

Pratap Raychaudhuri

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

144
papers

3,860
citations

32
h-index

60
g-index

156
ext. papers

4,254
ext. citations

3
avg, IF

4.79
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 144 | Correlated carrier dynamics in a superconducting van der Waals heterostructure. <i>Applied Physics Letters</i> , 2022 , 120, 183101 | 3.4 | |
| 143 | Transition from three- to two-dimensional Ising superconductivity in few-layer NbSe ₂ by proximity effect from van der Waals heterostacking. <i>Physical Review B</i> , 2021 , 104, | 3.3 | 1 |
| 142 | Andreev Reflections in NbN/Graphene Junctions under Large Magnetic Fields. <i>Nano Letters</i> , 2021 , 21, 8229-8235 | 11.5 | 0 |
| 141 | Superconductivity in amorphous Re Zr (x \bar{b}) thin films. <i>Journal of Alloys and Compounds</i> , 2021 , 877, 160258.7 | 5.7 | 0 |
| 140 | Collective flux pinning in hexatic vortex fluid in a-MoGe thin film. <i>Journal of Physics Condensed Matter</i> , 2020 , 32, 075601 | 1.8 | 3 |
| 139 | Hall effect for Dirac electrons in graphene exposed to an Abrikosov flux lattice. <i>Europhysics Letters</i> , 2020 , 132, 37002 | 1.6 | 0 |
| 138 | An inertial model of vortices to explain the extreme sensitivity of hexatic vortex fluid to low frequency ac excitation. <i>Physica C: Superconductivity and Its Applications</i> , 2020 , 578, 1353740 | 1.3 | 1 |
| 137 | Coplanar cavity for strong coupling between photons and magnons in van der Waals antiferromagnet. <i>Applied Physics Letters</i> , 2020 , 117, 263101 | 3.4 | 4 |
| 136 | Destruction of superconductivity through phase fluctuations in ultrathin a-MoGe films. <i>Physical Review B</i> , 2020 , 102, | 3.3 | 1 |
| 135 | Melting of the Vortex Lattice through Intermediate Hexatic Fluid in an a-MoGe Thin Film. <i>Physical Review Letters</i> , 2019 , 122, 047001 | 7.4 | 17 |
| 134 | Robust pseudogap across the magnetic field driven superconductor to insulator-like transition in strongly disordered NbN films. <i>European Physical Journal B</i> , 2019 , 92, 1 | 1.2 | 3 |
| 133 | Nonlinear $I-V$ characteristics of two-dimensional superconductors: Berezinskii-Kosterlitz-Thouless physics versus inhomogeneity. <i>Physical Review B</i> , 2019 , 100, | 3.3 | 10 |
| 132 | Effect of dimensionality on the vortex dynamics in a type-II superconductor. <i>Physical Review B</i> , 2019 , 100, | 3.3 | 4 |
| 131 | Extreme sensitivity of the vortex state in a-MoGe films to radio-frequency electromagnetic perturbation. <i>Physical Review B</i> , 2019 , 100, | 3.3 | 5 |
| 130 | Universal scaling behaviour near vortex-solid/glass to vortex-fluid transition in type-II superconductors in two and three dimensions. <i>Europhysics Letters</i> , 2019 , 128, 27001 | 1.6 | |
| 129 | Experimental test of strong pinning and creep in current-voltage characteristics of type-II superconductors. <i>Physical Review B</i> , 2019 , 100, | 3.3 | 2 |
| 128 | Role of antisite disorder, electron-electron correlations, and a surface valence transition in the electronic structure of CeMnNi ₄ . <i>Physical Review B</i> , 2019 , 99, | 3.3 | 3 |

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| 127 | Signatures of two-step impurity-mediated vortex lattice melting in Bose-Einstein condensates. <i>Europhysics Letters</i> , 2018 , 123, 20004 | 1.6 | 2 |
| 126 | Inter-Landau-level Andreev Reflection at the Dirac Point in a Graphene Quantum Hall State Coupled to a NbSe ₂ Superconductor. <i>Physical Review Letters</i> , 2018 , 121, 086809 | 7.4 | 15 |
| 125 | Dynamic transition from Mott-like to metal-like state of the vortex lattice in a superconducting film with a periodic array of holes. <i>Physical Review B</i> , 2017 , 95, | 3.3 | 6 |
| 124 | Superconductivity in immiscible NbCu nanocomposite films. <i>Superconductor Science and Technology</i> , 2017 , 30, 055005 | 3.1 | 5 |
| 123 | Quantum critical magnetotransport at a continuous metal-insulator transition. <i>Physical Review B</i> , 2017 , 96, | 3.3 | 4 |
| 122 | Magnetic field induced emergent inhomogeneity in a superconducting film with weak and homogeneous disorder. <i>Physical Review B</i> , 2017 , 96, | 3.3 | 17 |
| 121 | Quantum Phase Transition in Few-Layer NbSe ₂ Probed through Quantized Conductance Fluctuations. <i>Physical Review Letters</i> , 2017 , 119, 226802 | 7.4 | 11 |
| 120 | Anomalous gap-edge dissipation in disordered superconductors on the brink of localization. <i>Physical Review B</i> , 2016 , 93, | 3.3 | 25 |
| 119 | Disorder-induced two-step melting of vortex matter in Co-intercalated NbSe ₂ single crystals. <i>Physical Review B</i> , 2016 , 93, | 3.3 | 14 |
| 118 | Andreev reflection near the Dirac point at the graphene-NbSe ₂ junction. <i>Physical Review B</i> , 2016 , 94, | 3.3 | 24 |
| 117 | Orientalional coupling between the vortex lattice and the crystalline lattice in a weakly pinned Co(0.0075)NbSe ₂ single crystal. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 165701 | 1.8 | 2 |
| 116 | Slowing down of vortex motion at the Berezinskii-Kosterlitz-Thouless transition in ultrathin NbN films. <i>Physical Review B</i> , 2015 , 91, | 3.3 | 11 |
| 115 | Origin of matching effect in anti-dot array of superconducting NbN thin films. <i>Superconductor Science and Technology</i> , 2015 , 28, 055007 | 3.1 | 2 |
| 114 | Disordering of the vortex lattice through successive destruction of positional and orientational order in a weakly pinned Co _{0.0075} NbSe ₂ single crystal. <i>Scientific Reports</i> , 2015 , 5, 10613 | 4.9 | 25 |
| 113 | The Higgs mode in disordered superconductors close to a quantum phase transition. <i>Nature Physics</i> , 2015 , 11, 188-192 | 16.2 | 101 |
| 112 | Highly oriented, free-standing, superconducting NbN films growth on chemical vapor deposited graphene. <i>APL Materials</i> , 2014 , 2, 056103 | 5.7 | 6 |
| 111 | Superconductivity at the highest transition temperature of 8.1 K in a simple cubic A _x Sb _{1-x} Te alloy system synthesized under high pressure. <i>Superconductor Science and Technology</i> , 2014 , 27, 025005 | 3.1 | 2 |
| 110 | Universal scaling of the order-parameter distribution in strongly disordered superconductors. <i>Physical Review B</i> , 2013 , 87, | 3.3 | 41 |

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|-----|---|-----|-----|
| 109 | Emergence of nanoscale inhomogeneity in the superconducting state of a homogeneously disordered conventional superconductor. <i>Scientific Reports</i> , 2013 , 3, 2979 | 4.9 | 62 |
| 108 | Enhancement of the finite-frequency superfluid response in the pseudogap regime of strongly disordered superconducting films. <i>Scientific Reports</i> , 2013 , 3, 1357 | 4.9 | 33 |
| 107 | Correlated conductance fluctuations close to the Berezinskii-Kosterlitz-Thouless transition in ultrathin NbN films. <i>Physical Review Letters</i> , 2013 , 111, 197001 | 7.4 | 24 |
| 106 | A two-coil mutual inductance technique to study matching effect in disordered NbN thin films. <i>Applied Physics Letters</i> , 2013 , 103, 262601 | 3.4 | 10 |
| 105 | A 350 mK, 9 T scanning tunneling microscope for the study of superconducting thin films on insulating substrates and single crystals. <i>Review of Scientific Instruments</i> , 2013 , 84, 123905 | 1.7 | 15 |
| 104 | Andreev bound state and multiple energy gaps in the noncentrosymmetric superconductor BiPd. <i>Physical Review B</i> , 2012 , 86, | 3.3 | 50 |
| 103 | Phase diagram of the strongly disordered s-wave superconductor NbN close to the metal-insulator transition. <i>Physical Review B</i> , 2012 , 85, | 3.3 | 82 |
| 102 | Evolution of Kosterlitz-Thouless-Berezinskii (BKT) Transition in Ultra-Thin NbN Films. <i>Journal of Physics: Conference Series</i> , 2012 , 400, 022078 | 0.3 | 1 |
| 101 | Pseudogap state in strongly disordered conventional superconductor, NbN. <i>Journal of Physics: Conference Series</i> , 2012 , 400, 022044 | 0.3 | |
| 100 | Magnetoresistance studies of homogeneously disordered 3-dimensional NbN thin films. <i>Journal of Physics: Conference Series</i> , 2012 , 391, 012086 | 0.3 | |
| 99 | Phase fluctuations in a strongly disordered s-wave NbN superconductor close to the metal-insulator transition. <i>Physical Review Letters</i> , 2011 , 106, 047001 | 7.4 | 129 |
| 98 | Effect of Phase Fluctuations on the Superconducting Properties of Strongly Disordered 3D NbN Thin Films. <i>Journal of Physics: Conference Series</i> , 2011 , 273, 012071 | 0.3 | 1 |
| 97 | Phase Diagram and Upper Critical Field of Homogeneously Disordered Epitaxial 3-Dimensional NbN Films. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011 , 24, 341-344 | 1.5 | 18 |
| 96 | Upper Critical Field and Coherence Length of Homogeneously Disordered Epitaxial 3-Dimensional NbN Films 2011 , | | 5 |
| 95 | Role of the vortex-core energy on the Berezinskii-Kosterlitz-Thouless transition in thin films of NbN. <i>Physical Review Letters</i> , 2011 , 107, 217003 | 7.4 | 47 |
| 94 | Mesoscopic inhomogeneity creation in YBa ₂ Cu ₃ O _{7-δ} thin film by swift heavy ion irradiation at low temperature. <i>Radiation Effects and Defects in Solids</i> , 2011 , 166, 628-634 | 0.9 | 1 |
| 93 | Measurement of magnetic penetration depth and superconducting energy gap in very thin epitaxial NbN films. <i>Applied Physics Letters</i> , 2010 , 96, 072509 | 3.4 | 74 |
| 92 | Understanding the role of structural disorder on spin polarization in CeMnNi ₄ using XAFS. <i>Physical Review B</i> , 2010 , 82, | 3.3 | 6 |

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|----|---|-----|-----------------|
| 91 | Selective disorder in the CuO basal planes of YBa ₂ Cu ₃ O _{7-δ} by swift heavy ion induced secondary electrons. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2010 , 268, 3325-3330 | 1.2 | 3 |
| 90 | Disorder Tuned Superconductor Insulator Transition in La _{2-x} (Sr/Ce) _x CuO ₄ & NbN Superconducting Thin Films. <i>Journal of Superconductivity and Novel Magnetism</i> , 2010 , 23, 807-810 | 1.5 | |
| 89 | Observation of vortex matching phenomena in antidot arrays of NbN thin films. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, S873-S874 | 1.3 | 2 |
| 88 | Multi-vortex versus interstitial vortices scenario in superconducting antidot arrays. <i>Physica C: Superconductivity and Its Applications</i> , 2010 , 470, 1112-1114 | 1.3 | 3 |
| 87 | Temperature dependence of resistivity and Hall coefficient in strongly disordered NbN thin films. <i>Physical Review B</i> , 2009 , 80, | 3.3 | 3 ² |
| 86 | Effect of Pt doping on the critical temperature and the upper critical field in YNi _{2-x} Pt _x B ₂ C for doping range 0. <i>Physical Review B</i> , 2009 , 79, | 3.3 | 3 |
| 85 | Vortex matching effect in engineered thin films of NbN. <i>Applied Physics Letters</i> , 2009 , 94, 262501 | 3.4 | 24 |
| 84 | Evolution of superconducting properties with disorder in epitaxial NbN films. <i>Journal of Physics: Conference Series</i> , 2009 , 150, 052035 | 0.3 | 9 |
| 83 | Formation of nanocrystalline TiO ₂ by 100 MeV Au ⁸⁺ . <i>Applied Surface Science</i> , 2009 , 255, 8935-8940 | 6.7 | 8 |
| 82 | Competing effects of surface phonon softening and quantum size effects on the superconducting properties of nanostructured Pb. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 205702 | 1.8 | 31 |
| 81 | Tunneling studies in a homogeneously disordered s-wave superconductor: NbN. <i>Physical Review B</i> , 2009 , 79, | 3.3 | 38 |
| 80 | 200 MeV silver ion irradiation induced structural modification in YBa ₂ Cu ₃ O _{7-δ} thin films at 89 K: An in situ x-ray diffraction study. <i>Journal of Applied Physics</i> , 2009 , 106, 053912 | 2.5 | 22 |
| 79 | Influence of microstructure on local conductivities in La _{0.7} Ce _{0.3} MnO ₃ thin film. <i>Journal of Physics: Conference Series</i> , 2009 , 150, 042164 | 0.3 | |
| 78 | Superconducting properties and Hall effect of epitaxial NbN thin films. <i>Physical Review B</i> , 2008 , 77, | 3.3 | 13 ² |
| 77 | Study of spin fluctuations in Ni _{3-x} Al _{1+x} using point contact Andreev reflection spectroscopy. <i>Applied Physics Letters</i> , 2008 , 93, 102502 | 3.4 | 2 |
| 76 | Synthesis of nanodimensional TiO ₂ thin films. <i>Journal of Nanoscience and Nanotechnology</i> , 2008 , 8, 4231-4233 | 1.7 | 10 |
| 75 | Point contact Andreev reflection studies on the low T _{Curie} ferromagnet NdNi ₅ using a superconducting Nb tip. <i>Physica B: Condensed Matter</i> , 2008 , 403, 1017-1019 | 2.8 | 1 |
| 74 | Non-intrinsic superconductivity in InN epilayers: Role of Indium Oxide. <i>Solid State Communications</i> , 2008 , 146, 361-364 | 1.6 | 19 |

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|----|---|-----|-----|
| 73 | Point defect creation by low fluence swift heavy ion irradiation-induced low energy electrons in YBa ₂ Cu ₃ O _{7-x} . <i>Superconductor Science and Technology</i> , 2008 , 21, 085016 | 3.1 | 20 |
| 72 | Electroresistive effects in electron doped manganite La _{0.7} Ce _{0.3} MnO ₃ thin films. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 046208 | 1.8 | 6 |
| 71 | Study of CeNi ₄ Mn by neutron diffraction. <i>Solid State Communications</i> , 2007 , 141, 160-163 | 1.6 | 9 |
| 70 | Evidence of multiband superconductivity in the quaternary borocarbide superconductor YNi ₂ B ₂ C using directional point-contact spectroscopy. <i>Physica C: Superconductivity and Its Applications</i> , 2007 , 460-462, 95-98 | 1.3 | 5 |
| 69 | Temperature dependence of transport spin polarization in NdNi ₅ from point-contact Andreev reflection. <i>Physical Review B</i> , 2007 , 75, | 3.3 | 15 |
| 68 | Correlation between effects of electric current and magnetic field on transport properties of electron-doped manganite La _{0.7} Ce _{0.3} MnO ₃ thin films. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 382202 | 1.8 | 7 |
| 67 | Size induced metal-insulator transition in nanostructured niobium thin films: intra-granular and inter-granular contributions. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 4553-4566 | 1.8 | 27 |
| 66 | Comment on "Spectroscopic evidence for multiple order parameters in the heavy fermion superconductor CeCoIn ₅ ". <i>Physical Review Letters</i> , 2006 , 96, 259701; author reply 259703 | 7.4 | 9 |
| 65 | Upper critical field in nanostructured Nb: Competing effects of the reduction in density of states and the mean free path. <i>Physical Review B</i> , 2006 , 74, | 3.3 | 57 |
| 64 | CeMnNi ₄ : A soft ferromagnet with a high degree of transport spin polarization. <i>Applied Physics Letters</i> , 2006 , 88, 022506 | 3.4 | 22 |
| 63 | Substrate effect on electrical transport properties of RNiO ₃ thin films prepared by pulsed laser deposition. <i>Journal Physics D: Applied Physics</i> , 2006 , 39, 5310-5315 | 3 | 25 |
| 62 | Bandwidth control effects in electron doped manganite La _{0.7} Y _x Ce _{0.3} MnO ₃ thin films. <i>Solid State Communications</i> , 2006 , 138, 549-552 | 1.6 | 6 |
| 61 | Mechanism of the size dependence of the superconducting transition of nanostructured Nb. <i>Physical Review Letters</i> , 2005 , 95, 147003 | 7.4 | 115 |
| 60 | Anomalous structures in point contact Andreev reflection spectrum. <i>Physica B: Condensed Matter</i> , 2005 , 359-361, 491-493 | 2.8 | 1 |
| 59 | Magnetic field dependence of the specific heat of. <i>Physica B: Condensed Matter</i> , 2005 , 359-361, 1273-1275 | | |
| 58 | Pulsed laser deposition of NdNiO ₃ thin films. <i>Solid State Communications</i> , 2005 , 136, 369-374 | 1.6 | 21 |
| 57 | High spin polarization in the ferromagnetic filled skutterudites KFe ₄ Sb ₁₂ and NaFe ₄ Sb ₁₂ . <i>Physical Review B</i> , 2005 , 72, | 3.3 | 16 |
| 56 | Magnetic-field dependence of superconducting energy gaps in YNi ₂ B ₂ C: Evidence of multiband superconductivity. <i>Physical Review B</i> , 2005 , 72, | 3.3 | 40 |

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|----|---|-----|-----|
| 55 | Low-temperature transport anomaly in the magnetoresistive compound (La _{0.5} Pr _{0.2})Ba _{0.3} MnO ₃ . <i>Physical Review B</i> , 2005 , 71, | 3-3 | 39 |
| 54 | Anomalous bias dependence of tunnel magnetoresistance in a magnetic tunnel junction. <i>Applied Physics Letters</i> , 2005 , 86, 152108 | 3-4 | 11 |
| 53 | Evidence of gap anisotropy in superconducting YNi ₂ B ₂ C using directional point-contact spectroscopy. <i>Physical Review Letters</i> , 2004 , 93, 156802 | 7-4 | 41 |
| 52 | Photoemission and x-ray absorption spectroscopy study of electron-doped colossal magnetoresistive manganite La _{0.7} Ce _{0.3} MnO ₃ films. <i>Physical Review B</i> , 2004 , 69, | 3-3 | 39 |
| 51 | Role of critical current on the point-contact Andreev reflection spectra between a normal metal and a superconductor. <i>Physical Review B</i> , 2004 , 69, | 3-3 | 137 |
| 50 | Variability of Coronal Mass Ejections. <i>Proceedings of the International Astronomical Union</i> , 2004 , 2004, 211-212 | 0-1 | |
| 49 | Phase diagram and Hall effect of the electron doped manganite La _{1-x} Ce _x MnO ₃ . <i>Journal of Applied Physics</i> , 2003 , 93, 8328-8330 | 2-5 | 54 |
| 48 | Observation of minority spin character of the new electron doped manganite La _{0.7} Ce _{0.3} MnO ₃ from tunneling magnetoresistance. <i>Physical Review Letters</i> , 2003 , 90, 017202 | 7-4 | 138 |
| 47 | Transport spin polarization in SrRuO ₃ measured through point-contact Andreev reflection. <i>Physical Review B</i> , 2003 , 67, | 3-3 | 48 |
| 46 | Direct observation of electron doping in La _{0.7} Ce _{0.3} MnO ₃ using x-ray absorption spectroscopy. <i>Physical Review B</i> , 2003 , 67, | 3-3 | 168 |
| 45 | Peak effect in surface resistance at microwave frequencies in Dy-123 thin films 2002 , 58, 955-958 | | |
| 44 | Magneto-transport properties of La _{0.7} Ca _{0.3} MnO ₃ /SrTiO ₃ /La _{0.7} Ce _{0.3} MnO ₃ tunnel junction 2002 , 58, 1179-1182 | | |
| 43 | Peak-effect, a new phenomenon observed at microwave frequencies in high T _c superconductor thin films. <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 382, 386-394 | 1-3 | |
| 42 | Magnetotransport properties of a room temperature rectifying tunnel junction made of electron and hole doped manganites. <i>Journal of Applied Physics</i> , 2002 , 91, 7715 | 2-5 | 18 |
| 41 | Sensitivity to disorder of the metallic state in the ruthenates. <i>Physical Review Letters</i> , 2002 , 88, 076602 | 7-4 | 82 |
| 40 | Transport and magnetoresistive properties of an imperfect ferromagnet/insulator/ferromagnet trilayer junction. <i>Solid State Communications</i> , 2001 , 117, 609-613 | 1-6 | 2 |
| 39 | Formation of epitaxial and polycrystalline films of the electron doped system La _{1-x} Ce _x MnO ₃ through pulsed laser deposition. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 809-811 | 2-8 | 4 |
| 38 | Anomalous magnetic behavior in holmium doped La _{0.7} Sr _{0.3} MnO ₃ film. <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 840-842 | 2-8 | 2 |

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| 37 | Peak effect in laser ablated DyBa ₂ Cu ₃ O ₇ Films at microwave frequencies at subcritical currents. <i>Journal of Applied Physics</i> , 2001 , 89, 7490-7492 | 2.5 | 4 |
| 36 | Critical current in a spin injection device. <i>Journal of Applied Physics</i> , 2001 , 89, 7502-7504 | 2.5 | 5 |
| 35 | Peak effect in a superconducting DyBa ₂ Cu ₃ O ₇ Film at microwave frequencies. <i>Physical Review B</i> , 2001 , 63, | 3.3 | 10 |
| 34 | p-n diode with hole- and electron-doped lanthanum manganites. <i>Applied Physics Letters</i> , 2001 , 79, 2408-2410 | 3.4 | 110 |
| 33 | Growth of epitaxial and polycrystalline thin films of the electron doped system La _{1-x} Ce _x MnO ₃ through pulsed laser deposition. <i>Journal of Applied Physics</i> , 2001 , 89, 524-530 | 2.5 | 104 |
| 32 | Enhanced room-temperature magnetoresistance in La _{0.7} Sr _{0.3} MnO ₃ -glass composites. <i>Applied Physics Letters</i> , 2001 , 78, 362-364 | 3.4 | 133 |
| 31 | Application of an ultrathin LiF/Al bilayer in organic surface-emitting diodes. <i>Applied Physics Letters</i> , 2001 , 78, 544-546 | 3.4 | 273 |
| 30 | Interfacial chemistry of Alq ₃ and LiF with reactive metals. <i>Journal of Applied Physics</i> , 2001 , 89, 2756-2765 | 2.5 | 313 |
| 29 | Peak effect at microwave frequencies in swift heavy ion irradiated YBa ₂ Cu ₃ O ₇ -thin films - investigation of vortex dynamics. <i>Materials Research Society Symposia Proceedings</i> , 2001 , 689, 1 | | |
| 28 | Critical current of a superconductor measured via injection of spin-polarized carriers. <i>Journal of Physics Condensed Matter</i> , 2000 , 12, 9933-9940 | 1.8 | 3 |
| 27 | Critical behavior in La _{0.5} Sr _{0.5} CoO ₃ . <i>Physical Review B</i> , 2000 , 61, 8651-8653 | 3.3 | 46 |
| 26 | Spin-polarized tunneling in the half-metallic ferromagnets La _{0.7-x} Ho _x Sr _{0.3} MnO ₃ (x=0 and 0.15): Experiment and theory. <i>Physical Review B</i> , 1999 , 59, 13919-13926 | 3.3 | 113 |
| 25 | Oscillations in surface resistance with applied magnetic field variation in BSCCO aged superconducting samples. <i>Solid State Communications</i> , 1999 , 109, 407-411 | 1.6 | |
| 24 | Interesting history effect in the magnetotransport properties of La _{0.55} Ho _{0.15} Sr _{0.3} MnO ₃ films on LaAlO ₃ . <i>Solid State Communications</i> , 1999 , 112, 423-427 | 1.6 | 3 |
| 23 | Magnetic and transport properties of the electron doped layered manganite La _{2.3-x} Y _x Ca _{0.7} Mn ₂ O ₇ . <i>Physica B: Condensed Matter</i> , 1999 , 259-261, 835-836 | 2.8 | 6 |
| 22 | Spin polarised tunnelling in granular polycrystalline colossal magnetoresistive manganites. <i>Physica B: Condensed Matter</i> , 1999 , 259-261, 812-813 | 2.8 | 8 |
| 21 | Evolution of transport and magnetic properties with dysprosium doping in La _{0.7-x} Dy _x Sr _{0.3} MnO ₃ (x=0-0.4). <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 192, 130-136 | 2.8 | 26 |
| 20 | Transport and magnetic properties of laser ablated La _{0.7} Ce _{0.3} MnO ₃ films on LaAlO ₃ . <i>Journal of Applied Physics</i> , 1999 , 86, 5718-5725 | 2.5 | 79 |

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|----|---|-----|----|
| 19 | ANALYSIS OF SOLAR NEUTRINO FLUX FROM THE EXISTING SOLAR NEUTRINO DETECTORS. <i>International Journal of Modern Physics A</i> , 1999 , 14, 1205-1223 | 1.2 | |
| 18 | The metal - insulator transition and ferromagnetism in the electron-doped layered manganites ($x=0, 0.3, 0.5$). <i>Journal of Physics Condensed Matter</i> , 1998 , 10, L191-L198 | 1.8 | 30 |
| 17 | A phenomenological model for magnetoresistance in granular polycrystalline colossal magnetoresistive materials: The role of spin polarized tunneling at the grain boundaries. <i>Journal of Applied Physics</i> , 1998 , 84, 2048-2052 | 2.5 | 95 |
| 16 | SOLAR NEUTRINO FLUX VARIATION IN KAMIOKANDE DETECTOR DURING SOLAR CYCLE 22. <i>Modern Physics Letters A</i> , 1998 , 13, 1109-1114 | 1.3 | 1 |
| 15 | The effect of holmium doping on the magnetic and transport properties of. <i>Journal of Physics Condensed Matter</i> , 1997 , 9, 10919-10927 | 1.8 | 20 |
| 14 | Microwave surface resistance in $\text{Lu}_{1-x}\text{Pr}_x\text{Ba}_2\text{Cu}_3\text{O}_{7-\delta}$ thin films. <i>Solid State Communications</i> , 1997 , 102, 409-412 | 1.6 | 2 |
| 13 | . <i>Superconductor Science and Technology</i> , 1996 , 9, 447-452 | 3.1 | 1 |
| 12 | Periodicities in Forbush decreases and solar activity. <i>Solar Physics</i> , 1994 , 153, 445-448 | 2.6 | 3 |
| 11 | TIME VARIATION OF SOLAR NEUTRINO FLUX. <i>Modern Physics Letters A</i> , 1993 , 08, 1961-1968 | 1.3 | 3 |
| 10 | TIME VARIATIONS IN KAMIOKANDE SOLAR NEUTRINO DATA. <i>Modern Physics Letters A</i> , 1991 , 06, 2003-2007 | 1.3 | 8 |
| 9 | SUBMILLISECOND PERIOD IN SUPERNOVA 1987A NEUTRINO DATA. <i>Modern Physics Letters A</i> , 1990 , 05, 61-66 | 1.3 | |
| 8 | Flare Instability and Driving Mechanism. <i>COSPAR Colloquia Series</i> , 1990 , 403-404 | | |
| 7 | SOLAR NEUTRINO FLUX VARIATION AND NEUTRINO MAGNETIC MOMENT. <i>Modern Physics Letters A</i> , 1989 , 04, 111-114 | 1.3 | 3 |
| 6 | SOLAR NEUTRINO FLUX AND SUNSPOT DATA. <i>Modern Physics Letters A</i> , 1988 , 03, 1319-1322 | 1.3 | 6 |
| 5 | Comments on the paper by Mack and Robbins relating to a recent theory on the origin of the universal X-ray background. <i>Astrophysics and Space Science</i> , 1973 , 20, 43-44 | 1.6 | |
| 4 | Dual parton model and the photoproduction of pseudoscalar and vector mesons in the high energy region. <i>Annals of Physics</i> , 1973 , 80, 142-156 | 2.5 | 2 |
| 3 | Weak interaction and the self-consistent theory. <i>Lettere Al Nuovo Cimento Rivista Internazionale Della Societ Italiana Di Fisica</i> , 1973 , 7, 9-12 | | |
| 2 | Parton model and multiple scattering in high-energy pp elastic scattering. <i>Lettere Al Nuovo Cimento Rivista Internazionale Della Societ Italiana Di Fisica</i> , 1973 , 7, 765-771 | | |

- 1 The parton model, electromagnetic form factors of hadrons and high energy elastic πp scattering.
Journal of Physics A, **1972**, 5, L97-L101

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