

AUTHOR INDEX

- Abdullah A
see Sen P 499
- Abinandanan T A
see Chattopadhyay K 727
- Adinarayana M
see Swaraga M Sudha 123
- Anand V G
 Heptaphyrins: Expanded porphyrins with seven heterocyclic rings 711
- Ananthkrishnan G
see Yashonath S 543
- Anil Kumar A V
see Yashonath S 543
- Aravinda S
 Non-protein amino acids in peptide design 373
- Asnani Minakshi
see Ayyappan P 33
- Ayyappan P
 Hydrothermal synthesis of a new ethylenediammonium intercalated vanadyl phosphate, $(\text{H}_3\text{NCH}_2\text{CH}_2\text{NH}_3)_{0.5} [\text{V}_{0.32}^{4+} \text{V}_{0.68}^{5+} \text{O}^2 \text{PO}_4 \{\text{P}(\text{OH})_2\}_{0.44}]$ 33
- Babu P
 A new bile acid-derived lariat-ether: Design, synthesis and cation binding properties 607
- Bahadur D
 Properties of CMR composites 587
- Bagchi B
see Mukherjee A 621
- Balaji S
 Ultra thin films of nanocrystalline Ge studied by AFM and interference enhanced Raman scattering 401
- Balasubramanian S
see Krishnan M 663
- Balaram P
see Aravinda S 373
- Bandyopadhyay S
Fac-mer equilibria of coordinated iminodiacetate(ida^{2-}) in ternary $\text{Cu}^{\text{II}}(\text{ida})(\text{H}_1\text{B})^-$ complex formation (B = imidazole benzimidazole) in aqueous solution 249
- Banerjee D
see Ray U S 169
- Banerjee S
see Choudhary V R 287
- Banerji K K
see Saraswat Sonu 75
see Shukla Raghvendra 129
- Baskaran S
see Rosemary MJ 703
- Beadham Ian
see Dhar D 365
- Beale A M
 Following the crystallisation of $\text{Bi}_2\text{Mo}_2\text{O}_9$ catalyst by combined XRD/QuEXAFS 525
- Bhargavi G
 Equilibrium and spectral studies on ligational behaviour of N,N'-diformylhydrazine 23
- Bhattacharya S
 Synthesis of gold nanoparticles stabilised by metal-chelator and the controlled formation of close-packed aggregates by them 613
- Bhoopal M
 Equilibria and kinetics for pH-dependent axial ligation of bromomethyl (aquo)cobaloxime by aliphatic amine ligands 83
- Carbone C
see Manju U 491
- Chakraborty I
see Gangopadhyay J 333
- Chakraborty S
see Das D 341
- Chakravorty A
see Gangopadhyay J 333
- Chakravorty D
see Das D 341
- Chandrasekaran S
see Dhar D 365
- Chandrashekar T K
see Anand V G 711
- Chattaraj P K
 Chemical reactivity of the compressed noble gas atoms and their chemical reactivity dynamics during collisions with protons 195
- Chattopadhyay K
 Understanding milling induced changes: Some results 727
- Choudhary V R
 Temperature-programmed desorption of water and ammonia on sulphated zirconia catalysts for measuring their strong acidity and acidity distribution 281
 Low temperature complete combustion of dilute propane over Mn-doped ZrO_2 (cubic) catalysts 287
- Christopher C C
see Parkash Om 649

- Chudasama Uma
see Parikh Alpana 15
- Clarke S
see Krishnan M 663
- Das A
see Mukherjee G N 241
- Das D
 Electrical conduction in composites containing copper core-copper oxide shell nanostructure in silica gel 341
see Bahadur D 587
- Das S
see Gangopadhyay J 333
- Dayantha D Suguna
see Swami Anita 679
- Deb B M
see Wadehra A 349
- Despande Anant
see Kumar Manoj 219
- Devendra Kumar
see Parkash Om 649
- Dhar D
 Proline and benzylpenicillin derivatives grafted into mesoporous MCM-41: Novel organic-inorganic hybrid catalysts for direct aldol reaction 365
- Dhathathreyan A
see Madhan B 751
- Esakkidurai T
 Regioselective nitration of aromatic substrates in zeolite cages 113
- Gangopadhyay J
 A triad of rhenium-mediated transformations 333
- Ganguli A K
see Jha Pika 431
- George M V
 Contributions in organic functional group transformations and photochemical and photophysical studies of selective organic substrates 225
see Sudeep P K 321
- George R G
 Solvent effects on some new *meso*-aryl substituted octabromoporphyrins 263
- George Thomas K
see Sudeep P K 321
- Ghosh J
see Sen P 499
- Gosain Jaya
 Kinetics and mechanism of the oxidation of some vicinal and non-vicinal diols by tetrabutylammonium tribromide 135
- Govindaraj A
see Vivekchand S R C 509
- Govindarajan S
see Premkumar T 103
- Gupta Chintan
see Kumar Manoj 219
- Guru Row T N
see Nalini G 473
- Hari Mohan
see Priyadarsini K I 299
- Hariprakash B
 Monitoring sealed automotive lead-acid batteries by sparse-impedence spectroscopy 465
- Hassan S R
see Ramakrishnan T V 767
- Hegde M S
see Shivakumara C 447
- Hussain Reddy K
see Reddy A Ravikumar 155
- Ita Benedict
 Magnetic properties of lanthanum orthoferrite fine powders prepared by different chemical routes 519
- Jadhav A
see Swami Anita 679
- Jagannadham V
 Carbocation lifetimes and entropy of water addition to carbocations dependent on their stability 41
- Jha Pika
 New perovskite-related oxides having high dielectric constant: $\text{Ln}_2\text{Ba}_2\text{CaZn}_2\text{Ti}_3\text{O}_{14}$ (Ln = La and Pr) 431
- Kabra Dinesh
 Gallium nitride nanoparticles for solar-blind detectors 459
- Kamat P V
see Sudeep P K 321
- Kannappan R
 Magnetic, catalytic, EPR and electrochemical studies in binuclear copper(II) complexes derived from 3,4-disubstituted phenol 1
- Karkamkar A J
see Choudhary V R 281
- Kavitha G
 A low-cost Raman spectrometer design used to study Raman scattering from single-walled carbon nanotube 689
- Krishnakumar S R
see Manju U 491

- Krishnamoorthy G
see Mallik R 307
- Krishnamurthy S S
see Saravanabharathi D 741
- Krishnan M
 Structure of solid monolayers and multi-layers of *n*-hexane on graphite 663
- Krishnanmurthy H R
see Ramakrishnan T V 767
- Krupanidhi S B
 Relaxor type perovskites: Primary candidates of nano-polar regions 775
- Kulandaisamy A
see Raman N 161
- Kulkarni G U
see Ranganathan A 637
- Kumar Ashvani
see Swami Anita 185, 679
- Kumar Manoj
 Yield and enrichment studies of C-13 isotope by multi-photon dissociation of Freon-22 at low temperatures 219
- Kumarraja M
see Esakkidurai T 113
- Kundu T K
see Das D 341
- Lakshmi S
 Electrostatic potential profile and nonlinear current in an interacting one-dimensional molecular wire 533
- László Kótai
see Shukla Raghvendra 129
- Maclaren Ian
see Rosemary M J 703
- Madhan B
 Investigations on geometrical features in induced ordering of collagen by small molecules 751
- Mahalakshmy R
see Kannappan R 1
- Maiti B
see Chattaraj P K 195
- Maitra U
see Babu P 607
- Mallik R
 Kinetics and proton transfer in a green fluorescent protein: A laser-induced pH jump study 307
- Manickam M C Durai
 Regioselective photoamination of 4-nitroveratrole upon cyclodextrin complexation 273
- Manju U
 Electron spectroscopic investigation of metal-insulator transition in $Ce_{1-x}Sr_xTiO_3$ 491
- Martha S K
see Hariprakash B 465
- Mehra Rita
 Application of refractive index missing rules in binary systems of hexadecane and heptadecane with *n*-alkanols at different temperatures 147
- Minimol M P
 Hydrothermal synthesis and characterisation of new methylenediphosphonates of molybdenum(VI), $A[MoO_2(O_3PCH_2PO_3H)]$ ($A = Rb, NH_4$ and Ti) 419
- Mishra B G
 Hydrogen transfer reaction of cyclohexanone with 2-propanol catalysed by CeO_2 -ZnO materials: Promoting effect of ceria 561
- Mohan S
see Balaji S 401
- Mukherjee A
 Probing folding energy landscape of small proteins through minimalistic models: Folding of HP-36 and *b*-amyloid 621
- Mukherjee G N
 Equilibrium study on the reactions of boric acid with some *cis*-diaqua Cr^{III} -complexes 241
see Bandyopadhyay S 249
- Murugavel P
see Ita Benedict 519
- Muthu D V S
see Balaji S 401
- Muthuraj V
see Raman N 161
- Nalini G
 Phase transitions in $A_4Li(HSO_4)_3(SO_4)$; $A = Rb, K$: Single crystal X-ray diffraction studies 473
- Narayan K S
see Kabra Dinesh 459
- Narayana Chandrabhas
see Kavitha G 689
- Natarajan S
see Thirumurugan A 573
- Nath A K
see Kumar Manoj 219
- Nethaji M
see Saravanabharathi D 741
- Onoda M
see Manju U 491
- Padmanabhan M
see George R G 263
- Pai G V
see Ramakrishnan T V 767

- Pai V Ramesh
The one-dimensional extended Bose–Hubbard model 721
- Pandit Rahul
see Pai V Ramesh 721
- Parikh Alpana
A comparative study of the proton transport properties of metal (IV) tungstates 15
- Parkash Om
Preparation structure and dielectric behaviour of the system $\text{Sr}_{1-x}\text{La}_x\text{Ti}_{1-x}\text{Fe}_x\text{O}_3$ ($x \leq 0.50$) 649
- Pataskar S G
see Choudhary V R 287
- Pati S K
see Lakshmi S 533
- Piffard Y
see Ayyappan P 33
- Pitchumani K
see Esakkidurai T 113
see Manickam M C Durai 273
- Ponnambalam V
see Ita Benedict 519
- Poongodi B
see Mishra B G 561
- Pradeep T
see Rosemary M J 703
- Prasad A V S S
Cobalt (II)–EDTA complex as a new reductant for phosphomolybdic acid used for the assay of trazodone 29
- Prasad P B V
see Shashikanth P B 67
- Prashant Kumar
see Sen P 499
- Premkumar T
Preparation, spectral and thermal studies of pyrazinecarboxylic acids and their hydrazinium salts 103
- Priyadarsini K I
Effect of NaCl on the spectral and kinetic properties of cresyl violet (CV)-sodium dodecyl sulphate (SDS) complex 299
- Priyakumar Deva U
Measures to evaluate heteroaromaticity and their limitations: Story of skeletally substituted benzenes 49
- Pushpan S K
see Anand V G 711
- Raj S
see Manju U 491
- Rajendiran T M
see Kannappan R 1
- Raju A R
see Ita Benedict 519
- Ramakrishnan T V
Colossal magnetoresistance manganites: A new approach 767
- Raman N
Synthesis, characterisation and electrochemical behaviour of Cu(II), Co(II), Ni(II) and Zn(II) complexes derived from acetylacetone and *p*-anisidine and their antimicrobial activity 161
- Ramanan A
see Ayyappan P 33
see Upreti S 411
- Ramasami T
see Madhan B 751
- Ranganathan A
Aromaticity in benzene-like rings – An experimental electron density investigation 637
- Rao G Ranga
see Mishra B G 561
- Rao K Prabhakara
see Minimol M P 419
- Rao P Sambasiva
see Srinivasan R 91
- Ravichandran S
see Raman N 161
- Ravishankar N
see Chattopadhyay K 727
- Ray S
see Manju U 491
- Ray U S
Synthesis, spectral characterisation and redox properties of iron (II) complexes of 1-alkyl-2-(arylamino)imidazole 169
- Rayaprol S
Structural and magnetic anomalies among the spin-chain compounds $\text{Ca}_3\text{Co}_{1+x}\text{Ir}_{1-x}\text{O}_6$ 553
- Reddy A Ravikumar
Heavy metal ion uptake properties of polystyrene-supported chelating polymer resins 155
- Reddy D Sudarshan
Equilibrium and kinetic studies on ligand substitution reactions of chlorometh(aquo)cobaloxime with aromatic and aliphatic N-donor ligands 175
- Reddy N Ravi Kumar
see Bhoopal M 83
- Reddy P Ganapati
see Rosemary M J 703
- Rosemary M J
Ciprofloxacin@SiO₂: Fluorescent nanobubbles 703
- Roy R S
see Aravinda S 373

- Sai Ram Y
see Minimol M P 419
- Sambasiva Rao P
see Kannappan R 1
- Sampathkumaran E V
see Rayaprol S 553
- Sankar G
see Beale A M 525
- Sarala Devi Ch.
see Bhargavi G 23
- Saraswat Sonu
 Kinetics and mechanism of oxidation of aliphatic primary alcohols by quinolinium bromochromate 75
- Saravanabharathi D
 Rhodium(I) complexes of α -keto-stabilised 1,2-*bis*(diphenylphosphino)alkane mono ylides 741
- Sardar K
see Kabra Dinesh 459
- Sarkar U
see Chattaraj P K 195
- Sarma D D
see Manju U 491
- Sastry C S P
see Prasad A V S S 29
- Sastry Murali
see Swami Anita 185, 679
- Sastry G Narahari
see Priyakumar Deva U 49
- Satyanarayana S
see Bhoopal M 83
- see* Reddy D Sudarshan 175
- Sen P
 Preparation of Cu, Ag, Fe and Al nanoparticles by the exploding wire technique 499
- Sengupta K
see Rayaprol S 553
- Sengupta S
see Gangopadhyay J 333
- Shamala N
see Aravinda S 373
- Sharma K Pradeep
see Gosain Jaya 135
- Sharma K Pradeep
see Shukla Raghvendra 129
- Sharma Vinita
see Saraswat Sonu 75
- Shashikanth P B
 Linear C₃₂H₆₆ hydrocarbon in the mixed state with C₁₀H₂₂, C₁₂H₂₆, C₁₄H₃₀, C₁₆H₃₄ and C₁₈H₃₈: Comparison of strength phases and role of tunnel-like defects 67
- Shivakumara C
 Low temperature synthesis of layered NA_xCoO₂ and K_xCoO₂ from NaOH/KOH fluxes and their ion exchange properties 447
- Shukla A K
see Hariprakash B 465
- Shukla Raghvendra
 Kinetics and mechanism of the oxidation of substituted benzylamines by cetyltrimethylammonium permanganate 129
- Sinha C
see Ray U S 169
- Sireesha B
see Bhargavi G 23
- Sood A K
see Balaji S 401
- Sougandi I
see Srinivasan R 91
- Srinivasan C
see Manickam M C Durai 273
- Srinivasan R
 Synthesis and room temperature single crystal EPR studies of a dinickel complex having an {Ni₂(*m*-phenoxide)₂}²⁺ unit supported by a macrocyclic ligand environment [Ni₂(L)₂(OCIO₃)₂] [L = 2-[(4-methyl-pyridin-2-ylimno)-methyl]-phenol] 91
- Srivastava A
see Bhattacharya S 613
- Subramanian V
see Madhan B 751
- Sudeep P K
 Rigid rod spaced fullerene as building block for nanoclusters 321
- Suryanarayanan V
see Rosemary M J 703
- Swaraga M Sudha
 Kinetics and mechanism of protection of thymine from sulphate radical anion under anoxic conditions 123
- Swami Anita
 Lamellar multilayer hexadecylaniline-modified gold nanoparticle films deposited by the Langmuir–Blodgett technique 185
 Water-dispersible nanoparticles via interdigitation of sodium dodecylsulphate molecules in octadecylamine-capped gold nanoparticles at a liquid–liquid interface 679
- Thirumurugan A
 A two-dimensional yttrium phthalate coordination polymer, [Y₄(H₂O)₂(C₈H₄O₄)₆]_∞, exhibiting different coordination geometries 573

Author Index

805

- Udgaonkar J B
see Mallik R 307
- Upreti S
 Direct hydrothermal synthesis of metal intercalated hexagonal molybdates, $M_x^+ Mo_{6-x/3} O_{18-x}(OH)_x \cdot yH_2O$ ($M = Li, Rb, Cs, NH_4$) 411
- Vandana
see Sen P 499
- Varghese V
see Chattopadhyay K 727
- Varkey J P
see Sudeep P K 321
- Venkatakrishnan T S
see Saravanabharathi D 741
- Venkatesan R
see Kannappan R 1
- Venkatesan R
see Srinivasan R 91
- Venkatraman S
see Anand V G 711
- Vidyasagar K
see Minimol M P 419
- Vivek S R C
see Kavitha G 689
- Vivekchand S R C
 A new method of preparing single-walled carbon nanotubes 509
- Wadehra A
 A numerical study of time-dependent Schrödinger equation for multiphoton vibrational interaction of NO molecule, modelled as Morse oscillator, with intense far-infrared femtosecond lasers 349
- Waghmare U V
Ab initio study of ferromagnetic $La_{0.5}Ba_{0.5}CoO_3$ 439
- Wei-Ping Pan
see Premkumar T 103
- Yashonath S
 Influence of temperature inhomogeneity on product profile of reactions occurring with in zeolites 543