

AUTHOR INDEX

- | | |
|---|---|
| <p>Abrahamsen A B
 <i>see</i> Eskildsen M R 903</p> <p>Agnihotri Vikrant
 <i>see</i> Gupta Amita 1051</p> <p>Ail Ujwala
 Effect of swift heavy ion irradiation on surface resistance of $\text{DyBa}_2\text{Cu}_3\text{O}_{7-\delta}$ thin films at microwave frequencies 959</p> <p>Ajay
 <i>see</i> Govind 861</p> <p>Åkerman Johan J
 Low-field vortex dynamics in various high-T_c thin films 985</p> <p>Ali A
 Ultrasonic study of molecular interaction in binary liquid mixtures at 30°C 695</p> <p>Alleno E
 <i>see</i> Dhar S K 885</p> <p>Amrute K V
 Modification of magnetic anisotropy in metallic glasses using high-energy ion beam irradiation 1093</p> <p>Andersen N H
 <i>see</i> Eskildsen M R 903</p> <p>Angappane S
 Electrical transport in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ thin films at low temperatures 1079</p> <p>Aoki H
 <i>see</i> Gegenwart P 715</p> <p>Apte P R
 <i>see</i> Pai S P 1147</p> <p>Arunachalam N
 <i>see</i> Ilangoan K 489</p> <p>Aswal D K
 <i>see</i> Bhide M K 799
 <i>see</i> Sen Shashwati 867
 <i>see</i> Singh Ajay 1065
 <i>see</i> Shah K 1085</p> <p>Awana V P S
 Comment on magnetism and superconductivity in rutheno cuprates: $\text{RuSr}_2\text{GdCu}_2\text{O}_8$ and $\text{RuSr}_2\text{Gd}_{1.5}\text{Ce}_{0.5}\text{Cu}_2\text{O}_{10}$ 809</p> <p>Babu Y
 <i>see</i> Kumar Mithlesh 101</p> <p>Bagwe V C
 <i>see</i> Bhangale A R 955</p> | <p>Balakrishnan G
 <i>see</i> Tomy C V 925
 <i>see</i> Sarkar S 979
 <i>see</i> Pattabiraman M 1013</p> <p>Balamurugan S
 Magnetization study of mercurocuprate (Hg, Re)$\text{Sr}_2\text{CuO}_{4+\delta}$ 839</p> <p>Balaya P
 <i>see</i> Rajarajan A K 787</p> <p>Bali Raj
 Tilted Bianchi type I dust fluid cosmological model in general relativity 457</p> <p>Bancroft N J
 Magnetism and superconductivity in $\text{ErNi}_2\text{B}_2\text{C}$ 907</p> <p>Bando H
 <i>see</i> Nishihara Y 737</p> <p>Bandyopadhyay Ranjini
 Rheology of semi-dilute solutions of calf-thymus DNA 685</p> <p>Banerjee S S
 <i>see</i> Soibel A 893
 <i>see</i> Tomy C V 925</p> <p>Banerjee T
 <i>see</i> Bhangale A R 955
 <i>see</i> Pai S P 1147</p> <p>Banerjee Tamalika
 Peak effect at microwave frequencies in swift heavy ion irradiated $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ thin films 949
 <i>see</i> Ail Ujwala 959</p> <p>Barma Mustansir
 Locating the minimum: Approach to equilibrium in a disordered, symmetric zero range process 409</p> <p>Basa D K
 Studies on the valence electronic structure of Fe and Ni in $\text{Fe}_x\text{Ni}_{1-x}$ alloys 783</p> <p>Baskaran G
 All basic condensed matter physics phenomena and notions mirror in biology – A hypothesis, two examples and a novel prediction 427</p> <p>Baskaran R
 <i>see</i> Janawadkar M P 1159</p> <p>Bauer E
 <i>see</i> Majumdar Subham 777
 <i>see</i> Seuring C 731</p> |
|---|---|

- Baughman R H
see Gupta Amita 1051
- Belova L M
see Gupta Amita 1051
- Bhagwat S S
see Bhangale A R 955
- Bhangale A R
 Peak effect in surface resistance at microwave frequencies in Dy-123 thin films 955
see Ail Ujwala 959
- Bhangale Avinash
see Banerjee Tamalika 949
- Bhat M V
see Shah Rajesh C 545
- Bhat S V
see Joshi Janhavi P 361
- Bhatia S N
 Fluctuation conductivity in cuprate superconductors 817
 Effect of doping Ca on polaron hopping in $\text{LaSr}_2\text{Mn}_2\text{O}_7$ 1061
- Bhatt R N
 Mesoscopic effects in the quantum Hall regime 271
- Bhattacharjee Anindita
 Photodissociation of NaH using time-dependent Fourier grid method 569
- Bhattacharya S
see Tomy C V 925
- Bhide M K
 Microwave absorption studies of MgB_2 superconductor 799
- Bishop D J
see Eskildsen M R 903
- Brando M
see Majumdar Subham 777
- Bruno P
see Pareek T P 293
- Budhani R C
see Sahoo Leena K 965
see Senapati K 971
see Pandey Navneet K 1075
- Buttiker M
 Charge densities and charge noise in mesoscopic conductors 241
- Canfield P C
see Eskildsen M R 903
- Carbone C
see Maiti K 725
- Cerezo A
see Petford-Long A K 1125
- Chakrabarti K
 Schwinger variational calculation of ionization of hydrogen atoms for large momentum transfers 529
- Chakrabarti Subhendu
 Korteweg–de Vries hierarchy using the method of base equations 443
- Chakraborty Subenoy
 Quantum cosmology in Ashtekar variables with non-minimally coupled scalar–tensor theory 1
see Rahaman Farook 113, 121
- Chakravorty Keka
see Rayaprol S 877
- Chandrasekhar Rao T V
see Sen Shashwati 867
- Charalambous D
see Forgan E M 899
- Chaudhari S C
see Mahajan R P 1115
- Chaudhuri S
 On the generation techniques of axially symmetric stationary metrics 449
 One-soliton solutions from Laplace’s seed 465
- Chinchure A D
see Dhar S K 885
- Choi Kwang-Yong
see Pattabiraman M 1013
- Choudhary R J
see Husain Shahid 1045
- Choudhury D K
 A solution of the DGLAP equation for gluon at low x 599
- Choyal Y
see Gokhale Arti 67
- Cichorek T
see Gegenwart P 715
see Fuchs G 791
- Cubitt R
see Bancroft N J 907
- Custers J
see Gegenwart P 715
- Dallmeyer
see Maiti K 725
- Das K C
see Chaudhuri S 465
- Das R K
 Semileptonic ($\Lambda_b \rightarrow \Lambda_c$ e ν) decay in a field theoretic quark model 551

- Das V G
see Kataria N D 1203
- Dasgupta D
see Pal D 937
- Dastidar Krishna Rai
see Bhattacharjee Anindita 569
- Daya K S
see Kataria N D 1203
- Deo N
 Parity effects in eigenvalue correlators, parametric and crossover correlators in random matrix models: Application to mesoscopic systems 217
- Deo P Singha
 Electron correlation effects in the presence of non-symmetry dictated nodes 195
- Dewhurst C D
see Levett S J 913
see Bancroft N J 907
- Dhar Deepak
 Percolation systems away from the critical point 419
- Dhar S K
 Possible coexistence of superconductivity and magnetic order in $\text{NdPt}_2\text{B}_2\text{C}$ 885
- Dhobale A R
see Kumar Mithlesh 101
- Dole B N
see Kothawale R R 871
- Dorr K
see Raychaudhuri P 1179
- Drechsler S-L
see Fuchs G 791
- Eskildsen M R
 Flux line lattice symmetries in the borocarbide superconductor $\text{LuNi}_2\text{B}_2\text{C}$ 903
- Forgan E M
 The microscopic investigation of structures of moving flux lines by neutron and muon techniques 899
- Freudenberger J
see Fuchs G 791
- Fuchs G
 Influence of disorder on superconductivity in non-magnetic rare-earth nickel borocarbides 791
- Gaitonde D M
see Gupta T 889
- Gajjar P N
see Vora A M 849
- Gammel P L
see Eskildsen M R 903
- Ganapathy R
 Cross-phase modulational instability in an elliptical birefringent fiber with higher order nonlinearity and dispersion 669
- Ganin Alexei Yu
see Gupta Amita 1051
- Geethakumary T
see Nirmala R 1101
- Gegenwart P
 Magnetotransport of the low-carrier density one-dimensional $s = 1/2$ antiferromagnet Yb_4As_3 715
see Fuchs G 791
- George Jogy
see Mukhopadhyay Pranab K 59, 657
- Ghatak S K
see Reddy G Gangadhar 773
- Ghosh Arindam
see Raychaudhuri A K 343
- Gireesan K
see Janawadkar M P 1159
- Gladun A
see Fuchs G 791
- Godart C
see Dhar S K 885
- Godwal B K
see Modak P 881
- Goel S K
see Singh R K 623
- Gokhale Arti
 Numerical investigation of space charge electric field for a sheet electron beam between two conducting planes 67
- Gopalakrishnan I K
see Balamurugan S 839
- Govind
see Pratap Amit 855
 Condensation energy of the superconducting bilayer cuprates 861
- Gowda Ramakrishna
see Yashoda T 31
- Gowda Shivalinge
see Yashoda T 31
- Grover A K
see Tomy C V 925
see Pal D 937
see Tulapurkar A A 975
see Sarkar S 979
- Guentherodt G
see Pattabiraman M 1013

- Gupta A K
see Khare Neeraj 1165
- Gupta Amita
 Synthetic magnetic opals 1051
- Gupta L C
see Sen Shashwati 867
see Dhar S K 885
see Singh Ajay 1065
see Shah K 1085
- Gupta P K
see Mukhopadhyay Pranab K 59
- Gupta S K
see Bhide M K 799
see Sen Shashwati 867
see Singh Ajay 1065
see Shah K 1085
- Gupta T
 Ultrasonic attenuation in cuprate superconductors 889
- Hariharan Y
see Nirmala R 1101
see Janawadkar M P 1159
- Harishkumar N
see Janawadkar M P 1159
- Heinrichs J
 Theory of non-hermitian localization in one dimension: Localization length and eigen-energies 155
- Hemberger J
see Majumdar Subham 777
- Higgins M J
see Tomy C V 925
- Hippler R
see Singh R K 499, 623
- Husain Shahid
 Study of structural and electronic transport properties of Ce-doped LaMnO_3 1045
- Ilangovan K
 High spin properties of ^{124}Ba 489
- Ishikawa T
see Krishnamurthy V V 761
- Iyengar A N S
see Lahiri S 79
- Jaime M
see Gegenwart P 715
- Jain Kavita
see Barma Mustansir 409
- Jani A R
see Vora A M 849
- Janawadkar M P
 SQUID based measuring systems 1159
- Jayannavar A M
 Effect of quantum entanglement on Aharonov–Bohm oscillations, spin-polarized transport and current magnification effect 173
- Jayapandian J
see Janwadkar M P 1159
- Jeitschko W
see Niazi Asad 1069
- John J
see Bhangale A R 955
see Kundaliya Darshan C 1089
- Johri G K
 Theoretical study of relative width of photonic band gap for the 3-D dielectric structure 563
- Johri Manoj
see Johri G K 563
- Joseph Antony
see Santhosh K P 611
- Joshi H H
see Trivedi U N 1031
- Joshi Janhavi P
 Non-resonant microwave absorption studies of superconducting MgB_2 and $\text{MgB}_2 + \text{MgO}$ 361
- Joshi P B
see Mathe V L 1105
- Joshi S K
see Pratap Amit 855
see Govind 861
- Kadam R M
see Kumar Mithlesh 101
see Bhide M K 799
- Kalam Mehedi
see Rahaman Farook 121, 127
- Kanjilal D
see Banerjee Tamalika 949
see Ail Ujwala 959
see Sahoo Leena K 965
see Amrute K V 1093
- Kar Manoranjan
 Metal–insulator transition in electron doped $\text{Ba}_{1-x}\text{La}_x\text{MnO}_3$ compounds 1009
- Kar Swastik
see Raychaudhuri A K 343
- Karppinen M
see Awana V P S 809

- Kataria N D
Sensitivity of surface resistance measurement of HTS thin films by cavity resonator, dielectric resonator and microstrip line resonator 1171
Analysis of a shielded TE_{011} mode composite dielectric resonator for stable frequency reference 1203
- Kaur Manmeet
see Bhide M K 799
- Kaur R P
Current correlation functions of ideal Fermi gas at finite temperature 703
- Kawamura N
see Krishnamurthy V V 761
- Kawanaka H
see Nishihara Y 737
- Kealey P G
see Forgan E M 899
- Khan Shakeel
see Singh R J 843
- Khare Neeraj
Study of magnetoresistance and conductance of bicrystal grain boundary in $La_{0.67}Ba_{0.33}MnO_3$ thin film 1165
- Kobernik G
see Raychaudhuri P 1179
- Kogan Eugene
see Mello Pier A 325
- Kohara T
New aspects on URu_2Si_2 and $CeTIn_5$ ($T = Rh, Ir, Co$) observed by high pressure NMR and NQR 755
- Kothale M B
see Mathe V L 1105
see Mahajan R P 1115
- Kothari D C
see Amrute K V 1093
- Kothawale R R
Effect of substitution of Ce on superconducting properties of $Bi_{1.7}Pb_{0.3}Sr_2Ca_{2-x}Ce_xCu_3O_{10+\delta}$ system 871
- Kozlov Mikhail E
see Gupta Amita 1051
- Kravtsov V E
Time-reversal symmetry breaking by ac field: Effect of commensurability in the frequency domain 183
- Krishnamurthy V V
X-ray magnetic circular dichroism at $IrL_{2,3}$ edges in $Fe_{100-x}Ir_x$ and $Co_{100-x}Ir_x$ alloys: Magnetism of 5d electronic states 761
- Krishnaveni S
see Yashoda T 31
- Kuberkar D G
see Rayaprol S 877
see Thaker C M 1035
- Kulkarni G U
see Thomas P John 371
- Kulkarni Nilesh A
see Rayaprol S 877
- Kulkarni R G
see Rajarajan A K 787
see Kundaliya Darshan C 1041, 1089
- Kulkarni S B
see Mathe V L 1105
- Kumar Mithlesh
Non-equilibrium effects in copper vapor laser pumped Nd^{3+} doped PVA film: Photoelectron paramagnetic resonance and photoacoustic spectral investigations 101
- Kumar Ravi
see Husain Shahid 1045
- Kumara K Ganesh
see Upadhye K V 1199
- Kundaliya Darshan C
Temperature hysteretic effect and its influence on colossal magnetoresistance of $La_{0.33}Nd_{0.33}Ca_{0.33}MnO_3$ 1041
Enhanced temperature independent magnetoresistance below the metal-insulator transition temperature of epitaxial $La_{0.2}Nd_{0.4}Ca_{0.4}MnO_3$ thin films 1089
- Küpfer H
Commensurability oscillations in $NdBa_2Cu_3O_y$ single crystals 919
- Kuriakose V C
see Ganapathy R 669
- Lahiri S
Investigations of low q_a discharges in the SINP tokamak 79
- Lal Ratan
see Pratap Amit 855
- Lal Siddhartha
Transport in quantum wires 205
- Lark B S
see Singh K 521
- Larson D J
see Petford-Long A K 1125
- Lees M R
see Pattabiraman M 1013
- Lemmens P
see Pattabiraman M 1013

- Levett S J
Vortex lattice transitions in $\text{YNi}_2\text{B}_2\text{C}$ 913
- Lipp D
see Fuchs G 791
- Loidl A
see Majumdar Subham 777
- Löhneysen H v
Metals near a magnetic instability 743
- Mahajan R P
Magnetoelectric effect in cobalt ferrite–barium titanate composites and their electrical properties 1115
- Maheshwari K P
see Gokhale Arti 67
- Maiti K
Stoner vs. spin-mixing behavior in the bulk magnetism of Gd: A spin-resolved photo-emission study 725
see Rahaman Farook 113
- Majumdar Debasish
SNO results and neutrino magnetic moment solution to the solar neutrino problem L135
- Majumdar Subham
Spin-glass, antiferromagnetism and Kondo behavior in $\text{Ce}_2\text{Au}_{1-x}\text{Co}_x\text{Si}_3$ alloys 777
- Malagoli M C
see Maiti K 725
- Marchett P A
Metal-insulator crossover in high T_c cuprates: A gauge field approach 803
- Mathe V L
Preparation, structural analysis and dielectric properties of $\text{Bi}_x\text{La}_{1-x}\text{FeO}_3$ perovskite 1105
see Mahajan R P 1115
- Mavani Krushna
see Rayaprol S 877
see Thaker C M 1035
- McIntyre G
see Bancroft N J 907
- Mea M Della
see Majumdar Subham 777
- Mehta G K
see Sahoo Leena K 965
- Mello Pier A
Wave scattering through classically chaotic cavities in the presence of absorption: A maximum-entropy model 325
- Menon Reghu
see Mukherjee A K 233
- Mhatre U R
see Amrute K V 1093
- Michor H
see Majumdar Subham 777
- Misra Mukul
see Kataria N D 1171
- Mitra C
see Raychaudhuri P 1179
- Modak P
Electronic structure of MgB_2 881
- Modi K B
see Trivedi U N 1031
- Mohan Man
see Singh Narendra 639
- Mohanta R K
see Singh R K 499, 623
- Mohapatra N C
see Panda B P 91
- Moharil U P
see Khare Neeraj 1165
- Mookerjee Abhijit
Growth of rough epitaxial surfaces 399
- Morozkin A V
see Nirmala R 1101
- Mortensen K
see Eskildsen M R 903
- Mukherjee A K
Role of mesoscopic morphology in charge transport of doped polyaniline 233
- Mukhi Sunil
Star products from commutative string theory 21
- Mukhopadhyay Pranab K
Operational characteristics of dual gain single cavity Nd:YVO₄ laser 59
Effect of absorbed pump power on the quality of output beam from monolithic microchip lasers 657
- Mukhopadhyay S
see Lahiri S 79
- Muktavat Kshamata
(e , $3e$) Differential cross section of He (2^1S) and He(2^3S) 39
see Srivastava M K 647
- Müller K H
see Raychaudhuri P 1179
see Fuchs G 791
- Muthe K P
see Sen Shashwati 867
- Myasoedov Y
see Soibel A 893
- Nagarajan R
see Dhar S K 885
see Amrute K V 1093

- Nagendran R
see Janwadkar M P 1159
- Nain A K
see Ali A 695
- Narsale A M
see Pai S P 1147
- Natarajan D V
see Seetha Lakshmi L 1019
- Nathan T P S
see Mukhopadhyay Pranab K 59, 657
- Nenkov K
see Fuchs G 791
- Niazi Asad
see Tulapurkar A A 975
 The growth of single crystal of $\text{Sr}_3\text{CuIrO}_6$ and its magnetic behavior compared to polycrystals 1069
- Nigam A K
see Suresh K G 769
- Nirmala R
 Electrical transport and magnetic ordering in $R_2\text{Ti}_3\text{Ge}_4$ ($R = \text{Dy, Ho and Er}$) compounds 1101
- Nishihara Y
 Local-moment formation and metal–nonmetal transition in $\text{Ca}_{1-x}\text{Y}_x\text{VO}_3$ and $\text{Ca}_{1-x}\text{Y}_x\text{TiO}_3$ 737
- Ochiai A
see Gegenwart P 715
- Ooi S
see Soibel A 893
- Padhan Prahallad
see Pandey Navneet K 1075
- Padhi H C
see Basa D K 783
- Pai S P
see Banerjee Tamalika 949
see Bhangale A R 955
 Self-injection length in $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ – $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ ferromagnetic–superconductor multilayer thin films 1147
see Khare Neeraj 1165
see Upadhye K V 1199
- Pal D
see Tomy C V 925
 A study of the plasticity in the vortex matter across the second magnetization peak in a YBCO crystal via measurements of minor hysteresis loops 937
- Pal Dilip
see Joshi Janhavi P 361
- Pal J
see Chakrabarti Subhendu 443
- Pal R
see Lahiri S 79
- Palkar V R
 BiFeO_3 thin films: Novel effects 1003
see Shetty Shwetha 1027
- Panda A R
see Das R K 551
- Panda B P
 Strong anisotropy in the low temperature Compton profiles of electron momentum distribution in α -Ga metal 91
- Pandey Navneet K
 Percolative transport in the vicinity of charge-order ferromagnetic transition in a hole-doped manganite 1075
- Panikar J
see Gokhale Arti 67
- Paranjape S K
see Rayaprol S 877
- Pareek T P
 Spin and charge transport in the presence of spin-orbit interaction 293
- Patankar K K
see Mathe V L 1105
see Mahajan R P 1115
- Patel Minal H
see Vora A M 849
- Pathak K N
see Kaur R P 703
- Patil S A
see Mathe V L 1105
see Mahajan R P 1115
- Patil S I
see Thaker C M 1035
see Husain Shahid 1045
- Pattabi Manjunatha
 Insulator–metal transition in a conservative system: An evidence for mobility coalescence in island silver films 1141
- Pattabiraman M
 Polarized Raman scattering in single crystals of $\text{Nd}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ 1013
- Paul D M^cK
see Tomy C V 925
see Levett S J 913
see Sarkar S 979
see Pattabiraman M 1013
see Bancroft N J 907

- Paulose P L
see Niazi Asad 1069
- Pawar S H
see Shivagan D D 1183
see Shirage P M 1191
- Pawlowski F
see Basa D K 783
- Petford-Long A K
 The development of information storage materials – how microscopy can help? 1125
- Pfleiderer C
see Löhneysen H v 743
- Pichard Jean-Louis
 Two-dimensional mesoscopic Wigner crystallization and related issues 259
- Pinto R
see Banerjee Tamalika 949
see Bhangale A R 955
see Ail Ujwala 959
see Palkar V R 1003
see Shetty Shwetha 1027
see Kundaliya Darshan C 1041, 1089
see Pai S P 1147
see Khare Neeraj 1165
see Kataria N D 1171
see Raychaudhuri P 1179
see Upadhye K V 1199
- Polasik M
see Basa D K 783
- Portier X
see Petford-Long A K 1125
- Pradhan Prabhakar
 From chaos to disorder: Statistics of the eigenfunctions of microwave cavities 333
- Pratap Amit
 Spectral properties of doped bilayer cuprates at finite temperatures 855
- Purandare S C
see Pai S P 1147
see Upadhye K V 1199
- Radha S
see Suresh K G 769
- Radhakrishnan T S
see Seetha Lakshmi L 1019
see Janawadkar M P 1159
- Rahaman Farook
 Test particle trajectories near cosmic strings 113
 Higher dimensional global monopole in Brans–Dicke theory 121
 Gravitational field of spherical domain wall in higher dimension 127
- Raj S
see Basa D K 783
- Rajarajan A K
 ac Conductivity of mixed spinel $\text{NiAl}_{0.7}\text{Cr}_{0.7}\text{Fe}_{0.6}\text{O}_4$ 787
- Ram B
see Singh L P 591
- Ramachandran Hema
 Mirrorless lasers 313
- Ramakanth A
see Reddy G Gangadhar 773
- Ramakrishnan S
 Novel charge density wave transition in crystals of $\text{R}_5\text{Ir}_4\text{Si}_{10}$ 827
see Tomy C V 925
see Pal D 937
see Tulapurkar A A 975
see Sarkar S 979
- Ramakrishnan T V
 Some open problems in the physics of disordered systems 149
- Ramanadham M
see Rayaprol S 877
- Rana D S
see Rayaprol S 877
see Thaker C M 1035
- Ranganathan K
see Mukhopadhyay Pranab K 657
- Ranganathan R
 Ferrites – what is new? 995
- Rangarajan G
see Pattabiraman M 1013
see Angappane S 1079
- Rangarajan Govindan
 Invariant metric for nonlinear symplectic maps 477
- Rao C N R
see Thomas P John 371
- Rao K V
see Gupta Amita 1051
see Åkerman Johan J 985
- Rao R S
see Modak P 881
- Rao Sumathi
see Lal Siddhartha 205
- Rappaport M L
see Soibel A 893
- Rastogi A K
see Tulapurkar A A 975
- Ravi S
see Kar Manorajan 1009

- Ravikumar G
see Küpfer H 919
- Ray Anindita
see Ranganathan R 995
- Rayaprol S
 Structural studies and T_c dependence in $\text{La}_{2-x}\text{Dy}_x\text{Ca}_y\text{Ba}_2\text{Cu}_{4+y}\text{O}_z$ type mixed oxide superconductors 877
see Thaker C M 1035
- Raychaudhuri A K
 Flicker noise in degenerately doped Si single crystals near the metal–insulator transition 343
see Khare Neeraj 1165
- Raychaudhuri P
see Bhangale A R 955
 Magneto-transport properties of $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3/\text{SrTiO}_3/\text{La}_{0.7}\text{Ce}_{0.3}\text{MnO}_3$ tunnel junction 1179
- Razdan Ashok
 Scaling in the Bombay stock exchange index 537
- Reddy G Gangadhar
 Magnetic-field-induced valence transition in rare-earth systems 773
- Retzker A
 Infinite range correlations of intensity in random media 225
- Rindani Saurabh D
 QCD corrections to decay-lepton polar and azimuthal angular distributions in $e^+e^- \rightarrow t\bar{t}$ in the soft-gluon approximation 575
- Rodewald Ute Ch
see Niazi Asad 1069
- Sachdev Subir
 Quantum spin-glass transition in the two-dimensional electron gas 285
- Sachidanand Minita
see Rangarajan Govindan 477
- Saha Rita
see Janawadkar M P 1159
- Sahariah P K
see Choudhury D K 599
- Sahasrabudhe M S
see Thaker C M 1035
- Sahni V
see Sen Shashwati 867
- Sahni V C
see Bhide M K 799
see Singh Ajay 1065
see Shah K 1085
- Sahoo Leena K
 The non-linear dynamics of vortices subjected to correlated and random pinning disorders in a quasi-2D superconductor 965
- Sahoo R K
see Das R K 551
- Sampathkumaran E V
see Majumdar Subham 777
see Niazi Asad 1069
- Sankaranarayanan V
see Nirmala R 1101
- Sandhu G K
see Singh K 521
- Santhosh K P
 Exotic decay in cerium isotopes 611
- Sarangi Subhasis
see Joshi Janhavi P 361
- Saravanan P
see Thomas P John 371
- Sarkar S
 Comparison of thermomagnetic history effects in weakly pinned single crystals of $R_3\text{Rh}_4\text{Sn}_{13}$ ($R = \text{Yb}, \text{Ca}$) 979
- Sarma Bimal K
see Pal D 937
- Sastry M D
see Kumar Mithlesh 101
see Bhide M K 799
- Sastry Sankara V
see Seetha Lakshmi L 1019
- Saxena Saumya
see Johri G K 563
- Scheidt E W
see Seuring C 731
- Schröder A
see Löhneysen H v 743
- Seetha Lakshmi L
 Mn site substitution of $\text{La}_{0.6}\text{Ca}_{0.33}\text{MnO}_3$ with closed shell ions: Effect on magnetic transition temperature 1019
- Selvam P
see Balamurugan S 839
- Sen Diptiman
see Lal Siddhartha 205
- Sen Shashwati
see Bhide M K 799
- Sen Shashwati
 Preparation and characterization of MgB_2 superconductor 867
see Singh Ajay 1065

- Senapati K
Dynamics of the superconducting mixed state in $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}/\text{PrBa}_2\text{Cu}_3\text{O}_{7-\delta}$ superlattices in radio frequency regime 971
- Sethupathi K
see Angappane S 1079
see Nirmala R 1101
- Seuring C
Field and pressure response of Yb compounds close to a quantum critical point 731
- Shah K
see Singh Ajay 1065
Colossal magnetoresistance in layered man- ganite $\text{Nd}_{2-2x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ ($0 \leq x \leq 0.5$) 1085
- Shah Rajesh C
Magnetic fluid based squeeze film between porous annular curved plates with the effect of rotational inertia 545
- Shah S S
see Kothawale R R 871
- Shang P
see Petford-Long A K 1125
- Shanker R
see Singh R K 499,623
- Shapiro B
see Retzker A 225
- Sharma Keshav
see Bali Raj 457
- Sharma P K
see Singh R J 843
- Sharma Parmanand
see Gupta Amita 1051
- Sharma Rajesh
see Johri G K 563
- Sharma S K
see Mukhopadhyay Pranab K 59, 657
- Shenoy Subodh R
Tunneling of trapped-atom Bose condensates 385
- Shetty Shwetha
Size effect study in magnetoelectric BiFeO_3 system 1027
- Shirage P M
see Shivagan D D 1183
Effect of laser irradiation on C - V charac- teristics of electrodeposited $\text{Ag}/\text{Tl-2223}/\text{CdSe}$ hetero-nanostructures 1191
- Shirodkar V S
see Bhangale A R 955
- Shivagan D D
Studies on photoinduced effects in pulse- electrodeposited $\text{Ag}/\text{Hg-1212}/\text{CdSe}$ hetero- nanostructures 1183
see Shirage P M 1191
- Shivashankar G V
Mesoscopic biology 439
- Shojai Ali
see Shojai Fatimah 13
- Shojai Fatimah
Quantum Einstein's equations and constraints algebra 13
- Shulga S V
see Fuchs G 791
- Sikka S K
see Modak P 881
- Singh Ajay
see Bhide M K 799
see Sen Shashwati 867
Effect of substrate temperature on electri- cal and magnetic properties of epitaxial $\text{La}_{1-x}\text{Pb}_x\text{MnO}_3$ films 1065
see Shah K 1085
- Singh K
Molar extinction coefficients of some carbo- hydrates in aqueous solutions 521
- Singh L P
Higher dimensional supersymmetric quantum mechanics and Dirac equation 591
- Singh M J
see Singh R K 623
- Singh Narendra
Photoionization of excited states of neon-like Mg III 639
- Singh R J
EPR study of deoxygenated high-temperature superconductors 843
- Singh R K
Development of a new experimental setup for studying collisions of keV-electrons with thick and thin targets 499
Design and fabrication of a time-of-flight spectrometer for studies of multiple ionization of gases by charged particle impact 623
- Sinha S K
see Amrute K V 1093
- Soibel A
Investigating the vortex melting phenomenon in BSCCO crystals using magneto-optical imaging technique 893
- Sood A K
see Joshi Janhavi P 361

- see* Bandyopadhyay Ranjini 685
 Sridhar S
 see Pradhan Prabhakar 333
 Sridharan V
 see Seetha Lakshmi L 1019
 Srivastava J P
 see Husain Shahid 1045
 Srivastava Kuldeep
 see Johri G K 563
 Srivastava M K
 see Muktavat Kshamata 39
 (*e*, *3e*) Test on e–e correlations in helium 647
 St. Berger
 see Majumdar Subham 777
 Steglich F
 see Gegenwart P 715
 Stockert O
 see Löhneysen H v 743
 Su Z B
 see Marchett P A 803
 Sud S P
 see Singh K 521
 Suresh K G
 Metamagnetism in Ce(Ga, Al)₂ 769
 Suzuki M
 see Krishnamurthy V V 761
 Swain M R
 see Das R K 551
 Talukdar B
 see Chakrabarti Subhendu 443
 Tamegai T
 see Soibel A 893
 Tankeshwar K
 see Kaur R P 703
 Thaker C M
 see Rayaprol S 877
 Effect of Pr–Ca substitution on the transport
 and magnetic behavior of LaMnO₃ perovskite
 1035
 Thomas P John
 Arrays of magnetic nanoparticles capped with
 alkylamines 371
 Tiwari Akhilesh
 see Johri G K 563
 Tomy C V
 Study of the peak effect phenomenon in single
 crystals of 2H–NbSe₂ 925
 see Sarkar S 979
 Tonouchi Masayoshi
 Optical magnetic flux generation in supercon-
 ductor 1153
 Tripathi S R
 see Shah Rajesh C 545
 Trivedi U N
 Magnetic behavior of the oxide spinels:
 Li_{0.5}Fe_{2.5–2x}Al_xCr_xO₄ 1031
 Tulapurkar A A
 Peak effect studies in single crystals of CeRu₂
 and 2H–NbS₂ 975
 see Kundaliya Darshan C 1041, 1089
 Uchil Jayagopal
 Shape memory alloys – characterization tech-
 niques 1131
 Umesh T K
 see Yashoda T 31
 Upadhye K V
 Direct injection of spin-polarized carriers
 across YBa₂Cu₃O_{7–δ}La_{0.3}Ca_{0.7}MnO₃ inter-
 face at 77 K 1199
 Vaidya U
 see Kundaliya Darshan C 1041
 Vaidhyanathan L S
 see Janawadkar M P 1159
 Vij Reeta
 see Kundaliya Darshan C 1165
 Vora A M
 Superconducting state parameters of indium
 based binary alloys 849
 Vyas J C
 see Sen Shashwati 867
 Vyas Preeti
 see Gokhale Arti 67
 Waghmare Y R
 Bridge between bound state and reaction ef-
 fective nucleon–nucleon potentials 27
 Wan Xin
 see Bhatt R N 271
 Wanchoo S
 see Pai S P 1147
 Wolf Th
 see Küpfer H 919
 Wühl H
 see Küpfer H 919
 Yakhmi J V
 see Balamurugan S 839
 Yamauchi H
 see Awana V P S 809
 Yashoda T
 X-ray fluorescence in some rare earth and high
 Z elements excited by 661.6 keV γ -rays 31

Yassin Osama A		Zakhidov A A	
<i>see</i> Bhatia S N	1061	<i>see</i> Gupta Amita	1051
Yu L		Zeldov E	
<i>see</i> Marchett P A	803	<i>see</i> Soibel A	893
Yusuf S M		Zhukov A A	
<i>see</i> Rajarajan A K	787	<i>see</i> Küpfer H	919

End of the fifty eighth volume