

AUTHOR INDEX

- Abd El-Wahed M G
Spectroscopic, thermal and biological studies of coordination compounds of sulfasalazine drug: Mn(II), Hg(II), Cr(III), ZrO(II), VO(II) and Y(III) transition metal complexes 205
- Abid Said
Cracking cone fracture after cold compaction of argillaceous particles 607
- Agrawal Shweta
Swift heavy ion irradiation effect on Cu-doped CdS nanocrystals embedded in PMMA 569
- Alemu Hailemichael
see Narayan Himanshu 499
- Anantharamulu N
Preparation and characterization studies on metaborates, $\text{Cu}_{1-x}\text{M}_x\text{B}_2\text{O}_4$ (M = Ni, Co and Mn; $x = 0, 0.1$ and 0.5) 421
- Anavekar R V
see Patil Shantala D 597
- Angappane S
ZnO(101) films by pulsed reactive crossed-beam laser ablation 253
- Anjaneyulu Ch
see Anantharamulu N 421
- Arunbabu Dhamodaran
Synthesis of crosslinked poly(styrene-co-divinylbenzene-co-sulfopropyl methacrylate) nanoparticles by emulsion polymerization: Tuning the particle size and surface charge density 633
- Bai Jie
Bicomponent AgCl/PVP nanofibre fabricated by electrospinning with gel-sol method 161
see Wang Shugang 487
- Balakrishnan A
Effect of high thermal expansion glass infiltration on mechanical properties of alumina-zirconia composite 393
see Sanosh K P 465
- Baligheid R G
Effect of cerium and thermomechanical processing on microstructure and mechanical properties of Fe-10.5Al-0.8C alloy 531
- Bandyopadhyay A K
see Pal Soumen 169
- Bandyopadhyay N R
see Datta J 643
- Banerjee S
see Kumari Kamlesh 563
- Bardakhanov S P
see Temuujin J 543
- Bari R H
Structural, optical and electrical properties of chemically deposited copper selenide films 37
- Basu D
see Das S 1
- Bellakki Manjunath B
see Shivakumara C 443
- Bhattacharya A K
see Kumar Prashant 263
- Bhattacharya S
3d Transition metal decorated B-C-N composite nanostructures for efficient hydrogen storage: A first-principles study 353
- Bhattacharyya D
X-ray absorption spectroscopy of PbMoO_4 single crystals 103
- Bhaumik S K
see Saikrishna C N 343
- Bhushan S
see Singh R S 125
- Bian Xiao-Bing
see Qiu Zhong-Cheng 193
- Blesa J Saniger
see Marrero J Costa 381
- Bose Anindita
Metal-semiconductor nanojunctions and their rectification characteristics 227
- Bouaziz Mohammed
see Abid Said 607
- Caignaert V
see Raveau B 305
- Calderón-Pinār F
see Marrero J Costa 381
- Cao Fangqi
see Fan Jinchun 521
- Chakravorty Dipankar
see Bose Anindita 227
- Chandra Ramesh
see Chawla Vipin 117
- Chang-Lai Yuan
see Chang-Rong Zhou 99
- Chang-Rong Zhou
Effect of substitution of titanium by magnesium and niobium on structure and piezoelectric properties in $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3$ ceramics 99
- Chatterjee Kuntal
see Bose Anindita 227
- Chatterjee M
see Naskar M K 537
- Chaudhuri Ayan Roy
see Saranya D 259
- Chawda Mukesh
see Pratap Arun 527
- Chawla Vipin
Microstructural characteristics and mechanical properties of magnetron sputtered nanocrystalline TiN films on glass substrate 117
- Chen Zhiping
see Yang Xiaofeng 375
- Chen Jie
see Fan Jinchun 521
- Chini T K
see Kumari Kamlesh 563
- Cho Seong-Jai
see Balakrishnan A 393
see Sanosh K P 465

- Choudhury N
Structural characterization of lead sulfide thin films by means of X-ray line profile analysis 43
- Chowdari B V R
see Sharma Yogesh 295
- Chu Min-Cheol
see Balakrishnan A 393
see Sanosh K P 465
- Cui Yan
High rate performance of LiFePO_4 cathode materials co-doped with C and Ti^{4+} by microwave synthesis 579
- Dabhade Vikram V
Effect of external energy on atomic, crystalline and powder characteristics of antimony and bismuth powders 471
- Daojun Nie
see Xiaopan Liu 549
- Das A K
see Kukreja L M 247
- Das G P
see Bhattacharya S 353
- Das Kalobaran
Study of variation of thermal diffusivity of advanced composite materials of E-glass fibre reinforced plastic (GFRP) in temperature range 5–300 K 89
- Das S
Prospects of microwave processing: An overview 1
see Datta J 643
- Dass S
see Gupta Monika 23
- Datta J
A comprehensive study on the effect of Ru addition to Pt electrodes for direct ethanol fuel cell 643
- Datta Siddhartha
see Das Kalobaran 89
- Datta S
see Das S 1
- Deka M
Ionic transport in P(VdF–HFP)–PEO based novel microporous polymer electrolytes 627
- Desai Rucha
see Iyer Rajesh 141
- Deshpande V K
see Gedam R S 83
- Devi V Rama
see Anantharamulu N 421
- Dey Sandip
see Ghavale Ninad 15
- Dugersuren G
see Temuujin J 543
- Ebadzadeh Tooraj
see Razavi Mansour 155
- El-Hallag I S
Electrochemical and SEM properties of Co^{2+} ion in hexagonal mesophase of pluronic lyotropic liquid crystal template 555
- El-Megharbel S M
see Abd El-Wahed M G 205
- Fangli Yu
Effects of talc and clay addition on pressureless sintering of porous Si_3N_4 ceramics 177
- Fan Jinchun
Preparation of dual-sensitive graft copolymer hydrogel based on N-maleoyl-chitosan and poly (N-isopropyl-acrylamide) by electron beam radiation 521
- Ganesan V
see Bari R H 37
- Ganguli Ashok K
see Menaka 231
- Garud S L
Study of gel grown mixed crystals of $\text{Ba}_x\text{Ca}_{(1-x)}(\text{IO}_3)_4$ 187
- Gedam R S
Enhancement in electrical conductivity of $\text{Li}_2\text{O}:\text{B}_2\text{O}_3:\text{V}_2\text{O}_5$ glasses 83
- Ghanti Epsita
see Tyagi Neetu 583
- Ghavale Ninad
2-Methoxycycloocta-1,5-dienyl platinum complexes as precursors for platinum nanoparticles 15
- Godkhindi M M
see Khanra A K 401
- Gogoi Nayanmoni
Murugavel Ramaswamy 321
- Goswami M
see Shah K V 329
- Guo Ruisong
see Cui Yan 579
- Gupta Nikesh
see Tyagi Neetu 583
- Gupta Sapna
see Jacob K T 611
- Gupta Monika
Preparation and characterization of nanostructured ZnO thin films for photoelectrochemical splitting of water 23
- Han Hongli
see Yang Xiaofeng 375
- Harsh
see Joshi B 31
- Hazarika Mousumi
see Arunbabu Dhamodaran 633
- He Peigang
see Lin Tiesong 77
- Islam T
see Joshi B 31
- Islam S S
see Joshi B 31
- Iyer Rajesh
Low temperature synthesis of nanosized $\text{Mn}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ ferrites and their characterizations 141
- Jacob K T
Compatibility of RuO_2 electrodes with PZT ceramics 313
Phase diagram of the system Ca–Ti–O at 1200 K 611
- Jacob C
see Sengupta J 135
see Panda S K 493

- Jadhav K M
see Raghavender A T
- Jain Vimal K
see Ghavale Ninad
- Jali V M
see Patil Shantala D
- Jana Tushar
see Sankar R Murali
see Arunbabu Dhamodaran
- Jayaganthan R
see Chawla Vipin
- Jha S N
see Bhattacharyya D
- Jia Dechang
see Lin Tiesong
- Jianfeng Yang
see Fangli Yu
- Jin Wanqin
see Zhou Wei
- Jiqiang Gao
see Fangli Yu
- Joshi B
 Wavelength dependent laser-induced etching of Cr–O doped GaAs: Morphology studies by SEM and AFM 31
- Jun Du
see Fangli Yu 177
- Kamaruzzaman S M
see Das Kalobaran 89
- Karakulak Erdem
see Zeren Muzaffer 617
- Kashyap K T
 Discontinuous precipitation in copper base alloys 413
- Kazeminezhad Mohsen
 Modeling nano-scale grain growth of intermetallics 19
- Khanra A K
 Application of new tool material for electrical discharge machining (EDM) 401
- Khaple Shivkumar
see Baligheid R G 531
- Kim T N
see Balakrishnan A 393
see Sanosh K P 465
- Kothiyal G P
see Shah K V 329
- Krishna Ghanashyam M
see Kumar Prashant 263
- Krupanidhi S B
see Saranya D 259
- Ksibi Hatem
see Abid Said 607
- Kukreja L M
 Studies on nonvolatile resistance memory switching in ZnO thin films 247
- Kulkarni G U
see Angappane S 253
- Kumar A
see Deka M 627
- Kumar Mukesh
 Estimation of scattering from a moist rough surface with spheroidal dust particles 459
- Kumar Santhosh A
see Varughese George 621
- Kumar Sumit
see Agrawal Shweta 569
- Kumar M S R Niranjana
 Effect of ellipse orientation on the thermoplastic behaviour of skew laminated composite plate with elliptical cutout 59
- Kumar B Vijaya
see Anantharamulu N 421
- Kumar Prashant
 Effect of microstructural evolution on magnetic properties of Ni thin films 263
- Kumar P Praveen
 Growth and characterization of pure and doped NLO L-arginine acetate single crystals 431
- Kumari Kamlesh
 Preparation of diamond like carbon thin film on stainless steel and its SEM characterization 563
- Kumari Vinita
see Joshi B 31
- Kundu D
see Naskar M K 537
- Lakshminarasappa B N
see Nagabhushana K R 515
- Lalla N P
see Tyagi Neetu 583
- Liang Defu
see Lin Tiesong 77
- Liang Xue-Song
see Li Yu-Feng 149
- Lin Tiesong
 Effects of fibre content on mechanical properties and fracture behaviour of short carbon fibre reinforced geopolymer matrix composites 65
- Lin Han
see Fan Jinchun 521
- Li J
 Nano-tribological characteristics of TiO₂ films on 3-mercaptopropyl trimethoxysilane sulfonated self-assembled monolayer 481
- Li Qiaoling
see Yang Xiaofeng 375
- Liu Peng
see Qiu Zhong-Cheng 193
- Liu Zhan-guo
 Heat capacity measurements on Yb_xGd_{2-x}Zr₂O₇ ($x = 0, 1, 2$) ceramics by differential scanning calorimetry 603
- Li Yaoxian
see Bai Jie 161
see Wang Shugang 487
- Li Yu-Feng
 Synthesis and characterization of nano-sized Ba_xSr_{1-x}SO₄ ($0 \leq x \leq 1$) solid solution by a simple surfactant-free aqueous solution route 149
- Lofland Samuel E
see Menaka 231
- Long Wan
see Xiaopan Liu 549
- Louis Godfrey
see Varughese George 621

- Macheli Lebohang
see Narayan Himanshu 499
- Madhavan J
see Kumar P Praveen 431
- Madras Giridhar
see Sahoo Prangya Parimita 337
- Mahajan N K
see Garud S L 187
- Majumder C
see Bhattacharya S 353
- Manikandan S
see Shah K V 329
- Manivannan V
see Kumar P Praveen 431
- Marrero J Costa
Effect of sintering condition on properties of Cr-doped $\text{Pb}_{0.95}\text{Sr}_{0.05}(\text{Zr}_{0.53}\text{Ti}_{0.47})\text{O}_3$ ceramics 381
- Mavi H S
see Joshi B 31
- Meera K Seeni
see Sankar R Murali 507
- Menaka
Magnetic and photocatalytic properties of nanocrystalline ZnMn_2O_4 231
- Midya Tapas Ranjan
see Das Kalobaran 89
- Minjigmaa A
see Temuujin J 543
- Misra P
see Kukreja L M 247
- Mukherjee S
see Pal Soumen 169
- Mukhopadhyay Prantik
Recrystallization microstructure modelling from superimposed deformed microstructure on microstructure model 415
- Mukhopadhyay A K
see Das S 1
- Murthy V Bala Krishna
see Kumar M S R Niranjana 59
- Murugavel Ramaswamy
Structural variations in layered alkaline earth metal cyclohexyl phosphonates 321
- Nagabhushana K R
Photoluminescence and Raman studies in swift heavy ion irradiated polycrystalline aluminum oxide 515
- Nagabhushanam M
Growth, characterization and transport properties of $\text{Pb}_x\text{Zn}_{1-x}\text{S}$ mixed crystals 109
- Nagabhushan E
see Nagabhushanam M 109
- Nagarajan Rajamani
see Tyagi Neetu 583
- Naik Somsankar
see Arunbabu Dhamodaran 633
- Narayan Himanshu
Role of particle size in visible light photocatalysis of Congo Red using $\text{TiO}_2/[\text{ZnFe}_2\text{O}_4]_x$ nanocomposites 499
- Naskar M K
Silicalite-1 zeolite membranes on unmodified and modified surfaces of ceramic supports: A comparative study 537
- Nomoev A V
see Temuujin J 543
- Ouyang Jia-Hu
see Li Yu-Feng 149
see Liu Zhan-guo 603
- Pal P G
see Pal Soumen 169
- Pal Soumen
Sintering behaviour of spinel–alumina composites 169
- Panda S K
see Sengupta J 135
Catalytic synthesis of ZnO nanorods on patterned silicon water—An optimum material for gas sensor 493
- Pandey Dhananjai
Structure, synthesis and multiferroic nature of BiFeO_3 and $0.9\text{BiFeO}_3-0.1\text{BaTiO}_3$: An overview 361
- Panigrahi B B
see Balakrishnan A 393
- Parui Jayanta
see Saranya D 259
- Patel Kinnary
see Pratap Arun 527
- Pathak L C
see Khanra A K 401
- Patil L A
see Bari R H 37
- Patil Shantala D
Elastic properties of $\text{Na}_2\text{O}-\text{ZnO}-\text{ZnF}_2-\text{B}_2\text{O}_3$ oxyfluoride glasses 597
- Patil Sandip
see Sharma Chandra S 239
- Philip J
see Varughese George 621
- Pitchumani S
see Sahu A K 285
- Poswal A K
see Bhattacharyya D 103
- Potadar S
see Bari R H 37
- Prabhu S Allam
see Saikrishna C N 343
- Prakash D Jaya
see Nagabhushanam M 109
- Pralong V
see Raveau B 305
- Pratap Arun
Kinetics of crystallization of a Fe-based multicomponent amorphous alloy 527
- Qamar Mohammed
see Menaka 231
- Qiu Zhong-Cheng
Hydrothermal synthesis of $\text{Pb}(\text{Zr}_{0.52}\text{Ti}_{0.48})\text{O}_3$ powders at low temperature and low alkaline concentration 193
- Raghavender A T
Dielectric properties of Al-substituted Co ferrite nanoparticles 575

- Rahimipour Mohammad Reza
see Razavi Mansour 155
- Raj Baldev
 Materials science research for sodium cooled fast reactors 271
- Rajam B
see Nagabhushanam M 109
- Rajendran K V
see Sridevi D 165
- Rajitha G
see Jacob K T 313
- Ramaiah K V
see Saikrishna C N 343
- Ramanujachary Kandalam V
see Menaka 231
- Ran Ran
see Zhou Wei 407
- Rao K M
see Kumar M S R Niranjana 59
- Rao G V Subba
see Sharma Yogesh 295
- Rao T K Gundu
see Narayan Himanshu 499
- Rao T Lilly Shanker
see Pratap Arun 527
- Raveau B
 Ordered oxygen deficient '112' perovskites, $\text{LnBaCo}_2\text{O}_{5.50+\delta}$: complex magnetism and transport properties 305
- Ray N R
see Kumari Kamlesh 563
- Razavi Mansour
 Syntheses of Fe-TiC nanocomposite from ilmenite concentrate via microwave heating 155
- Refat M S
see Abd El-Wahed M G 205
- Riessen A Van
see Temuujin J 543
- Rout S K
see Sinha E 65
- Row T N Guru
see Sahoo Prangya Parimita 337
- Sabharwal S C
see Bhattacharyya D 103
- Sagararaj P
see Kumar P Praveen 431
- Saha Subhadeep
see Sankar R Murali 507
- Sahoo Prangya Parimita
 Synthesis, structure and photocatalytic properties of β - ZrMo_2O_8 337
- Sahu A K
 Nafion and modified-Nafion membranes for polymer electrolyte fuel cells: An overview 285
- Saikrishna C N
 On stability of NiTi wire during thermo-mechanical cycling 343
- Saji V S
see Jacob K T 313
- Samaddar B N
see Pal Soumen 169
- Sangeeta
see Bhattacharyya D 103
- Sankar R Murali
 Functionalization of hydroxyl terminated polybutadiene with biologically active fluorescent molecule 507
- Sanosh K P
see Balakrishnan A 393
- Preparation and characterization of nano-hydroxyapatite powder using sol-gel technique 465
- Saraf K B
see Garud S L 187
- Saranya D
 Electrocaloric effect of PMN-PT thin films near morphotropic phase boundary 259
- Sarcar M M M
see Kumar M S R Niranjana 59
- Sarma B K
see Choudhury N 43
- Sarma Ranjan
see Sarmah Kangkan 369
- Sarmah Kangkan
 Mobility activation in thermally deposited CdSe thin films 369
- Sarojini T
see Anantharamulu N 421
- Satsangi V R
see Gupta Monika 23
- Saurabh Suman
see Sharma Chandra S 239
- Seikh Md Motin
see Raveau B 305
- Sekota Mantoa
see Narayan Himanshu 499
- Selvi N R
see Angappane S 253
- Sengupta J
 Carbon nanotube synthesis from propane decomposition on a pre-treated Ni overlayer 135
- Shah K V
 Surface degradation behaviour of sodium borophosphate glass in aqueous media: some studies 329
- Shao Zongping
see Zhou Wei 407
- Sharma S S
see Agrawal Shweta 569
- Sharma Vidhika
see Gupta Monika 23
- Sharma N
see Sharma Yogesh 295
- Sharma Ashutosh
see Sharma Chandra S 239
- Sharma Chandra S
 Resorcinol-formaldehyde based carbon nanospheres by electrospinning 239
- Sharma Yogesh
 Li-storage and cycling properties of spinel, CdFe_2O_4 , as an anode for lithium ion batteries 295
- Sheng X H
see Li J 481
- Sheng Jiawei
see Wang Jinhao 183

- Shivakumara C
 Synthesis, structural and ferromagnetic properties of $\text{La}_{1-x}\text{K}_x\text{MnO}_3$ ($0.0 \leq x \leq 0.25$) phases by solution combustion method 443
- Shrikhande V K
see Shah K V 329
- Shrivastav Rohit
see Gupta Monika 23
- Shrivastava Jaya
see Gupta Monika 23
- Shukla A K
see Joshi B 31
see Sahu A K 285
- Singha A S
 Fabrication and characterization of *S. cilliare* fibre reinforced polymer composites 49
- Singh A P
see Gupta Monika 23
- Singh Anar
see Pandey Dhananjai 361
- Singh S
see Datta J 643
- Singh Fouran
see Nagabhushana K R 515
- Singh R S
 Structural and optical properties of chemically deposited Cd(S-Se): CdCl₂, Sm films 125
- Singh M
see Agrawal Shweta 569
- Sinha E
 Influence of fibre-surface treatment on structural, thermal and mechanical properties of jute fibre and its composite 65
- Solanki Anjana
see Gupta Monika 23
- Song Yan
see Wang Shugang 487
- Sridevi D
 Synthesis and optical characteristics of ZnO nanocrystals 165
- Sridhar P
see Sahu A K 285
- Srivastava Deepak
see Tripathi Garima 199
- Srivastava Subodh
see Agrawal Shweta 569
- Suárez-Gómez A
see Marrero J Costa 381
- Sumithra S
see Sahoo Prangya Parimita 337
- Sun Lei
see Bai Jie 161
- Tallapragada Rama Mohan R
see Dabhade Vikram V 471
- Temuujin J
 Preparation of copper and silicon/copper powders by a gas evaporation-condensation method 543
- Tewari R
see Ghavale Ninad 15
- Thakur Vijay Kumar
see Singha A S 49
- Thakurdesai Madhavi
see Narayan Himanshu 499
- Tousi Seyed Salman Razavi
see Razavi Mansour 155
- Tripathi B
see Agrawal Shweta 569
- Tripathi Garima
 Studies on blends of cycloaliphatic epoxy resin with varying concentrations of carboxyl terminated butadiene acrylonitrile copolymer I: Thermal and morphological properties 199
- Trivedi Mahendra Kumar
see Dabhade Vikram V 471
- Tyagi Neetu
 Synthesis of nanocrystalline mixed metal fluorides in nonaqueous medium 583
- Ünlü Bekir Sadik
 Investigation of tribological and mechanical properties of metal bearings 451
- Upadhyay R V
see Iyer Rajesh 141
- Vaish Rahul
 Influence of seeding on crystallization behaviour of BaNaB₉O₁₅ glasses 93
- Varma K B R
see Vaish Rahul 93
- Varughese George
 Anisotropy in elastic properties of lithium sodium sulphate hexahydrate single crystal—An ultrasonic study 621
- Venkataraman R
see Sharma Chandra S 239
- Verma B B
 Continuous jute fibre reinforced laminated paper composite and reinforcement-fibre free copper laminate 589
- Vijay Y K
see Agrawal Shweta 569
- Vithal M
see Anantharamulu N 421
- Wang Jinhao
 Growth of Nd³⁺ doped LiNbO₃ crystals using Bridgman method and its spectral properties 183
- Wang Miao
see Cui Yan 579
- Wang Meirong
see Lin Tiesong 77
- Wang Shugang
 Characterization and photoluminescence studies of CdTe nanoparticles before and after transfer from liquid phase to polystyrene 487
- Wei-Zhou Li
see Chang-Rong Zhou 99
- Xia Haiping
see Wang Jinhao 183
- Xiaopan Liu
 High-temperature oxidation behaviour of Ti₃Si_(1-x)Al_xC₂ in air 549
- Xin-Yu Liu
see Chang-Rong Zhou 99

- Yadaiah K
see Nagabhushanam M
- Yakhmi J Y
 Molecule-based magnets 217
- Yang Liming
see Fan Jinchun 521
- Yang Qingbiao
see Bai Jie 161
see Wang Shugang 487
- Yang Xiaofeng
 Fabrication and thermal stability studies of polyamide 66 66
 containing triaryl phosphine oxide 375
- Yaohui Xue
see Fangli Yu 177
- You Yuan
 Radiation from a current sheet at the interface between a
 conventional medium and anisotropic negative refractive
 medium 437
- Yuan Lu
see Fangli Yu 177
- Zaikovskii V I
see Temujin J 543
- Zeren Muzaffer
 Study on hardness and microstructural characteristics of sand
 cast Al–Si–Cu alloys 617
- Zhang Yueping
see Wang Jinhao 183
- Zhang Chaoqun
see Bai Jie 161
see Wang Shugang 487
- Zhong Ji-Yong
see Li Yu-Feng 149
- Zhongheng Bu
see Xiaopan Liu 549
- Zhou Jian-Ping
see Qiu Zhong-Cheng 193
- Zhou Yu
see Liu Zhan-guo 603
- Zhou Wei
In situ templating synthesis of conic $\text{Ba}_{0.5}\text{Sr}_{0.5}\text{Co}_{0.8}\text{Fe}_{0.2}\text{O}_{3-\delta}$
 perovskite at elevated temperature 407
- Zhou Yu
see Li Yu-Feng 149
- Zhu Gangqiang
see Qiu Zhong-Cheng 193