

PAPERS PUBLISHED BY NPL SCIENTISTS IN SCI JOURNALS IN 2006

S No.	Title	*STIF06
1.	<a href="#">Adsorption induced faceting and superstructural phase diagram of the Sb/Si(5512) interface</a> <i>Kumar, M; Govind; Paliwal, V K; Vedeshwar, A G; Shivaprasad, S M</i> SURFACE SCIENCE 600 (13): 2745-2751 1-Jul 2006	1.880
2.	<a href="#">Analysis of leakage currents in MOCVD grown GaInAsSb based photodetectors operating at 2 mu m</a> <i>Bhagwat, V; Xiao, Y G; Bhat, I; Dutta, P; Refaat, T F; Abedin, MN; Kumar, V</i> JOURNAL OF ELECTRONIC MATERIALS 35(8):1613-1617 AUG 2006	1.504
3.	<a href="#">Anomalous lattice expansion of RuSr2Eu1.5Ce0.5Cu2O10-delta (Ru-1222) magneto superconductor: A low temperature X-ray diffraction study</a> <i>Awana, V P S; Ranjan, R; Rawat, R; Chandra, L S S; Peurla, M; Ganesan, V; Kishan, H; Pandey, D; Laiho, R; Takayama-Muromachi, E; Narlikar, A V</i> PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS 445:97-101 1-Oct 2006	0.792
4.	<a href="#">Application of electrochemically prepared polypyrrole-polyvinyl sulphonate films to DNA biosensor</a> <i>Arora, K; Chaubey, A; Singhal, R; Singh, R P; Pandey, M K; Samanta, S B; Malhotra, B D; Chand, S</i> BIOSENSORS & BIOELECTRONICS 21(9):1777-1783 15-Mar 2006	4.132
5.	<a href="#">Application of octadecanethiol self-assembled monolayer to cholesterol biosensor based on surface plasmon resonance technique</a> <i>Arya, S K; Solanki, P R; Singh, R P; Pandey, M K; Datta, M; Malhotra, BD</i> TALANTA 69(4): 918-926 15-Jun 2006	2.81
6.	<a href="#">Application of polyvinyl pyrrolidone on deposition of silver micro sizes particles on glass substrate</a> <i>Singh, N; Rashmi; Gupta, PK; Sood, KN</i> REVIEWS IN ANALYTICAL CHEMISTRY 25(4):307-316 2006	0.429
7.	<a href="#">Assimilative capacity and pollutant dispersion studies for Gangtok city</a> <i>Goyal, P; Anand, S; Gera, B S</i> ATMOSPHERIC ENVIRONMENT 40 (9): 1671-1682 MAR 2006	2.63
8.	<a href="#">Biologically relevant macrocyclic complexes of copper spectral, magnetic, thermal and antibacterial approach</a> <i>Chandra, S; Gupta, R; Gupta, N; Bawa, S S</i> TRANSITION METAL CHEMISTRY 31(5):696-696 AUG 2006	0.918
9.	<a href="#">Biologically relevant macrocyclic complexes of copper spectral, magnetic, thermal and antibacterial approach [Erratum]</a> <i>Chandra, S; Gupta, R; Gupta, N; Bawa, S S</i> TRANSITION METAL CHEMISTRY 31(2):147-151 March 2006	0.918
10.	<a href="#">Bright red luminescence and energy transfer of Pr3+-doped (Ca,Zn) TiO3 phosphor for long decay applications</a>	2.077

- Haranath, D; Khan, A F; Chander, H*  
 JOURNAL OF PHYSICS D-APPLIED PHYSICS 39(23): 4956-4960 7-Dec 2006
11. [Carbon dioxide enrichment technologies for crop response studies](#) 0.178  
*Uprety, D C; Garg, S C; Bisht, B S; Maini, H K; Dwivedi, N; Paswan, G; Raj, A; Saxena, D C*  
 JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH 65 (11) 859-866 NOV 2006
  12. [A case study of optical properties and structure of sol-gel derived nanocrystalline electrochromic WO<sub>3</sub> films](#) 2.077  
*Deepa, M; Srivastava, A K; Kar, M; Agnihotry, SA*  
 JOURNAL OF PHYSICS D-APPLIED PHYSICS 39(9):1885-1893 7-May 2006
  13. [Characteristics of a conducting organic diode with finite \(nonzero\) Schottky barrier](#) 2.316  
*Kumar, P; Jain, S C; Misra, A; Kamalasanan, M N; Kumar, V*  
 JOURNAL OF APPLIED PHYSICS 100(11):114506 1-Dec 2006
  14. [Characterization of a compact 200 MPa controlled clearance piston gauge as a primary pressure standard using the Heydemann and Welch method](#) 1.007  
*Bandyopadhyay, AK; Olson, DA*  
 METROLOGIA 43(6):573-582 DEC 2006
  15. [Cholesterol biosensor based on cholesterol esterase, cholesterol oxidase and peroxidase immobilized onto conducting polyaniline films](#) 2.331  
*Singh, S; Solanki, PR; Pandey, MK; Malhotra, BD*  
 SENSORS AND ACTUATORS B-CHEMICAL 115(1):534-541 23-May 2006
  16. [Climate change and malaria in India](#) 0.737  
*Bhattacharya, S; Sharma, C; Dhiman, RC; Mitra, AP*  
 CURRENT SCIENCE 90(3):369-375 10-Feb 2006
  17. [Coincidence-site lattices as rational approximants to irrational twins](#) 0.999  
*Ranganathan, S; Srivastava, AK; Lord, EA*  
 JOURNAL OF MATERIALS SCIENCE 41(23):7696-7703 DEC 2006
  18. [Colossal magnetoresistance study in nanophasic La\(0.7\)Ca\(0.3\)MnO\(3\) manganite](#) 2.077  
*Siwach, PK; Goutam, UK; Srivastava, P; Singh, HK; Tiwari, RS; Srivastava, N*  
 JOURNAL OF PHYSICS D-APPLIED PHYSICS 39(1):14-20 7-Jan 2006
  19. [Combined effect of Pr and Mn on the resistivity and low-field AC susceptibility of Y<sub>0.95</sub>Pr<sub>0.05</sub>Ba<sub>2</sub>\(Cu<sub>1-x</sub>Mn<sub>x</sub>\)\(3\)O<sub>7-delta</sub> superconductors for x <= 0.02](#) 0.792  
*Gahtori, B; Lal, R; Ahsan, MAH; Shyam, R; Rao, A; Agarwal, SK*  
 PHYSICA C-SUPERCONDUCTIVITY AND ITS APPLICATIONS 449(2):128-132 15-Nov 2006
  20. [A Comparative study on solution-and bridgman-grown single crystals of benzimidazole by high-resolution X-ray diffractometry, Fourier transform infrared, microhardness, laser damage threshold, and second-harmonic generation measurements](#) 4.339  
*Vijayan, N; Bhagavannarayana, G; Babu, R R; Gopalakrishnan, R; Maurya, K K; Ramasamy, P*  
 CRYSTAL GROWTH & DESIGN 6 (6):1542-1546 JUN 2006

21. [A Comparison of the properties of porous silicon formed on polished and textured \(100\) Si: High resolution XRD and PL studies](#) 1.657  
*Bhagavannarayana, G; Sharma, SN; Sharma, RK; Lakshmikumar, ST*  
MATERIALS CHEMISTRY AND PHYSICS 97 (2-3): 442-447 10 JUN 2006
22. [A comparison of the resistivity behavior of MgB<sub>2</sub>, AlB<sub>2</sub> and AgB<sub>2</sub> systems](#) 0.569  
*Lal, R; Awana, VPS; Singh, KP; Saxena, RB; Kishan, H*  
MODERN PHYSICS LETTERS B 20(16): 989-994 20-Jul 2006
23. [Conductance and conduction noise of polycrystalline La<sub>0.7</sub>Ca<sub>0.2</sub>Ba<sub>0.1</sub>MnO<sub>3</sub> films on different substrates](#) 1.556  
*Singh, DP; Kumar, V; Bhalla, GL; Siwach, PK; Srivastava, ON; Khare, N*  
SOLID STATE COMMUNICATIONS 140 (7-8): 395-399 Nov 2006
24. [A consistent description of neutron stars with quark cores](#) 5.043  
*Soni, V; Bhattacharya, D*  
PHYSICS LETTERS B 643(34):158-164 14-Dec 2006
25. [Construction of spatial-coherence spectral filters using a Fourier-achromat system](#) 1.48  
*Kandpal, HC; Mehrotra, R*  
OPTICS COMMUNICATIONS 266(2):376-379 15-Oct 2006
26. [Covalent immobilization of cholesterol esterase and cholesterol oxidase on polyaniline films for application to cholesterol biosensor](#) 2.894  
*Singh, S; Solanki, PR; Pandey, MK; Malhotra, BD*  
ANALYTICA CHIMICA ACTA 568(1-2):126-132 24-May 2006
27. [Crystallization of benzimidazole by solution growth method and its characterization](#) 0.863  
*Vijayan, N; Bhagavannarayana, G; Kanagasekaran, T; Babu, RR; Gopalakrishnan, R; Ramasamy, P*  
CRYSTAL RESEARCH AND TECHNOLOGY 41(8):784-789 AUG 2006
28. [Day-to-day variability of equatorial and low latitude F-region ionosphere in the Indian zone](#) 1.448  
*Dabas, RS; Sharma, N; Pillai, MGK; Gwal, A K*  
JOURNAL OF ATMOSPHERIC AND SOLAR-TERRESTRIAL PHYSICS 68(11): 1269-1277 JUL 2006
29. [DC electrical conduction and morphology of poly\(3-octylthiophene\) films](#) 2.077  
*Kumar, J; Singh, RK; Chand, S; Kumar, V; Rastogi, RC; Singh, R*  
JOURNAL OF PHYSICS D-APPLIED PHYSICS 39(1):196-202 7-Jan 2006
30. [Demonstration of the formation of porous silicon films with superior mechanical properties, morphology and stability](#) 1.353  
*Sharma, S N; Sharma, R K; Bhagavannarayana, G; Samanta, SB; Sood, K N; Lakshmikumar, S T*  
MATERIALS LETTERS 60 (9-10): 1166-1169 May 2006
31. [Dependence of dc and ac conduction on the pre-sintering temperature in sol-gel derived Ba<sub>0.5</sub>Sr<sub>0.5</sub>TiO<sub>3</sub> thin films](#) 1.657  
*Roy, S C; Sharma, GL; Bhatnagar, MC; Manchanda, R; Balakrishnan, VR; Samanta, SB*  
MATERIALS CHEMISTRY AND PHYSICS 100 (2-3): 404-410 10 Dec 2006

32. [Design and development of high frequency standard inductors](#) 0.178  
*Nath, OK; Goel, AK*  
 JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH 65(6):510-513 JUN 2006
33. [Determination of carbon nanotube density by gradient sedimentation](#) 4.115  
*Lu, Q; Keskar, G; Ciocan, R; Rao, R; Mathur, RB; Rao, AM; Larcom, LL*  
 JOURNAL OF PHYSICAL CHEMISTRY B 110(48) 24371-24376 7-Dec 2006
34. [Development of vapor grown carbon fibers \(VGCF\) reinforced carbon/carbon composites](#) 0.999  
*Dhakate, SR; Mathur, RB; Dhami, TL*  
 JOURNAL OF MATERIALS SCIENCE 41(13): 4123-4131 JUL 2006
35. [A dielectric mode in electroclinic liquid crystals](#) 2.316  
*Thakur, AK; Choudhary, A; Kaur, S; Bawa, SS; Biradar, AM*  
 JOURNAL OF APPLIED PHYSICS 100(3): 034104 1-Aug 2006
36. [Direct determination of moisture in powder milk using near infrared spectroscopy](#) 0.133  
*Nagarajan, R; Singh, P; Mehrotra, R*  
 JOURNAL OF AUTOMATED METHODS & MANAGEMENT IN CHEMISTRY 51342 2006
37. [Direct solar ultraviolet irradiance over Nainital, India, in the central Himalayas for clear-sky day conditions during December 2004](#) 2.8  
*Srivastava, MK; Singh, S; Saha, A; Dumka, UC; Hegde, P; Singh, R; Pant, P*  
 JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES 111(D8):D08201 18-Apr 2006
38. [Effect of Al doping on structural and dielectric properties of PLZT ceramics](#) 0.999  
*Rai, R; Sharma, S; Choudhary, RNP*  
 JOURNAL OF MATERIALS SCIENCE 41(13):4259-4265 JUL 2006
39. [Effect of citric acid on properties of CeO<sub>2</sub> films for electrochromic windows](#) 2.321  
*Verma, A; Bakhshi, AK; Agnihotry, SA*  
 SOLAR ENERGY MATERIALS AND SOLAR CELLS 90(11):1640-1655 6-Jul 2006
40. [Effect of cobalt ions on the EPR and dc conductivity in vanadyl doped CoO-M<sub>2</sub>O-B<sub>2</sub>O<sub>3</sub> \(M=Li, K\) glasses](#) 0.577  
*Khasa, S; Seth, VP; Gahlot, PS; Agarwal, A; Gupta, SK*  
 PHYSICS AND CHEMISTRY OF GLASSES-EUROPEAN JOURNAL OF GLASS SCIENCE AND TECHNOLOGY PART B 47(4): 371-376 AUG 2006
41. [Effect of codoping on crystalline perfection of Mg : Cr : LiNbO<sub>3</sub> crystals](#) 1.556  
*Choubey, RK; Sen, P; Kar, S; Bhagavannarayana, G; Bartwal, KS*  
 SOLID STATE COMMUNICATIONS 140 (3-4): 120-124 Oct 2006
42. [Effect of different precursor sols on the properties of CeO<sub>2</sub>-TiO<sub>2</sub> films for electrochromic window applications](#) 2.955  
*Verma, A; Bakhshi, AK; Agnihotry, SA*  
 ELECTROCHIMICA ACTA 51(22): 4639-4648 5-Jun 2006
43. [Effect of electromagnetic interactions on the undulatory temperature dependent behaviour of non-resonant microwave absorption signal amplitude in](#) 1.222

- [Bi<sub>2</sub>Sr<sub>2</sub>CaCu<sub>2</sub>O<sub>8+x</sub>](#)  
*Padam, GK; Ekbote, SN; Sharma, M; Tripathy, MR; Srivastava, GP; Das, BK*  
 JAPANESE JOURNAL OF APPLIED PHYSICS PART 1-REGULAR PAPERS  
 BRIEF COMMUNICATIONS & REVIEW PAPERS 45(1A):84-87 JAN 2006
44. [Effect of flyash incorporation on soil properties and productivity of crops: A review](#) 0.178  
*Sharma, S K; Kalra, N*  
 JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH  
 65(5):383-390 MAY 2006
45. [Effect of humidity on structure and electrochromic properties of sol-gel-derived tungsten oxide films](#) 2.321  
*Deepa, M; Singh, P; Sharma, SN; Agnihotry, SA*  
 SOLAR ENERGY MATERIALS AND SOLAR CELLS 90(16): 2665-2682 16-Oct 2006
46. [Effect of microstructure and stoichiometry on absorption in Mg intercalated MoO<sub>3</sub> thin films](#) 2.009  
*Sian, T S; Reddy, G B; Shivaprasad, S M*  
 ELECTROCHEMICAL AND SOLID STATE LETTERS 9(3):A120-A122 2006
47. [The effect of nanosized TiO<sub>2</sub> addition on poly\(methylmethacrylate\) based polymer electrolytes](#) 3.521  
*Ahmad, S; Saxena, TK; Ahmad, S; Agnihotry, SA*  
 JOURNAL OF POWER SOURCES 159(1): 205-209 13-Sep 2006
48. [Effect of Mn doping on the specific heat of the high T-C superconductor REBa<sub>2</sub>Cu<sub>3</sub>O<sub>y</sub> \(RE = Y, Gd\)](#) 2.038  
*Rao, A; Radheshyam, S; Das, A; Gahtori, B; Agarwal, SK; Lin, YF; Sivakumar, KM; Kuo, YK*  
 JOURNAL OF PHYSICS-CONDENSED MATTER 18(11): 2955-2962 22-Mar 2006
49. [Effect of Ni doping on thick film SnO<sub>2</sub> gas sensor](#) 2.331  
*Jain, K; Pant, RP; Lakshmikummar, ST*  
 SENSORS AND ACTUATORS B-CHEMICAL 113(2): 823-829 27-Feb 2006
50. [The effect of Pb<sup>2+</sup> substitution on the quantum paraelectric behaviour of CaTiO<sub>3</sub>](#) 2.038  
*Chandra, A; Ranjan, R; Singh, DP; Khare, N; Pandey, D*  
 JOURNAL OF PHYSICS-CONDENSED MATTER 18(11): 2977-2994 22-Mar 2006
51. [Effect of organic dopants on ZTS single crystals](#) 1.809  
*Meenakshisundaram, S; Parthiban, S; Sarathi, N; Kalavathy, R; Bhagavannarayana, G*  
 JOURNAL OF CRYSTAL GROWTH 293(2): 376-381 1-Aug 2006
52. [Effect of ratios of Cd : Se in CdSe nanoparticles on optical edge shifts and photoluminescence properties.](#) 1.084  
*Sharma, H; Sharma, SN; Singh, G; Shivaprasad, SM*  
 PHYSICA E-LOW-DIMENSIONAL SYSTEMS & NANOSTRUCTURES 31(2):180-186 MAR 2006
53. [Effect of solar activity on diurnal and seasonal variations of electron temperature](#) 0.706

- [measured by the SROSS C2 over Indian low latitudes](#)  
*Bhuyan, PK; Chamua, M; Subrahmanyam, P; Garg, SC*  
 ADVANCES IN SPECIFYING PLASMA TEMPERATURES AND ION  
 COMPOSITION IN THE IONOSPHERE ADVANCES IN SPACE RESEARCH  
 37(5):885-891 2006
54. [Electrochromic nanostructured tungsten oxide films by sol-gel: Structure and intercalation properties](#) 2.387  
*Deepa, M; Joshi, AG; Srivastava, AK; Shivaprasad, SM; Agnihotry, SA*  
 JOURNAL OF THE ELECTROCHEMICAL SOCIETY 153(5): C365-C376 2006
55. [Electrodeposited Prussian blue films: Annealing effect](#) 2.955  
*Agnihotry, SA; Singh, P; Joshi, AG; Singh, DP; Sood, KN; Shivaprasad, SM*  
 ELECTROCHIMICA ACTA 51(20): 4291-4301 25-May2006
56. [Enhanced field emission characteristics of nitrogen-doped carbon nanotube films grown by microwave plasma enhanced chemical vapor deposition process](#) 1.666  
*Srivastava, SK; Vankar, VD; Rao, DVS; Kumar, V*  
 THIN SOLID FILMS 515(4): 1851-1856 5-Dec 2006
57. [Enhanced low field magnetoresistance in La<sub>0.7</sub>Sr<sub>0.3</sub>MnO<sub>3</sub>/TiO<sub>2</sub> composite](#) 2.077  
*Gaur, A; Varma, GD; Singh, HK*  
 JOURNAL OF PHYSICS D-APPLIED PHYSICS 39(16):3531-3535 21-Aug 2006
58. [Enhanced luminescence of Y<sub>3</sub>Al<sub>5</sub>O<sub>12</sub> : Ce<sup>3+</sup> nanophosphor for white light-emitting diodes](#) 3.977  
*Haranath, D; Chander, H; Sharma, P; Singh, S*  
 APPLIED PHYSICS LETTERS 89(17): 173118 23-Oct 2006
59. [Enhanced magnetoresistance in La<sub>0.82</sub>Sr<sub>0.18</sub>MnO<sub>3</sub>-pi-conjugated semiconducting polymer heterostructure](#) 1.556  
*Kumar, J; Singh, RK; Siwach, PK; Singh, HK; Singh, R; Rastogi, RC; Srivastava, ON*  
 SOLID STATE COMMUNICATIONS 138(8): 422-425 2006
60. [Enhancement of crystalline perfection by organic dopants in ZTS, ADP and KHP crystals as investigated by high-resolution XRD and SEM](#) 2.495  
*Bhagavannarayana, G; Parthiban, S; Meenakshisundaram, S*  
 JOURNAL OF APPLIED CRYSTALLOGRAPHY 39: 784-790 DEC 2006
61. [EPR and optical absorption study of Cr<sup>3+</sup>-doped tetramethyl ammonium cadmium chloride single crystals](#) 1.212  
*Kripal, R; Govind, H; Gupta, S K; Arora, M*  
 JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS 307(2): 257-262  
 DEC 2006
62. [Etching and dielectric studies on L-lysine monohydrochloride dihydrate single crystal](#) 0.863  
*Babu, RR; Sethuraman, K; Vijayan, N; Bhagavannarayana, G; Gopalakrishnan, R; Ramasamy, P*  
 CRYSTAL RESEARCH AND TECHNOLOGY 41(9):906-910 SEP 2006
63. [Evidence for the benefit of adding a carbon interphase in an all-carbon composite](#) 3.884  
*Dwivedi, H; Mathur, RB; Dharmi, TL; Bahl, OP; Monthioux, M; Sharma, SP*



- CARBON 44(4):699-709 APR 2006
64. [Experimental observation of spectral changes of partially coherent light in Young's experiment](#) 1.604  
*Yadav, BK; Rizvi, SAM; Kandpal, HC*  
JOURNAL OF OPTICS A-PURE AND APPLIED OPTICS 8(1):72-76 JAN 2006
  65. [Experimental study of the magnetosuperconductor RuSr<sub>2</sub>Eu<sub>1.5</sub>Ce<sub>0.5</sub>Cu<sub>2</sub>O<sub>10- \$\delta\$</sub> : Effect of Mo doping on magnetic behavior and T-c variation](#) 3.107  
*Awana, VPS; Lal, R; Kishan, H; Narlikar, AV; Peurla, M; Laiho, R*  
PHYSICAL REVIEW B 73(1): 014517 JAN 2006
  66. [Experimental study of the spectral anomalies in Young's interference experiment](#) 1.48  
*Anand, S; Kamalasanan, MN*  
OPTICS COMMUNICATIONS 266(2): 469-472 15-Oct 2006
  67. [FGMOS current mirror: Behaviour and bandwidth enhancement](#) 0.298  
*Sharma, S; Rajput, SS; Mangotra, LK; Jamuar, SS*  
ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING 46(3):281-286 MAR 2006
  68. [Fluxoid jump coupled high critical current density of nano-Co<sub>3</sub>O<sub>4</sub> doped MgB<sub>2</sub>](#) 1.44  
*Awana, VPS; Isobe, M; Singh, KP; Takayama-Muromachi, E; Kishan, H*  
SUPERCONDUCTOR SCIENCE & TECHNOLOGY 19(6):551-555 JUN 2006
  69. [A GIS based methodology for gridding of large-scale emission inventories: application to carbon-monoxide emissions over Indian region](#) 2.63  
*Dalvi, W; Beig, G; Patil, U; Kaginalkar, A; Sharma, C; Mitra, AP*  
ATMOSPHERIC ENVIRONMENT 40(16): 2995-3007 MAY 2006
  70. [Growth and characterization of L-lysine monohydrochloride dihydrate \(L-LMHCl\) single crystal](#) 0.863  
*Babu, RR; Vijayan, N; Gopalakrishnan, R; Ramasamy, P*  
CRYSTAL RESEARCH AND TECHNOLOGY 41(4):405-410 APR 2006
  71. [Growth and characterization of nonlinear optical amino acid single crystal: L-alanine](#) 4.339  
*Vijayan, N; Rajasekaran, S; Bhagavannarayana, G; Babu, RR; Gopalakrishnan, R; Palanichamy, M; Ramasamy, P*  
CRYSTAL GROWTH & DESIGN 6(11): 2441-2445 1-Nov 2006
  72. [Growth and characterization of semicarbazone of cyclohexanone](#) 0.863  
*Sethuraman, K; Babu, RR; Vijayan, N; Gopalakrishnan, R; Ramasamy, P*  
CRYSTAL RESEARCH AND TECHNOLOGY 41(8):807-811 AUG 2006
  73. [Growth and decay of a post-sunset equatorial anomaly at low latitudes: Control of E x B, neutral winds and daytime electrojet strength](#) 1.448  
*Dabas, RS; Singh, L; Garg, SC; Das, RM; Sharma, K; Vohra, VK*  
JOURNAL OF ATMOSPHERIC AND SOLAR-TERRESTRIAL PHYSICS 68(14):1622-1632 SEP 2006
  74. [Growth and microstructures of carbon nanotube films prepared by microwave plasma enhanced chemical vapor deposition process](#) 1.666  
*Srivastava, SK; Vankar, VD; Kumar, V*  
THIN SOLID FILMS 515(4): 1552-1560 5-Dec 2006

75. [High pressure phase transition and band structures of different phases in CeO<sub>2</sub>](#) 1.556  
*Mehrotra, S; Sharma, P; Rajagopalan, M; Bandyopadhyay, AK*  
 SOLID STATE COMMUNICATIONS 140(6): 313-317 NOV 2006
76. [Hole doping into Co-12s<sub>2</sub> copper oxides with s fluorite-structured layers between CuO<sub>2</sub> planes](#) 2.107  
*Fjellvag, H; Morita, Y; Nagai, T; Lee, JM; Chen, JM; Liu, RS; Hauback, BC; Awana, VPS; Matsui, Y; Yamauchi, H; Karppinen, M*  
 JOURNAL OF SOLID STATE CHEMISTRY 179(3): 632-645 MAR 2006
77. [Impact of Co and Mo substitution at Ru-site in RuSr<sub>2</sub>Eu<sub>1.5</sub>Ce<sub>0.5</sub>Cu<sub>2</sub>O<sub>10-delta</sub> magneto-superconductor](#) 0.569  
*Awana, VPS; Kishan, H; Takayama-Muromachi, E; Narlikar, AV*  
 MODERN PHYSICS LETTERS B 20(29):1901-1908 20-Dec 2006
78. [Influence of annealing on electrochromic performance of template assisted, electrochemically grown, nanostructured assembly of tungsten oxide](#) 3.549  
*Deepa, M; Srivastava, AK; Agnihotry, SA*  
 ACTA MATERIALIA 54(17): 4583-4595 OCT 2006
79. [Influence of strain relaxation on magnetotransport properties of epitaxial La<sub>0.7</sub>Ca<sub>0.3</sub>MnO<sub>3</sub> films](#) 2.038  
*Siwach, PK; Singh, HK; Srivastava, ON*  
 JOURNAL OF PHYSICS-CONDENSED MATTER 18(43): 9783-9794 1-Nov 2006
80. [Interfacial diffusion effect on metal induced crystallization of an amorphous silicon - A microstructural pathway](#) 2.009  
*Srivastava, AK; Sood, KN; Kishore, R; Naseem, HA*  
 ELECTROCHEMICAL AND SOLID STATE LETTERS 9(7): G219-G221 2006
81. [Investigation of structural and dielectric properties of \(La, Fe\)-doped PZT ceramics](#) 0.872  
*Rai, R; Sharma, S; Soni, NC; Choudhary, RNP*  
 PHYSICA B-CONDENSED MATTER 382 (1-2): 252-256 15 June 2006
82. [Ionic noise measurement in polymer electrolytes](#) 0.305  
*Chandra, A; Singh, DP; Singh, PK; Khare, N; Chandra, S*  
 IONICS 12(6):349-352 DEC 2006
83. [L band wind profiler observations of convective boundary layer over Gadanki, India \(13.5 degrees N, 79.2 degrees E\)](#) 1.084  
*Kumar, KK; Jain, AR*  
 RADIO SCIENCE 41(2): RS2004 31-Mar 2006
84. [Laser cooling force in noisy quadrature of squeezed light](#) 1.48  
*Saxena, GM; Agarwal, A*  
 OPTICS COMMUNICATIONS 267(1): 124-127 1-Nov 2006
85. [Low energy ion induced effects on TOPO capped CdSe nanocrystals probed by XPS depth profiling and optical measurements](#) 0.946  
*Sharma, SN; Sharma, H; Singh, G; Shivaprasad, SM*  
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS 244(1): 86-90 MAR 2006



86. [Low field magneto-transport in LBSMO-PMMA composite](#) 1.212  
*Kumar, J; Singh, RK; Siwach, PK; Singh, HK; Singh, R; Srivastava, ON*  
 JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS 299(1):155-160 APR 2006
87. [Low frequency ac conduction and dielectric relaxation behavior of solution grown and uniaxially stretched poly\(vinylidene fluoride\) films](#) 2.773  
*Singh, R; Kumar, J; Singh, RK; Kaur, A; Sinha, RDP; Gupta, NP*  
 POLYMER 47(16): 5919-5928 26-Jul 2006
88. [Low frequency Raman scattering from acoustic phonons confined in ZnO nanoparticles](#) 7.072  
*Yadav, HK; Gupta, V; Sreenivas, K; Singh, SP; Sundarakannan, B; Katiyar, RS*  
 PHYSICAL REVIEW LETTERS 97(8): 85502 25-Aug 2006
89. [Low voltage CCII-based high performance cascadable multifunctional filter](#) 0.474  
*Parveen, T; Rajput, SS; Ahmad, MT*  
 MICROELECTRONICS INTERNATIONAL 23(2): 28-31 2006
90. [Low voltage high performance CCII for analog signal processing applications](#) 0.474  
*Rajput, S S; Jamuar, SS*  
 MICROELECTRONICS INTERNATIONAL 23(1):10-15 2006
91. [Low-voltage CCII based all-pass/notch filter](#) 0.38  
*Sharma, S; Rajput, S S; Pal, K; Mangotra, L K; Jamuar, S S*  
 INDIAN JOURNAL OF PURE & APPLIED PHYSICS 44(11): 871-874 NOV 2006
92. [Luminescence enhancement of \(Ca,Zn\)TiO<sub>3</sub>: Pr<sup>3+</sup> phosphor using nanosized silica powder](#) 3.977  
*Harath, D; Khan, AF; Chander, H*  
 APPLIED PHYSICS LETTERS 89(9): 91903 28-Aug 2006
93. [Magnetic phase diagram of double-layered La<sub>2-2x</sub>Ca<sub>1+2x</sub>Mn<sub>2</sub>O<sub>7</sub> manganite](#) 1.164  
*Gupta, AK; Bhalla, GL; Khare, N*  
 JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS 67(11): 2358-2364 NOV 2006
94. [Magnetic relaxation studies in organic-inorganic nanoclusters](#) 2.316  
*Sharma, R; Suri, K; Tandon, RP; Annapoorni, S; Lamba, S; Kumaraswami, BV*  
 JOURNAL OF APPLIED PHYSICS 99(2):024311 15-Jan 2006
95. [Magnetism, upper critical field and thermoelectric power of the magnetosuperconductor RuSr<sub>2</sub>Eu<sub>1.5</sub>Ce<sub>0.5</sub>Cu<sub>2</sub>O<sub>10-δ</sub>](#) 2.038  
*Lal, R; Awana, VPS; Peurla, M; Rawat, R; Ganesan, V; Kishan, H; Narlikar, AV; Laiho, R*  
 JOURNAL OF PHYSICS-CONDENSED MATTER 18(8):2563-2571 1-Mar 2006
96. [Magneto-transport characteristics of La<sub>1.4</sub>Ca<sub>1.6</sub>Mn<sub>2</sub>O<sub>7</sub> thin film deposited by spray pyrolysis](#) 2.077  
*Siwach, PK; Singh, HK; Srivastava, ON*  
 JOURNAL OF PHYSICS D-APPLIED PHYSICS 39(17): 3731-3737 7-Sep 2006
97. [Magneto-transport of high TCR \(temperature coefficient of resistance\) La<sub>2/3</sub>Ca<sub>1/3</sub>MnO<sub>3</sub> : Ag polycrystalline composites](#) 1.556  
*Awana, VPS; Tripathi, R; Balamurugan, S; Kishan, H; Takayama-Muromachi, E*

- SOLID STATE COMMUNICATIONS 140 (9-10): 410-415 DEC 2006
98. [Mean particle size determination of ground sugar using near infrared diffuse reflectance spectroscopy](#) 0.094  
*Mehrotra, R; Gupta, A; Tewari, J; Chander, H; Shanker, V*  
 INTERNATIONAL SUGAR JOURNAL 108(1288): 223-227 APR 2006
99. [Measurement of thermal transport and optical properties of conducting polyaniline](#) 0.38  
*Joshi, GP; Saxena, NS; Sharma, TP; Mishra, SCK*  
 INDIAN JOURNAL OF PURE & APPLIED PHYSICS 44(10): 786-790 OCT 2006
100. [Measurements of major and minor constituents in sulphide ore by gravimetry followed by flame atomic absorption spectrometry.](#) 0.429  
*Singh, N; Rashmi; Gupta, PK*  
 REVIEWS IN ANALYTICAL CHEMISTRY 25(2): 141-153 2006
101. [Mechanism of charge transport in poly\(3-octylthiophene\)](#) 2.316  
*Singh, R; Kumar, J; Singh, RK; Chand, S; Kumar, V; Rastogi, RC*  
 JOURNAL OF APPLIED PHYSICS 100(1): 16106 1-Jul 2006
102. [Mechanism of do electrical conduction and human endothelial cell proliferation in polypyrrole/sodium nitrate membrane](#) 2.773  
*Singh, R; Kumar, J; Kaur, A; Yadav, KL; Bhattacharyya, R; Hussain, E; Ali, S*  
 POLYMER 47: 6042-6047 2006
103. [Microstructural features induced by spray processing and hot extrusion of an Al-18% Si-5% Fe-1.5% Cu alloy](#) 3.549  
*Srivastava, A K; Srivastava, V C; Gloter, A; Ojha, S N*  
 ACTA MATERIALIA 54(7):1741-1748 APR 2006
104. [Microstructural features, electrical and optical properties of nanostructured InSb thin films deposited at 373 K](#) 0.277  
*Singh, S; Srivastava, AK; Lal, K; Tomokiyo, Y; Sharma, SK; Kishore, R*  
 INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES 13(4): 339-346 AUG 2006
105. [Mixing behaviour of buried transition metal layer in silicon due to swift heavy ion irradiation](#) 0.946  
*Chakraborty, BR; Kabiraj, D; Diva, K; Pivin, JC; Avasthi, DK*  
 NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS 244(1): 209-212 MAR 2006
106. [Nano and micro structural studies of thin films of ZnO](#) 0.999  
*Bahadur, H; Samanta, SB; Srivastava, AK; Sood, KN; Kishore, R; Sharma, RK; Basu, A; Rashmi; Kar, M; Pal, P; Bhatt, V; Chandra, S*  
 JOURNAL OF MATERIALS SCIENCE 41(22): 7562-7570 NOV 2006
107. [Nanostructured mesoporous tungsten oxide films with fast kinetics for electrochromic smart windows](#) 3.037  
*Deepa, M; Srivastava, AK; Sood, KN; Agnihotry, SA*  
 NANOTECHNOLOGY 17(10): 2625-2630 28-May 2006
108. [Non-linear dielectric properties of vacuum deposited nanocrystalline polyaniline thin films](#) 1.666

- Misra, SCK; Yadav, M; Mathur, P*  
THIN SOLID FILMS 514 (1-2): 272-277 30-Aug 2006
109. [A novel approach for synthesizing composite polymer electrolytes with a stereocomplex poly \(methylmethacrylate\) for electrochromic devices](#) 0.934  
*Ahmad, S; Ahmad, S; Agnihotry, SA*  
E-POLYMERS 007 25 Apr 2006
110. [Novel method of fabrication of doped polyaniline nanostructures](#) 0.631  
*Gupta, A; Goel, S; Singh, KP; Mehrotra, R; Kandpal, HC*  
INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL THEORETICAL & ANALYTICAL CHEMISTRY 45(8):1831-1835 AUG 2006
111. [Observations of extremely low tropopause temperature over the Indian tropical region during monsoon and postmonsoon months: Possible implications](#) 2.8  
*Jain, AR; Das, SS; Mandal, TK; Mitra, AP*  
JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES 111(D7): D07106 7-Apr 2006
112. [Observations of trace gases and aerosols over the Indian Ocean during the monsoon transition period](#) 0.213  
*Mandal, TK; Khan, A; Ahammed, Y N; Tanwar, RS; Parmar, RS; Zalpuri, KS; Gupta, PK; Jain, SL; Singh, R; Mitra, AP; Garg, SC; Suryanarayana, A; Murty, VSN; Kumar, MD; Shepherd, AJ*  
JOURNAL OF EARTH SYSTEM SCIENCE 115(4): 473-484 AUG 2006
113. [Optical characterization of Se-Te-Sb chalcogenide glass](#) 1.106  
*Saraswat, VK; Kishore, V; Saxena, NS; Sharma, K; Sharma, TP; Misra, A*  
JOURNAL OF OPTOELECTRONICS AND ADVANCED MATERIALS 8(4): 1349-1351 AUG 2006
114. [Optical, structural and electrical properties of zinc sulphide vacuum evaporated thin film](#) 0.38  
*Kumar, P; Kumar, A; Dixit, PN; Sharma, TP*  
INDIAN JOURNAL OF PURE & APPLIED PHYSICS 44(9):690-693 SEP 2006
115. [Optimized synthesis and improved transport properties of Cd-doped TI-2223 films](#) 1.328  
*Singh, HK; Kataria, ND; Srivastava, ON*  
JOURNAL OF THE KOREAN PHYSICAL SOCIETY 48(5): 1159-1162 MAY 2006
116. [Path loss exponents deduced from VHF & UHF measurements over Indian subcontinent and model comparison](#) 1.235  
*Prasad, MVS*  
IEEE TRANSACTIONS ON BROADCASTING 52(3): 290-298 SEP 2006
117. [Phase formation and superconductivity of Fe-TUBE encapsulated and vacuum-annealed MgB<sub>2</sub>](#) 0.569  
*Singh, KP; Awana, VPS; Shahabuddin, M; Husain, M; Saxena, RB; Nigam, R; Ansari, MA; Gupta, A; Narayan, H; Halder, SK; Kishan, H*  
MODERN PHYSICS LETTERS B 20(27): 1763-1769 30-Nov 2006
118. [Phase transition and electrical studies of wolframium doped SrBi<sub>2</sub>Ta<sub>2</sub>O<sub>9</sub> ferroelectric ceramics](#) 1.157

- Coondoo, I; Jha, AK; Agarwal, SK; Soni, NC*  
 JOURNAL OF ELECTROCERAMICS 16(4): 393-398 JUL 2006
119. [Phases in copper-stabilized zirconia solid oxide fuel cells anode material](#) 1.657  
*Senguttuvan, TD; Samanta, SB; Sood, KN; Malhotra, LK*  
 MATERIALS CHEMISTRY AND PHYSICS 95(2-3):197-201 10 Feb 2006
120. [Photoinduced charge transfer mechanism in PPV \[poly\(p-phenylenevinylene\)\] polymer: role of iodide species](#) 1.249  
*Sharma, SN*  
 COLLOID AND POLYMER SCIENCE 284(8): 853-861 MAY 2006
121. [Photophysics and photochemistry of colloidal poly \(p-phenylenevinylene\) \(PPV\) polymer](#) 1.657  
*Sharma, SN*  
 MATERIALS CHEMISTRY AND PHYSICS 100(2-3): 345-350 10 Dec 2006
122. [Physical property characterization of Fe-tube encapsulated and vacuum annealed bulk MgB<sub>2</sub>](#) 1.556  
*Awana, VPS; Rawat, R; Gupta, A; Isobe, M; Singh, KP; Vajpayee, A; Kishan, H; Takayama-Muromachi, E; Narlikar, AV*  
 SOLID STATE COMMUNICATIONS 139(6): 306- 309 2006
123. [Preparation and certification of high-grade gold geochemical reference material](#) 0.64  
*Balaram, V; Patil, ML; Agrawal, AK; Rao, DVS; Charan, SN; Satyanarayanan, M; Mathur, R; Kapilavastu, K; Sarma, DS; Gowda, MS; Ramesh, SL; Sangurmath, P; Anjaiah, KV; Dasaram, B; Saxena, RK; Begum, Z*  
 ACCREDITATION AND QUALITY ASSURANCE 11(7):329-335 JUL 2006
124. [Primary pressure standards based on dimensionally characterized piston/cylinder assemblies](#) 1.657  
*Schmidt, JW; Jain, K; Miiller, AP; Bowers, WJ; Olson, DA*  
 METROLOGIA 43(1):53-59 FEB 2006
125. [Processing of carbon composite paper as electrode for fuel cell](#) 3.521  
*Mathur, RB; Maheshwari, PH; Dhami, TL; Sharma, RK; Sharma, CP*  
 JOURNAL OF POWER SOURCES 161(2):790-798 7-Oct 006
126. [Prospects of conducting polymers in biosensors](#) 2.894  
*Malhotra, BD; Chaubey, A; Singh, SP*  
 ANALYTICA CHIMICA ACTA 578(1): 59-74 18-Sep 2006
127. [Quantitative analysis of alcohol, sugar, and tartaric acid in alcoholic beverages using attenuated total reflectance spectroscopy](#) 0.133  
*Nagarajan, R; Gupta, A; Mehrotra, R; Bajaj, M M*  
 JOURNAL OF AUTOMATED METHODS & MANAGEMENT IN CHEMISTRY 45102 2006
128. [Quantitative analysis of methanol, an adulterant in alcoholic beverages, using attenuated total reflectance spectroscopy](#) 0.178  
*Nagarajan, R; Mehrotra, R; Bajaj, MM*  
 JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH 65(5): 416-419 MAY 2006
129. [Radiation induced modification of impurity-related point defects in crystalline](#) 0.863

- [quartz - a review](#)  
Bahadur, H  
CRYSTAL RESEARCH AND TECHNOLOGY 41(7): 631-635 JUL 2006
130. [Recent developments in bio-molecular electronics techniques for food pathogens](#) 2.894  
Arora, K; Chand, S; Malhotra, B D  
ANALYTICA CHIMICA ACTA 568 (1-2): 259-274 24 May 2006
131. [Reflectance and photoluminescence spectra of as grown and hydrogen and nitrogen incorporated tetrahedral amorphous carbon films deposited using an S bend filtered cathodic vacuum arc process](#) 1.666  
Panwar, OS; Khan, MA; Bhattacharjee, B; Pal, AK; Satyanarayana, BS; Dixit, PN; Bhattacharyya, R; Khan, MY  
THIN SOLID FILMS 515(4): 1597-1606 5-Dec 2006
132. [Refractive indices, order parameter and optical transmittance studies of a nematic liquid crystal mixture](#) 0.371  
Singh, AK; Manohar, R; Shukla, JP; Biradar, AM  
ACTA PHYSICA POLONICA A 110(4): 485-493 OCT 2006
133. [Role of defects in transport through a quantum dot single electron transistor](#) 2.316  
Singh, KP; Lamba, S; Joshi, SK  
JOURNAL OF APPLIED PHYSICS 99(12): 124503 15-Jun 2006
134. [Role of fumed silica on ion conduction and rheology in nanocomposite polymeric electrolytes](#) 2.773  
Ahmad, S; Bohidar, H B; Ahmad, S; Agnihotry, SA  
POLYMER 47(10): 3583-3590 3-May 2006
135. [Role of poly\(styrene-acrylonitrile\) copolymer interface layer in controlling charge storage and decay properties of amorphous selenium films](#) 3.977  
Chand, S; Sharma, G D; Dwivedi, S  
APPLIED PHYSICS LETTERS 88(21): 213506 22-May 2006
136. [Role of surface texturization in the formation of highly luminescent, stable and thick porous silicon films](#) 1.331  
Sharma, S N; Bhagavannarayana, G; Sharma, R K; Lakshmikummar, S T  
MATERIALS SCIENCE AND ENGINEERING B-SOLID STATE MATERIALS FOR ADVANCED TECHNOLOGY 127 (2-3): 255-260 25 Feb 2006
137. [Seasonal variation of the surface ozone and its precursor gases during 2001-2003, measured at Anantapur \(14.62 degrees N\), a semi-arid site in India](#) 1.304  
Ahammed, YN; Reddy, RR; Gopal, KR; Narasimhulu, K; Basha, DB; Reddy, LSS; Rao, TVR  
ATMOSPHERIC RESEARCH 80(2-3):151-164 May 2006
138. [Signature of seismic activities in the F2 region ionospheric electron temperature](#) 1.448  
Sharma, DK; Israil, M; Chand, R; Rai, J; Subrahmanyam, P; Garg, SC  
JOURNAL OF ATMOSPHERIC AND SOLAR-TERRESTRIAL PHYSICS 68(6):691-696 MAR 2006
139. [Single-step magnetic patterning of iron nanoparticles in a semiconducting polymer matrix](#) 2.021  
Kumar, J; Singh, RK; Samanta, SB; Rastogi, RC; Singh, R

MACROMOLECULAR CHEMISTRY AND PHYSICS  
207(17):1584-1588 4-Sep 2006

140. [Sintering of boron carbide under high pressures and temperatures](#) 0.277  
*Singhal, SK; Singh, BP*  
INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES 13(2):129-134 APR 2006
141. [Sol-gel derived tungsten oxide films with pseudocubic triclinic nanorods and nanoparticles](#) 1.666  
*Srivastava, AK; Agnihotry, SA; Deepa, M*  
THIN SOLID FILMS 515(4): 1419-1423 5-Dec 2006
142. [Sol-gel-derived super-hydrophilic nickel doped TiO<sub>2</sub> film as active photo-catalyst](#) 2.63  
*Sharma, S D; Singh, D; Saini, K K; Kant, C; Sharma, V; Jain, SC; Sharma, CP*  
APPLIED CATALYSIS A-GENERAL 314(1): 40-46 25-Oct 2006
143. [Some experimental and modeling results of widely varying urban environments on train mobile radio communication](#) 0.511  
*Prasad, MVS N; Singh, R; Sarkar, SK; Sarma, AD*  
WIRELESS COMMUNICATIONS & MOBILE COMPUTING 6(1):105-112 FEB 2006
144. [Space weather impact on the equatorial and low latitude F-region ionosphere over India](#) 1.293  
*Dabas, R S; Das, R M; Vohra, VK; Devasia, CV*  
ANNALES GEOPHYSICAE 24(1):97-105 2006
145. [Spatial coherence properties of electroluminescence from Alq\(3\)-based organic light emitting diodes](#) 3.977  
*Saxena, K; Mehta, DS; Srivastava, R; Kamalasanan, MN*  
APPLIED PHYSICS LETTERS 89(6): 61124 7-Aug 2006
146. [Spin coated versus dip coated electrochromic tungsten oxide films: Structure, morphology, optical and electrochemical properties](#) 2.955  
*Deepa, M; Saxena, T K; Singh, DP; Sood, K N; Agnihotry, SA*  
ELECTROCHIMICA ACTA 51(10): 1974-1989 1-Feb 2006
147. [Spontaneous vortex phase \(SVP\) of ruthenocuprate high T<sub>c</sub> magneto-superconductors](#) 0.417  
*Awana, VPS; Kishan, H*  
PRAMANA-JOURNAL OF PHYSICS 66(1):247-250 JAN 2006
148. [Structural transition in nanostructured Eu<sub>2</sub>O<sub>3</sub> under high pressures](#) 2.194  
*Dilawar, N; Varandani, D; Pandey, VP; Kumar, M; Shivaprasad, SM; Sharma, PK; Bandyopadhyay, AK*  
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY 6 (1):105-113 JAN 2006
149. [Structural, dielectric and electromechanical properties of Cr-doped PLZT close to the morphotropic phase boundary region](#) 0.83  
*Shukla, AK; Agrawal, VK; Das, IML; Singh, J; Singh, DP; Sood, KN*  
PHASE TRANSITIONS 79(11): 875-887 NOV 2006



150. [Structural, dielectric and optical properties of N-\(2 chlorophenyl\)-\(1-propanamide\) \(NCP\) single crystals](#) 1.809  
*Srinivasan, P; Kanagasekaran, T; Vijayan, N; Balamurugan, R; Prakash, ARCS; Kannan, P; Gopalakrishnan, R; Ramasamy, P*  
 JOURNAL OF CRYSTAL GROWTH 297(2): 372-381 29-Dec 2006
151. [Structure-conductivity correlation in ferric chloride-doped poly\(3-hexylthiophene\)](#) 3.754  
*Singh, RK; Kumar, J; Singh, R; Kant, R; Rastogi, RC; Chand, S; Kumar, V*  
 NEW JOURNAL OF PHYSICS 8: 112 5-Jul 2006
152. [Studies on the growth and characterization of benzimidazole single crystals - vertical Bridgman technique](#) 1.809  
*Vijayan, N; Bhagavannarayana, G; Balamurugan, N; Babu, RR; Maurya, KK; Gopalakrishnan, R; Ramasamy, P*  
 JOURNAL OF CRYSTAL GROWTH 293(2): 318-323 1-Aug 2006
153. [Studies on the growth and characterization of L-asparaginium picrate \(LASP\) - A novel nonlinear optical crystal](#) 4.339  
*Srinivasan, P; Kanagasekaran, T; Gopalakrishnan, R; Bhagavannarayana, G; Ramasamy, P*  
 CRYSTAL GROWTH & DESIGN 6(7):1663-1670 5-Jul 2006
154. [Studies on the stabilities of various types of industrial pressure measuring devices](#) 0.178  
*Yadav, S; Prakash, O; Gupta, VK; Bandyopadhyay, A K*  
 JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH 65(9):721-724 SEP 2006
155. [A study of aerosol optical depth in the central Indian region \(17.3-8.6 degrees N\) during ISRO-GBP field campaign.](#) 2.63  
*Singh, S; Singh, B; Gera, BS; Srivastava, MK; Dutta, HN; Garg, SC; Singh, R*  
 ATMOSPHERIC ENVIRONMENT 40(34): 6494-6503 NOV 2006
156. [Study of structural and microstructural properties of SnO<sub>2</sub> powder for LPG and CNG gas sensors](#) 1.657  
*Srivastava, A; Jain, K; Rashmi; Srivastava, AK; Lakshmikummar, ST*  
 MATERIALS CHEMISTRY AND PHYSICS 97(1):85-90 10-May 2006
157. [Study of the electronic and optical bonding properties of doped SnO<sub>2</sub>](#) 1.104  
*Rai, R; Senguttuvan, T D; Lakshmikummar, S T*  
 COMPUTATIONAL MATERIALS SCIENCE 37 (1-2): 15-19 Aug 2006
158. [Surface and edge emission in organic light emitting devices](#) 1.48  
*Saxena, K; Mehta, DS; Srivastava, R; Kamalasanan, MN*  
 OPTICS COMMUNICATIONS 267(2) :416-421 15-Nov 2006
159. [Synthesis and characterization of greenish-blue light emitting lithium-boron complex for organic light emitting-diode applications](#) 0.277  
*Misra, A; Kumar, P; Kumar, L; Dhawan, SK; Kamalasanan, MN; Chandra, S*  
 INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES 13(4):357-361AUG 2006
160. [Synthesis and physical characterization of superconductivity-magnetism crossover compound RuSr<sub>2</sub>EuCeCu<sub>2</sub>O<sub>10</sub>-delta](#) 1.556

- Awana, VPS; Balamurugan, S; Chandra, LSS; Deshpande, A; Ganesan, V;  
Kishan, H; Takayama-Muromachi, E; Narlikar, A  
SOLID STATE COMMUNICATIONS 138(9): 452-456 2006
161. [Synthesis of silicon carbide nanofibers from pitch blended with sol-gel derived silica](#) 1.353  
Raman, V; Bhatia, G; Mishra, AK; Bhardwaj, S; Sood, KN  
MATERIALS LETTERS 60(29-30):3906-3911 DEC 2006
162. [Synthesis, growth of organic nonlinear optical crystal: Semicarbazone of 2-amino-5-chloro-benzophenone \(S2A5CB\) and its characterization](#) 1.809  
Sethuraman, K; Babu, RR; Vijayan, N; Gopalakrishnan, R; Ramasamy, P  
JOURNAL OF CRYSTAL GROWTH 290(2): 539-543 1-May 2006
163. [Temperature and magnetic field dependence of conduction noise in double layered La<sub>1.4</sub>Ca<sub>1.6</sub>Mn<sub>2</sub>O<sub>7</sub> manganite](#) 0.56  
Gupta, AK; Bhalla, GL; Khare, N  
FLUCTUATION AND NOISE LETTERS 6(4): L387-L394 20 DEC 2006
164. [Temperature effect on current-voltage characteristics of molecular organic tris\(8- hydroxyquinoline\) aluminium complex](#) 1.222  
Kumar, P; Misra, A; Kamalasanan, MN; Jain, SC; Srivastava, R; Kumar, V  
JAPANESE JOURNAL OF APPLIED PHYSICS PART 1-REGULAR PAPERS  
BRIEF COMMUNICATIONS & REVIEW PAPERS  
45(10A):7621-7624 OCT 2006
165. [Temporal and spatial variability of surface ozone at Delhi and Antarctica](#) 2.332  
Ghude, SD; Jain, SL; Arya, BC; Kulkarni, PS; Kumar, A; Ahmed, N  
INTERNATIONAL JOURNAL OF CLIMATOLOGY  
26(15): 2227-2242 DEC 2006
166. [Thermal stability of dehydrophenylalanine-containing model peptides as probed by infrared spectroscopy: a case study of an alpha-helical and a 3\(10\)-helical peptide](#) 1.616  
Gupta, A; Mehrotra, R; Klimov, E; Siesler, HW; Joshi, RM; Chauhan, VS  
CHEMISTRY & BIODIVERSITY 3(3):284-295 2006
167. [Thickness-independent memory effect in ferroelectric liquid crystals](#) 3.977  
Kaur, S; Thakur, A K; Bawa, S S; Biradar, AM  
APPLIED PHYSICS LETTERS 88(12) 122905 20-Mar 2006
168. [Towards electrochromic stability in sol-gel-derived tungsten oxide films: cyclic voltammetric and spectrophotometric investigations](#) 2.321  
Agnihotry, SA; Sharma, R; Kar, M; Saxena, T K  
SOLAR ENERGY MATERIALS AND SOLAR CELLS 90(1):15-24 6-Jan 2006
169. [Traceability of 100 kV dc high voltage measurements at NPL, India](#) 0.38  
Mahajan, SK; Ravat, KB; Kothari, PC  
INDIAN JOURNAL OF PURE & APPLIED PHYSICS 44(6):478-481 JUN 2006
170. [Tuning the properties of microwave dielectric resonators in a stack configuration](#) 1.353  
Kataria, ND; Jawahar, I N; Sebastian, M T  
MATERIALS LETTERS 60(21-22):2642-2644 SEP 2006
171. [Variations in the structural, optical and electrochemical properties of CeO<sub>2</sub>-TiO<sub>2</sub>](#) 1.436

[films as a function of TiO<sub>2</sub> content](#)

*Verma, A; Joshi, AG; Bakhshi, A K; Shivaprasad, S M; Agnihotry, S A*  
APPLIED SURFACE SCIENCE 252(14): 5131-5142 15-May 2006

172. [White organic LEDs and their recent advancements](#) 1.586  
*Misra, A; Kumar, P; Kamalasanan, M N; Chandra, S*  
SEMICONDUCTOR SCIENCE AND TECHNOLOGY  
21(7):R35- R47 JUL 2006
173. [X-ray photoelectron spectroscopy of superconducting RuSr<sub>2</sub>Eu<sub>1.5</sub>Ce<sub>0.5</sub>Cu<sub>2</sub>O<sub>10</sub> and nonsuperconducting RuSr<sub>2</sub>EuCeCu<sub>2</sub>O<sub>10</sub>](#) 3.107  
*Manju, U; Awana, VPS; Kishan, H; Sarma, DD*  
PHYSICAL REVIEW B 74(24):245106 DEC 2006

**\*STIF06 (Source Title impact Factor of 2006)**