AUTHOR INDEX

Ahmad T	Bora S J
Reverse micellar synthesis and properties of nano-	see Das B K 487
crystalline GMR materials (LaMnO ₃ , La _{0.67} Sr _{0.33} MnO ₃	Borah B M
and La _{0.67} Ca _{0.33} MnO ₃): Ramifications of size	Low-molecular-weight poly-carboxylate as crystal
considerations 513	growth modifier in biomineralization 519
Ashraf Z	Byabartta P
see Saeed A 419	Sulphur-bridged ruthenium-molybdenum complexes:
	$[(R-aapm)_2Ru(\mathbf{m}-S)_2 \ Mo(OH)_2]$. Synthesis, spectro-
Babita Devi R K	scopic and electro-chemical characterization. R-
see Lonibala R K 327	aapm = 2-(arylazo)pyrimidine 171
Badami B V	Gold(III)pentafluorophenylarylazoimidazole: Synthe-
see Latthe P R 249	sis and spectral (H, C, COSY, HMQC NMR) charac-
Bagchi B	terization 385
see Saini S 23	Synthesis, spectra and electrochemistry of dinitro-bis-
Bahadur D	{2-(phenylazo)pyrimidine} ruthenium(II). Nitro-
Influence of fuel ratios on auto combustion synthesis	nitroso derivatives and reactivity of the electrophilic
of barium ferrite nano particles 15	nitrosyl centre 399
Baidya T	
see Gayen A 47	Carroll P J
Balaraman E	see Govindaswamy P 319
see Kumara Swamy K C 495	Cautero G
Banerjee A	see Manju U 87
see Natarajan S 525	Chakrabarty R
Barman R	see Das B K 487
see Das B K 487	Chakrabortty M
Barman T R	see Das B K 487
Mixed-ligand complex formation equilibria of Cu ^{II}	Chakravarty A R
with biguanide in presence of glycine as the auxiliary	Photocleavage of DNA by copper(II) complexes 443
ligand 411	Chandra M
Baskaran C	see Tak M 341
see Sivasankar C 237	Chandrasekhar V
Bensch W	Stannoxanes and phosphonates: New approaches in
see Srinivasan B R 211	organometallic and transition metal assemblies 455
Bertolo M	Chaudhuri M K
see Manju U 87	An efficient synthesis of quinolines under solvent-free
Bhattacharjee M	conditions 199
Metal-catalysed organic transformations in water:	Chaudhury M
From bromination to polymerisation 583	see Samanta S 475
Bhavana P	Choudhary V R
see Bhyrappa P 393	Non-catalytic pyrolysis of ethane to ethylene in the
Bhuvan Kumar N N	presence of CO_2 with or without limited O_2 261
see Kumara Swamy K C 495	
Bhuyan B J	
see Borah B M 519	Das B K
Bhyrappa P	Structural, thermal and spectroscopic properties of
meso-Tetrathienylporphyrins: Steady-state emission	supramolecular coordination solids 487
and structural properties 393	Das G
Bonde N L	see Thakuria H 425
see Prajapati A K 203	see Borah B M 519

Das M	Govindaswamy P	
A density matrix renormalization group study of low-	Substitution reactions of diphenyl-2-pyridylphosphine	
lying excitations of polythiophene within a Pariser-	with $[(\mathbf{h}^5-C_5Me_5)M(\mathbf{m}-Cl)Cl]_2$ (M = Rh or Ir) dimers:	
Parr–Pople model 67	Isolation of mono-, di- and chelating complexes 319	
Das P K	Guru Row T N	
see Tak M 341	see Natarajan S 7	
Das S K	see Muktha B 43	
see Pradeep C P 311		
see Madhu V 611		
Deepak F L	Hariprakash B	
Improved synthesis of carbon nanotubes with junc-	see Martha S K 93	
tions and of single-walled carbon nanotubes 9	Hegde M S	
Dhathathreyan A	see Gayen A 47	
see Venkat Narayan R 179	Holihosur S N	
Dhuri S N	see Latthe P R 249	
see Srinivasan B R 211	Hussain S	
Du B	see Chaudhuri M K	
see Tang Y 281	see chaadhan Ma	
Dutt N V K	Jagirdar B R	
Correlation of the isosteric heat of adsorption of or-	see Dutta S 579	
ganic molecules over zeolites with equalized electro-	Jain V K	
•		
negativity and chemical hardness 345 Dutta S	Synthesis and characterization of single-source mole-	
	cular precursors for the preparation of metal chalco-	
Snapshots of the "breaking" of the H H bond in the	genides 547	
oxidative addition of H_2 to a metal centre 579	Jignasa A	
Dutta S K	A study on equilibrium and kinetics of ion exchange	
see Samanta S 475	of alkaline earth metals using an inorganic cation ex-	
	changer – zirconium titanium phosphate 185	
Gaffoor S A		
see Martha S K 93	77. U. 7	
Gai P L	Kalita L	
see Ganguli A K 37	see Das B K 487	
Ganguli A K	Kamath V P	
A new form of MgTa ₂ O ₆ obtained by the molten salt	see Thomas G S 127	
method 37	Kamble R R	
see Singh A J 441	Synthesis, spectral characterization and antihae-	
see Ahmad T 513	mostatic activity of 1,2,4-triazoles incorporating	
Gayen A	1,2,4-triazine rings	
Design and fabrication of an automated temperature	Kanniah V	
programmed reaction system to evaluate 3-way cata-	see Venkat Narayan R 179	
lysts $Ce_{1-x-y}(La/Y)_x Pt_y O_{2-d}$ 47	Kaur S	
Ghadwal R S	see Mishra S 361	
Synthesis and spectroscopic properties of homo- and	Kollipara M R	
heterobimetallic complexes of oxovanadium(V) 165	see Govindaswamy P 319	
Ghosh S	Krishnakumar S R	
Factors influencing ring closure through olefin me-	see Manju U 87	
tathesis – A perspective 223	Kulkarni S J	
Ghosh Sarita	see Dutt N V K 345	
see Ghosh S 223	Kulshreshtha S K	
Ghumaan S	see Nigam S 575	
Tuning intermetallic electronic coupling in polyruthe-	Kumar A	
nium systems via molecular architecture 537	see Bahadur 15	
Gopal K	Kumara Swamy K C	
see Chandrasekhar V 455	Unusual products in the reactions of phosphorus(III)	
Govindaraj A	compounds with N=N, C=C or conjugated double-	
see Deepak F L 9	bonded systems 495	
1	, , , ,	

Kumaresan S		Mathur P	
Hydrothermal syntheses and single crystal stru	ctural	Activation of peroxyl and molecular oxygen us	sing
characterization of $M(H_2O)_6(OPTA)_2$ [M = Co(II),		bis-benzimidazole diamide copper (II) compounds 553	
Ni(II), $Zn(II)$; $OPTA = 1$ -oxopyridinium-2	thio-	Maurya M R	
acetato]	243	Structural models of vanadate-dependent haloper	oxi-
		dases and their reactivity	503
La Rosa S		Mayilmurugan R	
see Manju U	87	•	601
Laguna M		McAneny A	
see Byabartta P	385	· · · · · · · · · · · · · · · · · · ·	243
Lahiri G K		Mishra S	
see Ghumaan S	537	Fourier-transform infrared spectroscopic studies of	di-
Lake C H			361
see Kumaresan S	243	Mohanambe L	
Latthe P R		Inclusion of poly-aromatic hydrocarbon (PAH) m	ole-
Curtius rearrangement reactions of 3-(4-azio	locar-	cules in a functionalized layered double hydroxide	
bonyl)phenylsydnone. Synthesis of 4-(sydnon		Mondal K C	
phenyl carbamates, N-aryl-N'-[4-(sydnon-3-yl)] p			261
ureas and their antimicrobial and insecticidal a	-	Mozharivskyj Y A	201
ties	249		319
Lofland S E	21)	Mugesh G	517
see Thomas J	79	<u> </u>	619
see Ahmad T	513	Mukherjee G N	017
Lonibala R K	313	3	411
Protonation constant of salicylidene	(N-	Muktha B	711
benzoyl)glycyl hydrazone and its coordination b	*	Crystal structure and ionic conductivity of a new	hic_
iour towards some bivalent metal ions	327	muth tungstate, Bi ₃ W ₂ O _{10.5}	43
four towards some orvaient metal fons	321	Mulla S A R	73
MacLaren I			261
see Rosemary M J	375	Murthy B S N	201
Madhu V	373	•	345
	teinn	see Dutt N V K	343
One-pot synthesis of a Mn(III)–Cu(II)–Mn(III)			
clear heterometallic compound formed by Mr Cu–S···Mn supramolecular interactions: Crystal		Negarian V	
ture of $[\{Mn^{III}(salph)(H_2O)\}_2\{Cu^{II}(mnt)_2\}]\cdot 4DMF$	611	Nagarajan K	daa
	011	Creative research in the chemical industry – Four	
Mahajan C G	261		291
see Mishra S	361	Nagarajan L	155
Mahata P	525		455
see Natarajan S	525	Nagarajan R	105
Majumder C	575		195
see Nigam S	575	Namboothiri I N	275
Mandal S	505		275
see Natarajan S	525	Nangia S	~ =
Mangalam R V K		see Ganguli A K	37
Structural, magnetic and magnetotransport prop		Narayan K S	
of $La_{0.7-x}Ce_xBa_{0.3}MnO_3$ ($x = 0.0-0.4$)	99	see Natarajan S	57
Manikyamba P		Natarajan S	_
see Ranga Reddy S	257	Foreword	7
Manju U		Synthesis, structure and magnetic properties of	
see Manju U	87	polyoxovanadate cluster [Zn ₂ (NH ₂ (CH ₂) ₂ NH	
Martha S K		$[{Zn(NH_2(CH_2)_2NH_2)_2}_2{V_{18}O_{42}(H_2O)}] \cdot xH_2O (x \sim$	
A low-cost lead-acid battery with high specific-e	nergy93	possessing a layered structure	57
Mascarenhas R J	-	The use of hydrothermal methods in the synthesis	
A study of quasi reversible nitro radical anion from		1	525
nitrostyrene at wax-impregnated carbon paste		Näther C	
trode	275	see Srinivasan B R	211

Nigam S	Ramanan A	
Theoretical study of aromaticity in inorganic tetramer	see Thomas J 79	
clusters 575	see Pavani K 159	
Niladri S	Ramanujachary K V	
see Ghosh S 223	see Thomas J 79	
	see Ahmad T 513	
Padma Kumar P	Ramaraj R	
Ionic conduction in the solid state 135	Nanostructured metal particle-modified electrodes for	
Palaniandavar M	electrocatalytic and sensor applications 593	
Iron(III) complexes of certain tetradentate phenolate	Ramasesha S	
ligands as functional models for catechol dio-	see Das M 67	
xygenases 601	Ramaswamy P	
Pati S K	see Natarajan S 525	
see Natarajan S 57	Ramesh G S	
Patil P B	see Gayen A 47	
see Latthe P R 249	Ramya K V	
Patra B N	see Natarajan S 525	
see Bhattacharjee M 583	Ranga Reddy S	
Paul A	Linear free energy relationship in reactions between	
Optical absorption and fluorescence studies on imida-	diphenyl amine and benzyl bromides 257	
zolium ionic liquids comprising the bis(trifluoro-	Rao C N R	
methanesulphonyl)imide anion 335	see Deepak F L 9	
Paul A K	Rao T R	
see Natarajan S 525	see Lonibala R K 327	
Pavani K	Rao V K	
Two new polyoxovanadate clusters templated through	see Natarajan S 525	
cysteamine 159	Rath S P	
Perumal P T	Dioxygen reactivity of <i>meso</i> -hydroxylated hemes: in-	
An unusual hydrogen addition of indolo-2,3-	termediates in heme degradation process catalyzed by	
quinodimethanes to dimethylindoles in the presence	heme oxygenase 463	
of 1,3-azoles	Ravikumar Y V L	
Phani Pavan M	see Dutt N V K 345	
see Kumara Swamy K C 495	Ray S	
Prabhakara Rao K	see Manju U 87	
see Reddy B K K	Reddy B K K	
Pradeep C P	Syntheses, structure and intercalation properties of	
A chiral Mn(IV) complex and its supramolecular	low-dimensional phenylarsonates, A(HO ₃ AsC ₆ H ₅)	
assembly: Synthesis, characterization and properties 311	($H_2O_3AsC_6H_5$) (A = Tl, Na, K and Rb) 117	
Pradeep T	Reddy V K	
see Rosemary M J 375	see Mascarenhas R J 275	
Prajapati A K	Rosemary M J	
Mesogenic benzothiazole derivatives with methoxy	Aniline incorporated silica nanobubbles 375	
substituents 203	Roy G	
Praveen Kumar K	Thyroid hormone synthesis and anti-thyroid drugs: A	
see Kumara Swamy K C 495	bioinorganic chemistry approach 619	
see Rumara Swamy R C 493	biomorganic enemistry approach 019	
	Saeed A	
Raj S	Sodium borohydride reduction of aromatic carboxylic	
see Manju U 87	acids via methyl esters 419	
Rajakumar S	Saini G S S	
see Bahadur D 15	see Mishra S 361	
Rakesh T	Saini S	
see Jignasa A 185	Fluorescence resonance energy transfer (FRET) in	
Ramadevi P	chemistry and biology: Non-Förster distance depend-	
see Kumaresan S 243	ence of the FRET rate 23	
See Ramaresan 5 243		

Samanta A		Sundaresan A	
see Paul A	335	see Mangalam R V K	99
Samanta S		Suryanarayanan V	
Utilization of LVO ₂ species (L ²⁻ is a tridentate ONS		see Rosemary M J 37	75
donor) as an inorganic analogue of carboxyla			
A journey to a new domain of coordination	chemistry		
	475	Tak M	
Samuelson A G		Quantum yield of Cl* (${}^{2}P_{1/2}$) production in the ga	
see Sivasankar C	237	r r 5	41
Samuelson A S		Tang Y	
see Sharma R S	569	Temperature effects on surface activity and applic	
Sankar M		tion in oxidation of toluene derivatives of CTAB-SD	
see Bhyrappa P	393	with KMnO ₄ 28	31
Sarma D D		Tayebee R	
see Manju U	87	Oxygenation of saturated and unsaturated hydroca	
Sasikumar P		bons with sodium periodate catalyzed by mang	
see Chandrasekhar V	455	nese(III) tetra-arylporphyrins, to study the axi	
Satish Kumar N		8	29
see Kumara Swamy K C	495	Thakuria H	
Sawant J V		One-pot efficient green synthesis of 1,4-dihydr	0-
see Srinivasan B R	211	1	25
Senapati D		Thilagar P	
see Tak M	341		55
Sharma R K		Thimme Gowda B	
On the key role of water in the allylic activa		see Usha K M 35	51
lysed by Pd (II) bisphosphinite complexes	569	Thirumal M	
Sharma S		Ę	37
see Thomas J	79	Thomas G S	
Sherigara B S		Line broadening in the PXRD patterns of layered h	-
see Mascarenhas R J	275	droxides: The relative effects of crystallite size ar	nd
Shinge P S			27
see Latthe P R	249	Thomas J	
Shukla A K		Formation of high nuclearity mixed-valent poly	-
see Martha S K	93	oxovanadates in the presence of copper amine cor	n-
Singh A		P	79
see Ghadwal R S	165	Topwal D	
Singh A J		A microspectroscopic study of the electronic homog	e-
Foreword	441	neity of ordered and disordered Sr ₂ FeMoO ₆	37
Singh H		Tripathi S K	
see Saini S	23	see Mishra S 36	51
Singh M		Trivedi D C	
Study of apparent molal volume and viscosi		see Martha S K	93
tual citric acid and disodium hydrogen orthog	_		
aqueous systems	269	Uma C	~ -
Sivasankar C		ε	85
Synthesis, spectroscopic characterization a		Upreti S	
tronic structure of some new Cu(I) carbene c	-		59
	237	Usha K M	
Srihari R	. =	A study of substituent effect on the oxidative strength	
see Gayen A	47	of sodium salts of N-bromo-arylsulphonamides: K	
Srinivasan B R		netics and mechanism of oxidation of D-fructose ar	
A novel hydrogen-bonded cyclic dibromide		D-glucose in alkaline medium 35	51
ganic diammonium salt	211	V 1 D	
Sudha B S	404	Varghese B	0.0
see Kamble R R	191	see Bhyrappa P 39	93

Autho	or Index	643
Vasudevan S	Yang J	
see Mohanambe L 105	see Tang Y	281
Velusamy M	Yashonath S	
see Palaniandavar M 601	see Padma Kumar P	135
Venkat Narayan R		
Tuning size and catalytic activity of nano-clusters of		
cobalt oxide 179		
Vidyasagar K		
see Reddy B K K	Zacharias P S	
·	see Pradeep C P	311
Walsh R D	Zhang Y	
see Kumaresan S 243		281