

Keyword Index (Volume 6)

<i>Ab initio</i> HF calculations	138	Arsenic trioxide	715
Acetic anhydride	754	Aryl-1,2-diamine	153
Acetolysis	789	Asymmetric dimethyl arginine	849
Acetylation	523	1,2-Azidoalcohol	542
Acetylcholinesterase	838	Azidohydrin	542
Acetylenic esters	705	Azo-coupling	129
Acid-base indicator	345	Azo dyes	578
Acid catalyst	399	α -Azo-6-ketomethyl-phenanthridines	129
Acidic ionic liquids	159	Basic ionic liquids	647
Acid medium	277	Basic resin	510
Activation	219	Benzodiazepines	477
Activation energy	88	Benzoylation	523
Adsorption	353	Beverage	784
Aggregation	570, 679	Biginelli reaction	514
Ag-TiO ₂	578	Binary separations	200
Ag-TiO ₂ Photocatalyst	800	Bioinorganic chemistry	145
Alanine	243	Biological activity	259, 300
Alcohol	288	Biological screening	310
Alcoholysis	789	Bis(dihydrogen-tellurto)argentite(III)	243
Aldehydes	177, 754	Bis(triphenylphosphine)(tetrahydroborato)zirconium(II)	177
Alkyl halides	510	[bmim][HSO ₄]	159
Alkylphosphonates	705	Bromate	533
Alkylthiols	705	<i>n</i> -Butyl hydrogenphthalate	88
Alkylthiosuccinates	705	1-Butyl-3-methylimidazolium hexafluorophosphate	412
Amaranth	784	Cadmium	213
Amine oxidase	849	Calcon	857
Amines and alcohols	761	Calf Thymus DNA	738
2-Aminoethanol	393	Carbazates	510
3-Amino-1-propanol	393	Carbon dioxide	510
Amlodipine	113	Carbon paste electrode	412, 729
Ammonium heptamolybdate tetrahydrate	153	Carmine	353
Angular momentum	489	Catalyst	288
Aniline derivatives	800	Catechol	448
Anilines	399	Cathode material	698
Antibacterial activity	77, 325	Cathodic stripping voltammetry	71
Anticancer drug	715	CD-MEKC	334
Antimicrobial activity	738	CeFeO ₃	293
Antiviral	420	Chromium(III) and calcium(II) complexes	373
Aqueous media	436, 547		
Arc discharge	812		
Arginine	849		
Aromatic amines	800		

Chromium sensor	729	Diperiodatoargentate(III) (DPA)	393
Cloning	831	Diphosphorous pentoxide	405
Cloud point extraction	594, 784	Direct electron transfer	412
Cobalt(III) complexes	145	3,5-Disubstituted 1,2,4- thiadiazoles	547
Colloidal stability	386	1,3-Disulfonamide and poly (1,3-disulfonamide) derivatives	761
Complexes	259	Dithioacetal	722
Condensation	483	DMSO	288
Condensation reactions	647	DNA	679
Congo red	570	DNA binding	145, 552
Cooperativity	219	DNA polymerase I	831
Copper(II) and Zinc(II)	55	Domino Knoevenagel- cyclocondensation	436
Copper complex	82	DSP analysis	808
Corrosion inhibition	353	Dyes	353
CoS nanoparticles	612	Ecology	364
Coumarin	259, 504, 710	Electric field gradient tensors	195
Crystallinity	187	Electrocatalytic determination of hydroquinone	104
Crystal structures	55, 82, 213, 373, 620	Electrochemical	259
Cu(II) complex	300	Electrochemical method	104
Cyclic voltammetry	448	Electrochemical oxidation	448
Cytotoxic activity	145	Energy storage	99
Cytotoxicity	552	Enzyme kinetics	219
Dehydrative cyclization	519	Epoxide	165, 542
Dense fluids	230	Esterification	523
Density functional theory	195	Ethylthiocarbamate	552
Dental adhesives	386	Expression	831
Determination	71	Fast green	353
DFT calculation	99	Ferricyanide	113
1,1-Diacetates	436	Ferron	594
1,2-Diacetate	789	Flame AAS	364
Diamine-thiol	823	Flame atomic absorption spectrometry	594
Diaminotriphenylmethane	816	Flavones	519
β -Dicarbonyl C-H acid	710	Fluorescence	686
1,3-Dicarbonyl compounds	519	Fluoroquinolones	325
Dihydrogen bond	776	Food analysis	679
1,4-Dihydropyridine and polyhydroquinolin	317	Formylation	761
Dihydropyrimidinone	638	FTIR	138, 364
1,2-Diketone	153	FT-Raman	138
4[(4-Dimethylamino- benzylidene)-amino]-benzene sulphonamide	345	Gentian violet	293
2,9-Dimethyl-1,10- phenanthroline	55, 373	Gibbs energies of transfer	168
Diols	754	Glycine	243
1,3-Dioxolane	789	Green chemistry	153, 165, 749
Dioxooctahydroxanthene	483		

H ₂ ⁺	489	Legitimate range of <i>q</i>	341
Hantzsch condensation	317	<i>Lens esculenta</i>	849
Hard-core diameter	230	Lewis base ionic liquids	647
HBeH-HCCH	776	Lipophilicity	838
Heat of vaporization	230	Liquid-liquid extraction	200
Heavier atom	99	Lithium rechargeable battery	698
Hemoglobin	412	LiV ₃ O ₈ ,	698
Heterogeneous catalysis	1	LLCT	213
Heterogeneous catalyst	722	L-Proline	138, 436
Heterogeneous condition	405	Macrocyclic ligand	310
Heteropolyacids	1	Magnesium ion	715
HIV	420	Magnetic interaction	489
HMgH-HCCH	776	MAP kinase	504
Homogeneous coupled chemical reaction	448	Mechanism	533
HPLC	334	Mechanistic study	448
H ₃ PW ₁₂ O ₄₀	816	Metal complexes	310, 620
Hydrazoimine	129	Metal immobilized	104
Hydrazone	129	Metal ions extraction	823
Hydrogen bond	195	Methyl group	776
Hydrogen bonding	373	Methyltrioctylammonium chloride	857
Hydrothermal	386	Metronidazole	277
Hydrothermal method	612	Micellar media	177, 588
Hydrothermal reaction	82	Michael addition	588
Hydroxyapatite	386	Microtubule polymerization	715
Hydroxysulfides	165	Microwave	722
Immobilized-polysiloxanes	823	Microwave irradiation	251, 443, 710, 754, 761
Indium(III)	200	Mild steel	353
Indium(III) chloride	251	Minimum inhibitory concentration	77
Indole	588	MO	213
Inhibition	121, 219	Modified gold electrode	104
Inhibitor	838	Morphology	812
Intense laser field	489	<i>N</i> -Acylation	405
Ionic liquid	519, 710	<i>N</i> -Acylsulfonamide	405
Ionization rate	489	Nano	812
Ion-selective electrode	679	Nano and micro catalysts	602
Iron(III)	113	Nanocavity formation energy	230
Iron oxide	812	Nano zeolite	187
Iron speciation	594	Natural products	420
Isoquinolinium bromochromate	399	<i>N</i> -Benzyl-DABCO-tribromide	547
Isoxazolone	504	<i>N</i> -Benzylideneaniline,	808
Jelly	784	<i>N</i> -Bromosuccinimide	277
Kaolin	187	Neural network	812
Ketones	177	Neutral red	533
Kinetics	88, 113, 121, 399, 533, 602	Nickel(II)	55
Kinetics and mechanism	243, 393		

Nifedipine	113	Piperazinyl quinolones	325
Nitrile	251	Platinum(II) and Palladium(II) complexes	552
Nitrophenols	159	Polio	420
(Z) 3-(4-Nitrophenyl)-2-phenyl-2-propenoate	88	Pollution	364
5-Nitouracil	195	Polyethylene glycol	542
NMR	769	Poly(<i>N</i> -bromoacrylamide)	722
N,N-Bis(salicylidene)- <i>o</i> -phenylenediaminechromium(III)	729	Porphyrin	686
Non-extensive statistical mechanics	341	Potassium peroxydisulfate	638
Norbornadiene	99	Potentiometer	679
Nuclear quadrupole resonance	195	Potentiometry	729
Nuclease activity	738	Privilege of rare events	341
2-OAP	200	Protection	722
Octanol-water partition coefficient	168	<i>Prunella vulgaris</i>	334
Oleanolic acid	334	Pyrano[2,3- <i>d</i>]pyrimidinone	436
Olive mill wastewater (OMWW)	168	Pyrazolone	504
One-pot synthesis	317	Pyridine-2,6-dicarboxylic acid	55, 373
<i>o</i> -Phenylene-diamine	477	Pyrimidinones	514, 638
Optical absorption	679	QSAR	420
Organic synthesis	1	Quadricyclane	99
Organotin(IV)	271	Quinoline yellow	679
Organotin(IV) complexes	88	Quinolones	71
1,3,4-Oxadiazole derivatives	77	Quinoxaline	153
Oxathiadiazolone	504	Rate constants	393
Oxazoline	251	Redox reactions	243
Oxidation	288, 399, 638	Reducing agent	177
Oxidation kinetics	277	Reductive amination	177
PBBS	754	Regulating function	776
<i>p</i> -Dimethylaminobenzaldehyde	345	Resonance light scattering	679
Pentacoordinated geometry	769	Reusable catalyst	523
Phenol	159	Reynolds' model	808
Phenolic compounds	168	Ring opening	542
pH optical sensor	857	Salen	300
Phosphoramidate	838	Salt effect	168, 399
Photocatalysis	602	SbCl ₃	436
Photocatalysts	293, 578	Schiff base	271, 300, 345
Photocatalytic bleaching	293	Selectfluor TM	483
Photocatalytic degradation	570	Self-assembled monolayer	104
Photodegradation	578, 800	Sensitivity to <i>q</i>	341
Photoluminescence	82, 213	SERS	138
Pig kidney	849	Silver(I)	121
Pipemidic acid and ofloxacin	71	SiO ₂ nanoparticle	412
		Sodium azide	542
		Sodium hypochlorite	288
		Sodium nitrate	159
		Sodium periodate	514

Sodium succinate	200	Tin(IV)	271
Solar energy	99	Tinidazole	277
Solution study	55, 373, 620	Titanium dioxide	578
Solvent-free	405, 436, 483, 722, 816	Topological effect	838
Solvent-free conditions	514	Total iron determination	594
Solvent polarity	399	Triacetylcellulose	857
Solvo-treatment	386	1,2,4-Triazole	259
Spectral characterization	310	Triphenyl phosphite	705
Spectrophotometry	113, 121, 784	Triphenyltin(IV) derivative	769
Square-planar geometry	738	Triton X-100	784
Structure-activity relationships	325, 838	Triton X-114	594
Substituent effects	638, 808	Tsallis statistics	341
Substituted hydrazines	510	Turbidity	602
Sulfamic acid	477	Ultrasonic irradiation	251
Sulfanilamide	345	α - β -Unsaturated carbonyl compounds	477
Superimposition	504	α , β -Unsaturated electron- deficient compounds	588
Supported heteropoly acids	1	Ursolic acid	334
Supramolecular chemistry	620	UV-Vis spectroscopy	612
Surfactant	533	Water	749
Synthesis	77, 259, 547	Water chemistry	165
Synthetic food colorant	679	Water cluster	620
Task-specific ionic liquids	647	Water hyacinth	364
Tautomeric forms	271	Water purification	602
Tautomerism	129	Wavepacket	489
TBBDA	754	Wet-chemistry synthesis	698
TDSE	489	Xanthenes	483
Theoretical descriptors	420	X-Ray analysis	769
Theoretical model	364	Zeolite	816
Thermal analysis	300	Zeolite crystallization	187
Thermal degradation	88	Zinc oxide	317, 570
Thermodynamic parameters	823	Zirconyl triflate	523, 789
Thermophile	831	ZSM-5	187
Thioether	749	ZSM-5 Zeolite	612
Thiols	165, 749		
Thiosulfate	121		