

Shovit Bhattacharya

List of Publications by Year in descending order

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138
papers

2,778
citations

186209

28
h-index

197736

49
g-index

138
all docs

138
docs citations

138
times ranked

3468
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Room-temperature H ₂ S gas sensing at ppb level by single crystal In ₂ O ₃ whiskers. <i>Sensors and Actuators B: Chemical</i> , 2008, 133, 456-461. | 4.0 | 258 |
| 2 | Realization of High Thermoelectric Figure of Merit in GeTe by Complementary Co-doping of Bi and In. <i>Joule</i> , 2019, 3, 2565-2580. | 11.7 | 175 |
| 3 | Improved thermoelectric performance of hot pressed nanostructured n-type SiGe bulk alloys. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6922. | 5.2 | 145 |
| 4 | Selective H ₂ S sensing characteristics of CuO modified WO ₃ thin films. <i>Sensors and Actuators B: Chemical</i> , 2013, 188, 525-532. | 4.0 | 96 |
| 5 | CuCrSe ₂ : a high performance phonon glass and electron crystal thermoelectric material. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11289. | 5.2 | 85 |
| 6 | High thermoelectric performance of (AgCrSe ₂) _{0.5} (CuCrSe ₂) _{0.5} nano-composites having all-scale natural hierarchical architectures. <i>Journal of Materials Chemistry A</i> , 2014, 2, 17122-17129. | 5.2 | 82 |
| 7 | Ethanol sensing properties of pure and Au modified ZnO nanowires. <i>Sensors and Actuators B: Chemical</i> , 2013, 187, 313-318. | 4.0 | 80 |
| 8 | Boosting thermoelectric performance of p-type SiGe alloys through in-situ metallic YSi ₂ nanoinclusions. <i>Nano Energy</i> , 2016, 27, 282-297. | 8.2 | 79 |
| 9 | RF sputtered SnO ₂ : NiO thin films as sub-ppm H ₂ S sensor operable at room temperature. <i>Sensors and Actuators B: Chemical</i> , 2017, 242, 389-403. | 4.0 | 78 |
| 10 | Development of low resistance electrical contacts for thermoelectric devices based on n-type PbTe and p-type TAGS-85 ((AgSbTe ₂) _{0.15} (GeTe) _{0.85}). <i>Journal Physics D: Applied Physics</i> , 2009, 42, 015502. | 1.3 | 73 |
| 11 | Origin of Buckling Phenomenon during Drying of Micrometer-Sized Colloidal Droplets. <i>Langmuir</i> , 2011, 27, 8404-8414. | 1.6 | 72 |
| 12 | Magnetoresistance and magnetothermoelectric power of La _{0.5} Pb _{0.5} Mn _{1-x} CrxO ₃ . <i>Physical Review B</i> , 2001, 64, . | 1.1 | 68 |
| 13 | Preparation and study of magnetic properties of silico phosphate glass and glass-ceramics having iron and zinc oxide. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 3821-3828. | 1.0 | 63 |
| 14 | Nanocomposite silicasurfactant microcapsules by evaporation induced self assembly: tuning the morphological buckling by modifying viscosity and surface charge. <i>Soft Matter</i> , 2012, 8, 1955-1963. | 1.2 | 57 |
| 15 | Synthesis of Tellurium Nanostructures by Physical Vapor Deposition and Their Growth Mechanism. <i>Crystal Growth and Design</i> , 2008, 8, 238-242. | 1.4 | 54 |
| 16 | Interfacial synthesis of long polyindole fibers. <i>Journal of Applied Polymer Science</i> , 2007, 103, 595-599. | 1.3 | 51 |
| 17 | Formation of hollow spherical and doughnut microcapsules by evaporation induced self-assembly of nanoparticles: effects of particle size and polydispersity. <i>Soft Matter</i> , 2012, 8, 10036. | 1.2 | 48 |
| 18 | Arrest of morphological transformation during evaporation-induced self-assembly of mixed colloids in micrometric droplets by charge tuning. <i>Soft Matter</i> , 2011, 7, 5423. | 1.2 | 45 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Preparation and studies on surface modifications of calcium-silico-phosphate ferrimagnetic glass-ceramics in simulated body fluid. <i>Materials Science and Engineering C</i> , 2009, 29, 2226-2233. | 3.8 | 41 |
| 20 | Growth of nanostructures of Zn/ZnO by thermal evaporation and their application for room-temperature sensing of H ₂ S gas. <i>Applied Physics A: Materials Science and Processing</i> , 2007, 87, 91-96. | 1.1 | 39 |
| 21 | Transition from n- to p-type conduction concomitant with enhancement of figure-of-merit in Pb doped bismuth telluride: Material to device development. <i>Materials and Design</i> , 2018, 159, 127-137. | 3.3 | 39 |
| 22 | Free-standing flexible multiwalled carbon nanotubes paper for wearable thermoelectric power generator. <i>Journal of Power Sources</i> , 2020, 449, 227493. | 4.0 | 38 |
| 23 | Tellurium-free thermoelectrics: Improved thermoelectric performance of n-type Bi ₂ Se ₃ having multiscale hierarchical architecture. <i>Energy Conversion and Management</i> , 2017, 145, 415-424. | 4.4 | 37 |
| 24 | Buckling-driven morphological transformation of droplets of a mixed colloidal suspension during evaporation-induced self-assembly by spray drying. <i>European Physical Journal E</i> , 2010, 31, 393-402. | 0.7 | 36 |
| 25 | Growth of Pd ₄ S, PdS and PdS ₂ films by controlled sulfurization of sputtered Pd on native oxide of Si. <i>Thin Solid Films</i> , 2013, 539, 41-46. | 0.8 | 35 |
| 26 | Anisotropic electrical transport studies of Ca ₃ Co ₄ O ₉ single crystals grown by the flux method. <i>Journal of Crystal Growth</i> , 2005, 277, 246-251. | 0.7 | 33 |
| 27 | Effect of Ni sublayer thickness on sliding wear characteristics of electrodeposited Ni/Cu multilayer coatings. <i>Surface and Coatings Technology</i> , 2007, 201, 7441-7448. | 2.2 | 33 |
| 28 | Colossal electroresistance in Sm _{0.55} Sr _{0.45} MnO ₃ . <i>Journal of Alloys and Compounds</i> , 2010, 508, L32-L35. | 2.8 | 30 |
| 29 | Enhancement of thermoelectric power factor by inducing octahedral ordering in $\text{La}_{1-x}\text{O}_{6-x}\text{Mn}_{2+x}$ double perovskites. <i>Physical Review B</i> , 2019, 99, . | 1.1 | 30 |
| 30 | Radiation effects on SBR/EPDM blends: A correlation with blend morphology. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2006, 44, 1676-1689. | 2.4 | 29 |
| 31 | Exploring YSZ/ZrO ₂ - PuO ₂ systems: Candidates for inert matrix fuel. <i>Journal of Nuclear Materials</i> , 2018, 508, 82-91. | 1.3 | 29 |
| 32 | Layered silicate-polymer nanocomposite coatings via radiation curing process for flame retardant applications. <i>Progress in Organic Coatings</i> , 2014, 77, 1443-1451. | 1.9 | 27 |
| 33 | Structural, magnetotransport and thermal properties of Sm substituted La _{0.7-x} Sm _x Ba _{0.3} MnO ₃ (0 ≤ x ≤ 0.2) manganites. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 424, 459-466. | 1.0 | 25 |
| 34 | Low temperature thermoelectric properties of Cu intercalated TiSe ₂ : a charge density wave material. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 111, 465-470. | 1.1 | 24 |
| 35 | Magnetic and Dielectric Properties of R ₂ CuTiO ₆ Compounds (R=Y, La, Pr and Nd). <i>Journal of Superconductivity and Novel Magnetism</i> , 2011, 24, 1829-1838. | 0.8 | 23 |
| 36 | Fabrication, properties and thermo-luminescent dosimetric application of CaF ₂ :Mn transparent ceramic. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 287, 51-55. | 0.6 | 21 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Enhanced Thermoelectric Properties of Selenium-Deficient Layered TiSe_2 : A Charge-Density-Wave Material. ACS Applied Materials & Interfaces, 2014, 6, 18619-18625. | 4.0 | 21 |
| 38 | Self-standing geometry of aligned carbon nanotubes with high surface area. Materials Letters, 2008, 62, 1989-1992. | 1.3 | 20 |
| 39 | Selective H ₂ S detection by CuO functionalized ZnO nanotetrapods at room temperature. Materials Chemistry and Physics, 2014, 143, 1319-1324. | 2.0 | 18 |
| 40 | H ₂ S sensors based on SnO ₂ films: RGTO versus RF sputtering. Materials Chemistry and Physics, 2014, 147, 707-714. | 2.0 | 18 |
| 41 | Role of Nd ³⁺ Ions in Modifying the Band Structure and Photocatalytic Properties of Substituted Indium Titanates, $\text{In}_{2(1-x)\text{Nd}_2\text{TiO}_5}$ Oxides. Journal of Physical Chemistry C, 2012, 116, 1458-1471. | 1.5 | 17 |
| 42 | Effect of ammonium nitrate on precipitation of Ammonium Di-Uranate (ADU) and its characteristics. Journal of Nuclear Materials, 2013, 440, 34-38. | 1.3 | 17 |
| 43 | Thermoelectric performance of Cu intercalated layered TiSe_2 above 300 K. Journal of Applied Physics, 2013, 114, . | 1.1 | 17 |
| 44 | Near room temperature magnetodielectric consequence in (Li, Ti) doped NiO ceramic. Journal of Applied Physics, 2016, 119, . | 1.1 | 17 |
| 45 | Study of thermal stability of Cu ₂ Se thermoelectric material. AIP Conference Proceedings, 2016, , . | 0.3 | 17 |
| 46 | Enhanced thermoelectric figure-of-merit of p-type SiGe through TiO ₂ nano-inclusions and modulation doping of boron. Materialia, 2018, 4, 147-156. | 1.3 | 17 |
| 47 | Calcium and oxygen doping in YBa ₂ Cu ₃ O _y . Solid State Communications, 2007, 141, 605-609. | 0.9 | 16 |
| 48 | Fabrication of dense (Th,U)O ₂ pellets through microspheres impregnation technique. Journal of Nuclear Materials, 2008, 381, 249-258. | 1.3 | 16 |
| 49 | Effect of pulse plating and additive on phase separation in Cu-Co nano-granular alloys. Journal of Alloys and Compounds, 2009, 475, 676-682. | 2.8 | 16 |
| 50 | Enhanced magnetization in multiferroic BiFeO ₃ through structural distortion and particle size reduction. Journal of Magnetism and Magnetic Materials, 2019, 483, 59-64. | 1.0 | 16 |
| 51 | Growth of homogeneous polycrystalline Si _{1-x} Gex and Mg ₂ Si _{1-x} Gex for thermoelectric application. Thin Solid Films, 2011, 519, 8532-8537. | 0.8 | 15 |
| 52 | Ferromagnetic resonance studies of nanocrystalline La _{0.6} Pb _{0.4} MnO ₃ thin films. Materials Letters, 2005, 59, 728-733. | 1.3 | 14 |
| 53 | Effect of ZnO on phase emergence, microstructure and surface modifications of calcium phosphosilicate glass/glass-ceramics having iron oxide. Applied Surface Science, 2010, 256, 3107-3115. | 3.1 | 14 |
| 54 | Improved Thermoelectric Properties of Se-Doped n-Type $\text{PbTe}_{1-x}\text{Se}_x$ ($0 \leq x \leq 1$). Journal of Electronic Materials, 2013, 42, 2292-2296. | 1.0 | 14 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Thermal evolution of nanocrystalline co-sputtered Ni-Zr alloy films: Structural, magnetic and MD simulation studies. <i>Journal of Alloys and Compounds</i> , 2015, 649, 746-754. | 2.8 | 14 |
| 56 | Impact of silver substitution on the magnetotransport and thermal behavior of polycrystalline $\text{Sm}_{0.55}\text{Sr}_{0.45-x}\text{Ag}_x\text{MnO}_3$ ($x=0$ & 0.15) manganites. <i>Journal of Alloys and Compounds</i> , 2017, 691, 230-238. | 2.8 | 14 |
| 57 | Remarkable Improvement of Thermoelectric Figure-of-Merit in SnTe through In Situ-Created Te Nano-inclusions. <i>ACS Applied Energy Materials</i> , 2020, 3, 7113-7120. | 2.5 | 14 |
| 58 | Investigation of structural and some physical properties of Cr substituted polycrystalline $\text{Eu}_{0.5}\text{Sr}_{0.5}\text{Mn}_{1-x}\text{Cr}_x\text{O}_3$ ($0 \leq x \leq 0.1$) manganites. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 8899-8905. | 1.1 | 13 |
| 59 | Synergistic effect of Zn doping on thermoelectric properties to realize a high figure-of-merit and conversion efficiency in $\text{Bi}_{2-x}\text{Zn}_x\text{Te}_3$ based thermoelectric generators. <i>Journal of Materials Chemistry C</i> , 2022, 10, 7970-7979. | 2.7 | 13 |
| 60 | Interactions of ferrimagnetic glass/glass-ceramics with bovine serum albumin. <i>Applied Surface Science</i> , 2012, 258, 2356-2361. | 3.1 | 12 |
| 61 | Magnetic and transport properties driven by Sr substitution in polycrystalline $\text{Pr}_{1-x}\text{Sr}_x\text{CoO}_3$ ($0.1 \leq x \leq 0.7$) $T_{\text{c}} = 11.1$ K, $\rho_{\text{300K}} = 0.784$ mΩcm, $\rho_{\text{4K}} = 0.12$ mΩcm | 1.1 | 12 |
| 62 | Stabilizing Thermoelectric Figure-of-Merit of Superionic Conductor Cu_2Se through W Nano-inclusions. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020, 14, 2000102. | 1.2 | 12 |
| 63 | Low temperature thermopower and electrical transport in misfit $\text{Ca}_3\text{Co}_4\text{O}_9$ with elongated c-axis. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 085414. | 1.3 | 11 |
| 64 | Deposition and in-situ characterization of Ti-Zr-V alloy thin films annealed at different temperatures under ultra-high vacuum conditions. <i>Journal of Alloys and Compounds</i> , 2015, 651, 375-381. | 2.8 | 11 |
| 65 | Growth and morphology of the single crystals of thermoelectric oxide material Na_xCoO_2 . <i>Crystal Research and Technology</i> , 2004, 39, 572-576. | 0.6 | 10 |
| 66 | DNA-Templated Assemblies of Nickel Hexacyanoferrate Crystals. <i>Journal of Physical Chemistry B</i> , 2008, 112, 6467-6472. | 1.2 | 9 |
| 67 | Some properties of lithium aluminium silicate (LAS) glass-ceramics used in glass-ceramic to metal compressive seal for vacuum applications. <i>Journal of Physics: Conference Series</i> , 2008, 114, 012042. | 0.3 | 8 |
| 68 | Defining the Post-Machined Sub-surface in Austenitic Stainless Steels. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018, 49, 2281-2292. | 1.1 | 8 |
| 69 | Studies on $\text{La}_{2-x}\text{Pr}_x\text{Ca}_y\text{Ba}_2\text{Cu}_4\text{O}_z$ ($x=0.1-0.5, y=2x$) type mixed oxide superconductors. <i>Solid State Communications</i> , 2003, 128, 97-100. | 0.9 | 7 |
| 70 | Band Convergence and Phonon Scattering Mediated Improved Thermoelectric Performance of SnTe - PbTe Nanocomposites. <i>ACS Applied Energy Materials</i> , 2020, 3, 8882-8891. | 2.5 | 7 |
| 71 | Structural and surface studies on calcium phospho-silicate glass-ceramics containing zinc and iron oxide. <i>Journal of Non-Crystalline Solids</i> , 2013, 376, 221-228. | 1.5 | 6 |
| 72 | Self-Operating Flyback Converter for Boosting Ultra-Low Voltage of Thermoelectric Power Generator for IoT Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2022, 69, 12957-12966. | 5.2 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 73 | The effect of NiO on the phase formation, thermo-physical properties and sealing behaviour of lithium zinc silicate glass-ceramics. <i>Journal of Materials Science</i> , 2009, 44, 3349-3355. | 1.7 | 5 |
| 74 | Low-field Magnetoresistance, Specific Heat and Magnetocaloric Effect in Sr Substituted Pr _{0.7} Ca _{0.3} MnO ₃ . <i>Journal of Superconductivity and Novel Magnetism</i> , 2011, 24, 1425-1431. | 0.8 | 5 |
| 75 | Effect of Te doping on the thermopower of PbSe _{1-x} Te _x . <i>Emerging Materials Research</i> , 2012, 1, 306-311. | 0.4 | 5 |
| 76 | Thermoelectric properties of AgCrSe ₂ . <i>AIP Conference Proceedings</i> , 2012, , . | 0.3 | 5 |
| 77 | Aerosol assisted chemical vapour deposition of germanium thin films using organogermanium carboxylates as precursors and formation of germania films. <i>Bulletin of Materials Science</i> , 2012, 35, 365-368. | 0.8 | 5 |
| 78 | H ₂ S sensing properties of R.F. sputtered NiO thin films. <i>AIP Conference Proceedings</i> , 2014, , . | 0.3 | 5 |
| 79 | Thermoelectric performance of layered Sr _x TiSe ₂ above 300 K. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 445002. | 0.7 | 5 |
| 80 | High Power Factor of Ga-Doped Compositionally Homogeneous Si _{0.68} Ge _{0.32} Bulk Crystal Grown by the Vertical Temperature Gradient Freezing Method. <i>Crystal Growth and Design</i> , 2015, 15, 1380-1388. | 1.4 | 5 |
| 81 | Investigation on gas sensing properties of Ag doped BiFeO ₃ . <i>AIP Conference Proceedings</i> , 2018, , . | 0.3 | 4 |
| 82 | Phase evolution in M _{1-x} Pu _x O ₂ (0.0 ≤ x ≤ 0.6) (M = Zr, Th) as potential inert matrix fuel system under reducing and oxidizing conditions. <i>Journal of Nuclear Materials</i> , 2021, 547, 152800. | 1.3 | 4 |
| 83 | Improved temperature coefficient of resistance and transport properties of Nd _{0.7} Sr _{0.3} A _x MnO ₃ (A = Ag, Na, K; x = 0 & 0.1) manganites. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 23134-23145. | | |
| 84 | Growth, Characterization and Gas Sensing Properties of Nanotetrapod ZnO. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 4106-4110. | 0.9 | 3 |
| 85 | Superconductivity and Magnetism in R ₂ CaBa ₂ Cu ₅ O _z (R=La, Pr, Nd and Eu). <i>Journal of Superconductivity and Novel Magnetism</i> , 2009, 22, 759-767. | 0.8 | 3 |
| 86 | Thermoelectric properties of Ag added Ca _{0.98} La _{0.02} MnO ₃ . , 2014, , . | | 3 |
| 87 | Vertical gradient solution growth of N-type Si _{0.73} Ge _{0.27} bulk crystals with homogeneous composition and its thermoelectric properties. <i>Journal of Crystal Growth</i> , 2016, 442, 102-109. | 0.7 | 3 |
| 88 | Temperature Driven Unusual Reversible p to n Type Conduction Switching in Bi ₂ Te _{2.7} Se _{0.3} . <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1900121. | 1.2 | 3 |
| 89 | HgO-added YBa ₂ Cu ₃ O _{7-x} superconductors. <i>Pramana - Journal of Physics</i> , 2004, 63, 233-237. | 0.9 | 2 |
| 90 | Nanogranular Fe-Cu-Ag Thin Films: Structure, Microstructure and Giant Magnetoresistance. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 2964-2970. | 0.9 | 2 |

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|-----|--|-----|-----------|
| 91 | Thin films of Ti-Nb-Zr as non-evaporable getter films. Journal of Physics: Conference Series, 2012, 390, 012041. | 0.3 | 2 |
| 92 | Observation of Re-entrant Resistance in NbN/NbO/Co Trilayer. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1455-1458. | 0.8 | 2 |
| 93 | Stripping study of U(VI) from loaded TBP/n-paraffin using ammonium nitrate bearing waste as strippant. Journal of Radioanalytical and Nuclear Chemistry, 2013, 295, 2141-2146. | 0.7 | 2 |
| 94 | Effect of hot-press sintering temperature on thermal transport properties of TiSe ₂ . , 2013, , . | | 2 |
| 95 | Thermoelectric properties of CuCrSe ₂ . , 2013, , . | | 2 |
| 96 | Improvement in thermoelectric power factor of mechanically alloyed p-type SiGe by incorporation of TiB ₂ . AIP Conference Proceedings, 2016, , . | 0.3 | 2 |
| 97 | Impact of nickel substitution on the structural and conduction behaviour of YBaCo _{4-x} Ni _x O ₇ (0.3) cobaltites. Applied Physics A: Materials Science and Processing, 2016, 122, 1. | 1.1 | 2 |
| 98 | Transport properties of bismuth telluride compound prepared by mechanical alloying. AIP Conference Proceedings, 2017, , . | 0.3 | 2 |
| 99 | Improving the Thermoelectric Performance of Tetrahedrally Bonded Quaternary Selenide Cu ₂ CdSnSe ₄ Using CdSe Precipitates. Journal of Electronic Materials, 2019, 48, 2120-2130. | 1.0 | 2 |
| 100 | Tailoring of thermoelectric properties in Bi ₂ Te ₃ by varying the sintering temperature. AIP Conference Proceedings, 2020, , . | 0.3 | 2 |
| 101 | Enhanced H ₂ S gas sensing performance of Ca-doped Bismuth Ferrite thick films. Materials Science in Semiconductor Processing, 2022, 148, 106782. | 1.9 | 2 |
| 102 | Effect of Processing Parameters on the Superconductivity of HgO Added Y-123 Compound. Journal of Superconductivity and Novel Magnetism, 2002, 15, 563-566. | 0.5 | 1 |
| 103 | Preparation and Characterization of HgO and AgO Added La ₂ CaBa ₂ Cu ₅ O _z Superconductors. Journal of Superconductivity and Novel Magnetism, 2009, 22, 699-704. | 0.8 | 1 |
| 104 | Resistivity study of RuSr ₂ GdCu ₂ O ₈ superconductor. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 411-416. | 0.8 | 1 |
| 105 | Morphological deformation during evaporation induced assembly of mixed colloidal suspension. , 2010, , . | | 1 |
| 106 | Thermoelectric Properties of Ca ₄ Mn _{3-x} Nb _x O ₁₀ . , 2011, , . | | 1 |
| 107 | Synthesis of optically transparent ceramic of CaF ₂ doped with Mn and Ce for thermoluminescent dosimetry. , 2012, , . | | 1 |
| 108 | Thermoelectric properties of transition metal intercalated layered TiSe ₂ . , 2012, , . | | 1 |

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|-----|--|-----|-----------|
| 109 | Influence of Cu intercalation on thermal transport properties of titanium diselenide. , 2013, , . | | 1 |
| 110 | Thermal transport properties of strontium intercalated titanium diselenide. , 2013, , . | | 1 |
| 111 | H[₂]S sensing properties of RF sputtered SnO[₂] films. , 2013, , . | | 1 |
| 112 | Enhanced figure of merit in (AgCrSe[₂])[_{0.75}](CuCrSe[₂])[_{0.25}]. AIP Conference Proceedings, 2013, , . | 0.3 | 1 |
| 113 | Experimental and Simulation Studies of Helium Channel Reconstruction for Test Blanket Module Fabrication by High-Power Laser Welding. Fusion Science and Technology, 2014, 65, 199-204. | 0.6 | 1 |
| 114 | Effect of silver addition on thermoelectric properties of half-doped rare-earth manganite. AIP Conference Proceedings, 2016, , . | 0.3 | 1 |
| 115 | Optimisation of electrical contact resistance in Bi _{0.5} Sb _{1.5} Te ₃ for development of thermoelectric generators. AIP Conference Proceedings, 2017, , . | 0.3 | 1 |
| 116 | Tailoring thermal conductivity in PbS by incorporation of copper for thermoelectric applications. AIP Conference Proceedings, 2017, , . | 0.3 | 1 |
| 117 | Lead sulphide: Low cost, abundant thermoelectrics. AIP Conference Proceedings, 2018, , . | 0.3 | 1 |
| 118 | Studies on n- and p-type metal oxide compounds for thermoelectric device fabrication. Bulletin of Materials Science, 2018, 41, 1. | 0.8 | 1 |
| 119 | Effect of tin on thermoelectric power factor of indium tin oxide. AIP Conference Proceedings, 2019, , . | 0.3 | 1 |
| 120 | Near room temperature thermoelectrics: Ag ₂ Se. AIP Conference Proceedings, 2020, , . | 0.3 | 1 |
| 121 | Au incorporated ZnO nanowire thin films as highly efficient NO ₂ sensor. AIP Conference Proceedings, 2020, , . | 0.3 | 1 |
| 122 | Superconducting and microstructural properties of Mg _{1-x} Ag _x B ₂ . Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 1456-1459. | 0.8 | 0 |
| 123 | An Electrochemical Approach for Deposition of Polyfullerene Films on ITO Substrates. Journal of the Electrochemical Society, 2011, 159, D13-D18. | 1.3 | 0 |
| 124 | Improved thermoelectric properties of PbTe _{0.5} Se _{0.5} . , 2012, , . | | 0 |
| 125 | H ₂ S sensing properties of RGTO grown SnO ₂ films. , 2012, , . | | 0 |
| 126 | Thermoelectric property of Cu[₂]ZnSnSe[₄] and Cu[₂]Zn[_{0.5}]Cd[_{0.5}]SnSe[₄]. , 2013, , . | | 0 |

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|-----|--|-----|-----------|
| 127 | Study on thermal hysteresis of Sr doped manganites. , 2013, , . | | 0 |
| 128 | Dramatic thermal conductivity reduction in PbSe[sub 0.5]Te[sub 0.5]. , 2013, , . | | 0 |
| 129 | Electrochemical characterization of sodium and potassium doped lanthanum-titanium mixed oxides prepared by sol-gel method. Journal of Sol-Gel Science and Technology, 2014, 72, 455-463. | 1.1 | 0 |
| 130 | High temperature thermoelectric performance of NiCr ₂ Se ₄ . AIP Conference Proceedings, 2015, , . | 0.3 | 0 |
| 131 | Chemical synthesis and characterization of PdTe-Ag ₂ Te nanowires heterostructure. AIP Conference Proceedings, 2016, , . | 0.3 | 0 |
| 132 | Structural and transport properties of Nd _{0.6} Sr _{0.4} CoO ₃ compound. AIP Conference Proceedings, 2017, , . | 0.3 | 0 |
| 133 | Synthesis & tailoring the thermal conductivity of Sr doped Bi ₂ Se ₃ thermoelectric material. AIP Conference Proceedings, 2017, , . | 0.3 | 0 |
| 134 | Indigenously developed alpha particle detector using ZnS nanostructure. AIP Conference Proceedings, 2019, , . | 0.3 | 0 |
| 135 | Ambient-air fabrication with inorganic/polymer hole transport layer: Towards low cost perovskite solar cells. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 136 | Study of magnetic structure of ferrimagnet holmium iron garnet by neutron diffraction at room temperature. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 137 | Structural and Mössbauer spectroscopic studies of Mn-substituted Cu-ferrite nanoparticles. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |
| 138 | Environment friendly SnTe thermoelectrics: Material to device. AIP Conference Proceedings, 2020, , . | 0.3 | 0 |