

# Satyabrata Patnaik

## List of Publications by Year in descending order

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175  
papers

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186265

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64  
g-index

183  
all docs

183  
docs citations

183  
times ranked

3677  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Strongly linked current flow in polycrystalline forms of the superconductor MgB <sub>2</sub> . Nature, 2001, 410, 186-189.  | 27.8 | 883       |
| 2  | High critical current density and enhanced irreversibility field in superconducting MgB <sub>2</sub> thin films. Nature, 2001, 411, 558-560.  | 27.8 | 477       |
| 3  | Very high upper critical fields in MgB <sub>2</sub> produced by selective tuning of impurity scattering. Superconductor Science and Technology, 2004, 17, 278-286.  | 3.5  | 281       |
| 4  | Bulk Superconductivity in Bismuth Oxysulfide Bi <sub>4</sub> O <sub>4</sub> S <sub>3</sub> . Journal of the American Chemical Society, 2012, 134, 16504-16507.  | 13.7 | 179       |
| 5  | Improved upper critical field in bulk-form magnesium diboride by mechanical alloying with carbon. Applied Physics Letters, 2005, 86, 202502.  | 3.3  | 164       |
| 6  | Electronic anisotropy, magnetic field-temperature phase diagram and their dependence on resistivity in c-axis oriented MgB <sub>2</sub> thin films. Superconductor Science and Technology, 2001, 14, 315-319. | 3.5  | 157       |
| 7  | Substantial magnetoelectric coupling near room temperature in Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub> . Applied Physics Letters, 2008, 92, .   | 3.3  | 147       |
| 8  | Superconductivity by Sr intercalation in the layered topological insulator $\text{Bi}_2\text{Te}_3$ . Physical Review B, 2015, 92, .  | 2.2  | 113       |
| 9  | Appearance of superconductivity in layered LaO <sub>0.5</sub> F <sub>0.5</sub> BiS <sub>2</sub> . Solid State Communications, 2013, 157, 21-23.   | 1.9  | 109       |
| 10 | Flux Flow of Abrikosov-Josephson Vortices along Grain Boundaries in High-Temperature Superconductors. Physical Review Letters, 2002, 88, 097001.  | 7.8  | 105       |
| 11 | Synthesis and properties of c-axis oriented epitaxial MgB <sub>2</sub> thin films. Applied Physics Letters, 2002, 81, 1851-1853.  | 3.3  | 85        |
| 12 | Magnetism driven ferroelectricity above liquid nitrogen temperature in Y <sub>2</sub> CoMnO <sub>6</sub> . Applied Physics Letters, 2013, 103, .  | 3.3  | 84        |
| 13 | Significant enhancement of irreversibility field in clean-limit bulk MgB <sub>2</sub> . Applied Physics Letters, 2002, 81, 4577-4579.   | 3.3  | 56        |
| 14 | Anomalous Raman scattering from phonons and electrons of superconducting. Solid State Communications, 2010, 150, 557-560.   | 1.9  | 53        |
| 15 | Ferromagnetism and metal-semiconducting transition in Fe-doped ZnO thin films. Journal Physics D: Applied Physics, 2008, 41, 155002.  | 2.8  | 47        |
| 16 | Dominance of magnetoelastic coupling in multiferroic hexagonal $\text{YMnO}_3$ . Physical Review B, 2010, 81, .   | 3.2  | 46        |
| 17 | Synthesis and characterization of yttrium iron garnet (YIG) nanoparticles - Microwave material. AIP Advances, 2017, 7, .  | 1.3  | 45        |
| 18 | Strong room temperature magnetism in highly resistive strained thin films of BiFe <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>3</sub> . Applied Physics Letters, 2011, 98, .                                      | 3.3  | 39        |

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|----|--|-----|-----------|
| 19 | Thermally activated current transport in MgB <sub>2</sub> films. Physical Review B, 2004, 70, .  | 3.2 | 38        |
| 20 | Critical current limiting factors in post annealed (Bi; Pb) <sub>2</sub> /Sr <sub>2</sub> /Ca <sub>2</sub> /Cu <sub>3</sub> /O <sub>x</sub> tapes. IEEE Transactions on Applied Superconductivity, 2003, 13, 3018-3021.  | 1.7 | 37        |
| 21 | Magnetoelectric properties of Bi <sub>x</sub> Co <sub>2-<i>x</i></sub> MnO <sub>4</sub> (0 ≤ <i>x</i> ≤ 0.3). Applied Physics Letters, 2008, 92, .   | 3.3 | 34        |
| 22 | Magnetoelectric coupling in Ca <sub>3</sub> CoMnO <sub>6</sub> . Journal of Applied Physics, 2010, 108, .  | 2.5 | 34        |
| 23 | Magnetic entropy change and critical exponents in double perovskite NiMnO <sub>2</sub> . Journal of Magnetism and Magnetic Materials, 2014, 368, 318-323.  | 2.3 | 34        |
| 24 | Interfacial structure of epitaxial MgB <sub>2</sub> thin films grown on (0001) sapphire. Applied Physics Letters, 2002, 81, 685-687.   | 3.3 | 33        |
| 25 | YIG based broad band microwave absorber: A perspective on synthesis methods. Journal of Magnetism and Magnetic Materials, 2017, 439, 277-286.  | 2.3 | 33        |
| 26 | Unusual non saturating Giant Magneto-resistance in single crystalline Bi <sub>2</sub> Te <sub>3</sub> topological insulator. Journal of Magnetism and Magnetic Materials, 2017, 428, 213-218.  | 2.3 | 33        |
| 27 | Control of Magnetism in Cobalt Nanoparticles by Oxygen Passivation. Journal of Physical Chemistry C, 2008, 112, 13882-13885.   | 3.1 | 32        |
| 28 | Superconductivity at 11.3 K induced by cobalt doping in CeFeAsO. Solid State Communications, 2009, 149, 181-183.   | 1.9 | 32        |
| 29 | Apparatus for vortex dynamics studies in high T <sub>c</sub> samples using close cycle refrigerator and rf oscillators. Review of Scientific Instruments, 1999, 70, 1494-1500.   | 1.3 | 28        |
| 30 | Magnetic field dependence of vortex activation energy: A comparison between MgB <sub>2</sub> , NbSe <sub>2</sub> and Bi <sub>2</sub> Sr <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>10</sub> superconductors. Pramana - Journal of Physics, 2008, 71, 1335-1343. | 1.8 | 27        |
| 31 | Superconductivity in CeO <sub>1-x</sub> F <sub>x</sub> FeAs with upper critical field of 94T. Physica C: Superconductivity and Its Applications, 2009, 469, 82-85.   | 1.2 | 26        |
| 32 | Coexistence of strong ferromagnetism and polar switching at room temperature in Fe <sub>3</sub> O <sub>4</sub> /BiFeO <sub>3</sub> nanocomposite thin films. Applied Physics Letters, 2010, 97, 153121.  | 3.3 | 26        |
| 33 | Local measurement of current density by magneto-optical current reconstruction in normally and overpressure processed Bi-2223 tapes. IEEE Transactions on Applied Superconductivity, 2003, 13, 2930-2933.  | 1.7 | 23        |
| 34 | Upper critical field, superconducting energy gaps and the Seebeck coefficient in La <sub>0.8</sub> Th <sub>0.2</sub> FeAsO. Journal of Physics Condensed Matter, 2009, 21, 175705.   | 1.8 | 23        |
| 35 | Evidence for trivial Berry phase and absence of chiral anomaly in semimetal NbP. Scientific Reports, 2017, 7, 46062.   | 3.3 | 23        |
| 36 | Crystal Growth and Basic Transport and Magnetic Properties of MnBi <sub>2</sub> Te <sub>4</sub> . Journal of Superconductivity and Novel Magnetism, 2019, 32, 3705-3709.   | 1.8 | 23        |

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|----|---|-----|-----------|
| 37 | Potassium fluoride doped LaOFeAs multi-band superconductor: Evidence of extremely high upper critical field. Europhysics Letters, 2008, 84, 57003.  | 2.0 | 22        |
| 38 | Evolution of microstructure and relaxor ferroelectric properties in $(\text{La}_z\text{Ba}_{1-z})(\text{Ti}_{0.80}\text{Sn}_{0.20})\text{O}_3$ . Journal of Alloys and Compounds, 2016, 687, 197-203.   | 5.5 | 22        |
| 39 | Crystal growth and characterization of bulk $\text{Sb}_2\text{Te}_3$ topological insulator. Materials Research Express, 2018, 5, 046107.  | 1.6 | 22        |
| 40 | Enhancement of the superconducting transition temperature and upper critical field of $\text{La}_{0.8}\text{F}_{0.2}\text{FeAs}$ with antimony doping. Superconductor Science and Technology, 2009, 22, 045017.   | 3.5 | 21        |
| 41 | Evidence for multiferroic characteristics in NdCrTiO <sub>5</sub> . Journal of Magnetism and Magnetic Materials, 2014, 360, 34-37.  | 2.3 | 20        |
| 42 | Examination of current limiting mechanisms in monocore $\text{Bi}_2/\text{Sr}_2/\text{Ca}_2/\text{Cu}_3/\text{O}_x$ tape with high critical current density. IEEE Transactions on Applied Superconductivity, 2001, 11, 3269-3272.   | 1.7 | 19        |
| 43 | Evidence for fully gapped strong coupling s-wave superconductivity in $\text{Bi}_4\text{O}_4\text{S}_3$ . Journal of Physics Condensed Matter, 2013, 25, 312202.  | 1.8 | 19        |
| 44 | Structural, electromagnetic and thermoelectric properties of $\text{Bi}_4\text{O}_4\text{S}_3$ superconductor. Superconductor Science and Technology, 2014, 27, 055001.   | 3.5 | 18        |
| 45 | Superconducting properties of indium-doped topological crystalline insulator SnTe. Europhysics Letters, 2014, 108, 37010.<br>Effect of La-doping on dielectric properties and energy storage density of lead-free $\text{Ba}(\text{Ti}_{1-x}\text{Nb}_x)\text{O}_{10}$ . Journal of Applied Physics, 2016, 119, 114101. | 2.0 | 18        |
| 46 |   | 5.2 | 18        |
| 47 | Enhancement in transition temperature and upper critical field of $\text{CeO}_{0.8}\text{F}_{0.2}\text{FeAs}$ by yttrium doping. Applied Physics Letters, 2009, 95, .   | 3.3 | 16        |
| 48 | Short range ferromagnetic, magneto-electric, and magneto-dielectric effect in ceramic $\text{Co}_3\text{TeO}_6$ . Journal of Applied Physics, 2016, 119, .  | 2.5 | 16        |
| 49 | Hikami-Larkin-Nagaoka (HLN) Treatment of the Magneto-Conductivity of $\text{Bi}_2\text{Te}_3$ Topological Insulator. Journal of Superconductivity and Novel Magnetism, 2018, 31, 2287-2290.   | 1.8 | 16        |
| 50 | Low-energy excitations and non-BCS superconductivity in $\text{NbxBi}_2\text{Se}_3$ . Physical Review B, 2018, 98, .  | 3.2 | 15        |
| 51 | Modification of intergrain connectivity, upper critical field anisotropy and critical current density in ion irradiated $\text{MgB}_2$ films. Physica C: Superconductivity and Its Applications, 2006, 442, 73-78.  | 1.2 | 14        |
| 52 | High spin state driven magnetism and thermoelectricity in Mn doped topological insulator $\text{Bi}_2\text{Se}_3$ . Journal of Magnetism and Magnetic Materials, 2018, 456, 1-5.  | 2.3 | 14        |
| 53 | Multiband superconductivity in $\text{Mo}_6\text{S}_8$ driven by a site-selective mechanism. Physical Review B, 2019, 99, .   | 3.8 | 14        |
| 54 | Crystal Growth and Characterization of Possible New Magnetic Topological Insulators $\text{FeBi}_2\text{Te}_4$ . Journal of Superconductivity and Novel Magnetism, 2020, 33, 2251-2256.   | 1.8 | 14        |

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|----|---|-----|-----------|
| 55 | Field-dependent competing magnetic ordering in multiferroic Ni <sub>3</sub> V <sub>2</sub> O <sub>8</sub> . Europhysics Letters, 2009, 86, 57001.   | 2.0 | 13        |
| 56 | New oxypnictide superconductors: PrOFe <sub>1-x</sub> Co <sub>x</sub> As. Journal of Solid State Chemistry, 2010, 183, 338-343.   | 2.9 | 13        |
| 57 | Evolution of relaxor properties in lanthanum (La) doped barium zirconate titanate. Ferroelectrics, 2017, 517, 8-13.   | 0.6 | 13        |
| 58 | Enhanced ferromagnetism in edge enriched holey/lacey reduced graphene oxide nanoribbons. Materials and Design, 2017, 132, 295-301.  | 7.0 | 13        |
| 59 | Combined effect of oxygen annealing and La-doping in broadening the phase transition of Ba(Zr <sub>0.2</sub> Ti <sub>0.8</sub> )O <sub>3</sub> ceramics. Journal of Alloys and Compounds, 2018, 737, 561-567.     | 5.5 | 13        |
| 60 | Facile synthesis of potassium intercalated p-terphenyl and signatures of a possible high T <sub>c</sub> phase. Physica C: Superconductivity and Its Applications, 2018, 554, 1-7.                                 | 1.2 | 13        |
| 61 | Breakdown of Ohm's law and nontrivial Berry phase in magnetic Weyl semimetal Co <sub>3</sub> Sn <sub>2</sub> S <sub>2</sub> . Journal of Physics Condensed Matter, 2020, 32, 405602.                              | 1.8 | 13        |
| 62 | Time-reversal symmetry breaking in topological superconductor Sr <sub>0.1</sub> Bi <sub>2</sub> Se <sub>3</sub> . Physical Review Materials, 2019, 3, .   | 2.4 | 13        |
| 63 | An all-organic steroid-like modular design drives ferroelectricity in supramolecular solids and nano-architectures at RT. Chemical Communications, 2011, 47, 8928.  | 4.1 | 12        |
| 64 | Flux free single crystal growth and detailed physical property characterization of Bi <sub>1-x</sub> Sb <sub>x</sub> (x = 0.05, 0.1 and 0.15) topological insulator. Materials Research Express, 2019, 6, 106102. | 1.6 | 12        |
| 65 | Growth, Characterization and High-Field Magneto-Conductivity of Co <sub>0.1</sub> Bi <sub>2</sub> Se <sub>3</sub> Topological Insulator. Journal of Superconductivity and Novel Magnetism, 2019, 32, 769-777.     | 1.8 | 12        |
| 66 | Origin of exceptional magneto-resistance in Weyl semimetal TaSb <sub>2</sub> . Journal of Physics Communications, 2019, 3, 115007.  | 1.2 | 12        |
| 67 | Nature of magnetoelectric coupling in corundum antiferromagnet Co <sub>4</sub> Ta <sub>2</sub> O <sub>9</sub> . Journal of Magnetism and Magnetic Materials, 2019, 475, 508-513.                                  | 2.3 | 12        |
| 68 | Microstructure and J <sub>c</sub> improvements in overpressure processed Ag-sheathed Bi-2223 tapes. IEEE Transactions on Applied Superconductivity, 2003, 13, 2921-2925.  | 1.7 | 11        |
| 69 | Effect of epitaxial strain on the magneto-electric coupling of YMnO <sub>3</sub> thin films. Journal of Applied Physics, 2009, 106, 014109.   | 2.5 | 11        |
| 70 | Synthesis and Characterization of Ferromagnetic Cobalt Nanospheres, Nanodiscs and Nanocubes. Journal of Nanoscience and Nanotechnology, 2009, 9, 5627-5632.   | 0.9 | 11        |
| 71 | Magnetoelectric behavior of ferrimagnetic Bi <sub>x</sub> Co <sub>2-x</sub> MnO <sub>4</sub> (x=0, 0.1 and 0.3) thin films. Journal of Magnetism and Magnetic Materials, 2011, 323, 1760-1765.                    | 2.3 | 11        |
| 72 | Weak ferromagnetism in a noncentrosymmetric BiPd <sub>4</sub> K superconductor. Superconductor Science and Technology, 2016, 29, 025008.  | 3.5 | 11        |

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|----|--|-----|-----------|
| 73 | Structural and magnetic properties of high quality single crystalline YIG thin film: A comparison with the bulk YIG. AIP Conference Proceedings, 2019, , .   | 0.4 | 10        |
| 74 | Strong spin depolarization in the ferromagnetic Weyl semimetal $\text{CoS}_3$ : Role of spin-orbit coupling. Physical Review B, 2020, 102, .   | 3.2 | 10        |
| 75 | Local Hall-probe-based susceptometry of $\text{Tl}_2\text{Ba}_2\text{CaCu}_2\text{O}_8$ epitaxial films: Critical state and flux dynamics in collinear ac and dc magnetic fields. Physical Review B, 2001, 63, .                                       | 3.2 | 9         |
| 76 | Signatures of spin-glass freezing in Co/CoO nanospheres and nanodiscs. Journal of Magnetism and Magnetic Materials, 2012, 324, 2512-2518.  | 2.3 | 9         |
| 77 | Possibility for conventional superconductivity in $\text{Sr}_{0.1}\text{Bi}_2\text{Se}_3$ from high-pressure transport studies. Europhysics Letters, 2017, 118, 47008.   | 2.0 | 9         |
| 78 | Nuanced superconductivity in endohedral gallide $\text{Mo}_8\text{Ga}_{41}$ . Materials Research Express, 2019, 6, 016002.   | 1.6 | 9         |
| 79 | An X-ray RDF study of the glass $30\text{AgI}-45\text{Ag}_2\text{O}-25\text{V}_2\text{O}_5$ . Solid State Ionics, 1993, 59, 229-233.   | 2.7 | 8         |
| 80 | Effects of simultaneous carrier doping in the charge reservoir and conducting layers of superconducting $\text{CeO}_{0.9}\text{F}_{0.1}\text{Fe}_{1-x}\text{Co}_x\text{As}$ . Physica C: Superconductivity and Its Applications, 2010, 470, 1928-1932. | 1.2 | 8         |
| 81 | Improved superconducting properties of $\text{La}_3\text{Co}_4\text{Sn}_{13}$ with indium substitution. Journal of Alloys and Compounds, 2016, 665, 333-338.   | 5.5 | 8         |
| 82 | Improper ferroelectricity in helicoidal antiferromagnet $\text{Cu}_3\text{Nb}_2\text{O}_8$ . Solid State Communications, 2015, 203, 54-57.   | 1.9 | 7         |
| 83 | Evidence of magnetodielectric effect in honeycomb oxide $\text{Na}_2\text{Co}_2\text{TeO}_6$ . AIP Conference Proceedings, 2018, , .   | 0.4 | 7         |
| 84 | Control of magnetization dynamics by substrate orientation in YIG thin films. Materials Research Express, 2021, 8, 066401.   | 1.6 | 7         |
| 85 | Superconductivity with Topological Non-trivial Surface States in NbC. Journal of Superconductivity and Novel Magnetism, 2021, 34, 2717-2724.   | 1.8 | 7         |
| 86 | Role of chemical pressure in enhancing the transition temperature ( $T_c$ ) and upper critical field ( $H_{c2}$ ) in the Y-doped Ce-oxyfluoride superconductor. European Physical Journal B, 2010, 73, 177-184.  | 1.5 | 6         |
| 87 | The effect of antimony doping on the transport and magnetic properties of $\text{Ce}(\text{O}/\text{F})\text{FeAs}$ . Superconductor Science and Technology, 2011, 24, 125008.   | 3.5 | 6         |
| 88 | Dramatic variation of the multiferroic properties in Sr doped $\text{Ca}_{1-x}\text{Sr}_x\text{Mn}_7\text{O}_{12}$ . AIP Advances, 2017, 7, 055832.  | 1.3 | 6         |
| 89 | Magnetic structure driven ferroelectricity and large magnetoelectric coupling in antiferromagnet $\text{Co}_4\text{Nb}_2\text{O}_9$ . Solid State Communications, 2018, 273, 39-43.  | 1.9 | 6         |
| 90 | High-Field Magneto-Conductivity Analysis of $\text{Bi}_2\text{Se}_3$ Single Crystal. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3075-3078.  | 1.8 | 6         |

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|-----|--|-----|-----------|
| 91  | Suppression of transport spin-polarization of surface states with emergence of ferromagnetism in Mn-doped $\text{Bi}_2\text{Se}_3$ . Journal of Physics Condensed Matter, 2018, 30, 355001.  | 1.8 | 6         |
| 92  | High field magneto-transport of mixed topological insulators $\text{Bi}_2\text{Se}_3\text{-xTe}_x$ ( $x = 0, 1, 2 \& 3$ ). Solid State Communications, 2021, 323, 114097.  | 1.9 | 6         |
| 93  | Structural and weak antilocalization analysis of topological single-crystal $\text{SnSb}_2\text{Te}_4$ . Journal of Alloys and Compounds, 2022, 895, 162553.   | 5.5 | 6         |
| 94  | Magnetic, magnetoresistance, and magnetodielectric properties of oxygen deficient charge ordered manganite, $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0008.gif" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Pr} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 0.5 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle$ . Journal of Magnetism and Magnetic Materials, 2012, 324, 649-654. | 2.3 | 5         |
| 95  | Effect of O and Mn Doping on Superconductivity in $\text{FeTe}_{0.5}\text{Se}_{0.5}$ Superconductor. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1159-1163.   | 1.2 | 5         |
| 96  | Effect of Magnetic (Nd) Doping on Electrical and Magnetic Properties of Topological $\text{Sb}_2\text{Te}_3$ Single Crystal. Journal of Superconductivity and Novel Magnetism, 2021, 34, 2463-2469.  | 1.8 | 5         |
| 97  | Radio frequency vortex dynamics in oriented platelets of $(\text{Bi} \llcorner \text{Pb})_2\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_{10}$ superconductor. Physica C: Superconductivity and Its Applications, 1998, 309, 221-230.  | 1.2 | 4         |
| 98  | Superconductivity at $31 \text{Å} \cdot 3 \text{ K}$ in Yb-doped $\text{La}(\text{O}/\text{F})\text{FeAs}$ superconductors. Journal of Chemical Sciences, 2010, 122, 43-46.  | 1.5 | 4         |
| 99  | Synthesis, microstructure and dielectric properties of zirconium doped barium titanate. AIP Conference Proceedings, 2016, , .  | 0.4 | 4         |
| 100 | Emergence of superconductivity in topological insulator $\text{Bi}_2\text{Se}_3$ by Sr intercalation. AIP Conference Proceedings, 2016, , .  | 0.4 | 4         |
| 101 | Possible superconductivity in Weyl semimetal NbP. AIP Conference Proceedings, 2016, , .  | 0.4 | 4         |
| 102 | Hidden transition in multiferroic and magnetodielectric $\text{CuCrO}_2$ evidenced by ac-susceptibility. Europhysics Letters, 2017, 118, 27008.  | 2.0 | 4         |
| 103 | Intergrain Connectivity and Resistive Broadening in Vortex State: A Comparison Between $\text{MgB}_2$ , $\text{NbSe}_2$ and $\text{Bi}_{1-x}\text{Sr}_x\text{Ca}_2\text{Cu}_3\text{O}_{10}$ Superconductors. IEEE Transactions on Applied Superconductivity, 2007, 17, 3016-3019.  | 1.7 | 3         |
| 104 | Compositionally controlled semimetal to superconducting transition in NaF doped $\text{LaOFeAs}$ : Enhancement in $T_c$ due to Na-doping. Physica C: Superconductivity and Its Applications, 2009, 469, 300-304.   | 1.2 | 3         |
| 105 | Magnetocapacitance in $\text{Ca}_3\text{CoMnO}_6$ . Journal of Applied Physics, 2011, 109, 07D734.   | 2.5 | 3         |
| 106 | Effect of Dy doping in frustrated multiferroic $\text{h-YMnO}_3$ . AIP Conference Proceedings, 2011, , .   | 0.4 | 3         |
| 107 | Effect of dilution of both A- and B- sites on the multiferroic properties of spinal Mott insulators. Materials Research Express, 2015, 2, 076501.  | 1.6 | 3         |
| 108 | Effect of pressure on superconductivity in the indium-doped topological crystalline insulator $\text{SnTe}$ . Journal of Physics Condensed Matter, 2015, 27, 242201.   | 1.8 | 3         |

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|-----|--|-----|-----------|
| 109 | Synthesis and characterization of indium doped La <sub>3</sub> Co <sub>4</sub> Sn <sub>13</sub> skutterudite superconductor. AIP Conference Proceedings, 2016, , .                                 | 0.4 | 3         |
| 110 | Single gap s-wave superconductivity in Nb <sub>2</sub> PdS <sub>5</sub> . Physica C: Superconductivity and Its Applications, 2016, 524, 24-27.   | 1.2 | 3         |
| 111 | Magneto-electric coupling in Ca <sub>3</sub> CoMnO <sub>6</sub> thin films. Journal of Magnetism and Magnetic Materials, 2016, 400, 282-285.   | 2.3 | 3         |
| 112 | Hydrostatic Pressure Effect on the Pinning Mechanism of $\mu\pm$ BiPd Noncentrosymmetric Superconductors. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900344.                       | 2.4 | 3         |
| 113 | The pressure-enhanced superconducting phase of Sr <sub>x</sub> Bi <sub>2</sub> Se <sub>3</sub> probed by hard point contact spectroscopy. Scientific Reports, 2021, 11, 4090.                      | 3.3 | 3         |
| 114 | Chiral anomaly induced negative magnetoresistance and weak anti-localization in Weyl semimetal Bi <sub>0.97</sub> Sb <sub>0.03</sub> alloy. Journal of Physics Condensed Matter, 2022, 34, 055601. | 1.8 | 3         |
| 115 | Structural and superconducting analysis of topologically non-trivial alloy of Sn <sub>1-x</sub> Sb <sub>x</sub> (x=0.4, 0.5,) Tj ETQq1 1 0.784314 rgBT /Overloc<br>4.0 3                           | 4.0 | 3         |
| 116 | Study of upper critical field in 1111-ferropnictide superconductors. , 2012, , .   |     | 2         |
| 117 | Multiferroicity in double perovskite Y <sub>2</sub> CoMnO <sub>6</sub> . AIP Conference Proceedings, 2012, , .   | 0.4 | 2         |
| 118 | Study of Ni and Zn doped CeOFeAs: Effect on the structural transition and specific heat capacity. Physica C: Superconductivity and Its Applications, 2013, 490, 49-54.                             | 1.2 | 2         |
| 119 | Superconductivity in In doped topological crystalline insulator SnTe. , 2014, , .  |     | 2         |
| 120 | Synthesis and characterization of binary intermetallic superconductor Mo <sub>8</sub> Ga <sub>4</sub> 1. AIP Conference Proceedings, 2017, , .   | 0.4 | 2         |
| 121 | Reduction in thermal conductivity of n-type ZrNiPb- based half-Heusler compounds via compositional engineering approach. AIP Conference Proceedings, 2019, , .                                     | 0.4 | 2         |
| 122 | Structural, surface morphology and magneto-transport properties of self flux grown Eu doped Bi <sub>2</sub> Se <sub>3</sub> single crystal. Materials Research Express, 2019, 6, 096107.           | 1.6 | 2         |
| 123 | Current Research and Future Prospective of Iron-Based Heusler Alloys as Thermoelectric Materials. Nanotechnologies in Russia, 2019, 14, 281-289.   | 0.7 | 2         |
| 124 | Magnetolectric response in honeycomb antiferromagnet Fe <sub>4</sub> NbTaO <sub>9</sub> . Journal of Magnetism and Magnetic Materials, 2020, 515, 167305.  | 2.3 | 2         |
| 125 | Magnetoresistance and scaling laws in type-II Weyl semimetal WP <sub>2</sub> . Physica B: Condensed Matter, 2021, 616, 413062.   | 2.7 | 2         |
| 126 | Emergence of magnetolectric-relaxor phase in La <sub>3</sub> Ni <sub>2</sub> TaO <sub>9</sub> . Journal of Magnetism and Magnetic Materials, 2022, 546, 168825.                                    | 2.3 | 2         |

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|-----|--|-----|-----------|
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