

AUTHOR INDEX

Agarwal M K		Bhat H L	
<i>see</i> Dholakia Dhairya A	291	<i>see</i> Udayashankar N K	445
Ananthakumar S		<i>see</i> Dixit V K	455
<i>see</i> Warriar K G K	191	Bhattacharyya S K	
Anantharaman M R		<i>see</i> Parhi P K	143
Tailoring magnetic and dielectric properties of rubber ferrite		Bhimasankaram T	
composites containing mixed ferrites	623	<i>see</i> Prasad N V	487
Annapoorni S		<i>see</i> Aparna M	497
<i>see</i> Suri Komilla	563	Bhisey A N	
Aparna M		<i>see</i> Sinha Amit	653
Effect of lanthanum doping on electrical and electromechanical		Bhowmik Leena	
properties of $Ba_{1-x}La_xTiO_3$	497	<i>see</i> Roy Bidhan C	389
Arora B M		Bose N R	
<i>see</i> Gadkari D B	475	<i>see</i> Ray Dipa	129
Arora N K		<i>see</i> Roy Rita	79, 87, 137
<i>see</i> Ekbote S N	603	<i>see</i> Seal A	197
Asthana Anjana		Boussuge Michel	
Observation of curious spiral growth features in Tl doped Hg		Some numerical approaches of creep, thermal shock, damage	
bearing high temperature superconducting tapes	595	and delayed failure of ceramics and refractories	97
Atkinson J D		Brar Balraj Singh	
<i>see</i> Verma B B	231	<i>see</i> Gupta Nikhil	219
Awasthi D K			
<i>see</i> Somayajulu D R S	397		
		Chakrabarti Bikas K	
		<i>see</i> Banerjee Rajat	161
Babu B Ramesh		Chakrabarti O P	
<i>see</i> Thirunakaran R	51	Study of indentation induced cracks in $MoSi_2$ -reaction	
Babu K Rajendra		bonded SiC ceramics	181
<i>see</i> Rahimkuty M H	249	Chandi P S	
Bagai R K		<i>see</i> Virk H S	529
<i>see</i> Radhakrishnan J K	659	Chandrashekar T	
Balasingh C		<i>see</i> Kashyap K T	345
<i>see</i> Priya M	511	Chandrawat M P S	
Balasubramaniam R		Effect of bitumen emulsion on setting, strength, soundness	
<i>see</i> Dillman P	317	and moisture resistance of oxychloride cement	313
<i>see</i> Priyadarshi A	559	Chatterjee Partha	
Bamzai K K		Particle fracture and plastic deformation in vanadium pentoxide	
<i>see</i> Pandita Sanjay	435	powders induced by high energy vibrational ball-mill	173
Banerjee H D		Chatterjee S	
<i>see</i> Chatterjee S	579	Metallo-organic compound-based plasma enhanced CVD of	
Banerjee M		ZrO_2 films for microelectronic applications	579
<i>see</i> Mukhopadhyay A K	125	Chatterjee S K	
<i>see</i> Seal A	151	<i>see</i> Karmaker G	649
Banerjee Rajat		Chattopadhyay S K	
Cracking phenomena in lithium-di-silicate glass ceramics	157	<i>see</i> Karmaker G	649
Critical fatigue behaviour in brittle glasses	161	Chaudhuri M Ray	
Baorong Hou		<i>see</i> Mukhopadhyay A K	125
Analysis of corrosive environmental factors of seabed		Cheng B L	
sediment	253	Stress relaxation and estimation of activation volume in a	
<i>see</i> Li Yan	301	commercial hard PZT piezoelectric ceramic	165
Basu D		Chudasama Uma	
Effect of zirconia addition on the fatigue behaviour of fine		<i>see</i> Pandit Beena	265
grained alumina	101		
Bhandari Deepika		Dalal Mahesh K	
<i>see</i> Jain Rohit	27	Catalytic activity of polymer-bound Ru(III)-EDTA complex	237
Bhargava Parag			683
Stereological characterization of crack path transitions in			
ceramic matrix composites	185		

- Dalui A K
see Seal A 151
- Dalui S K
see Mandal S 121
see Mukhopadhyay A K 125
see Seal A 197
- Das B K
see Ekbote S N 603
- Das P K
see Chakrabarti O P 181
- Das S K
 Evaluation of solid–liquid interface profile during continuous casting by a spline based formalism 373
- Das Santanu
 High temperature flow behaviour of SiC reinforced lithium alumino silicate composites 215
- Date S K
see Ravi V 483
see Venkataraman A 617
see Anantharaman M R 623
- Datta Someswar
 Studies on broad spectrum corrosion resistant oxide coatings 569
- Deepak
 A detailed model for defect concentration and dopant activation in GaAs 225
- Dey A K
see Mandal S 121
- Dey T K
see Srinivas S Vijay 385
- Dhawan A
 Study of oxidation behaviour of Zr-based bulk amorphous alloy $Zr_{65}Cu_{17.5}Ni_{10}Al_{7.5}$ by thermogravimetric analyser 281
- Dholakia Dhairya A
 Two- and three-dimensional models for analysis of optical absorption in tungsten disulphide single crystals 291
- Dillman P
 Characterization of ancient Indian iron and entrapped slag inclusions using electron, photon and nuclear microprobes 317
- Dixit V K
 Experimental setup for rapid crystallization using favoured chemical potential and hydrodynamic conditions 455
- Durga D K
 Composition dependence of electrical properties of ZnF_2 – MO – TeO_2 glasses 421
- Dutta Sunil
 Fracture toughness and reliability in high-temperature structural ceramics and composites: Prospects and challenges for the 21st Century 117
- Ekbote S N
 Preparation and characterization of Ag-added $Bi_{1.84}Pb_{0.4}Sr_2Ca_{2.2}Cu_3O_{10+x}$ bulk tube conductors for cryogen free superconducting magnet 603
- Elizabeth Anit
 Growth and micro-topographical studies of gel grown cholesterol crystals 431
- Faupel F
see Dhawan A 281
- Feng Falun
see Li Yan 301
- Freeda T H
see Priya M 511
- Gadkari D B
 Influence of crystal–melt interface shape on self-seeding and single crystalline quality 475
- Ghatak S
see Mandal S 121
- Ghoshal S K
see Tripathy S 285
- Giri Rajiv
 Effect of cationic size in $Hg(Tl/Bi)Ba_2Ca_2Cu_3O_{8+d}$ on superconducting and microstructural characteristics 523
- Godiwalla K M
see Ray A K 203
- Goel R C
see Ekbote S N 603
- Gongyu Guo
see Baorong Hou 253
- Gundiah Gautam
 Macroporous silica–alumina composites with mesoporous walls 211
- Gupta Maya Dutta
see Roy Bidhan C 389
- Gupta Nikhil
 Effect of filler addition on the compressive and impact properties of glass fibre reinforced epoxy 219
- Gupta S P Sen
see Chatterjee Partha 173
- Hiremath Vijay A
see Venkataraman A 617
- Huiqiang Wu
see Juan Wang 639
- Huyuan Sun
see Baorong Hou 253
- Ingle A
see Sinha Amit 653
- Ittyachen M A
see Elizabeth Anit 431
- Jain K P
see Tripathy S 285
- Jain P L
see Khare P K 401
- Jain Rohit
 Effect of high-energy heavy ion irradiation on the crystallization kinetics of Co-based metallic glasses 27
- Jana Sunirmal
see Majumdar Amitava 69
- Jinglei Zhang
see Baorong Hou 253
- Jinming Song
see Baorong Hou 253
- Jose T A
see Saravanan P 515
- Joseph Cyriac
see Elizabeth Anit 431

- Joshi P B
see Kokare S R 243
- Joy P A
see Anantharaman M R 623
- Juan Wang
 Fine structure at the diffusion welded interface of Fe₃Al/
 Q235 dissimilar materials 639
- Kalaiselvi N
see Thirunakaran R 51
- Kannan T S
see Rao R Ramachandra 57
- Karmaker G
 An X-ray diffraction study of defect parameters in a Ti-base
 alloy 649
- Kashyap K T
 On the origin of recrystallization textures 23
 Effects and mechanisms of grain refinement in aluminium
 alloys 345
 Effect of zirconium addition on the recrystallization behaviour
 of a commercial Al–Cu–Mg alloy 643
- Khare P K
 Charging transient in polyvinyl formal 401
- Khare Varsha
 Role of Fe substitution and quenching rate on the formation
 of various quasicrystalline and related phases 257
- Khelawan Ram
see Singh Nirbhay 169
- Khurana B S
see Ekbote S N 603
- Kokare S R
 Studies on compensating valency substituted BaTi_(1-x)Mn_{x/2}Nb_{x/2}O₃
 ceramics 243
- Kotru P N
see Pandita Sanjay 435
- Krishnarao R V
 SiC fibre by chemical vapour deposition on tungsten filament
 273
- Kulkarni D K
see Sawadh P S 47
- Kulkarni G U
see Saravanan P 515
- Kulkarni S D
see Venkataraman A 617
see Anantharaman M R 623
- Kumar A N
see Sorensen B F 111
- Kumar G M Anil
see Warriar K G K 191
- Kumar G S
see Prasad N V 487
see Aparna M 497
- Kumar K Vijaya
see Ravinder D 505
- Kumar M
see Verma B B 231
- Kumar M R Sudarsana
see Rahimkuty M H 249
- Kurian Philip
see Anantharaman M R 623
- Lakshminarayana N
see Deepak 225
- Lal K B
see Gadkari D B 475
- Lanke U D
 Effect of 80 keV Ar⁺ implantation on the properties of pulse
 laser deposited magnetite (Fe₃O₄) thin films 35
- Laxman S Bal
see Sirdeshmukh D B 469
- Li Yan
 Study on growth factors of intermetallic layer within hot-
 dipped 25% Al–Zn alloy coating on steel 301
 Corrosion behaviour of hot dip zinc and zinc–aluminium
 coatings on steel in seawater 355
- Ma Ying
see Li Yan 301
- Mahadevan C
see Theivanayagom M 441
see Priya M 511
- Maiti C K
see Chatterjee S 579
- Maiti H S
see Seal A 197
- Majumdar Amitava
 Glass and glass–ceramic coatings, versatile materials for
 industrial and engineering applications 69
- Malini K A
see Anantharaman M R 623
- Mandal R K
see Mishra Lallan 339
see Shukla Prashant 547
- Mandal S
 Mechanical characteristics of microwave sintered silicon
 carbide 121
- Mathur G N
see Singh Nirbhay 169
- Mehra N
see Ekbote S N 603
- Meikap A K
see Karmaker G 649
- Mishra Lallan
 XRD and optical microscopic studies of Co(III) complexes
 containing 5-cyano-6-(4-pyridyl)-2-thiouracil, thymine and
 adenine bases 339
- Mohammed E M
see Anantharaman M R 623
- Mondal S
see Chakrabarti O P 181
- Mukherjee P
see Karmaker G 649
- Mukhopadhyay A K
 Indentation fatigue in silicon nitride, alumina and silicon
 carbide ceramics 105
see Mandal S 121
 Mechanical characterization of microwave sintered zinc oxide
 125
see Seal A 151, 197
- Munim K R
see Sinha Amit 653

- Muniyandi N
see Thirunakaran R 51
- Murthy C N
see Somayajulu D R S 397
- Murthy S R
 Low temperature sintering of MgCuZn ferrite and its electrical and magnetic properties 379
 A study of ultrasonic velocity and attenuation on polycrystalline Ni–Zn ferrites 611
- Murthy V S R
see Das Santanu 215
- Murty G S
see Das Santanu 215
- Nair C M K
see Rahimkuty M H 249
- Nair P K
see Varma M R 305
- Narula R C
see Radhakrishnan J K 659
- Nozoye H
see Rao G Ranga 583
- Ojha S N
see Chandrawat M P S 313
see Shukla Prashant 547
- Padal N T
see Kokare S R 243
- Padam G K
see Ekbote S N 603
- Padma C M
see Priya M 511
- Pai K Vasanth Kumar
see Prashantha K 535
- Pal S
see Saraswathy G 415
- Pandey R K
see Khare P K 401
- Pandit Beena
 Synthesis, characterization and application of an inorganic organic material: *p*-chlorophenol anchored onto zirconium tungstate 265
- Pandita Sanjay
 Crystallization of mixed rare earth (didymium) molybdates in silica gel 435
- Panigrahi B K
 Processing of low carbon steel plate and hot strip—an overview 361
- Parhi P K
 Failure analysis of multiple delaminated composite plates due to bending and impact 143
- Patel N V
see Somayajulu D R S 397
- Patel S G
see Dholakia Dhairya A 291
- Pathak Brajesh
see Mishra Lallan 339
- Patterson B R
see Bhargava Parag 185
- Pawar S A
see Kokare S R 243
- Periasami P
see Thirunakaran R 51
- Phani K K
see Mukhopadhyay A K 125
see Seal A 151, 197
- Pillai K Sreedharan
see Rahimkuty M H 249
- Pillai S G K
see Varma M R 305
- Prasad G
see Prasad N V 487
see Aparna M 497
- Prasad N V
 Synthesis, impedance and dielectric properties of $\text{LaBi}_5\text{Fe}_2\text{Ti}_3\text{O}_{18}$ 487
- Prasannakumar S
see Prashantha K 535
- Prashantha K
 Interpenetrating polymer networks based on polyol modified castor oil polyurethane and poly (2-hydroxy-ethylmethacrylate): Synthesis, chemical, mechanical and thermal properties 535
- Prem Kumar T
see Thirunakaran R 51
- Priya M
 Electrical conductivity measurements on gel grown KDP crystals added with urea and thiourea 511
- Priyadarshi A
 On critical hydrogen concentration for hydrogen embrittlement of Fe_3Al 559
- Radhakrishnan J K
 Homogenization of zinc distribution in vertical Bridgman grown $\text{Cd}_{0.96}\text{Zn}_{0.04}\text{Te}$ crystals 659
- Raetzke K
see Dhawan A 281
- Raghavan M
see Thirunakaran R 51
- Rahimkuty M H
 Thermal behaviour of strontium tartrate single crystals grown in gel 249
- Rahman A
see Sarmah P C 411
- Rajan K Govinda
see Shekar N V Chandra 1
- Raju S Bangaru
see Reddy M Rami 63
- Ram R N
see Dalal Mahesh K 237
- Raman R
see Radhakrishnan J K 659
- Rana A K
see Roy Rita 79
see Ray Dipa 129
- Rane K S
 Synthesis of ferrite grade $\alpha\text{-Fe}_2\text{O}_3$ 39
 Dielectric behaviour of MgFe_2O_4 prepared from chemically beneficiated iron ore rejects 323
 Ferrite grade iron oxides from ore rejects 331
- Rao G Ranga
 Preparation of Sm–Ru bimetallic alloy films on Ru(0001)

- surface by vapour-deposition and annealing 583
- Rao K Kishan
see Sirdeshmukh D B 469
- Surface studies on as-grown (111) faces of sodium bromate crystals 665
- Rao R Ramachandra
 pH controlled dispersion and slip casting of Si_3N_4 in aqueous media 57
- Rao Uma Maheswar
see Sarathi R 587
- Ratnakaram Y C
 Correlation of radiative properties of rare earth ions (Pr^{3+} and Nd^{3+}) in chlorophosphate glasses—0.1 and 0.5 mol% concentrations 539
- Ravi V
 Non-linear I - V characteristics of doped $\text{Sn}_{1-x}\text{Ti}_x\text{O}_2$ ($0.0 < x < 0.25$) system 483
- Ravinder D
 Dielectric behaviour of erbium substituted Mn-Zn ferrites 505
- Ray A K
 Crack propagation studies and bond coat properties in thermal barrier coatings under bending 203
- Ray Abhijit
see Srinivas S Vijay 385
- Ray Dipa
 Effect of alkali treated jute fibres on composite properties 129
- Ray Jayanta K
see Roy Bidhan C 389
- Reddy A Viswanadha
see Ratnakaram Y C 539
- Reddy M Rami
 Acoustic investigations on $\text{PbO-Al}_2\text{O}_3\text{-B}_2\text{O}_3$ glasses doped with certain rare earth ions 63
- Reece M J
see Cheng B L 165
- Renganathan N G
see Thirunakaran R 51
- Rodrigues B V
see Dixit V K 455
- Roopa H N
see Rao R Ramachandra 57
- Rose C
see Saraswathy G 415
- Roy Bidhan C
 Synthesis and characterization of poly (2,5-dimethoxyaniline) and poly(aniline-Co-2,5-dimethoxyaniline): The processable conducting polymers 389
- Roy N
see Ray A K 203
- Roy Rita
 Impact fatigue behaviour of carbon fibre-reinforced vinylester resin composites 79
 Effects of moisture on the mechanical properties of glass fibre reinforced vinylester resin composites 87
 Behaviour of E -glass fibre reinforced vinylester resin composites under impact fatigue 137
- Sahni Neera
see Pandita Sanjay 435
- Samanta S K
see Chatterjee S 579
- Saraf K B
see Shitole Sharda J 461
- Saraswathy G
 A novel bio-inorganic bone implant containing deglued bone, chitosan and gelatin 415
- Sarathi R
 Investigation of surface modifications in ethylene propylene diene monomer (EPDM) rubber due to tracking under a.c. and d.c. voltages 587
- Saravanan P
 Submicron particles of Co, Ni and Co-Ni alloys 515
- Sarkar B K
see Basu D 101
see Ray Dipa 129
see Roy Rita 79, 87, 137
- Sarkar M
see Somayajulu D R S 397
- Sarmah P C
 Current-voltage characteristics of Ag, Al, Ni-(n)CdTe junctions 411
- Sasikumar R
see Varma M R 305
- Sastry T P
see Saraswathy G 415
- Sawadh P S
 Structural and magnetic properties of $\text{CaMg}_2\text{Fe}_{16}\text{O}_{27}$ 47
- Sawant P Y
see Rane K S 323, 331
- Sawhney K J S
see Tiwari M K 633
- Saxena N S
see Jain Rohit 27
- Seal A
see Mandal S 121
see Mukhopadhyay A K 125
 Mechanical properties of very thin cover slip glass disk 151
 Mechanical properties of glass polymer multilayer composite 197
- Sen Suchitra
see Chatterjee Partha 173
- Seth G L
see Radhakrishnan J K 659
- Sharma B P
see Sinha Amit 653
- Sharma M
see Ekbote S N 603
- Sharma S K
see Jain Rohit 27
see Dhawan A 281
- Shashidharan P
see Gadkari D B 475
- Shekar N V Chandra
 Kinetics of pressure induced structural phase transitions—A review 1
- Sherigara B S
see Prashantha K 535
- Shitole Sharda J
 Growth and study of some gel grown group II single crystals of iodate 461

- Shukla Prashant
Non-equilibrium solidification of undercooled droplets during atomization process 547
- Sindhu S
see Anantharaman M R 623
- Singh A K
see Tiwari M K 633
- Singh H K
see Giri Rajiv 523
- Singh Nirbhay
Effect of stress ratio and frequency on fatigue crack growth rate of 2618 aluminium alloy silicon carbide metal matrix composite 169
- Sinha Amit
Development of calcium phosphate based bioceramics 653
- Sinha P K
see Parhi P K 143
- Sirdeshmukh D B
Systematic hardness measurements on some rare earth garnet crystals 469
- Sirdeshmukh L
see Sirdeshmukh D B 469
- Solanki G K
see Dholakia Dhairya A 291
- Somayajulu D R S
Mössbauer studies of iron doped poly(methyl methacrylate) before and after ion beam modification 397
- Soni R K
see Tripathy S 285
- Sorensen B F
Fracture resistance of 8 mol% yttria stabilized zirconia 111
- Srinivas S Vijay
A sensitive magnetic field sensor using BPSCCO thick film 385
- Srivastava A K
see Virk H S 529
- Srivastava Meenakshi
see Radhakrishnan J K 659
- Srivastava O N
see Khare Varsha 257
see Giri Rajiv 523
see Asthana Anjana 595
- Subbarao S
see Krishnarao R V 273
- Subhadra K G
see Sirdeshmukh D B 469
- Subrahmanyam J
see Krishnarao R V 273
- Sunderseshu B S
see Radhakrishnan J K 659
- Surender V
see Rao K Kishan 665
- Suri D K
see Ekbote S N 603
- Suri Komilla
Phase change induced by polypyrrole in iron-oxide polypyrrole nanocomposite 563
- Suryanarayana S V
see Prasad N V 487
- see* Aparna M 497
- Tandon R P
see Suri Komilla 563
- Theivanayagam M
Lattice variation and thermal parameters of $\text{Ni}_x\text{Mg}_{1-x}\text{SO}_4 \cdot 7\text{H}_2\text{O}$ single crystals 441
- Thirunakaran R
Electrochemical behaviour of $\text{LiM}_y\text{Mn}_{2-y}\text{O}_4$ ($\text{M} = \text{Cu}, \text{Cr}; 0 \leq y \leq 0.4$) 51
- Thomas P John
see Saravanan P 515
- Tickoo Ravender
see Pandita Sanjay 435
- Tiwari M K
Analysis of stainless steel samples by energy dispersive X-ray fluorescence (EDXRF) spectrometry 633
- Tiwari R S
see Khare Varsha 257
see Giri Rajiv 523
- Tripathi A
see Jain Rohit 27
- Tripathy S
Optical properties of nano-silicon 285
- Tyagi Pankaj
Grain size dependent optical band gap of CdI_2 films 297
- Udayashankar N K
Growth and characterization of indium antimonide and gallium antimonide crystals 445
- Vaidya S N
see Sinha Amit 653
- Varma M R
Cellular automaton simulation of microstructure evolution during austenite decomposition under continuous cooling conditions 305
- Vedeshwar A G
see Tyagi Pankaj 297
- Veeraiah N
see Reddy M Rami 63
see Durga D K 421
- Venkataraman A
A new combustion route to $\beta\text{-Fe}_2\text{O}_3$ synthesis 617
- Verenkar V M S
see Rane K S 39, 323, 331
- Verma B B
Study of fatigue behaviour of 7475 aluminium alloy 231
- Vijh Ashok K
Battery effect in 'electric current arising from unpolarized polyvinyl formal' 407
- Virk H S
Physical and chemical response of 70 MeV carbon ion irradiated Kapton-H polymer 529
- Warrier K G K
Densification and mechanical properties of mullite-SiC nanocomposites synthesized through sol-gel coated precursors 191

