

Ganesan Vedachalaiyer

List of Publications by Year in descending order

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papers

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41258

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9210
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#	ARTICLE	IF	CITATIONS
1	Superconducting and normal state properties of quasi-one-dimensional Nb ₂ Pd(S _{0.9} Te _{0.1}) ₅ system. Journal of Solid State Chemistry, 2022, 305, 122652.	1.4	0
2	Structural, electrical transport and magnetoresistance properties of La _{0.7} Ca _{0.3} MnO ₃ :ZnO nanocomposites. Materials Chemistry and Physics, 2022, 277, 125430.	2.0	3
3	Magnetotransport and thermoelectric properties of cobalt doped Bi ₂ Te ₃ nanostructures. Materials Letters, 2022, 309, 131389.	1.3	0
4	Intricate interplay between superconductivity and topological surface states of c axis oriented MoTe ₂ . Journal of Applied Physics, 2022, 131, 193902.	1.1	2
5	Magnetotransport and thermal properties of microwave synthesized nanostructured Bi ₂ Te ₃ . Journal of Applied Physics, 2021, 129, 194304.	1.1	1
6	Tuning of structural, morphological, optical and electrical properties of SnO ₂ by indium inclusion. Bulletin of Materials Science, 2021, 44, 1.	0.8	2
7	Significant enhancement in thermoelectric power with Iso-electronic doping in c-axis oriented MoTe ₂ nano bulk sheets. Materials Letters, 2021, 303, 130449.	1.3	1
8	Transport properties, charge conduction mechanism and magnetic behavior of La _{0.3} Ca _{0.7} MnO ₃ :ZnO Nanocomposites. Materials Science in Semiconductor Processing, 2021, 135, 106130.	1.9	2
9	Semiconducting nature and magnetoresistance behaviour of ZnO / La _{0.3} Ca _{0.7} MnO ₃ / SrTiO ₃ heterostructures. Materials Science in Semiconductor Processing, 2021, 136, 106154.	1.9	5
10	Signature of vortex glass and non-Fermi liquid state in a magnetic superconductor Pr ₂ Pt ₃ Ge ₅ . Journal of Alloys and Compounds, 2021, 888, 161592.	2.8	4
11	Periconium sp. (endophytic fungi) extract mediated sol-gel synthesis of ZnO nanoparticles for antimicrobial and antioxidant applications. Materials Science in Semiconductor Processing, 2020, 105, 104739.	1.9	99
12	Anomalous magnetic properties of CrTiO ₅ (R = Dy and Ho) compounds. Journal of Physics Condensed Matter, 2020, 32, 035802.	0.7	2
13	Correlation Between Magnetic Ordering and Crossover from Weak Anti-Localization (WAL) to Weak Localization (WL) in Cobalt- and Manganese-Doped Bi _{0.94} Sb _{0.06} Topological Insulator Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1659-1666.	0.8	7
14	Survival of Topological Surface States in Cobalt Doped Sb ₂ Te ₃ . Journal of Superconductivity and Novel Magnetism, 2020, 33, 1645-1651.	0.8	3
15	Physical and magnetic properties of (Ce _{1-x} Nd _x) ₃ Al (x = 0.3): Coexisting ferromagnetism and Kondo effect. Journal of Magnetism and Magnetic Materials, 2020, 514, 167184.	1.0	2
16	Magnetotransport and Berry phase in magnetically doped Bi _{0.97-x} Sb _{0.03} single crystals. Physical Review B, 2020, 102, .	1.1	8
17	Effect of bismuth doping on the structural, magnetic, electrical, and thermopower behavior of lanthanum silver manganites. Journal of Materials Science: Materials in Electronics, 2020, 31, 15931-15942.	1.1	7
18	Thermopower study of polycrystalline Fe intercalated TiSe ₂ . AIP Conference Proceedings, 2020, , .	0.3	1

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19	Magnetocaloric Properties of Gd ^x HoxMnO ₃ Multiferroic Compounds. Journal of Low Temperature Physics, 2020, 200, 40-50.	0.6	8
20	Soft Ferromagnetic Properties of Half-Metallic Mn ₂ CoAl Heusler Alloy Nanoparticles for Spintronics Applications. Journal of Superconductivity and Novel Magnetism, 2020, 33, 2759-2766.	0.8	3
21	The effect of rare-earth Gd-substitution on the structural, magnetic and specific heat properties in orthorhombic DyMnO ₃ ceramics. Journal Physics D: Applied Physics, 2020, 53, 405301.	1.3	2
22	Transport properties of a modified CDW insulator - Cox:TiSe ₂ . Physica B: Condensed Matter, 2020, 590, 412145.	1.3	5
23	Enhanced thermoelectric performance of nanostructured manganese telluride via antimony doping. Journal of Alloys and Compounds, 2020, 836, 155374.	2.8	16
24	Oxygen Vacancy-Induced Topological Hall Effect in a Nonmagnetic Band Insulator. Advanced Quantum Technologies, 2020, 3, 2000021.	1.8	9
25	Magnetic properties of the one-dimensional Heisenberg antiferromagnetic spin-chain compound NaMn_2O_2 . Journal of Applied Physics, 2020, 127, 114520.	1.1	11
26	Effect of nano-inclusions of RE-211 (RE= Y, Nd, Sm, Gd) on critical current density in high T _c YBa ₂ Cu ₃ O _{7-x} (123). AIP Conference Proceedings, 2020, , .	0.3	1
27	Al doping for bipolarity induction in transparent conducting CuInO ₂ and its application in diode fabrication. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 255, 114520.	1.7	6
28	Disorder-induced critical exponents near a ferromagnetic quantum critical point in Mn_2O_2 . Physical Review Materials, 2020, 4, .	1.1	8
29	Unconventional impurity band conduction and carrier dynamics in Ni substituted FeSi. Journal of Physics Condensed Matter, 2020, 32, 335602.	0.7	2
30	Transport and thermal properties of polycrystalline ZrTe ₅ . Journal of Applied Physics, 2020, 127, .	1.1	6
31	Structural and magnetic properties of co-sputtered $\text{Fe}_{0.8}\text{C}_{0.2}$ thin films. Physical Review Materials, 2020, 4, .	0.9	2
32	Enhancement of the upper critical field (H _{C2}) in Nb ₂ Pd(S _{0.9} Te _{0.1}) ₅ superconducting fibers. AIP Conference Proceedings, 2020, , .	0.3	0
33	Superconducting parameters of La ₂ Pt ₃ Ge ₅ . AIP Conference Proceedings, 2019, , .	0.3	1
34	Weak antilocalization in Sb ₂ Te ₃ nano-crystalline topological insulator. Applied Surface Science, 2019, 496, 143654.	3.1	16
35	Transport and calorimetric properties of CrSi. AIP Conference Proceedings, 2019, , .	0.3	1
36	Constitutive modelling of transient and steady state creep behaviour of type 316LN austenitic stainless steel. Mechanics of Materials, 2019, 137, 103122.	1.7	18

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37	Signatures of trivial to topological phase transition in Bi _{1-x} Sb _x nanocrystals synthesized by microwave assisted solvothermal method. AIP Conference Proceedings, 2019, , .	0.3	0
38	Possible evidence for topological surface states in nanocrystalline Bi ₂ Te ₃ . AIP Conference Proceedings, 2019, , .	0.3	1
39	Magnetic, thermal and magnetocaloric studies of polycrystalline HoMnO ₃ compound. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	1.1	10
40	Metamagnetism in itinerant ferromagnetic CeCrGe ₃ Kondo system. Physica B: Condensed Matter, 2019, 575, 411701.	1.3	3
41	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \text{A} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -phase, field-induced tricritical point, and universal magnetocaloric scaling in EuPtSi. Physical Review B, 2019, 100, .	1.1	6
42	Ferromagnetic ordering in nickel doped BiFeO ₃ nanostructured thin films. Journal of Materials Science: Materials in Electronics, 2019, 30, 18306-18314.	1.1	7
43	Enhanced thermoelectric property of nanostructured CaMnO ₃ by sol-gel hydrothermal method. Physica B: Condensed Matter, 2019, 575, 411707.	1.3	18
44	Study of tilted orthorhombic twins and leakage current in epitaxial SmFeO ₃ thin films. Journal of Applied Physics, 2019, 125, .	1.1	7
45	Robust superconductivity against the antiferromagnetic ordering in Pr ₂ Pt ₃ Ge ₅ . Physica B: Condensed Matter, 2019, 570, 296-300.	1.3	9
46	Structural and photo-conducting properties of Cd _{1-x} Al _x S thin films prepared by spray pyrolysis. AIP Conference Proceedings, 2019, , .	0.3	0
47	Heat capacity studies of Ni substituted FeSi. AIP Conference Proceedings, 2019, , .	0.3	1
48	CDW transition in Fe intercalated TiSe ₂ . AIP Conference Proceedings, 2019, , .	0.3	3
49	Low temperature anomalies and room temperature magnetism in In _{0.95} Fe _{0.05} Sb dilute magnetic semiconducting film. Journal of Applied Physics, 2019, 126, 215702.	1.1	8
50	Study of orthorhombic twins in epitaxial GdFeO ₃ thin films. Thin Solid Films, 2019, 669, 301-305.	0.8	5
51	Quantum phase transition and non-Fermi liquid behavior in Fe _{1-x} Co _x Si (0.7). Journal of Physics Condensed Matter, 2018, 30, 145602.	0.7	3
52	Deposition and characterization of spray pyrolysed p-type Cu ₂ SnS ₃ thin film for potential absorber layer of solar cell. Physica B: Condensed Matter, 2018, 538, 8-12.	1.3	21
53	Electrochemically synthesized faceted CuInTe ₂ nanorods as an electron source for field emission applications. New Journal of Chemistry, 2018, 42, 5284-5294.	1.4	3
54	Tin-incorporated nanostructured copper indium oxide delafossite thin films: Structural, electrical and optical analysis. Journal of Alloys and Compounds, 2018, 746, 435-444.	2.8	10

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55	Thickness dependent optical and structural properties of polytetrafluoroethylene/zinc oxide films by radio frequency magnetron sputtering. <i>Advances in Polymer Technology</i> , 2018, 37, 2774-2787.	0.8	2
56	Morphological evolution of Bi ₂ Se ₃ nanocrystalline materials synthesized by microwave assisted solvothermal method. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	1
57	Preparation and temperature dependent Raman study of polycrystalline GdFeO ₃ thin film. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
58	Metal insulator transition in nickel substituted FeSi. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
59	Annealing dependent evolution of columnar nanostructures in RF magnetron sputtered PTFE films for hydrophobic applications. <i>Materials Research Express</i> , 2018, 5, 015312.	0.8	7
60	Effect of Zn/Sn molar ratio on the microstructural and optical properties of Cu ₂ Zn _{1-x} Sn _x S ₄ thin films prepared by spray pyrolysis technique. <i>Physica B: Condensed Matter</i> , 2018, 533, 22-27.	1.3	16
61	Evolution of surface topography and optical band gap of ZnO film deposited on NiO/Si(100). <i>Surface and Interface Analysis</i> , 2018, 50, 240-245.	0.8	9
62	Thermoelectric power evidence of quantum phase transition. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
63	Magnetic field induced enhancement of resistance in polycrystalline ZrTe ₅ . <i>AIP Conference Proceedings</i> , 2018, , .	0.3	1
64	Density and microstructure of a-C thin films. <i>Diamond and Related Materials</i> , 2018, 84, 71-76.	1.8	12
65	Studies on magneto conductance of nickel substituted FeSi. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 448, 257-261.	1.0	1
66	Spin fluctuations in Cr doped MnSi. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 448, 130-134.	1.0	6
67	Surface characterization and gas sensing performance of yttrium doped TiO ₂ nanofilms prepared by automated nebulizer spray pyrolysis (ANSP). <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 392-401.	1.1	9
68	Anomalous Magnetotransport Properties of Bi Doped La _{0.67} Sr _{0.33} MnO ₃ . <i>Physica Status Solidi (B): Basic Research</i> , 2018, 255, 1700194.	0.7	3
69	Effect of light and heavy rare earth mixing on the properties of Nd _{1-x} Gd _x Co ₂ . <i>Journal Physics D: Applied Physics</i> , 2018, 51, 505001.	1.3	4
70	Heteroepitaxial growth of self-assembled BaTiO ₃ -Fe ₂ O ₃ nanostructures. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2018, 36, .	0.6	1
71	Magnetoresistance behavior in nanobulk assembled Bi ₂ Se ₃ topological insulator. <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0
72	The existence of superconductivity in Nb _{1.75} Ta _{0.25} Pd ₅ . <i>AIP Conference Proceedings</i> , 2018, , .	0.3	0

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73	Effect of 120 MeV Au ⁹⁺ ion irradiation on the structure and surface morphology of ZnO/NiO heterojunction. Surface and Interface Analysis, 2018, 50, 954-961.	0.8	2
74	Visible and near-infrared wavelength-selective dielectric reflectors for light management applications. Superlattices and Microstructures, 2018, 122, 228-234.	1.4	8
75	Anomalous low temperature resistivity in CeCr _{0.8} V _{0.2} Ge ₃ . AIP Conference Proceedings, 2018, , .	0.3	0
76	Structural, morphological and electrical properties of Sb doped SnO ₂ thin film by spray pyrolysis. AIP Conference Proceedings, 2018, , .	0.3	5
77	Charge transport mechanisms in sol-gel grown La _{0.7} Pb _{0.3} MnO ₃ /LaAlO ₃ manganite films. Physical Chemistry Chemical Physics, 2017, 19, 5163-5176.	1.3	39
78	Low temperature transport anomaly in Cr substituted (La _{0.67} Sr _{0.33})MnO ₃ manganites. Journal of Magnetism and Magnetic Materials, 2017, 432, 581-590.	1.0	13
79	Critical behavior, universal magnetocaloric, and magnetoresistance scaling of MnSi. Physical Review B, 2017, 95, .	1.1	28
80	Influence of particle size and dielectric environment on the dispersion behaviour and surface plasmon in nickel nanoparticles. Physical Chemistry Chemical Physics, 2017, 19, 14096-14106.	1.3	53
81	Growth, mechanism and properties of TiO ₂ nanorods embedded nanopillar: Evidence of lattice orientation effect. Superlattices and Microstructures, 2017, 109, 145-153.	1.4	13
82	Annealing induced morphological modifications in PTFE films deposited by magnetron sputtering. AIP Conference Proceedings, 2017, , .	0.3	2
83	Structure and morphology of Sn _{1-x} Al _x O ₂ thin films prepared by spray pyrolysis technique. Journal of Physics: Conference Series, 2017, 836, 012049.	0.3	0
84	Spin reorientation and disordered rare earth magnetism in Ho ₂ FeCoO ₆ . Journal of Physics Condensed Matter, 2017, 29, 475804.	0.7	16
85	Compensation effects in a correlated insulator Fe _{1-x} Ni _x Si. AIP Conference Proceedings, 2017, , .	0.3	2
86	Fabrication and characterization of TiO ₂ /SiO ₂ based Bragg reflectors for light trapping applications. Results in Physics, 2017, 7, 2271-2276.	2.0	23
87	Reflectance modulation using SiO ₂ /TiO ₂ multilayer structures prepared by sol-gel spin coating process for optical applications. Superlattices and Microstructures, 2017, 111, 1099-1103.	1.4	19
88	Study of two-phase magnetization reversal in patterned cobalt thin film. Journal Physics D: Applied Physics, 2017, 50, 425001.	1.3	10
89	Self-assembled horseshoe type shape transitions in morphology of Cu substituted ZnO. AIP Conference Proceedings, 2017, , .	0.3	1
90	Quantum size effect on the heat capacity of nickel nanolattice. Applied Physics Letters, 2017, 111, .	1.5	7

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91	UV-shielding efficiency of TiO ₂ -polystyrene thin films prepared by solution cast method. Journal of Physics: Conference Series, 2017, 836, 012048.	0.3	7
92	Strain control in self assembled growth of vertical nano structured heteroepitaxial thin films. AIP Conference Proceedings, 2017, , .	0.3	0
93	Role of carrier concentration in swift heavy ion irradiation induced surface modifications. Surface Science, 2017, 664, 137-146.	0.8	7
94	Role of molar concentration in structural, optical and gas sensing performance of anatase phase TiO ₂ nanofilms: automated nebulizer spray pyrolysis (ANSP) technique. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	3
95	Microwave assisted radiant heating effect on the crystallization of SnO ₂ thin films prepared by spin-coating. AIP Conference Proceedings, 2017, , .	0.3	0
96	Novel report on single phase BiFeO ₃ nanorod layer synthesised rapidly by novel hot-wall spray pyrolysis system: evidence of high magnetization due to surface spins. Journal of Materials Science: Materials in Electronics, 2017, 28, 3217-3225.	1.1	6
97	Effects of Mn Doping on Zinc Oxide Films Prepared by Spray Pyrolysis Technique. International Journal of Nanoscience, 2017, 16, 1650024.	0.4	5
98	Studies on Dissolution Behavior of the Surface Layer of Sodium-Exposed SS 316LN in Decontaminating Formulation Using PEMHS. Nuclear Technology, 2017, 197, 99-109.	0.7	5
99	Magnetic field induced Fermi liquid behavior in Mn _{0.95} Cr _{0.05} Si. AIP Conference Proceedings, 2017, , .	0.3	1
100	Low Temperature Heat Capacity of polycrystalline MnSi. Journal of Physics: Conference Series, 2016, 755, 012037.	0.3	3
101	Role of iso-electronic Ru ⁵⁺ in thermal transport behavior of YMn _{1-x} Ru _x O ₃ compounds. Journal of Alloys and Compounds, 2016, 688, 280-287.	2.8	4
102	Resonant dipolar relaxation in poly (̇-caprolactone)â€™A thermally stimulated depolarization current study. Journal of Applied Physics, 2016, 120, .	1.1	1
103	Low temperature dielectric relaxation of poly (L-lactic acid) (PLLA) by Thermally Stimulated Depolarization Current. Journal of Physics: Conference Series, 2016, 755, 012039.	0.3	0
104	Thermoelectric properties of CuS/Ag ₂ S nanocomposites synthesised by modified polyol method. AIP Conference Proceedings, 2016, , .	0.3	3
105	Investigation of magnetoresistance and localization behavior in nanobulk assembly of Bi ₂ Te ₃ . Journal of Physics: Conference Series, 2016, 755, 012011.	0.3	0
106	Zeta-potential and particle size studies of silver sulphide nanoparticles. AIP Conference Proceedings, 2016, , .	0.3	2
107	Effect of bismuth doping on the physical properties of Laâ€™Liâ€™Mnâ€™O manganite. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	11
108	Electrical and transport properties of nearly stoichiometric transparent nâ€™type silver indium oxide thin films. Physica Status Solidi (B): Basic Research, 2016, 253, 2230-2235.	0.7	3

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109	Investigation of optical and microstructural properties of RF magnetron sputtered PTFE films for hydrophobic applications. Applied Surface Science, 2016, 385, 289-298.	3.1	25
110	pH deeds on structural, optical, electrical and gas sensing performance of TiO ₂ nanofilms by automated nebulizer spray pyrolysis technique. Optik, 2016, 127, 11102-11110.	1.4	13
111	Electrical and magneto transport properties of La _{0.8} Ca _x Sr _{0.1} Ag _{0.1} MnO ₃ (x = 0.1, 0.2, 0.3). Bulletin of Materials Science, 2016, 39, 1139-1145.	0.8	0
112	Improved electrochromic performance of a radio frequency magnetron sputtered NiO thin film with high optical switching speed. RSC Advances, 2016, 6, 79668-79680.	1.7	78
113	A catalyst-free new polyol method synthesized hot-pressed Cu-doped Bi ₂ S ₃ nanorods and their thermoelectric properties. Nano Research, 2016, 9, 3291-3304.	5.8	46
114	The magnetoresistance of YBCO/BZO composite superconductors. Physica C: Superconductivity and Its Applications, 2016, 531, 85-92.	0.6	10
115	Anomalous Hall effect in Cr doped FeSi. AIP Conference Proceedings, 2016, , .	0.3	0
116	Study of structural, electronic and magneto transport properties of La _{0.7} Ca _{0.2-x} Sr _x Ag _{0.1} MnO ₃ . Journal of Physics: Conference Series, 2016, 755, 012024.	0.3	1
117	Structural studies on the substitution of Ag, Na doped LCSMO CMR manganites. AIP Conference Proceedings, 2016, , .	0.3	0
118	Kinetics of photo-activated charge carriers in Sn:CdS. AIP Conference Proceedings, 2016, , .	0.3	0
119	Effect of spin fluctuations on the resistivity of LaCrGe ₃ . AIP Conference Proceedings, 2016, , .	0.3	1
120	Coexistence of Kondo effect and Ferromagnetism in Ce _{1.5} Nd _{1.5} Al. Journal of Physics: Conference Series, 2016, 755, 012038.	0.3	0
121	Magneto-heat capacity study on Kondo lattice system Ce(Ni _{1-x} Cu _x) ₂ Al ₃ . Bulletin of Materials Science, 2016, 39, 537-541.	0.8	8
122	Iron doped ZnO nanocrystals and their structural, optical and magnetic behavior. Optik, 2016, 127, 1499-1502.	1.4	5
123	Studies on the structure optical and electrical properties of Zn-doped NiO thin films grown by spray pyrolysis. Optik, 2016, 127, 4661-4668.	1.4	42
124	Correlation between electrical and magnetic properties of polycrystalline La _{0.5} Ca _{0.5} Mn _{0.98} Bi _{0.02} O ₃ . Journal of Magnetism and Magnetic Materials, 2016, 408, 116-120.	1.0	34
125	Magnetic field-tuned Fermi liquid formation in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$. Journal of Magnetism and Magnetic Materials, 2016, 418, 289-293.	1.0	8
126	Metal to insulator transition and an impurity band conduction in Fe _{1-x} Cr _x Si. Journal of Alloys and Compounds, 2016, 663, 311-315.	2.8	9

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127	Coupled magnetostructural transition in Ni-Mn-V-Ga Heusler alloys and its effect on the magnetocaloric and transport properties. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 065001.	1.3	10
128	Ion track diameter in fullerene C70 thin film using Raman active vibrational modes of C70 molecule. <i>Vacuum</i> , 2016, 123, 35-41.	1.6	27
129	Synthesis, Morphological and Optical Properties of Nano-Crystalline Solid Cu_xS Thin Films. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2016, 46, 570-582.	0.6	3
130	Surface plasmon resonance in nanostructured Ag incorporated ZnS films. <i>AIP Advances</i> , 2015, 5, .	0.6	37
131	Magnetotransport study of Kondo compound $\text{Ce}(\text{Ni}_{0.7}\text{Cu}_{0.3})_2\text{Al}_3$. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	0
132	Localization effects in $\text{Ce}_{1.8}\text{Nd}_{1.2}\text{Al}$. <i>AIP Conference Proceedings</i> , 2015, , .	0.3	0
133	Enhancement in thermoelectric power of $\text{Ce}(\text{Ni}_{1-x}\text{Cu}_x)_2\text{Al}_3$: An implication of two-band conduction. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 502-507.	0.7	5
134	Investigation of chiral phases near helical ordering temperature in MnSi. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 1810-1816.	0.7	9
135	Thermodynamic properties of multiferroic Mg doped YbMnO_3 . <i>Journal of Alloys and Compounds</i> , 2015, 644, 830-835.	2.8	10
136	Study of magnetic iron nitride thin films deposited by high power impulse magnetron sputtering. <i>Surface and Coatings Technology</i> , 2015, 275, 264-269.	2.2	30
137	Electronic transport and magnetoresistivity of $\text{La}_{0.4}\text{Bi}_{0.1}\text{Ca}_{0.5-x}\text{Sr}_x\text{MnO}_3$ ($x = 0.1$ and 0.2). <i>Bulletin of Materials Science</i> , 2015, 38, 1449-1455.	0.8	2
138	Swift heavy ion induced crystallographic tilt and site-disorder in epitaxial magneto-electric GaFeO_3 thin films. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 375001.	1.3	1
139	Magnetic and electrical studies on $\text{La}_{0.4}\text{Sm}_{0.1}\text{Ca}_{0.5}\text{MnO}_3$ charge ordered manganite. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 381, 470-477.	1.0	49
140	Microstructure and optical properties of Gd_2O_3 thin films prepared by pulsed laser deposition. <i>Surface and Coatings Technology</i> , 2015, 262, 56-63.	2.2	25
141	Room temperature magnetism and metal to semiconducting transition in dilute Fe doped $\text{Sb}_{1-x}\text{Se}_x$ semiconducting alloy thin films. <i>Materials Research Express</i> , 2015, 2, 025902.	0.8	4
142	Two dimensional magnetic correlation in the unconventional corrugated layered oxides $(\text{Ba,Sr})_4\text{Mn}_3\text{O}_{10}$. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 056001.	0.7	4
143	Transport studies on $\text{La}_{0.8-x}\text{Pr}_{0.2}\text{Sr}_x\text{MnO}_3$ manganite films. <i>Physica B: Condensed Matter</i> , 2015, 465, 71-80.	1.3	48
144	Nickel foam for trapping Manganese and Cobalt from Liquid Sodium. <i>Transactions of the Indian Institute of Metals</i> , 2015, 68, 169-179.	0.7	4

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145	Size effect on the colossal thermoelectric power in charge ordered small band width manganites based on Gd-Sr. <i>Materials Research Express</i> , 2015, 2, 055504.	0.8	7
146	Strong electron-phonon coupling and multiband effects in the superconducting $\text{Mo}_{1-x}\text{Re}_x$ alloys. <i>New Journal of Physics</i> , 2015, 17, 053003.	1.2	18
147	Surface plasmon resonances of Ag-Au alloy nanoparticle films grown by sequential pulsed laser deposition at different compositions and temperatures. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	24
148	Effect of tantalum doping on the structural and optical properties of RF magnetron sputtered indium oxide thin films. <i>Materials Science in Semiconductor Processing</i> , 2015, 37, 112-122.	1.9	13
149	Effect of annealing on the structural and optical properties of laser ablated nanostructured barium tungstate thin films. <i>Materials Science in Semiconductor Processing</i> , 2015, 37, 159-170.	1.9	11
150	TAFV and vortex glass state in a niobium oxy-nitride $\text{Nb}(\text{N}_{0.98}\text{O}_{0.02})$. <i>Superconductor Science and Technology</i> , 2015, 28, 055009.	1.8	9
151	Influence of post-deposition heat treatment on optical properties derived from UV-vis of cadmium telluride (CdTe) thin films deposited on amorphous substrate. <i>Applied Surface Science</i> , 2015, 344, 89-100.	3.1	76
152	Effect of thermal annealing on the phase evolution of silver tungstate in Ag/WO ₃ films. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2015, 145, 239-244.	2.0	8
153	Investigation of the mechanism of impurity assisted nanoripple formation on Si induced by low energy ion beam erosion. <i>Journal of Applied Physics</i> , 2015, 117, 024309.	1.1	11
154	Controlling phase separation in $\text{La}_{5/8-y}\text{Pr}_y\text{Ca}_{3/8}\text{MnO}_3$ ($y=0.45$) epitaxial thin films by strain disorder. <i>Applied Physics Letters</i> , 2015, 106, 072401.	1.5	5
155	Changes in in-plane electrical conductivity of PEDOT:PSS thin films due to electric field induced dipolar reorientation. <i>RSC Advances</i> , 2015, 5, 86393-86401.	1.7	19
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