. LI, X. M. SHEN, F. N. MA, C. ZHANG	879
Facile and rapid solid phase synthesis of monodisperse oligo(1, 4-phenyleneethynylene)s.....G. R. LI, X. H. WANG, J. LI, X. J. ZHAO, F. S. WANG		719
Facile synthesis of ophiopogonin C' and its three analogues.....	S. J. HOU, C. C. ZOU, L. ZHOU, P. S. LEI, D. Q. YU	1463
FeCl ₃ \cdot 6H ₂ O catalyzed reaction of aromatic aldehydes with 5, 5-dimethyl-1,3-cyclohexandione in ionic liquids.....	X. S. FAN, Y. Z. LI, X. Y. ZHANG, X. Y. HU, J. J. WANG	897

First total synthesis of (\pm)-13-hydroxy-8 (14)-abietene.....	C. L. ZHANG, Y. G. MA, C. L. SUN, Y. H. QIU	727
Formation, structure and <i>in vitro</i> antitumour activity of a novel binuclear organotin complex.....	L. J. TIAN, Y. X. SUN, G. M. YANG, B. C. QIAN, Z. C. SHANG	1584
Friedel-Crafts acylation of ferrocene catalyzed by solid superacid, silica-supported polytrifluoromethanesulfosiloxane.....	R. J. HU, B. G. LI, M. XU	183
Grafting of hexafluoropropylene onto polytetramethylene glycol by radical reaction.....	Z. GE, X. Y. ZHANG, J. B. DAI, X. L. TAO	1600
Heck arylation of acrylonitrile with aryl Iodides catalyzed by a silica-bound arsine palladium(0) complex.....	M. Z. CAI, H. ZHAO, R. L. ZHANG	449
High charge mobility of a perylene bisimide dye with hydrogen-bond formation group.....	J. Z. SUN	1201
Highly effective propylene epoxidation over TS-1/SiO ₂ hydrothermally treated.....	W. G. CHENG, X. S. WANG, G. LI, X. W. GUO, Q. S. LIN	103
Highly oxygenated monoterpenes from <i>Eupatorium fortunei</i>	H. X. JIANG, K. GAO	1217
Hydrogenation of SBS catalyzed by immobilized Ru-TPPTS complex in polyether molten salt.....	L. WEI, J. Y. JIANG, Y. H. WANG, Z. L. JIN	338
Improved one-pot synthesis of 4,6-dihydroxyisophthalic acid and 2,3-dihydroxyterephthalic acid.....	G. D. LEI, L. X. LI, Z. Y. LU, M. G. XIE	1039
β -Lactam templated macrocyclization: synthesis of 12-membered macrolide.....	G. J. LIANG, J. Z. ZHANG, A. Q. CHEN	601
Lipase-catalyzed regioselective synthesis of vinyl ester derivatives of thiamphenicol: novel thiamphenicol monomers for preparation of macromolecular antibiotic.....	Y. Z. SHI, Z. C. CHEN, N. WANG, Q. WU, X. F. LIN	45
Microwave-assisted allylic oxidation at C-13 position of 14-deoxysinenan A.....	J. GU, M. ZHANG, D. L. YIN, J. Y. GUO, X. T. LIANG	427
Microwave-promoted rapid and efficient synthesis of diacyl thiosemicarbazides and semicarbazides in solvent and catalyst free condition.....	X. C. WANG, Z. J. QUAN, M. G. WANG, Z. LI	1027
Nanjiols D and E, two new uncommon steroids from the Chinese soft coral <i>Nephthea bayeri</i>	X. H. YAN, Y. W. GUO	356
New asymmetric synthesis of alkannin and shikonin.....	J. G. ZHANG, Q. LU, W. H. DUAN, J. C. CAI	465
New diarylheptanoid from the barks of <i>Alnus japonica</i> Steudel.....	H. J. KIM, K. H. KIM, S. H. YEOM, M. K. KIM, J. G. SHIM, H. W. LIM, M. W. LEE	1337
New eudesmenes from <i>Erigeron annus</i>	X. LI, Q. H. WU, K. GAO	61
Novel bone-targeted agents for treatment of osteoporosis.....	J. B. WANG, C. H. YANG, X. M. YAN, X. H. WU, Y. Y. XIE	859
Novel diarylethenes: N-substituted-3, 4-bisheteroaryl-2, 5-dihydropyrrole.....	Y. HAN, Z. B. ZHANG, J. P. XIAO, W. P. YAN, M. G. FAN	175
Novel heptamethine 3H-indocyanines and their spectral properties.....	L. Q. WANG, X. J. PENG, E. H. LU, J. N. CUI, X. Q. GAO	461
Novel phenomenon of oxygen-to-oxygen silyl migration in directed Aldol reaction..	Z. Q. ZHAO, L. Z. PENG, Y. L. LI	290
On the reaction mechanism of Br ₂ with OCS.....	H. T. YU, H. ZHONG, M. X. LI, H. G. FU, J. Z. SUN	565
One-pot synthesis of isoxazolines using soluble polymer-supported acrylates.....	L. TAO, P. F. ZHANG, Y. X. GU	440
One-step synthesis of dipyrromethanes in the presence of ionic liquid [Hmim]BF ₄ ...	G. H. GAO, L. LU, J. B. GAO, W. J. ZHOU, J. G. YANG, X. Y. YU, M. Y. HE	900
Organic reactions in ionic liquids: an efficient method for the synthesis of phenacyl esters by reaction of carboxylic acids with α -bromoacetophenone promoted by potassium fluoride.....	Y. HU, J. CHEN, Z. G. LE, Z. C. CHEN, Q. G. ZHENG	903
Organic reactions in ionic liquids: ionic liquid-promoted efficient synthesis of disubstituted and trisubstituted thioureas derivatives.....	Z. G. LE, Z. C. CHEN, Y. HU, Q. G. ZHENG	201

Organic reactions in ionic liquids: ionic liquid-promoted three-component condensation of benzotriazole with aldehyde and alcohol.....	155
Ortho-hydroxylation of phenol by tyrosinase model compounds.....	147
Oxidation of hecogenin and diosgenin derivatives with dimethylidioxirane.....	143
.....B. K. ZHU, H. B. ZHANG, Y. S. ZHANG, H. M. ZHONG, J. P. LIU	
Oxypregnane-oligoglycosides from the stems of <i>Stephanotis mucronata</i> (Asclepiadaceae).....R. S. ZHANG, Y. P. YE, X. Y. LI, X. Y. ZHANG	483
Palladium catalyzed synthesis of fluorine-containing 3-biaryl-1-ferrocenyl-2-propene-1-one.....Q. B. SONG, R. X. LIN, T. H. SHEN	35
Pentaerythritol-based carbosilane dendrimers.....X. D. TANG, Q. Z. ZHANG, Q. F. ZHOU	296
Petatrichol B: a pentacyclic triterpenoid with unusual skeleton from <i>Petasites tricholobus</i>W. D. XIE, P. L. LI, Z. J. JIA	1351
Phase selectively soluble dendritic derivative of 4-(dimethylamino)pyridine: an easily recyclable catalyst for Baylis-Hillman reactions.....H. GONG, N. F. YANG, W. J. TANG, Q. H. FAN, L. W. YANG	1017
Phase transfer catalyzed synthesis and antibacterial activity of water-soluble S-triazolo[3,4-b][1,3,4]thiadiazoles containing piperazine group.....G. Q. HU, W. L. HUANG, H. WANG	1309
Photochemically catalyzed Diels-Alder reaction of azadienes with 2, 3-dihydrofuran by 2,4,6-triphenylpyrylium salt: synthesis of styrylfuroquinoline derivatives...W. ZHANG, Y. P. GUO, L. YANG, Z. L. LIU	575
[2+2] Photocycloaddition of [60]fullerene with podophyllotoxin derivative containing cyclohexadienone group.....Q. R. LI, L. Q. LI, S. YANG	729
Photopromoted carbonylation of alkyl bromides catalyzed by copper salts under ambient conditions.....T. WEN, Y. P. JIA, D. B. GAO, J. M. YIN, G. Y. ZHOU, J. LIU, X. S. WANG	1455
Photosensitization of <i>trans</i> -vitamin D ₃ to <i>cis</i> -vitamin D ₃ in heterogeneous system...Y. B. HAN, J. P. CHEN, Y. Y. GAO, B. N. LIU, G. Q. YANG, Y. LI	871
Pinacol coupling reactions catalyzed by active zinc.....H. ZHAO, W. DENG, Q. X. GUO	1459
Poly {[4-(hydroxyl)(tosyloxyliodo]styrene} promoted halotosyloxylation reaction of alkynes.....J. M. CHEN, X. J. LIN, L. L. WU, X. HUANG	315
Preparation and analysis of acylated insulin with dehydrocholic acid.....T. HUANG, K. X. HUANG	743
Preparation and cytotoxicity of novel aliphatic polycarbonate synthesized from dihydroxyacetone.....L. S. WANG, X. S. JIANG, H. WANG, S. X. CHENG, R. X. ZHUO	572
Preparation and electrochemical properties of 3-pyridinyl-6-aryl-1, 2, 4-triazolo [3, 4-b][1, 3, 4]thiadiazoles.....T. XIAO, H. X. LI, C. X. TAN, M. CHEN	335
Preparation and nonlinear optical property of azobenzene substituted polyacetyleneS. C. YIN, G. LI, H. Y. XU, Y. C. GAO, Y. L. SONG	1603
Preparation of 3-aryl-5-phenylselenomethyl 1,2,4-oxadiazole and their further deselenenylation reaction.....W. M. XU, M. Z. MIAO, J. F. XU, X. HUANG	909
Preparation of L-butyl lactate <i>via</i> transesterification by using nafion-H catalyst.....W. LI, G. R. ZHENG, P. LU	23
Preparation of novel side-chain <i>pseudopolyrotaxanes</i> consisting of cucurbituril [6] and polyamine salts.....Z. S. HOU, Y. B. TAN, K. KIM, Q. F. ZHOU	1031
Preparation of the thermoplastic starch/montmorillonite nanocomposites by melt-intercalation.....M. F. HUANG, J. G. YU, X. F. MA	561
Pterocarine, a new diarylheptanoid from <i>pterocarya tonkinensis</i> , its cell cycle inhibition at G ₀ /G ₁ phase and induction of apoptosis in HCT-15 and K562 cells.....H. B. LIU, C. B. CUI, B. CAL, Q. Q. GU, D. Y. ZHANG, Q. C. ZHAO, H. S. GUAN	215
Radical-controlled oscillations in BrO ₃ -fructose-Mn ₂ ⁺ -H ₂ SO ₄ system.....H. X. LI, C. H. GE	579

Reaction of polymer-supported selenovinyl bromide with Grignard reagents: a facile route to the synthesis of (<i>E</i>)-1, 2-disubstituted olefins.....	E TANG, X. J. LIN, L. L. WU	1001
Reduction of 1-deoxy-13-oxotaxanes...M. ZHANG, D. L. YIN, J. Y. GUO, X. T. LIANG		893
Regioselective 1, 2-addition of Ti(IV)-enolate to α , β -unsaturated compounds.....	G. S. DENG, M. Y. LIAO, X. TIAN, J. B. WANG	589
Regioselective propargylation of aldehydes with propargyl bromide mediated by Sn-In in aqueous media under microwave irradiation.....C. Z. GU, Q. R. LI, H. YIN		1573
Remarkable stereoelectronic effect of the methylenedioxy phenyl system in the total synthesis of cephalotaxine.....H. YANG, Y. Q. WANG, W. D. LI		311
Ring-closing metathesis on an allyl-terminated carbosilane dendrimer.....	C. J. ZHOU, R. F. GUAN, S. Y. FENG, D. J. BERG, S. R. STOBART	4
Septemloside III: a nonasaccharide saponin from the bark of <i>Kalopanax septemlobus</i> (Thunb.) Koidz.....J. Y. YIN, Q. MENG, E. S. WANG		53
Sesquiterpenes from red alga <i>Laurencia tristicha</i>		
J. SUN, L. J. HAN, D. Y. SHI, X. FAN, S. J. WANG, S. LI, Y. C. YANG, J. G. SHI		1611
Short synthesis of C-terminal modified peptides by a series-connection procedure...	G. J. TIAN, C. L. QIU, Z. LIU, D. X. WANG	31
Silicon effect on the enantioselective transcyanation of acetyltrimethylsilane examined by different oxynitrilases.....S. L. LIU, M. H. ZONG, S. R. HUANG		1317
Site-directed chemical modification of recombinant human aFGF mutant with polyethylene glycol.....		
..Q. ZHENG, Z. F. HUANG, X. P. WU, Z. J. SU, H. XU, W. ZHAO, Y. D. HUANG, X. K. LI		1013
Solid superacid catalyzed efficient synthesis of 2-diethylaminoethyl aryloxy-acetates.....M. D. CHEN, A. Q. CHEN, M. LIN, Z. Y. LI, J. CHEN		197
Solid-phase synthesis of diethyl <i>trans</i> -1-alkenephosphonates using polymerbound α -diethoxyphosphoryl methyl selenide.....		
.....S. R. SHENG, X. L. LIU, W. ZHOU, X. HUANG		285
Solid-phase synthesis of PNA monomer by Ugi four-component condensation reaction.....W. H. WANG, X. M. ZOU, X. ZHANG, Y. Q. FU, P. XU		585
Solid-phase synthesis of vinyl sulfones using polystyrene-supported selenomethyl phenyl sulfone.....S. R. SHENG, W. ZHOU, X. L. LIU, Q. XIN, C. S. SONG		583
Solvent-free synthesis of dihydrofuran-fused [60]fullerene derivatives by high-speed vibration milling.....X. CHENG, G. W. WANG, Y. MURATA, K. KOMATSU		1327
Solventless Friedel-Crafts acylation under microwave activation.....		
.....W. DENG, Y. XU, Q. X. GUO		327
Spirostane steroid saponins from the underground parts of <i>Tupistra chinensis</i>		
.....G. X. WU, X. Y. WEI, W. X. CHEN		911
Stereoselective synthesis of (<i>Z</i>)-1, 2-bis(arylseleno)-1-alkene by addition of cesium arylselenolate to alkynyl selenide.....		
.....R. L. LU, X. H. XU, W. Q. LIU, Q. L. ZHANG, X. CHEN		325
Structure and transesterification reaction of methyl 3-(phenyldihalostannylyl)-propionates.....L. J. TIAN, Q. S. YU, L. P. ZHANG, Y. X. SUN		1010
Structure-activity relationship of sintenin and its analogues on six human tumor cell lines.....L. H. HU, H. B. ZOU, J.		
X. GONG, H. B. LI, L. X. YANG, C. X. ZHOU, H. BAI, X. M. WU, W. CHENG, Y. ZHAO		997
Studies on the synthesis of morphinan alkaloid:preparation of the key allylic silyl ether precursor.....Z. L. SONG, Y. Q. TU, S. H. GAO, Y. J. JIANG, S. Y. ZHANG		1445
Sulfamic acid as a cost-effective catalyst for acetolysis of cyclic ethers.....		
.....W. Z. GONG, B. WANG, Y. L. GU, L. YAN, L. M. YANG, J. S. SUO		747
Suzuki coupling reaction catalyzed by cyclopalladated complexes of tertiary arylamines in ionic liquid.....H. YI, J. B. LIU, Q. LI, J. TANG		1173
Synergistic catalytic action of cobalt (II) hydroxamates and N-hydroxyphthalimide in the aerobic oxidation of <i>p</i> -xylene.....J. LIANG, J. Z. LI, B. ZHOU, S. Y. QIN		111
Synthesis and adsorption properties of polystyrene-supported chelating resins containing heterocyclic functional groups.....		
.....C. N. JI, R. J. QU, C. H. WANG, C. M. SUN, Q. H. TANG		1193

Synthesis and antibacterial activity of 8-substituted phenyl-1-pyridin-3-yl-5H-bis[1, 2, 4]triazolo[3, 4-b; 4', 3"-d][1, 3, 4] thiadiazines.....	723
.....G. Q. HU, S. Q. XIE, W. L. HUANG, H. B. ZHANG	
Synthesis and antibacterial activity of new cephalosporin compounds.....	1305
.....D. C. FU, F. M. CHU, Z. R. GUO	
Synthesis and anti-HIV activity of trisubstituted (3'R, 4'R)-3', 4'-di-O-(S)-camphanoyl-(+)- <i>cis</i> -khellactone (DCK) analogs.....	1297
.....C. H. ZHAO, T. ZHOU, L. XIE, J. Y. LI, Z. Y. BAO, Z. W. LOU, K. H. LEE	
Synthesis and antitumor activity of C-2/C-10 modified analogues of docetaxel.....	38
.....W. S. FANG, H. Y. LIU, Q. C. FANG	
Synthesis and application of a new acrylic ester resin for recycling SIPA from its water solution.....	1209
.....W. B. YANG, A. M. LI, Q. X. ZHANG, H. M. QIAN, J. FAN, L. C. YANG	
Synthesis and bioactivity of isosteviol derivatives: a facile method for preparation of <i>Ent</i> -16 α -hydroxy-15 β -hydroxymethylbeyeran-19-oic acid.....	1441
.....J. C. TAO, G. Q. TIAN, Y. B. ZHANG, Y. Q. FU, G. F. DAI, Y. WU	
Synthesis and biological evaluation of pyranone analogues of territrem B.....	1189
.....X. R. JIANG, L. AO, C. X. ZHOU, L. X. YANG, H. B. LI, X. M. WU, H. BAI, Q. J. ZHANG, Y. ZHAO	
Synthesis and characterization of a hydrophilic/hydrophobic IPN composed of poly(vinyl alcohol) and polystyrene.....	1597
.....Y. Z. TAN, M. C. XU, H. T. LI	
Synthesis and characterization of dual acidic ionic liquids.....	1563
.....X. H. WANG, G. H. TAO, Z. Y. ZHANG, Y. KOU	
Synthesis and characterization of novel multifunctional acylthiourea polymers.....	609
.....X. P. MAO, J. F. HUANG, Z. F. DUAN, Z. Y. DU, Z. S. HUANG, L. MA, L. Q. GU	
Synthesis and characterization of novel organic/inorganic hybrid polymers containing polyhedral oligosilsesquioxanes.....	41
.....H. Y. XU, X. Y. GAO, S. Y. GUANG, F. C. CHANG	
Synthesis and characterization of novel polyimides based on pyridine-containing diamine.....	1165
.....S. J. ZHANG, Y. F. LI, X. L. WANG, D. X. YIN, Y. SHAO, X. ZHAO	
Synthesis and characterization of poly(ether amide)s containing bisphthalazinone and ether linkages.....	437
.....C. LIU, S. H. ZHANG, M. J. WANG, Q. Z. LIANG, X. G. JIAN	
Synthesis and chromatographic properties of new β -cyclodextrin derivatives with α -Schiff base groups for HPLC.....	789
.....M. FANG, Z. M. ZHOU, A. Q. LUO	
Synthesis and crystal structure of a novel hetero-six-nuclear copper-iron cluster containing ferrocenylphenyl groups.....	883
.....Y. XU, H. X. WANG, Y. FU, M. P. SONG, Y. J. WU	
Synthesis and crystal structures of Schiff bases bearing ferrocenylphenyl groups.....	863
.....Y. XU, Y. FU, M. P. SONG, Y. J. WU	
Synthesis and cytotoxicity evaluation of some isoquinoline derivatives related to 1-arylnaphthalene lignans.....	1279
.....H. X. DING, W. LU, C. X. ZHOU, H. B. LI, L. X. YANG, Q. J. ZHANG, X. M. WU, O. BAUDOIN, J. C. CAI, F. GUÉRITTE, Y. ZHAO	
Synthesis and determination of absolute configuration of a divergent polyhydroxy enyne compound.....	1569
.....Z. J. XUE, Y. C. LI	
Synthesis and nonlinear optical properties of new quadrupolar chromophores.....	597
.....X. Z. GUO, X. M. WANG, Y. K. DU, N. P. HUA, M. SHEN, W. L. JIANG, P. YANG	
Synthesis and photochromic properties of azido analogues of spiropyran and spirooxazine as nucleic acid labeling reagent.....	751
.....H. GUO, W. X. ZOU, Q. JI, J. B. MENG	
Synthesis and photochromic properties of the derivatives of spiropyrans containing a mesogenic group.....	1290
.....H. GUO, Y. B. GAO, J. HAN, X. LI, J. B. MENG	
Synthesis and properties of a novel triphenylamine derivative.....	159
.....Q. XU, H. Z. CHEN, J. Z. SUN, M. WANG	
Synthesis and spectral properties of novel water-soluble near-infrared fluorescent indocyanines.....	341
.....L. Q. WANG, X. J. PENG, W. B. ZHANG, F. YIN, J. N. CUI, X. Q. GAO	
Synthesis and spectroscopic investigation of azoporphyrrins.....	1181
.....X. G. LIU, Y. Q. FENG, F. LI, X. CHEN, X. G. LI, C. Y. ZHANG	

Synthesis and structural characterization of some diorganotin complexes of N-(3,5-dibromosalicylidene)- α -amino acid and their diphenyltin dichloride adducts.....	193
.....L. J. TIAN, Z. C. SHANG, X. J. LIU, Q. S. YU	
Synthesis and two-photon absorption properties of s-triazine derivatives.....	739
.....L. YIN, Y. Z. CU, Q. FANG, G. XUE, G. B. XU, W. T. YU	
Synthesis hexadecyl 3-{4-[2-hydroxy-3(isopropylamino)propoxy]phenyl}propanoate as potential ligand for liposome targeting to ischemic myocardium.....	1004
.....Y. L. HAO, Y. J. DENG, Y. CHEN, Y. C. HU	
Synthesis of (S)-2-(3-arylacrylamido)-3-{4-[2-(5-methyl-2-phenyloxazol-4-yl)ethoxy]phenyl}propanoic acids.....	1301
.....X. B. ZHOU, C. F. LIN, S. LI	
Synthesis of 2,2'-(substituted arylmethylenes)bis(1,6,6-trimethyl-6,7,8,9-tetrahydrophenanthro[1,2-b]furan-10,11-dione) derivatives.....	1451
.....J. K. QIN, X. Z. BU, Y. F. WANG, Z. Y. DU, X. Y. WANG, Z. S. HUANG, L. MA, L. K. AN, L. Q. GU	
Synthesis of 24-methylene-cholest-5-ene-7-oxo-3 β ,19-diacetate.....	604
.....W. G. LU, C. X. ZHANG, J. Y. SU, L. M. ZENG	
Synthesis of 2-en-1-one-ebelactonyl benzoates of territrem B analogues from jujubogenin.....	11
.....J. H. ZHAO, Y. G. WANG, H. B. LI, F. ZHAO, L. X. YANG, H. BAI, S. S. LEE, Y. ZHAO	
Synthesis of 4-aminosalicylglycine.....	889
.....Z. B. ZHAO, J. GUO, Y. G. WEI, T. D. LIANG	
Synthesis of 6, 9, 11-trihydroxy-6 α , 12 α -dehydronorsteroid.....	20
.....H. Y. ZHENG, S. B. LI	
Synthesis of a dopamimetic thionated dipeptide prodrug of L-DOPA.....	713
.....Y. WANG, Z. Z. LIU, S. Z. CHEN	
Synthesis of a new porphyrin-fluorescein hybrid and its supramolecular self-assembly with amino-porphyrinatomanganese(III) by hydrogen-bonding.....	303
.....J. Z. LU, J. W. HUANG, L. F. FAN, J. LIU, K. Z. XU, X. L. CHEN, L. N. JI	
Synthesis of a new rigid bicyclic AMPP ligand (TIAMPP) and application in asymmetric hydrogenation.....	1169
.....D. C. GONG, P. WEI, H. ZHOU, X. L. WANG, P. K. OUYANG	
Synthesis of a novel α -methylene- β -carboxy- γ -thiobutyrolactones.....	1431
.....X. K. WANG, J. L. KANG, S. LI	
Synthesis of a novel conjugate of bromoarene and polyamide containing N-methylimidazoles.....	1330
.....D. LIU, G. YUAN	
Synthesis of a novel series of S-alkyl thiobenzoate compounds as farnesyltransferase inhibitors.....	151
.....S. B. WAN, J. FENG, F. M. CHU, Z. R. GUO	
Synthesis of amphiphilic hepatocyte targeting cholesterylated thiogalactosides.....	1021
.....L. HAI, X. SUN, Z. R. ZHANG, Y. LUO, Y. WU	
Synthesis of boswellic acid derivatives and primary research on their activities.....	867
.....Y. Q. MENG, L. X. ZHAO, Z. WANG, D. LIU, Y. K. JING	
Synthesis of dialkyl-substituted terminal olefin.....	1213
.....S. Y. REN, B. J. SHEN, Q. X. GUO	
Synthesis of indomethacin conjugates with D-glucosamine.....	179
.....Y. C. ZHANG, Y. X. LI, H. S. GUAN	
Synthesis of new benzimidazole derivatives.....	7
.....L. K. AN, X. Z. BU, Z. S. HUANG, L. MA, L. Q. GU, A. S. C. CHAN, Y. M. LI	
Synthesis of nitrogen-containing cyclopeptides from N-terminal lysine precursor on solid supports.....	755
.....X. X. YANG, C. L. QIU, D. X. WANG	
Synthesis of novel monophosphoramidite ligands derived from L-proline for Rh-catalyzed asymmetric hydrogenation of α -dehydroamino acid esters.....	1321
.....Q. H. ZENG, X. P. HU, X. M. LIANG, Z. ZHENG	
Synthesis of N-phosphoryl branched peptides.....	317
.....J. YANG, Y. Y. JIANG, S. L. CAO, H. FU, Y. F. ZHAO	
Synthesis of photoactivatable phospholipidic probes.....	349
.....Q. PENG, F. Q. QU, Y. XIA, J. H. ZHOU, Q. Y. WU, L. PENG	
Synthesis of racemic bis[2-(6-fluoro-2-chromanyl)-2-hydroxyethyl]amine methanesulfonic acid salt using lithium aluminum amide as a promoter in region-selective ring opening of epoxide.....	1577
.....Y. X. YANG, N. X. WANG, Y. L. XING, W. W. WANG, J. ZHAO, G. X. WANG, S. TANG	

Synthesis of tetrahydrofuran and tetrahydropyran derivatives catalyzed by tungstophosphoric acid in ionic liquid.....W. PEI, L. SUN, C. H. XIONG, C. SHEN	1155
Synthesis of tetrahydropyridinyltriazolothiadiazines as possible muscarinic agonists	1
G. Q. HU, W. L. HUANG, H. WANG	
Synthesis of the analogs of triptolide: 7, 8-deoxytriptolide, 7 α , 8 α -epoxytriptolide and related ketones.....F. ZHANG, Y. C. LI	205
Synthesis of the biomimetic polymer: aliphatic diamine and RGDS modified poly(<i>d, l</i> -lactic acid).....X. F. NIU, Y. L. WANG, Y. F. LUO, J. PAN, J. F. SHANG, L. X. GUO	1035
Synthesis, characterization and properties of poly(aryl amides) containing methoxy substituted phthalazinone moiety.....P. WANG, J. D. LIU, X. G. JIAN	1324
Synthesis, characterization, spectroscopic properties of 2-(4-dimethylamino-phenyl)-5-fluoro-6-(morpholin-4-yl)-1H-benzimidazole and its interaction with calf thymus DNA.....L. T. TANG, Y. WANG, X. Q. LIU, S. W. HU, T. W. CHU, X. Y. WANG	345
The benzoylation of 6-methyluracil and 5-nitro-6-methyluracil.....Z. L. ZHANG, P. HAN, X. Y. MA, J. LIU, X. W. WANG, J. Y. LIU	287
The first total synthesis of 3-oxo-11, 12, 13-trihydroxyeudesm-4-ene.....Y. K. GUAN, P. LI, L. J. FANG, Y. L. LI	711
The first total synthesis of triprenylquinone and hydroquinones.....C. H. LI, X. S. CHEN, G. L. ZHOU, Z. X. XIE, Y. LI	1024
The reductive addition reaction of substituted 2-chloromethyl-1,3,4-oxadiazole to aldehydes and ketones promoted by samarium aiiodide.....X. L. XU, W. M. ZHU, Y. M. ZHANG	1566
The self-catalytic esterification reaction of O-phosphoryl serine derivative.....J. T. DU, Y. M. LI, Z. Z. CHEN, S. Z. LUO, Y. F. ZHAO	856
The synthesis of 2, 4, 6-triisopropyl-1, 3, 5-trioxane catalyzed by ionic liquids.....J. G. YANG, X. Y. YU, H. H. WU, Z. L. CHENG, Y. M. LIU, M. Y. HE	299
The synthesis of a series of phosphoryl coumarins.....C. L. RONG, X. C. LIAO, J. C. ZHANG, S. X. CAO, L. LIU, Y. F. ZHAO	1140
Three new anthraquinones from <i>Polygonum ciliinerve</i>H. Y. QI, C. F. ZHANG, M. ZHANG, J. Q. LIU, Z. T. WANG	1050
Three new diarylpropanes from <i>Dioscorea composite</i>S. L. YANG, X. K. LIU	57
Total synthesis of (-)-tetrahydrolipstatin by the tandem Mukaiyama-aldol lactonization.....J. YIN, X. B. YANG, Z. X. CHEN, Y. H. ZHANG	1448
Total synthesis of (\pm)-butyl ester of rosmarinic acid.....L. J. HUANG, D. Q. YU	763
Total synthesis of two 4, 5-dioxo- <i>seco</i> -eudesmane sesquiterpenes.....L. J. FANG, C. X. ZHANG, J. C. CHEN, G. J. ZHENG, Y. L. LI	569
Trifluoromethylation of carbonyl compounds with sodium trifluoroacetate.....Y. CHANG, C. CAI	1313
Triphenylphosphine stabilized silver carboxylates.....J. L. HAN, Y. Z. SHEN, Y. PAN	443
Two cyclic peptides produced by the endophytic fungus # 2221 from <i>Castaniopsis fissa</i> on the south china sea coast.....W. Q. YIN, J. M. ZOU, Z. GSHE, L. L. P. Vrijmoed, E. B. G. Jones, Y. C. LIN	219
Two cytotoxic eremophilolides from <i>Senecio tsoongianus</i>Q. J. ZHANG, H. DOU, Q. X. ZHENG, C. X. ZHOU, Z. J. XU, H. PENG, Y. ZHAO	362
Two new acetylenic compounds from <i>Asparagus gobicus</i>C. X. YANG, C. S. YUAN, Z. J. JIA	365
Two new C ₂₁ steroids from <i>Marsdenia tenacissima</i>J. DENG, Z. X. LIAO, D. F. CHEN	487
Two new constituents from the soft coral <i>Nephthea hainanensis</i>G. Q. LI, X. LI, Z. W. DENG, H. S. GUAN, W. H. LIN	494
Two new <i>ent</i> -kaurenoids from <i>Cacalia pilgeriana</i>E. W. LI, K. GAO, Z. J. JIA, X. ZHAO	625
Two new eremophilane sesquiterpene lactones from <i>Ligularia myriocephala</i> Ling..J. X. LIU, X. N. WEI, Y. P. SHI, R. H. LU	1618

Two new eremophilenolides from <i>Cacalia pilgeriana</i>	E. W. LI, K. GAO, Z. J. JIA	1230
Two new eremophilenolides from <i>Ligularia tongolensis</i>	Y. F. HAN, D. Q. FEI, K. GAO, Z. J. JIA	1053
Two new eudesmanoildes from <i>Sonchus transcaspicus</i>	Y. F. HAN, X. LI, K. GAO, Z. J. JIA	491
Two new glycosides from the roots of <i>Ranunculus ternatus</i>	J. K. TIAN, F. SUN, Y. Y. CHENG	928
Two new norditerpenoid alkaloids from <i>Aconitum spicatum</i> Stapf.....	L. M. GAO, X. M. WEI, L. YANG	475
Two new norditerpenoid alkaloids of <i>Aconitum nagarum</i>	F. ZHANG, S. L. PENG, F. LUO, L. S. DING	1043
Two new polyoxygenated cyclohexenes from <i>Uvaria kweichowensis</i>	Q. M. XU, Z. M. ZOU, L. Z. XU, S. L. YANG	1343
Two new saponins from <i>Lysimachia davurica</i>	J. K. TIAN, Z. M. ZOU, L. Z. XU, G. H. TU, H. W. ZHANG, S. L. YANG, D. G. AN	212
Two new secoiridoids from <i>Helicteres angustifolia</i>	X. D. GUO, Z. S. HUANG, Y. D. BAO, L. K. AN, L. MA, L. Q. GU	49
Two new sesquiterpenes from <i>Eupatorium lindleyanum</i>	N. Y. YANG, S. H. QIAN, J. A. DUAN, P. LI, L. J. TIAN	1223
Two new sesquiterpenes from <i>Ligularia macrophylla</i>	T. SHEN, W. D. XIE, Z. J. JIA	1220
Two new xanthones from <i>Polygala crotalariaeoides</i>	S. M. DENG, Y. X. ZHAO, Y. Q. LIU, J. ZHOU	623
Two novel epimeric eremophilane sesquiterpenes from the flower of <i>Cacalia tangutica</i>	X. LIU, Y. P. SHI	774
Two novel saponins from <i>Lysimachia capillipes</i>	J. K. TIAN, C. XIE, Z. M. ZOU, L. Z. XU, S. L. YANG	1607
Two phaeophytin type analogues from marine sponge <i>Dysidea</i> sp.....	P. F. JIN, Z. W. DENG, Y. H. PEI, W. H. LIN	209
Two series of synthetic territrem B analogues and their biological activities.....	F. ZHAO, J. H. ZHAO, H. B. LI, L. X. YANG, H. BAI, Y. G. WANG, S. S. LEE, Y. ZHAO	457
Unexpected side reaction in the intermolecular N-H insertion of phenyl diazoacetates with arylamines.....	Y. X. ZHU, Y. H. WANG, Z. Y. CHEN, W. H. HU	307
Unexpected synthesis of 2, 2'-[1-(4-methoxyphenoxy)propane-2, 2-diyl]bis(5-methoxy-3-methylbenzofuran).....	Y. D. SHEN, H. Q. WU, L. K. AN, Z. S. HUANG, X. Z. BU, L. Q. GU	1581

Polymeric Chemistry

Assembly of Ag(I) polymers with thioether-S binding and homochiral helices.....	Y. Q. HUANG, H. ZHANG, J. G. CHEN, Z. B. WEI, J. X. GAO	663
Controlled synthesis of dendritic polyaniline fibers with diameters from nanosize to submicrometersize.....	X. C. WANG, S. J. DING, J. CAO, F. L. WU, C. ZHOU, Z. Z. YANG	1523
Different J-type aggregates of meso-tetrakis(4-hydroxyphenyl)porphyrin (H_2T -HPP) formed in different solvents.....	Y. H. ZHANG, Y. WU	534
Dihydroxy capped triblock DTC and CL oligomers prepared by an alkyl glycol / yttrium phenolate system.....	W. CHEN, J. LING, Z. Q. SHEN	282
DNA cleavage of the copper(II) complexes with a polyamine ditopic ligand.....	Y. B. WEI, P. YANG	537
Dynamic mechanical behavior of a novel polymeric composite damping material....	C. ZHANG, J. F. SHENG, C. A. MA	1527
High-molecular-weight polyethylene prepared with early transition metal catalysts..	J. J. YI, W. ZHAO, Z. H. JING	1386
Homogeneous photodegradation of PVC by tungstophosphoric acid.....	K. H. ZHANG, J. C. ZHANG, W. L. CAO	667

<i>In situ</i> synthesis of oligonucleotides on plasma treated polypropylene micro-porous membrane.....	N. Y. HE, J. X. TANG, S. LI, H. CHEN, A. C. ZHOU	397
Predicting the relative retention time (RRT) of polybrominated diphenyl ethers (PBDEs).....	S. S. LIU, Y. LIU, D. Q. YIN, L. S. WANG	1559
Preparation and electrocatalytic activity of polyaniline-poly(propylene oxide).....	M. C. LI, C. A. MA	551
Preparation of dendritic carbosilane-supported palladium catalyst and its catalytic activity in hydrogenation of organic compounds.....	C. F. LI, D. X. LI, Z. J. ZHANG, S. Y. FENG	1389
Study on dyeing performance of cationic water-soluble sulphur black on silk.....	W. L. WANG, S. F. ZHANG, J. Z. YANG	554
Study on the intercalation of TMAPP into α -ZrP.....	H. Y. WANG, D. X. HAN, N. LI, K. A. LI	541
Synthesis and application of a novel organosilane modifier for surface paintability of organosiloxane sealants.....	W. F. WANG, Q. ZHENG, H. G. HU, W. W. LIN	671
Synthesis and characterization of chitosan-g-poly(D, L-lactic acid) copolymer.....	H. YANG, S. B. ZHOU, X. M. DENG	123
Synthesis and characterization of phosphated konjac glucomannan hydrogels.....	L. G. CHEN, Z. L. LIU, Y. J. CHEN, R. X. ZHUO	1652
Synthesis and magnetic properties of polyamide complex containing bithiazole moieties.....	H. Z. GAO, W. L. SUN, Z. Q. SHEN	1113
Synthesis and properties of polyurethane resins from liquefied benzylated wood.....	Y. P. WEI, F. CHENG, H. P. LI, J. G. YU	401
Synthesis and swelling properties of thermosensitive hydrogels based on terpolymerization.....	C. H. NI, X. Y. ZENG, H. HUANG	675
Synthesis and thermal properties of a novel nitrogen-containing epoxy resin.....	X. H. ZHANG, H. M. WAN, Y. Q. MIN, Z. FANG, G. R. QI	547
Synthesis of exfoliated MEH-PPV/clay nanocomposites.....	C. J. JING, L. S. CHEN, Y. SHI, X. G. JIN	1117
Synthesis of hydroxypropyl guar gum by phase transfer catalysis.....	R. C. XIONG, M. Z. CHANG, J. M. CHEN, N. ZHOU, G. WEI	545