

PAPERS PUBLISHED BY NPL RESEARCHERS IN SCI JOURNALS IN 2001

*SOURCE: Web of Science.....AS ON 15/04/2009

1. Title: [Goldstone mode behaviour in deformed helix ferroelectric liquid crystal materials](#)
Author(s): Biradar AM, Bawa SS, Haase W
Source: FERROELECTRICS Volume: 256 Pages: 201-210 Published: 2001
Times Cited: [3](#)
[Full Text](#)
2. Title: [Computing energy budget within a crop canopy from Penmann's formulae](#)
Author(s): Mohan M, Srivastava KK
Source: PROCEEDINGS OF THE INDIAN ACADEMY OF SCIENCES-EARTH AND PLANETARY SCIENCES Volume: 110 Issue: 2 Pages: 179-184 Published: JUN 2001
Times Cited: 0
[Full Text](#)
3. Title: [Moire fringes in InSb thin films deposited at 373 K](#)
Author(s): Sharma SK, Tomokiyo Y, Singh S, et al.
Source: JOURNAL OF MATERIALS SCIENCE LETTERS Volume: 20 Issue: 24 Pages: 2193-2196 Published: DEC 15 2001
Times Cited: [3](#)
4. Title: [Sensitivity of R-s-measurement of HTS thin films by three prime resonant techniques: Cavity resonator, dielectric resonator, and microstrip resonator](#)
Author(s): Misra M, Kataria ND, Pinto R, et al.
Source: IEEE TRANSACTIONS ON APPLIED SUPERCONDUCTIVITY Volume: 11 Issue: 4 Pages: 4128-4135 Published: DEC 2001
Times Cited: [8](#)
[Full Text](#)
5. Title: [Shielding effectiveness of conducting polyaniline coated fabrics at 101 GHz](#)
Author(s): Dhawan SK, Singh N, Venkatachalam S
Source: SYNTHETIC METALS Volume: 125 Issue: 3 Pages: 389-393 Published: DEC 20 2001
Times Cited: [7](#)
[Full Text](#)
6. Title: [Electronic transitions of di-hydroxy naphthalene molecules](#)
Author(s): Garg RK, Kumar P, Ram RS, et al.
Source: SPECTROSCOPY LETTERS Volume: 34 Issue: 6 Pages: 685-700 Published: 2001
Times Cited: 0
[Full Text](#)
7. Title: [FTIR investigations of tungsten oxide electrochromic films derived from organically modified peroxotungstic acid precursors](#)
Author(s): Sharma N, Deepa M, Varshney P, et al.
Source: THIN SOLID FILMS Volume: 401 Issue: 1-2 Pages: 45-51 Published: DEC 17 2001
Times Cited: [10](#)
[Full Text](#)
8. Title: [CCII based low voltage CMOS current sources for space plasma probes](#)

Author(s): Rajput SS, Jamuar SS

Source: MEASUREMENT SCIENCE & TECHNOLOGY Volume: 12 Issue: 12 Pages: N39-N42 Published: DEC 2001

Times Cited: [1](#)

[Full Text](#)

9. Title: [Indium/polypyrrole\(polypyrrole derivatives\) Schottky junctions](#)
Author(s): Kaur A, Singh R
Conference Information: Lowell Technical Symposium in Honor of Professor Sukant K Tripathy, FEB 15-16, 2001 UNIV MASSACHUSETTS, LOWELL, MASSACHUSETTS
Source: JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY Volume: 38 Issue: 12 Pages: 1329-1336 Published: 2001
Times Cited: 0
[Full Text](#)
10. Title: [Copper\(II\) ion-selective microelectrochemical transistor](#)
Author(s): Saxena V, Shirodkar V, Prakash R
Conference Information: National Symposium on Biomolecular Electronics-Interfacing Physics and Chemistry with Biology (BEIPCB), SEP 16-17, 1999 NATL PHYS LAB, NEW DELHI, INDIA
Source: APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY Volume: 96 Issue: 1-3
Pages: 63-69 Published: OCT-DEC 2001
Times Cited: [3](#)
[Full Text](#)
11. Title: [Effect of synthesis temperature and doping level on conductivity and structure of poly\(3-methyl thiophene\)](#)
Author(s): Narula AK, Singh R, Yadav KL, et al.
Conference Information: National Symposium on Biomolecular Electronics-Interfacing Physics and Chemistry with Biology (BEIPCB), SEP 16-17, 1999 NATL PHYS LAB, NEW DELHI, INDIA
Source: APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY Volume: 96 Issue: 1-3
Pages: 109-117 Published: OCT-DEC 2001
Times Cited: [3](#)
[Full Text](#)
12. Title: [Direct current conductivity studies on poly\(3-methyl thiophene\)](#)
Author(s): Yadav KL, Narula AK, Singh R, et al.
Conference Information: National Symposium on Biomolecular Electronics-Interfacing Physics and Chemistry with Biology (BEIPCB), SEP 16-17, 1999 NATL PHYS LAB, NEW DELHI, INDIA
Source: APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY Volume: 96 Issue: 1-3
Pages: 119-124 Published: OCT-DEC 2001
Times Cited: [3](#)
[Full Text](#)
13. Title: [Synthesis and characterization of fluoro-substituted polyaniline](#)
Author(s): Sharma AL, Gerard M, Singhal R, et al.
Conference Information: National Symposium on Biomolecular Electronics-Interfacing Physics and Chemistry with Biology (BEIPCB), SEP 16-17, 1999 NATL PHYS LAB, NEW DELHI, INDIA
Source: APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY Volume: 96 Issue: 1-3
Pages: 155-165 Published: OCT-DEC 2001

Times Cited: [8](#)

[Full Text](#)

14. Title: [Study of vibrational spectra of polyaniline doped with sulfuric acid and phosphoric acid](#)
Author(s): Arora M, Luthra V, Singh R, et al.
Conference Information: National Symposium on Biomolecular Electronics-Interfacing Physics and Chemistry with Biology (BEIPCB), SEP 16-17, 1999 NATL PHYS LAB, NEW DELHI, INDIA
Source: APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY Volume: 96 Issue: 1-3
Pages: 173-181 Published: OCT-DEC 2001
Times Cited: [4](#)
[Full Text](#)
15. Title: [Soluble substituted poly-p-phenylenes - A new material for application in light-emitting diodes - Synthesis and characterization](#)
Author(s): Verma A, Saxena K, Dhawan CSK, et al.
Conference Information: National Symposium on Biomolecular Electronics-Interfacing Physics and Chemistry with Biology (BEIPCB), SEP 16-17, 1999 NATL PHYS LAB, NEW DELHI, INDIA
Source: APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY Volume: 96 Issue: 1-3
Pages: 215-223 Published: OCT-DEC 2001
Times Cited: [1](#)
[Full Text](#)
16. Title: [Signal amplification by substrate recycling on polyaniline/lactate oxidase/lactate dehydrogenase bienzyme electrodes](#)
Author(s): Chaubey A, Pande KK, Pandey MK, et al.
Conference Information: National Symposium on Biomolecular Electronics-Interfacing Physics and Chemistry with Biology (BEIPCB), SEP 16-17, 1999 NATL PHYS LAB, NEW DELHI, INDIA
Source: APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY Volume: 96 Issue: 1-3
Pages: 239-248 Published: OCT-DEC 2001
Times Cited: [12](#)
[Full Text](#)
17. Title: [Coimmobilization of urease and glutamate dehydrogenase in electrochemically prepared polypyrrole-polyvinyl sulfonate films](#)
Author(s): Gambhir A, Gerard M, Mulchandani AK, et al.
Conference Information: National Symposium on Biomolecular Electronics-Interfacing Physics and Chemistry with Biology (BEIPCB), SEP 16-17, 1999 NATL PHYS LAB, NEW DELHI, INDIA
Source: APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY Volume: 96 Issue: 1-3
Pages: 249-257 Published: OCT-DEC 2001
Times Cited: [15](#)
[Full Text](#)
18. Title: [Preparation and characterization of poly-N-vinyl carbazole Langmuir-Blodgett films](#)
Author(s): Singhal R, Gambhir A, Annapoorani S
Conference Information: National Symposium on Biomolecular Electronics-Interfacing Physics and Chemistry with Biology (BEIPCB), SEP 16-17, 1999 NATL PHYS LAB, NEW DELHI, INDIA
Source: APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY Volume: 96 Issue: 1-3
Pages: 259-267 Published: OCT-DEC 2001

Times Cited: 0

[Full Text](#)

19. Title: [Immobilization of lactate dehydrogenase on tetraethylorthosilicate-derived sol-gel films for application to lactate biosensor](#)
Author(s): Chaubey A, Gerard M, Singh VS, et al.
Conference Information: National Symposium on Biomolecular Electronics-Interfacing Physics and Chemistry with Biology (BEIPCB), SEP 16-17, 1999 NATL PHYS LAB, NEW DELHI, INDIA
Source: APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY Volume: 96 Issue: 1-3
Pages: 293-301 Published: OCT-DEC 2001
Times Cited: [6](#)
20. Title: [Characterization of DNA immobilized on electrochemically prepared conducting polypyrrole-polyvinyl sulfonate films](#)
Author(s): Gambhir A, Gerard M, Jain SK, et al.
Conference Information: National Symposium on Biomolecular Electronics-Interfacing Physics and Chemistry with Biology (BEIPCB), SEP 16-17, 1999 NATL PHYS LAB, NEW DELHI, INDIA
Source: APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY Volume: 96 Issue: 1-3
Pages: 303-309 Published: OCT-DEC 2001
Times Cited: [9](#)
21. Title: [Bilayer effects on the electronic spectra of doped cuprates](#)
Author(s): Pratap A, Lal R, Govind, et al.
Source: PHYSICAL REVIEW B Volume: 64 Issue: 22 Article Number: 224512 Published: DEC 1 2001
Times Cited: [3](#)
22. Title: [Compensated sulphonated polyaniline - correlation of processibility and crystalline structure](#)
Author(s): Koul S, Dhawan SK, Chandra R
Source: SYNTHETIC METALS Volume: 124 Issue: 2-3 Pages: 295-299 Published: OCT 22 2001
Times Cited: [8](#)
23. Title: [Er_{1-y}CayBa₂Cu_{3-x}\(Fe, Zn\)_xO_{7-delta} superconductors: a study of microstructure and resistive transitions in a dc magnetic field](#)
Author(s): Gupta A, Chaudhuri S, Ganesan V, et al.
Source: SUPERCONDUCTOR SCIENCE & TECHNOLOGY Volume: 14 Issue: 11 Pages: 937-943 Published: NOV 2001
Times Cited: 0
24. Title: [Fly ash characteristics and its incorporation effects on germination of maize and rice](#)
Author(s): Sharma SK, Kalra N, Singh GR
Source: JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH Volume: 60 Issue: 12
Pages: 951-952 Published: DEC 2001
Times Cited: 0
25. Title: [Modeling of the refractive index and extinction coefficient of binary composite films](#)
Author(s): Kar M, Verma BS, Basu A, et al.
Source: APPLIED OPTICS Volume: 40 Issue: 34 Pages: 6301-6306 Published: DEC 1

2001

Times Cited: 2

[Full Text](#)

26. Title: [The central nightside Venus ionosphere: Dependence of ion concentration and plasma holes location on solar wind dynamic pressure](#)
Author(s): Mahajan KK, Oyama KI
Conference Information: C3 2/D3 8 Symposium of COSPAR Scientific Commission C held at the 33rd COPAR Scientific Assembly, JUL, 2000 WARSAW, POLAND
Source: PLANETARY IONOSPHERES Book Series: ADVANCES IN SPACE RESEARCH
Volume: 27 Issue: 11 Pages: 1863-1868 Published: 2001
Times Cited: 0
[Full Text](#)
27. Title: [Preparation and characterization of Ag-added Bi_{1.84}Pb_{0.4}Sr₂Ca_{2.2}Cu₃O_{10+x} bulk tube conductors for cryogen free superconducting magnet](#)
Author(s): Ekbote SN, Padam GK, Sharma M, et al.
Source: BULLETIN OF MATERIALS SCIENCE Volume: 24 Issue: 6 Pages: 603-609
Published: DEC 2001
Times Cited: 1
[Full Text](#)
28. Title: [Indian Ocean Experiment: An integrated analysis of the climate forcing and effects of the great Indo-Asian haze](#)
Author(s): Ramanathan V, Crutzen PJ, Lelieveld J, et al.
Source: JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES Volume: 106 Issue: D22 Pages: 28371-28398 Published: NOV 27 2001
Times Cited: 381
[Full Text](#)
29. Title: [Effect of nickel ions on electron paramagnetic resonance, DC conductivity and thermal behavior in vanadyl doped NiO center dot Li₂O center dot B₂O₃ glasses](#)
Author(s): Khasa S, Seth VP, Agarwal A, et al.
Source: MATERIALS CHEMISTRY AND PHYSICS Volume: 72 Issue: 3 Pages: 366-373
Published: DEC 1 2001
Times Cited: 18
[Full Text](#)
30. Title: [Polyaniline thin film-porous silicon sensors for detection of microorganisms](#)
Author(s): Misra SCK, Angelucci R
Source: INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 39 Issue: 11
Pages: 726-730 Published: NOV 2001
Times Cited: 1
31. Title: [Low voltage, low power, high performance current mirror for portable analogue and mixed mode applications](#)
Author(s): Rajput SS, Jamuar SS
Source: IEE PROCEEDINGS-CIRCUITS DEVICES AND SYSTEMS Volume: 148 Issue: 5
Pages: 273-278 Published: OCT 2001
Times Cited: 18
[Full Text](#)
32. Title: [Realization of different carbon nanostructures by a microwave plasma enhanced chemical vapor deposition technique](#)
Author(s): Kumar S, Rauthan CMS, Srivatsa KMK, et al.

Conference Information: Meeting of the International Workshop on Nanomaterials, FEB 05-08, 2001 CALCUTTA, INDIA

Source: APPLIED SURFACE SCIENCE Volume: 182 Issue: 3-4 Special Issue: Sp. Iss. SI
Pages: 326-332 Published: OCT 22 2001

Times Cited: [16](#)

[Full Text](#)

33. Title: [Control of the crystallite size and passivation of defects in porous silicon by a novel method](#)

Author(s): Sharma SN, Banerjee R, Das D, et al.

Conference Information: Meeting of the International Workshop on Nanomaterials, FEB 05-08, 2001 CALCUTTA, INDIA

Source: APPLIED SURFACE SCIENCE Volume: 182 Issue: 3-4 Special Issue: Sp. Iss. SI
Pages: 333-337 Published: OCT 22 2001

Times Cited: [8](#)

[Full Text](#)

34. Title: [Surface order and structure studies of polymer-solid interface](#)

Author(s): Jain SC, Tanwar VK, Dixit V, et al.

Conference Information: Meeting of the International Workshop on Nanomaterials, FEB 05-08, 2001 CALCUTTA, INDIA

Source: APPLIED SURFACE SCIENCE Volume: 182 Issue: 3-4 Special Issue: Sp. Iss. SI
Pages: 350-356 Published: OCT 22 2001

Times Cited: [10](#)

[Full Text](#)

35. Title: [Magnetic characterization of melt spun nanocomposite Nd₄Fe_{77.5}B_{18.5} alloys](#)

Author(s): Sankaranarayanan VK, Hoa LM, Rastogi AC

Conference Information: Meeting of the International Workshop on Nanomaterials, FEB 05-08, 2001 CALCUTTA, INDIA

Source: APPLIED SURFACE SCIENCE Volume: 182 Issue: 3-4 Special Issue: Sp. Iss. SI
Pages: 381-385 Published: OCT 22 2001

Times Cited: [2](#)

[Full Text](#)

36. Title: [Investigation of alkaline nature of rain water in India](#)

Author(s): Kulshrestha UC, Kulshrestha MJ, Sekar R, et al.

Conference Information: 6th International Conference on Acidic Deposition, DEC 10-16, 2000 TSUKUBA, JAPAN

Source: WATER AIR AND SOIL POLLUTION Volume: 130 Issue: 1-4 Pages: 1685-1690
Part: Part 3 Published: AUG-SEP 2001

Times Cited: [4](#)

[Full Text](#)

37. Title: [Technical note - Sodar studies of some atmospheric boundary layer parameters during a solar eclipse](#)

Author(s): Bandyopadhyay LK, Gera BS, Saxena N, et al.

Source: INTERNATIONAL JOURNAL OF REMOTE SENSING Volume: 22 Issue: 17
Pages: 3611-3617 Published: NOV 20 2001

Times Cited: [1](#)

[Full Text](#)

38. Title: [Magnetic properties of undoped YBa₂Cu₃O_{6+x} system](#)

Author(s): Govind, Pratap A, Ajay, et al.

Source: EUROPEAN PHYSICAL JOURNAL B Volume: 23 Issue: 2 Pages: 153-158
Published: SEP 2001

Times Cited: 0

[Full Text](#)

39. Title: [Surface-modified CuO layer in size-stabilized single-phase Cu₂O nanoparticles](#)

Author(s): Balamurugan B, Mehta BR, Shivaprasad SM

Source: APPLIED PHYSICS LETTERS Volume: 79 Issue: 19 Pages: 3176-3178

Published: NOV 5 2001

Times Cited: [41](#)

[Full Text](#)

40. Title: [Immobilization of cholesterol oxidase and potassium ferricyanide on dodecylbenzene sulfonate ion-doped polypyrrole film](#)

Author(s): Kumar A, Rajesh, Chaubey A, et al.

Source: JOURNAL OF APPLIED POLYMER SCIENCE Volume: 82 Issue: 14 Pages: 3486-3491
Published: DEC 27 2001

Times Cited: [28](#)

[Full Text](#)

41. Title: [Effect of PVF interface barrier layer on TSD behaviour of a-Se films](#)

Author(s): Chand S, Sharma GD, Dwivedi S, et al.

Source: JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 34 Issue: 18 Pages: 2822-2824
Published: SEP 21 2001

Times Cited: [2](#)

[Full Text](#)

42. Title: [Ultrasound study of bone with cystic lesion](#)

Author(s): Bhatia KG, Singh VR, Bansal MC, et al.

Source: JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH Volume: 60 Issue: 10
Pages: 802-805
Published: OCT 2001

Times Cited: [2](#)

43. Title: [Gd₂O₃, Ga₂O₃\(Gd₂O₃\), Y₂O₃, and Ga₂O₃, as high-k gate dielectrics on SiGe: A comparative study](#)

Author(s): Pal S, Ray SK, Chakraborty BR, et al.

Source: JOURNAL OF APPLIED PHYSICS Volume: 90 Issue: 8 Pages: 4103-4107
Published: OCT 15 2001

Times Cited: [21](#)

[Full Text](#)

44. Title: [Effectiveness of anisotropic etching of silicon in aqueous alkaline solutions](#)

Author(s): Singh PK, Kumar R, Lal M, et al.

Source: SOLAR ENERGY MATERIALS AND SOLAR CELLS Volume: 70 Issue: 1 Pages: 103-113
Published: DEC 2001

Times Cited: [6](#)

[Full Text](#)

45. Title: [Physical characterization of pure and substituted tetragonal LaBaCaCu₃O_{7-δ} superconductor](#)

Author(s): Awana VPS, Narlikar AV

Source: MODERN PHYSICS LETTERS B Volume: 15 Issue: 14 Pages: 415-453
Published: JUN 20 2001

Times Cited: [4](#)

[Full Text](#)

46. Title: [High-pressure band structure and structural stability of EuTe](#)
Author(s): Singh D, Srivastava V, Rajagopalan M, et al.
Source: PHYSICAL REVIEW B Volume: 64 Issue: 11 Article Number: 115110 Published: SEP 15 2001
Times Cited: [12](#)
[Full Text](#)
47. Title: [Indian MST radar observations of gravity wave activities associated with tropical convection](#)
Author(s): Dhaka SK, Devrajan PK, Shibagaki Y, et al.
Source: JOURNAL OF ATMOSPHERIC AND SOLAR-TERRESTRIAL PHYSICS Volume: 63 Issue: 15 Pages: 1631-1642 Published: OCT 2001
Times Cited: [12](#)
[Full Text](#)
48. Title: [Magnetization and heat capacity of R_{1/3}Sr_{2/3}FeO₃-delta \(R = La and Pr\)](#)
Author(s): Awana VPS, Karppinen M, Yamauchi H, et al.
Conference Information: 8th Joint Magnetism and Magnetic Materials International Magnetism Conference (MMM-INTERMAG), JAN 07-11, 2001 SAN ANTONIO, TEXAS
Source: IEEE TRANSACTIONS ON MAGNETICS Volume: 37 Issue: 4 Pages: 2163-2165 Part: Part 1 Published: JUL 2001
Times Cited: 0
[Full Text](#)
49. Title: [Experimental observation of the phenomenon of spectral switch](#)
Author(s): Kandpal HC
Source: JOURNAL OF OPTICS A-PURE AND APPLIED OPTICS Volume: 3 Issue: 4 Pages: 296-299 Published: JUL 2001
Times Cited: [43](#)
[Full Text](#)
50. Title: [Conduction noise in La_{0.67}Ca_{0.33}MnO₃ film](#)
Author(s): Khare N, Moharil UP, Gupta AK
Source: JOURNAL OF APPLIED PHYSICS Volume: 90 Issue: 6 Pages: 2853-2856 Published: SEP 15 2001
Times Cited: [6](#)
51. Title: [Interfacial charge trapping in extrinsic Y₂O₃/SiO₂ bilayer gate dielectric based MIS devices on Si\(100\)](#)
Author(s): Rastogi AC, Sharma RN
Source: SEMICONDUCTOR SCIENCE AND TECHNOLOGY Volume: 16 Issue: 8 Pages: 641-650 Published: AUG 2001
Times Cited: [9](#)
[Full Text](#)
52. Title: [Ultrasonic characteristics of Leiomyoma Uteri in vitro](#)
Author(s): Bhatia K, Singh VR
Source: ULTRASOUND IN MEDICINE AND BIOLOGY Volume: 27 Issue: 7 Pages: 983-987 Published: JUL 2001
Times Cited: [8](#)
[Full Text](#)
53. Title: [Versatile microwave PECVD technique for deposition of DLC and other ordered carbon nanostructures](#)
Author(s): Kumar S, Rauthan CMS, Dixit PN, et al.
Source: VACUUM Volume: 63 Issue: 3 Pages: 433-439 Published: AUG 2 2001

Times Cited: [9](#)

[Full Text](#)

54. Title: [Dimensionality and lock-in transition in \$Tl_2Ba_2CuO_6\$ single crystal](#)

Author(s): Okram GS, Terakura C, Uji S, et al.

Source: SUPERCONDUCTOR SCIENCE & TECHNOLOGY Volume: 14 Issue: 7 Pages: 452-456 Published: JUL 2001

Times Cited: [1](#)

[Full Text](#)

55. Title: [Parametric and temperature-sensitivity study of resonance frequency of microstrip antennas using spectral-domain method](#)

Author(s): Kedar A, Gupta KK, Srivastava GP, et al.

Source: MICROWAVE AND OPTICAL TECHNOLOGY LETTERS Volume: 30 Issue: 4 Pages: 276-280 Published: AUG 20 2001

Times Cited: 0

[Full Text](#)

56. Title: [Role of dipole-dipole interaction on the magnetic dynamics of anisotropic layered cuprate antiferromagnets](#)

Author(s): Sharma M, Govind, Pratap A, et al.

Source: PHYSICA STATUS SOLIDI B-BASIC RESEARCH Volume: 226 Issue: 1 Pages: 193-202 Published: JUL 2001

Times Cited: [2](#)

[Full Text](#)

57. Title: [Empirical models of parameters \$B_0\$, \$B_1\$ from Arecibo radar measurements](#)

Author(s): Mahajan KK, Sethi NK

Conference Information: International Reference Ionosphere Workshop (IRI), AUG 09-12, 1999 UNIV MASSACHUSETTS, CTR ATMOSPHER RES, LOWELL, MASSACHUSETTS

Source: INTERNATIONAL REFERENCE IONOSPHERE - WORKSHOP 1999 Book Series: ADVANCES IN SPACE RESEARCH Volume: 27 Issue: 1 Pages: 17-20 Published: 2001

Times Cited: [4](#)

[Full Text](#)

58. Title: [Comparative study of TEC with IRI model for solar minimum period at low latitude](#)

Author(s): Sethi NK, Pandey VK, Mahajan KK

Conference Information: International Reference Ionosphere Workshop (IRI), AUG 09-12, 1999 UNIV MASSACHUSETTS, CTR ATMOSPHER RES, LOWELL, MASSACHUSETTS

Source: INTERNATIONAL REFERENCE IONOSPHERE - WORKSHOP 1999 Book Series: ADVANCES IN SPACE RESEARCH Volume: 27 Issue: 1 Pages: 45-48 Published: 2001

Times Cited: [4](#)

[Full Text](#)

59. Title: [Equivalent slab thickness and its variability: A study with incoherent scatter measurements](#)

Author(s): Pandey VK, Sethi NK, Mahajan KK

Conference Information: International Reference Ionosphere Workshop (IRI), AUG 09-12, 1999 UNIV MASSACHUSETTS, CTR ATMOSPHER RES, LOWELL, MASSACHUSETTS

Source: INTERNATIONAL REFERENCE IONOSPHERE - WORKSHOP 1999 Book Series: ADVANCES IN SPACE RESEARCH Volume: 27 Issue: 1 Pages: 61-64 Published: 2001

Times Cited: [2](#)

60. Title: [Dynamic boundaries of the ionosphere variability](#)

Author(s): Gulyaeva TL, Mahajan KK

Conference Information: International Reference Ionosphere Workshop (IRI), AUG 09-12, 1999
UNIV MASSACHUSETTS, CTR ATMOSPHER RES, LOWELL, MASSACHUSETTS
Source: INTERNATIONAL REFERENCE IONOSPHERE - WORKSHOP 1999 Book Series:
ADVANCES IN SPACE RESEARCH Volume: 27 Issue: 1 Pages: 91-94 Published: 2001
Times Cited: [2](#)

[Full Text](#)

61. Title: [Flyash incorporation effect on soil health and yield of maize and rice](#)
Author(s): Sharma SK, Kalra N, Singh GR
Source: JOURNAL OF SCIENTIFIC & INDUSTRIAL RESEARCH Volume: 60 Issue: 7
Pages: 580-585 Published: JUL 2001
Times Cited: [2](#)
62. Title: [Microstructural features associated with spray atomization and deposition of Al-Mn-Cr-Si alloy](#)
Author(s): Srivastava AK, Ojha SN, Ranganathan S
Source: JOURNAL OF MATERIALS SCIENCE Volume: 36 Issue: 14 Pages: 3335-3341
Published: JUL 2001
Times Cited: [6](#)
63. Title: [Microstructural characterization of rapidly solidified Al-Fe-Si, Al-V-Si, and Al-Fe-V-Si alloys](#)
Author(s): Srivastava AK, Ranganathan S
Source: JOURNAL OF MATERIALS RESEARCH Volume: 16 Issue: 7 Pages: 2103-2117
Published: JUL 2001
Times Cited: [6](#)
64. Title: [Irreversibility line and lock-in transition in \$Tl_2Ba_2CuO_6\$ single crystals](#)
Author(s): Okram GS, Terakura C, Uji S, et al.
Source: PHYSICA C Volume: 356 Issue: 1-2 Pages: 115-121 Published: JUL 1 2001
Times Cited: [2](#)
65. Title: [Biomass and combustion characteristics of secondary mixed deciduous forests in Eastern Ghats of India](#)
Author(s): Prasad VK, Kant Y, Gupta PK, et al.
Source: ATMOSPHERIC ENVIRONMENT Volume: 35 Issue: 18 Pages: 3085-3095
Published: JUN 2001
Times Cited: [3](#)
66. Title: [Synthesis and characterization of polynitrosoaniline](#)
Author(s): Sharma AL, Annapoorni S, Malhotra BD
Source: POLYMER Volume: 42 Issue: 19 Pages: 8307-8310 Published: SEP 2001
Times Cited: [6](#)
67. Title: [Temperature dependence of magnetization and optical magnon gap in bilayer antiferromagnetic \$YBa_2Cu_3O_6\$](#)
Author(s): Pratap A, Govind, Ajay, et al.
Source: PHYSICA C Volume: 355 Issue: 1-2 Pages: 31-38 Published: JUN 1 2001
Times Cited: [3](#)
68. Title: [Vortex lock-in transition in \$Tl_2Ba_2CuO_6\$ superconductor and vortex phase diagram](#)

Author(s): Okram GS, Aoki H, Xu M, et al.
Source: PHYSICA C Volume: 355 Issue: 1-2 Pages: 65-76 Published: JUN 1 2001
Times Cited: [2](#)

[Full Text](#)

69. Title: [Synthesis of methyltriethoxysilane \(MTEOS\) derived SiC incorporated carbon-carbon composites](#)

Author(s): Dhakate SR, Raman V, Dhami TL, et al.
Source: JOURNAL OF MATERIALS SCIENCE LETTERS Volume: 20 Issue: 9 Pages: 811-813 Published: 2001
Times Cited: 0

70. Title: [On the factors affecting the high temperature insulator-metal transition in rare-earth manganites](#)

Author(s): Bhattacharya D, Das P, Pandey A, et al.
Source: JOURNAL OF PHYSICS-CONDENSED MATTER Volume: 13 Issue: 20 Pages: L431-L439 Published: MAY 21 2001
Times Cited: [6](#)

[Full Text](#)

71. Title: [Restoring forest cover on degraded land: Three dimensional plantations](#)

Author(s): Soni V
Source: AMBIO Volume: 30 Issue: 3 Pages: 167-167 Published: MAY 2001
Times Cited: 0

[Full Text](#)

72. Title: [Regional and sectoral assessment of greenhouse gas emissions in India](#)

Author(s): Garg A, Bhattacharya S, Shukla PR, et al.
Source: ATMOSPHERIC ENVIRONMENT Volume: 35 Issue: 15 Pages: 2679-2695
Published: MAY 2001
Times Cited: [22](#)

[Full Text](#)

73. Title: [Effect of protonic acids on the dielectric spectroscopy of polyaniline](#)

Author(s): Luthra V, Singh R, Mansingh A
Conference Information: 16th International Conference on Science and Technology of Synthetic Metals (ICSM 2000), JUL 15-21, 2000 GASTEIN, AUSTRIA
Source: SYNTHETIC METALS Volume: 119 Issue: 1-3 Special Issue: Sp. Iss. SI Pages: 291-292 Published: MAR 15 2001
Times Cited: [2](#)

[Full Text](#)

74. Title: [Interplay of single particle and Cooper pair tunnelings on the superconducting state of layered high-T_c cuprates](#)

Author(s): Govind, Ajay, Joshi SK
Source: PHYSICA C Volume: 353 Issue: 3-4 Pages: 289-296 Published: MAY 15 2001
Times Cited: 0

[Full Text](#)

75. Title: [Synthesis and characterization of a copolymer: Poly\(aniline-co-fluoroaniline\)](#)

Author(s): Sharma AL, Saxena V, Annapoorni S, et al.
Source: JOURNAL OF APPLIED POLYMER SCIENCE Volume: 81 Issue: 6 Pages: 1460-1466 Published: AUG 8 2001
Times Cited: [33](#)

[Full Text](#)

76. Title: [Introductory note](#)
Author(s): Mitra AP
Source: CURRENT SCIENCE Volume: 80 Pages: 3-6 Supplement: Suppl. S Published: APR 10 2001
Times Cited: [4](#)
77. Title: [Study of the variability of convective heating and moistening using Simplified Arakawa-Schubert convection scheme during INDOEX IFP-99](#)
Author(s): Patra AK, Das S, George JP, et al.
Source: CURRENT SCIENCE Volume: 80 Pages: 25-29 Supplement: Suppl. S Published: APR 10 2001
Times Cited: 0
78. Title: [Spatial distribution of meteorological parameters around 900 hPa level over the Arabian Sea and Indian Ocean regions during the IFP-99 of the INDOEX programme as revealed from the constant altitude balloon experiments conducted from Goa](#)
Author(s): Appu KS, Nair SM, Kunhikrishnan PK, et al.
Source: CURRENT SCIENCE Volume: 80 Pages: 89-96 Supplement: Suppl. S Published: APR 10 2001
Times Cited: [4](#)
79. Title: [Latitude gradient in aerosol properties across the inter tropical convergence zone: Results from the joint Indo-US study onboard Sagar Kanya](#)
Author(s): Jayaraman A, Satheesh SK, Mitra AP, et al.
Source: CURRENT SCIENCE Volume: 80 Pages: 128-137 Supplement: Suppl. S Published: APR 10 2001
Times Cited: [37](#)
80. Title: [Measurements of carbonaceous aerosols at urban and remote marine sites](#)
Author(s): Sarkar AK, Jain M, Parashar DC, et al.
Source: CURRENT SCIENCE Volume: 80 Pages: 176-179 Supplement: Suppl. S Published: APR 10 2001
Times Cited: [6](#)
81. Title: [Chemical characteristics and source apportionment of aerosols over Indian Ocean during INDOEX-1999](#)
Author(s): Kulshrestha UC, Jain M, Sekar R, et al.
Source: CURRENT SCIENCE Volume: 80 Pages: 180-185 Supplement: Suppl. S Published: APR 10 2001
Times Cited: [6](#)
82. Title: [Study of trace gases and aerosol emissions due to biomass burning at shifting cultivation sites in East Godavari District \(Andhra Pradesh\) during INDOEX IFP-99](#)
Author(s): Gupta PK, Prasad VK, Kant Y, et al.
Source: CURRENT SCIENCE Volume: 80 Pages: 186-196 Supplement: Suppl. S Published: APR 10 2001
Times Cited: [2](#)
83. Title: [Observations of vertical distribution of tropospheric ozone over Indian Ocean and its comparison with continental profiles during INDOEX FFP-1998 and IFP-1999](#)
Author(s): Peshin SK, Mandal TK, Smit HGJ, et al.
Source: CURRENT SCIENCE Volume: 80 Pages: 197-208 Supplement: Suppl. S Published: APR 10 2001
Times Cited: [4](#)
84. Title: [First time observation of latitudinal and vertical distribution of infra-red radiative flux using radiometer sonde over Indian Ocean during the INDOEX IFP-1999 and its comparison](#)

[with other Indian stations](#)

Author(s): Kumar R, Chaudhury S, Peshin SK, et al.

Source: CURRENT SCIENCE Volume: 80 Pages: 209-215 Supplement: Suppl. S

Published: APR 10 2001

Times Cited: 0

85. Title: [Conducting polyaniline composite: a reusable sensor material for aqueous ammonia](#)

Author(s): Koul S, Chandra R, Dhawan SK

Source: SENSORS AND ACTUATORS B-CHEMICAL Volume: 75 Issue: 3 Pages: 151-159 Published: MAY 15 2001

Times Cited: [54](#)

[Full Text](#)

86. Title: [Effect of thermal conditions on microstructural features during spray forming](#)

Author(s): Srivastava AK, Anandani RC, Dhar A, et al.

Conference Information: 10th International Conference on Rapidly Quenched and Metastable Materials (RQ10), AUG 23-27, 1999 BANGALORE, INDIA

Source: MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING Volume: 304 Special Issue: Sp. Iss. SI Pages: 587-591 Published: MAY 31 2001

Times Cited: [9](#)

[Full Text](#)

87. Title: [Sound transmission through panels - an experimental study](#)

Author(s): Singh M, Pujara KK, Mohanan V

Source: INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 39 Issue: 4 Pages: 235-239 Published: APR 2001

Times Cited: 0

88. Title: [X-ray diffraction studies of Ga₂Te₃](#)

Author(s): Singh DP, Khan MY

Source: INDIAN JOURNAL OF ENGINEERING AND MATERIALS SCIENCES Volume: 8 Issue: 1 Pages: 46-49 Published: FEB 2001

Times Cited: [1](#)

89. Title: [Improvement in properties of La_{0.67}Ca_{0.33}MnO₃ polycrystalline film due to silver addition](#)

Author(s): Khare N, Singh HK, Siwach PK, et al.

Source: JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 34 Issue: 5 Pages: 673-677 Published: MAR 7 2001

Times Cited: [5](#)

[Full Text](#)

90. Title: [Synthesis of silicon carbide incorporated carbon/carbon composites](#)

Author(s): Raman V, Dhakate SR, Bahl OP

Source: JOURNAL OF MATERIALS SCIENCE LETTERS Volume: 20 Issue: 4 Pages: 315-317 Published: FEB 2001

Times Cited: [2](#)

91. Title: [Vortex types and their phase diagram in Tl₂Ba₂CuO₆ single crystals](#)

Author(s): Okram GS, Aoki H, Xu M, et al.

Source: SOLID STATE COMMUNICATIONS Volume: 118 Issue: 1 Pages: 47-51 Published: 2001

Times Cited: [1](#)

[Full Text](#)

92. Title: [Temperature effects on attenuation due to rain for millimeter and centimeter waves](#)
Author(s): Mali P, Sarkar SK, Bhattacharya AB
Source: INTERNATIONAL JOURNAL OF INFRARED AND MILLIMETER WAVES
Volume: 22 Issue: 1 Pages: 153-171 Published: JAN 2001
Times Cited: 0
[Full Text](#)
93. Title: [Rain height in relation to 0 degrees C isotherm height over some Indian tropical locations and rain attenuation for an Indian south coastal station for microwave and millimeter wave communication systems](#)
Author(s): Mondal NC, Sarkar SK, Bhattacharya AB, et al.
Source: INTERNATIONAL JOURNAL OF INFRARED AND MILLIMETER WAVES
Volume: 22 Issue: 3 Pages: 495-504 Published: MAR 2001
Times Cited: [3](#)
94. Title: [Propagation losses in silica-on-silicon optical waveguides - Theoretical analysis and comparison with experimental results](#)
Author(s): Basu A, Sarkar SK, Bhattacharyya R
Source: INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 39 Issue: 3 Pages: 137-148 Published: MAR 2001
Times Cited: 0
95. Title: [On catalytic action of nickel, copper and nickel-copper alloy in graphite-diamond phase transformation](#)
Author(s): Singhal SK, Singh BP, Chopra R, et al.
Source: INDIAN JOURNAL OF PURE & APPLIED PHYSICS Volume: 39 Issue: 3 Pages: 163-169 Published: MAR 2001
Times Cited: 0
96. Title: [Effect of heating rate on the char yield and pore structure of chars prepared from viscose rayon cloth](#)
Author(s): Kumar K, Saxena RK, Sarkar AK
Source: INDIAN JOURNAL OF CHEMICAL TECHNOLOGY Volume: 8 Issue: 2 Pages: 149-152 Published: MAR 2001
Times Cited: 0
97. Title: [Cobaltous oxide infiltrated yttrium iron garnet thin films as high-coercivity media for data storage](#)
Author(s): Rastogi AC, Moorthy VN, Dhara S
Source: APPLIED PHYSICS LETTERS Volume: 78 Issue: 12 Pages: 1709-1711
Published: MAR 19 2001
Times Cited: [2](#)
[Full Text](#)
98. Title: [On 30 MHz TE₁₁ mode piston attenuator](#)
Author(s): Swarup R, Anand JR, Negi PS
Source: REVIEW OF SCIENTIFIC INSTRUMENTS Volume: 72 Issue: 3 Pages: 1858-1861 Published: MAR 2001
Times Cited: 0
[Full Text](#)
99. Title: [Reduction in conduction noise of La-Ca-Mn-O polycrystalline films due to Ag addition](#)
Author(s): Khare N, Moharil UP, Gupta AK, et al.
Source: JOURNAL OF APPLIED PHYSICS Volume: 89 Issue: 6 Pages: 3532-3534
Published: MAR 15 2001

Times Cited: [9](#)

[Full Text](#)

100. Title: [Improvement in the mechanical properties of polyacrylonitrile \(PAN\)-based carbon fibers after fluorination \(vol 114, pg 197, 2000\)](#)

Author(s): Mathur RB, Gupta V, Bahl OP, et al.

Source: SYNTHETIC METALS Volume: 118 Issue: 1-3 Pages: 197-197 Published: MAR 1 2001

Times Cited: 0

[Full Text](#)

101. Title: [Quantum size effect in silicon nanocrystals prepared by dc magnetron sputtering](#)

Author(s): Bera SK, Chaudhuri S, Bandyopadhyay AK, et al.

Source: JOURNAL OF PHYSICS D-APPLIED PHYSICS Volume: 34 Issue: 3 Pages: 273-278 Published: FEB 7 2001

Times Cited: [11](#)

[Full Text](#)

102. Title: [Tl valence change and T-c enhancement \(\$> 130\$ K\) in \$\(\text{Cu,Tl}\)\text{Ba}_2\text{Ca}_2\text{Cu}_3\text{O}_y\$ due to nitrogen annealing](#)

Author(s): Tanaka K, Iyo A, Terada N, et al.

Source: PHYSICAL REVIEW B Volume: 63 Issue: 6 Article Number: 064508 Published: FEB 1 2001

Times Cited: [17](#)

103. Title: [Sub-region \(district\) and sector level SO₂ and NO_x emissions for India: assessment of inventories and mitigation flexibility](#)

Author(s): Garg A, Shukla PR, Bhattacharya S, et al.

Source: ATMOSPHERIC ENVIRONMENT Volume: 35 Issue: 4 Pages: 703-713 Published: 2001

Times Cited: [39](#)

[Full Text](#)

104. Title: [The Indian Ocean Experiment: Widespread air pollution from South and Southeast Asia](#)

Author(s): Lelieveld J, Crutzen PJ, Ramanathan V, et al.

Source: SCIENCE Volume: 291 Issue: 5506 Pages: 1031-1036 Published: FEB 9 2001

Times Cited: [220](#)

[Full Text](#)

105. Title: [Comparative study of electron density from incoherent scatter measurements at Arecibo with the IRI-95 model during solar maximum](#)

Author(s): Sethi NK, Pandey VK

Source: ANNALES GEOPHYSICAE-ATMOSPHERES HYDROSPHERES AND SPACE SCIENCES Volume: 18 Issue: 12 Pages: 1630-1634 Published: JAN 2001

Times Cited: [6](#)

[Full Text](#)

106. Title: [Long term ionospheric electron content variations over Delhi](#)

Author(s): Gupta JK, Singh L

Source: ANNALES GEOPHYSICAE-ATMOSPHERES HYDROSPHERES AND SPACE SCIENCES Volume: 18 Issue: 12 Pages: 1635-1644 Published: JAN 2001

Times Cited: [6](#)

[Full Text](#)

107. Title: [High pressure Raman studies on n-GaAs](#)

Author(s): Varandani D, Dilawar N, Chakraborty BR, et al.

Source: JOURNAL OF MATERIALS SCIENCE LETTERS Volume: 20 Issue: 1 Pages: 5-7
Published: JAN 2001

Times Cited: [1](#)

108. Title: [Co-immobilization on of cholesterol oxidase and horseradish peroxidase in a sol-gel film \(vol 414, pg 43, 2000\)](#)

Author(s): Kumar A, Rajesh, Malhotra BD, et al.

Source: ANALYTICA CHIMICA ACTA Volume: 427 Issue: 1 Pages: 143-143 Published: JAN 19 2001

Times Cited: 0

[Full Text](#)

109. Title: [Sintering behavior of alumina rich cordierite porous ceramics](#)

Author(s): Senguttuvan T, Kalsi HS, Sharda SK, et al.

Conference Information: 7th International Conference on Sintering, FEB 22-25, 2000 NEW DELHI, INDIA

Source: MATERIALS CHEMISTRY AND PHYSICS Volume: 67 Issue: 1-3 Special Issue: Sp. Iss. SI Pages: 146-150 Published: JAN 15 2001

Times Cited: [8](#)

[Full Text](#)

110. Title: [Precipitation and aerosol studies in India](#)

Author(s): Parashar DC, Kulshrestha UC, Jain M

Source: ENVIRONMENTAL MONITORING AND ASSESSMENT Volume: 66 Issue: 1
Pages: 47-61 Published: JAN 2001

Times Cited: [10](#)

[Full Text](#)