Ganesan Vedachalaiyer

List of Publications by Year
in descending order

506 papers	8,958 citations	41344 49 h-index	91884 69 g-index
511 all docs	511 docs citations	511 times ranked	9210 citing authors

#	Article	IF	Citations
1	Preparation of MTMS based transparent superhydrophobic silica films by solâ€“gel method. Journal of Colloid and Interface Science, 2009, 332, 484-490.	9.4	217
2	Superhydrophobic silica films by solâ€“gel co-precursor method. Applied Surface Science, 2009, 256, 217-222.	6.1	190
3	Physical properties of ZnO thin films deposited at various substrate temperatures using spray pyrolysis. Physica B: Condensed Matter, 2010, 405, 2226-2231.	2.7	155
4	Anisotropic magnetic properties and giant magnetocaloric effect in antiferromagnetic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>R</mml:mi></mml:math>MnO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow		

#	Article	IF	Citations
19	Effect of Cd dopant on electrical and optical properties of ZnO thin films prepared by spray pyrolysis route. Thin Solid Films, 2012, 525, 49-55.	1.8	75
20	Magnetocaloric effect in HoMnO3 crystal. Applied Physics Letters, 2010, 96, .	3.3	73
21	B-site bismuth doping effect on structural, magnetic and magnetotransport properties of La0.5Ca0.5Mn1â^'xBixO3. Ceramics International, 2015, 41, 2637-2647.	4.8	73
22	Bandgap renormalization in titania modified nanostructured tungsten oxide thin films prepared by pulsed laser deposition technique for solar cell applications. Journal of Applied Physics, 2008, 104, 033515.	2.5	72
23	Effect of copper doping on the change in the optical absorption behaviour in NiO thin films. Renewable Energy, 2012, 46, 43-48.	8.9	69
24	Growth and characterization of indium oxide films. Current Applied Physics, 2008, 8, 120-127.	2.4	68
25	Nanostructured tungsten oxide thin films by the reactive pulsed laser deposition technique. Applied Physics A: Materials Science and Processing, 2008, 91, 637-649.	2.3	67
26	Synthesis and characterization of ZnO thin films for UV laser. Applied Surface Science, 2001, 174, 232-239.	6.1	66
27	Effect of substrate temperature on the physical properties of copper nitride films by r.f. reactive sputtering. Surface and Coatings Technology, 2001, 142-144, 1034-1039.	4.8	65
28	Quenching of photoconductivity in Fe doped CdS thin films prepared by spray pyrolysis technique. Applied Surface Science, 2008, 254, 7042-7048.	6.1	63
29	Effect of indium doping on zinc oxide films prepared by chemical spray pyrolysis technique. Bulletin of Materials Science, 2010, 33, 581-587.	1.7	62
30	XRD, SEM, AFM, HRTEM, EDAX and RBS studies of chemically deposited Sb2S3 and Sb2Se3 thin films. Applied Surface Science, 2002, 193, 1-10.	6.1	60
31	Effect of ITO buffer layers on the structural, optical and electrical properties of ZnO multilayer thin films prepared by pulsed laser deposition technique. Solar Energy Materials and Solar Cells, 2010, 94, 68-74.	6.2	60
32	Dielectric properties of DC reactive magnetron sputtered Al2O3 thin films. Thin Solid Films, 2012, 520, 2689-2694.	1.8	60
33	Effect of copper (Cu²⁺) inclusion on the bioactivity and antibacterial behavior of calcium silicate coatings on titanium metal. Journal of Materials Chemistry B, 2014, 2, 846-858.	5.8	60
34	A study of microstructural and optical properties of nanocrystalline ceria thin films prepared by pulsed laser deposition. Thin Solid Films, 2011, 519, 2520-2526.	1.8	59
35	Effect of Co substitution on the magnetic properties of BiFeO3. Journal of Magnetism and Magnetic Materials, 2012, 324, 4084-4089.	2.3	59
36	Role of strain and microstructure in chemical solution deposited La0.7Pb0.3MnO3 manganite films: Thickness dependent swift heavy ions irradiation studies. Radiation Physics and Chemistry, 2013, 85, 173-178.	2.8	59

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37	Effect of precursor concentration on the properties of ITO thin films. Journal of Alloys and Compounds, 2008, 464, 387-392.	5.5	57
38	Preparation of nanocrystalline Sb doped PbS thin films and their structural, optical, and electrical characterization. Superlattices and Microstructures, 2014, 75, 601-612.	3.1	56
39	Transport and Magnetotransport Studies on Solâ€“Gel Grown Nanostructured La_{0.7}Pb_{0.3}MnO₃ Manganites. Journal of Nanoscience and Nanotechnology, 2009, 9, 5681-5686.	0.9	54
40	Optically transparent superhydrophobic TEOS-derived silica films by surface silylation method. Journal of Sol-Gel Science and Technology, 2010, 53, 208-215.	2.4	53
41	Nanostructured CrN thin films prepared by reactive pulsed DC magnetron sputtering. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 167, 17-25.	3.5	53
42	Effect of cobalt doping on microstructural and optical properties of nickel oxide thin films. Materials Science in Semiconductor Processing, 2014, 23, 42-49.	4.0	53
43	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.	2.8	53
44	Effect of Mn doping on the structural and optical properties of ZrO2 thin films prepared by solâ€“gel method. Thin Solid Films, 2014, 550, 199-205.	1.8	52
45	Transparent water repellent silica films by solâ€“gel process. Applied Surface Science, 2010, 256, 3624-3629.	6.1	51
46	Room temperature positive magnetoresistance and field effect studies of manganite-based heterostructure. Applied Physics A: Materials Science and Processing, 2012, 108, 733-738.	2.3	51
47	Growth and characterization of nano-structured Sn doped ZnO. Journal of Molecular Structure, 2012, 1022, 8-15.	3.6	51
48	Electronic excitation induced mass transport on 200 MeV 107Ag+14 ion irradiated Si surface. Journal of Applied Physics, 2000, 87, 2742-2746.	2.5	50
49	Field-induced first-order to second-order magnetic phase transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Sm</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.52</mml:mn> Physical Review B, 2008, 78, .	3.2	50
50	Magnetotransport of La0.70Ca0.3â^'xSrxMnO3(Ag): A potential room temperature bolometer and magnetic sensor. Journal of Applied Physics, 2010, 107, .	2.5	50
51	Photoluminescence in laser ablated nanostructured indium oxide thin films. Journal of Alloys and Compounds, 2010, 489, 215-223.	5.5	50
52	Currentâ€“voltage characteristics of PLD grown manganite based ZnO/La0.5Pr0.2Sr0.3MnO3/SrNb0.002Ti0.998O3 thin film heterostructure. Solid State Communications, 2012, 152, 34-37.	1.9	50
53	A novel method for the deposition of nanocrystalline Bi2Se3, Sb2Se3 and Bi2Se3â€“Sb2Se3 thin films â€" SILAR. Applied Surface Science, 2001, 182, 413-417.	6.1	49
54	Physical properties of electron beam evaporated CdTe and CdTe:Cu thin films. Journal of Applied Physics, 2014, 116, .	2.5	49

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55	Magnetic and electrical studies on La0.4Sm0.1Ca0.5MnO3 charge ordered manganite. Journal of Magnetism and Magnetic Materials, 2015, 381, 470-477.	2.3	49
56	High-energy heavy-ion induced physical and surface-chemical modifications in polycrystalline cadmium sulfide thin films. Applied Physics A: Materials Science and Processing, 2009, 94, 703-714.	2.3	48
57	Transport studies on La0.8â^'xPr0.2SrxMnO3 manganite films. Physica B: Condensed Matter, 2015, 465, 71-80.	2.7	48
58	A catalyst-free new polyol method synthesized hot-pressed Cu-doped Bi2S3 nanorods and their thermoelectric properties. Nano Research, 2016, 9, 3291-3304.	10.4	46
59	Structural and optical properties of Î³-alumina thin films prepared by pulsed laser deposition. Thin Solid Films, 2010, 518, 3898-3902.	1.8	45
60	Anomalous variation of theclattice parameter of a sample ofYBa2Cu3O7â^'Î´through the superconducting transition. Physical Review B, 1988, 38, 889-892.	3.2	44
61	Electroluminescence from heterojunctions of nanocrystalline CdS and ZnS with porous silicon. Journal of Applied Physics, 2002, 92, 2118-2124.	2.5	44
62	Sliding behavior of water drops on solâ€“gel derived hydrophobic silica films. Applied Surface Science, 2010, 256, 3259-3264.	6.1	44
63	Effect of post annealing treatment on electrochromic properties of spray deposited niobium oxide thin films. Electrochimica Acta, 2007, 52, 4899-4906.	5.2	42
64	Simple and precise thermoelectric power measurement setup for different environments. Review of Scientific Instruments, 2008, 79, 103907.	1.3	42
65	Studies on the structure optical and electrical properties of Zn-doped NiO thin films grown by spray pyrolysis. Optik, 2016, 127, 4661-4668.	2.9	42
66	Carrier recombination in Cu doped CdS thin films: Photocurrent and optical studies. Applied Surface Science, 2012, 258, 5086-5093.	6.1	41
67	Investigation of surface properties of Ar-plasma treated polyethylene terephthalate (PET) films. Nuclear Instruments & Methods in Physics Research B, 2012, 289, 34-38.	1.4	41
68	Preparation and characterization of transparent NiO thin films deposited by spray pyrolysis technique. Optik, 2014, 125, 6751-6756.	2.9	41
69	Microstructural, optical and spectroscopic studies of laser ablated nanostructured tantalum oxide thin films. Applied Surface Science, 2009, 255, 7126-7135.	6.1	40
70	Anomalous thermal expansion of Sb₂Te₃ topological insulator. Applied Physics Letters, 2012, 100, 251912.	3.3	39
71	Charge transport mechanisms in solâ€“gel grown La_{0.7}Pb_{0.3}MnO₃/LaAlO₃ manganite films. Physical Chemistry Chemical Physics, 2017, 19, 5163-5176.	2.8	39
72	Structural, spectroscopic and electrical studies of nanostructured porous ZnO thin films prepared by pulsed laser deposition. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 724-732.	3.9	38

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73	Electrical switching and topological thresholds in Ge-Te and Si-Te glasses. Applied Physics A: Materials Science and Processing, 2005, 81, 939-942.	2.3	37
74	Surface plasmon resonance in nanostructured Ag incorporated ZnS films. AIP Advances, 2015, 5, .	1.3	37
75	Do the grain boundaries of Î²-In2S3 thin films have a role in sub-band-gap photosensitivity to 632.8nm?. Journal of Applied Physics, 2008, 103, .	2.5	36
76	Ultrahydrophobic silica films by solâ€“gel process. Journal of Porous Materials, 2010, 17, 565-571.	2.6	36
77	Control on wetting properties of spin-deposited silica films by surface silylation method. Applied Surface Science, 2010, 256, 2115-2121.	6.1	36
78	Influence of substrate temperature on surface structure and electrical resistivity of the evaporated tin sulphide films. Applied Surface Science, 2006, 253, 1673-1676.	6.1	35
79	Enhanced critical parameters of nanocarbon doped MgB2 superconductor. Journal of Applied Physics, 2009, 106, .	2.5	35
80	Effect of silver incorporation in phase formation and band gap tuning of tungsten oxide thin films. Journal of Applied Physics, 2012, 112, .	2.5	35
81	Dielectric, magnetic, and thermodynamic properties of Y1â^'xSrxMnO3 (xâ€‰=â€‰0.1 and 0.2). Journal of Applied Physics, 2012, 112, .	2.5	35
82	Corrosion of annealed AISI 316 stainless steel in sodium environment. Journal of Nuclear Materials, 1998, 256, 69-77.	2.7	34
83	Influence of argon ambience on the structural, morphological and optical properties of pulsed laser ablated zinc sulfide thin films. Journal of Luminescence, 2012, 132, 944-952.	3.1	34
84	Correlation between electrical and magnetic properties of polycrystalline La0.5Ca0.5Mn0.98Bi0.02O3. Journal of Magnetism and Magnetic Materials, 2016, 408, 116-120.	2.3	34
85	Temperature-dependent roughness of electronically excited InP surfaces. Journal of Applied Physics, 2001, 90, 5968-5972.	2.5	33
86	Colossal thermoelectric power in Gd-Sr manganites. Europhysics Letters, 2010, 91, 17008.	2.0	33
87	Study of microstructure and nanomechanical properties of Zr films prepared by pulsed magnetron sputtering. Applied Surface Science, 2011, 257, 9909-9914.	6.1	33
88	Synthesis and high temperature XRD studies of tantalum nitride thin films prepared by reactive pulsed dc magnetron sputtering. Journal of Alloys and Compounds, 2011, 509, 6400-6407.	5.5	33
89	Magnetic anisotropy in nanocrystalline Co-doped ZnO thin films. Chemical Physics Letters, 2010, 487, 97-100.	2.6	32
90	Study of site-disorder in epitaxial magneto-electric GaFeO3 thin films. Applied Physics Letters, 2013, 102, 212401.	3.3	32

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91	Colossal thermoelectric power in charge ordered lanthanum calcium manganites (La0.5Ca0.5MnO3). Journal of Applied Physics, 2014, 116, .	2.5	32
92	Photoconductivity in Cd1â^'xMnxS thin films prepared by spray pyrolysis technique. Solar Energy Materials and Solar Cells, 2008, 92, 1646-1651.	6.2	31
93	Study of magnetic iron nitride thin films deposited by high power impulse magnetron sputtering. Surface and Coatings Technology, 2015, 275, 264-269.	4.8	30
94	Photoluminescence andI-Vcharacteristics of a CdS-nanoparticles-porous-silicon heterojunction. Nanotechnology, 2001, 12, 290-294.	2.6	29
95	AFM study of swift gold ion irradiated silicon. Nuclear Instruments & Methods in Physics Research B, 2002, 187, 220-230.	1.4	29
96	Room temperature chemical synthesis of lead selenide thin films with preferred orientation. Applied Surface Science, 2006, 253, 930-936.	6.1	29
97	Influence of SHI irradiation on the structure and surface topography of CdTe thin films on flexible substrate. Journal of Materials Science: Materials in Electronics, 2007, 18, 1093-1098.	2.2	29
98	Physical property characterization of bulk MgB2 superconductor. European Physical Journal B, 2008, 62, 281-294.	1.5	29
99	Influence of oxygen partial pressure on the properties of pulsed laser deposited nanocrystalline zirconia thin films. Applied Surface Science, 2011, 257, 8506-8510.	6.1	29
100	Tuning of TCO properties of ZnO by silver addition. Superlattices and Microstructures, 2014, 67, 97-109.	3.1	29
101	Effect of Cu-doping on the morphology of ZnTe films electrodeposited from nonaqueous bath. Thin Solid Films, 1998, 324, 78-84.	1.8	28
102	Effect of disorder on the exponent in the coherence region in high temperature superconductors. Physica C: Superconductivity and Its Applications, 2006, 443, 61-68.	1.2	28
103	Critical behavior, universal magnetocaloric, and magnetoresistance scaling of MnSi. Physical Review B, 2017, 95, .	3.2	28
104	Evidence of plastic flow and recrystallization phenomena in swift (âˆ¼100 MeV) Si7+ ion irradiated silicon. Nuclear Instruments & Methods in Physics Research B, 2004, 222, 491-496.	1.4	27
105	Synthesis, characterization and hydrogenation of ZrFe2-xNixZrFe2-xNix (x=0.2,0.4,0.6,0.8)(x=0.2,0.4,0.6,0.8) alloys. International Journal of Hydrogen Energy, 2007, 32, 3965-3971.	7.1	27
106	Magneto-transport studies of FeSe_{0.9 â^'x}M_x(M = Si, Sb). Superconductor Science and Technology, 2011, 24, 045011.	3.5	27
107	In-situ study of magnetic thin films on nanorippled Si (100) substrates. Applied Surface Science, 2012, 258, 4116-4121.	6.1	27
108	Ion track diameter in fullerene C70 thin film using Raman active vibrational modes of C70 molecule. Vacuum, 2016, 123, 35-41.	3.5	27

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109	Electrochemical deposition and characterization of CoFe2O4thin films. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, 85-94.	1.8	26
110	Quantum magnetoresistance of the PrFeAsO oxypnictide. Applied Physics Letters, 2011, 98, .	3.3	26
111	Influence of process parameters on surface plasmon resonance characteristics of densely packed gold nanoparticle films grown by pulsed laser deposition. Applied Surface Science, 2012, 258, 4898-4905.	6.1	26
112	Characterization and hydrogenation of CeNi5â^'xCrx (x=0, 1, 2) alloys. Journal of Alloys and Compounds, 2007, 430, 165-169.	5.5	25
113	Optimization of the distance between source and substrate for device-grade SnS films grown by the thermal evaporation technique. Journal of Physics Condensed Matter, 2007, 19, 306003.	1.8	25
114	Swift heavy ion induced modification in dielectric and microhardness propertiesÂof polymer composites. Polymer Degradation and Stability, 2008, 93, 1088-1093.	5.8	25
115	Thermal expansion of nanocrystalline boron carbide. Ceramics International, 2012, 38, 3723-3728.	4.8	25
116	Microstructure and optical properties of Gd2O3 thin films prepared by pulsed laser deposition. Surface and Coatings Technology, 2015, 262, 56-63.	4.8	25
117	Specific heat and magnetocaloric effect studies in multiferroic YMnO3. Journal of Thermal Analysis and Calorimetry, 2015, 119, 1191-1198.	3.6	25
118	Investigation of optical and microstructural properties of RF magnetron sputtered PTFE films for hydrophobic applications. Applied Surface Science, 2016, 385, 289-298.	6.1	25
119	Effect of annealing on the structural, optical and electrical properties of ZnO thin films by spray pyrolysis. Indian Journal of Physics, 2011, 85, 1381-1391.	1.8	24
120	Low temperature thermoelectric properties of Cu intercalated TiSe2: a charge density wave material. Applied Physics A: Materials Science and Processing, 2013, 111, 465-470.	2.3	24
121	Surface plasmon resonances of Ag-Au alloy nanoparticle films grown by sequential pulsed laser deposition at different compositions and temperatures. Journal of Applied Physics, 2015, 117, .	2.5	24
122	Application of polymer electrolyte based hydrogen sensor to study corrosion of carbon steel in acid medium. Corrosion Science, 2001, 43, 1865-1875.	6.6	23
123	Novel electrochemical process for the deposition of nanocrystalline NiFe2O4thin films. Journal of Physics Condensed Matter, 2004, 16, 773-784.	1.8	23
124	Determination of the thermodynamic stability of TiB2. Journal of Alloys and Compounds, 2010, 491, 747-752.	5.5	23
125	Influence of europium oxide doping on the structural and optical properties of pulsed laser ablated barium tungstate thin films. Journal of Alloys and Compounds, 2011, 509, 2745-2752.	5.5	23
126	Wetting behavior of high energy electron irradiated porous superhydrophobic silica films. Applied Surface Science, 2011, 257, 3027-3032.	6.1	23

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127	Carrier induced magnetism in dilute Fe doped Ge1â^'xSbx thin films. Materials Chemistry and Physics, 2013, 143, 330-335.	4.0	23
128	Spin-glassâ€“like ground state and observation of exchange bias in Mn _{0.8} Fe _{0.2} NiGe alloy. Europhysics Letters, 2014, 108, 17012.	2.0	23
129	Fabrication and characterization of TiO2/SiO2 based Bragg reflectors for light trapping applications. Results in Physics, 2017, 7, 2271-2276.	4.1	23
130	Lowâ€temperature electrical resistivity of cupric telluride (CuTe) thin films. Physica Status Solidi (B): Basic Research, 2008, 245, 77-81.	1.5	22
131	Resistive broadening in sulfur doped FeTe. Superconductor Science and Technology, 2010, 23, 075015.	3.5	22
132	Investigation of weak itinerant ferromagnetism and critical behavior of Y<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>Ni<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>7</mml:mn></mml:msub></mml:math>. Physical Review B, 2011, 84, .	3.2	22
133	Dynamic scaling in growth of platinum films on Si(100). Solid State Communications, 2000, 114, 377-381.	1.9	21
134	Investigations of the electrical properties in CuInSe2and the related ordered vacancy compounds. Semiconductor Science and Technology, 2004, 19, 798-806.	2.0	21
135	Electron beam evaporated molybdenum oxide films: a study of elemental and surface morphological properties. Smart Materials and Structures, 2005, 14, 1204-1209.	3.5	21
136	Growth dynamics of pulsed laser deposited indium oxide thin films: a substrate dependent study. Applied Surface Science, 2010, 256, 7091-7095.	6.1	21
137	Structural, optical, electrical and low temperature thermoelectric properties of degenerate polycrystalline Cu₇<scp>S</scp>e₄ thin films. Physica Status Solidi (B): Basic Research, 2014, 251, 689-696.	1.5	21
138	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.	2.7	21
139	Analysis of CREVONA sodium loop material. Journal of Nuclear Materials, 2003, 312, 174-180.	2.7	20
140	Effect of Zinc Oxide Doping on the Structural and Optical Characterization of Nanostructured Molybdenum Oxide Films. Journal of Nanoscience and Nanotechnology, 2009, 9, 5254-5261.	0.9	20
141	Sub-micrometer thick CuInSe2 films for solar cells using sequential elemental evaporation. Solar Energy, 2009, 83, 964-968.	6.1	20
142	Tuning of magnetic transition temperatures in nanoparticles of CoCr2O4 multiferroic by B-site mixing. Materials Research Bulletin, 2014, 54, 78-83.	5.2	20
143	Studies on the brush plated SnS thin films. Journal of Materials Science Letters, 2001, 20, 381-383.	0.5	19
144	Hydrogenation behaviour of Ce-based AB5 intermetallic compounds. Journal of Alloys and Compounds, 2007, 440, 84-88.	5.5	19

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145	Experimental investigations of flow through conical diffusers with and without wake type velocity distortions at inlet. Experimental Thermal and Fluid Science, 2007, 32, 133-157.	2.7	19
146	The magnetoresistance of a PrFeAsO_{1â^'x}F_ysuperconductor. Superconductor Science and Technology, 2009, 22, 095015.	3.5	19
147	Effect of thermal annealing on the structural and optical properties of nanostructured zinc oxide thin films prepared by pulsed laser ablation. Solar Energy Materials and Solar Cells, 2009, 93, 74-78.	6.2	19
148	Synthesis of nanocrystalline boron carbide from boric acidâ€“sucrose gel precursor. Journal of Materials Science, 2012, 47, 1710-1718.	3.7	19
149	Precursor state of skyrmions in MnSi: a heat capacity study. Physica Status Solidi - Rapid Research Letters, 2013, 7, 184-186.	2.4	19
150	Changes in in-plane electrical conductivity of PEDOT:PSS thin films due to electric field induced dipolar reorientation. RSC Advances, 2015, 5, 86393-86401.	3.6	19
151	Reflectance modulation using SiO2/TiO2 multilayer structures prepared by sol-gel spin coating process for optical applications. Superlattices and Microstructures, 2017, 111, 1099-1103.	3.1	19
152	Nitrogen evolution from copper nitride films by MeV ion impact. Radiation Effects and Defects in Solids, 2001, 154, 151-163.	1.2	18
153	Structural, optical and electrical properties of chemically deposited copper selenide films. Bulletin of Materials Science, 2009, 32, 37-42.	1.7	18
154	Observation of large-Dmagnetic phase inSr3NiPtO6. Physical Review B, 2010, 82, .	3.2	18
155	Significance of Al on the morphological and optical properties of Ti1â^'xAlxN thin films. Materials Chemistry and Physics, 2011, 130, 1033-1037.	4.0	18
156	Strong electronâ€“phonon coupling and multiband effects in the superconductingÎ²-phase Mo_{1â^'x}Re_xalloys. New Journal of Physics, 2015, 17, 053003.	2.9	18
157	Constitutive modelling of transient and steady state creep behaviour of type 316LN austenitic stainless steel. Mechanics of Materials, 2019, 137, 103122.	3.2	18
158	Enhanced thermoelectric property of nanostructured CaMnO3 by sol-gel hydrothermal method. Physica B: Condensed Matter, 2019, 575, 411707.	2.7	18
159	Microstructural study of iron nitride thin films deposited by ion beam sputtering. Vacuum, 2001, 60, 395-399.	3.5	17
160	Structure dependent electronic sputtering of a-C:H films by swift heavy ions. Nuclear Instruments & Methods in Physics Research B, 2002, 190, 164-168.	1.4	17
161	Ellipsometric studies on cupric telluride thin films. Vacuum, 2007, 82, 72-77.	3.5	17
162	Synthesis of SnO2 nanostructures by ultrasonic-assisted solâ€“gel method. Journal of Sol-Gel Science and Technology, 2014, 69, 617-624.	2.4	17

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163	Seebeck coefficient study on Mn-dopedYBa2Cu3O7â^'Î´. Physical Review B, 1999, 59, 7178-7183.	3.2	16
164	Molecular packing in cadmium and zinc arachidate LB multilayers. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2002, 198-200, 75-81.	4.7	16
165	Structural morphology of amorphous conducting carbon film. Bulletin of Materials Science, 2005, 28, 609-615.	1.7	16
166	Surface studies on 100MeV Ag7+ ions and 150MeV Ni11+ ions irradiated nanocrystalline ferrite thin films. Nuclear Instruments & Methods in Physics Research B, 2006, 244, 34-39.	1.4	16
167	Magnetism, upper critical field and thermoelectric power of the magnetosuperconductor RuSr2Eu1.5Ce0.5Cu2O10â^'Î´. Journal of Physics Condensed Matter, 2006, 18, 2563-2571.	1.8	16
168	Surface modification study of low energy electron beam irradiated polycarbonate film. Applied Surface Science, 2007, 253, 5985-5991.	6.1	16
169	Synthesis, Structural, Electrical and Magnetic Studies of Ni- Ferrite Nanoparticles. Physics Procedia, 2013, 49, 58-66.	1.2	16
170	Spin reorientation and disordered rare earth magnetism in Ho₂FeCoO₆. Journal of Physics Condensed Matter, 2017, 29, 475804.	1.8	16
171	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. Physica B: Condensed Matter, 2018, 533, 22-27.	2.7	16
172	Weak antilocalization in Sb2Te3 nano-crystalline topological insulator. Applied Surface Science, 2019, 496, 143654.	6.1	16
173	Enhanced thermoelectric performance of nanostructured manganese telluride via antimony doping. Journal of Alloys and Compounds, 2020, 836, 155374.	5.5	16
174	SEM and AFM studies of dipâ€coated CuO nanofilms. Microscopy Research and Technique, 2013, 76, 58-65.	2.2	15
175	Specific heat and magnetocaloric studies of hexagonal Yb1â^'xErxMnO3. Materials Letters, 2015, 161, 419-422.	2.6	15
176	Impurity band conduction in FeSi1â^'xAlx. Journal of Physics Condensed Matter, 2008, 20, 325238.	1.8	14
177	Frozen magnetostructural order in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Gd</mml:mtext></mml:mrow><mml:mn>5</mml:mn></mml:msu A calorimetric study. Physical Review B, 2009, 79, .	3.2	14
178	Surface free energy analysis for bipolar pulsed argon plasma treated polymer films. Journal of Physics: Conference Series, 2010, 208, 012107.	0.4	14
179	Pulsed laser ablation of zinc selenide in nitrogen ambience: Formation of zinc nitride films. Applied Surface Science, 2011, 257, 9269-9276.	6.1	14
180	Optoelectronic and thermoelectric properties in Ga doped Î²- PbS2 nanostructured thin films. Applied Surface Science, 2012, 258, 6257-6260.	6.1	14

#	Article	IF	Citations
181	Compositional effect of antimony on structural, optical, and photoluminescence properties of chemically deposited (Cd1â^'xSbx)S thin films. Superlattices and Microstructures, 2013, 59, 29-37.	3.1	14
182	Dynamics of roughening and growth kinetics of CdSâ€“polyaniline thin films synthesized by the Langmuirâ€“Blodgett technique. RSC Advances, 2014, 4, 32490-32503.	3.6	14
183	Lattice parameter and thermal expansion of CsCl and CsBr by x-ray powder diffraction. I. Thermal expansion of CsCl from room temperature to 90Â° K. Pramana - Journal of Physics, 1986, 27, 469-474.	1.8	13
184	Nanoscale defect formation on InP surface by swift gold ion impact. Nuclear Instruments & Methods in Physics Research B, 2001, 179, 37-41.	1.4	13
185	Physically and chemically modified polycarbonate by metal ion implantation. Advances in Polymer Technology, 2008, 27, 143-151.	1.7	13
186	Effect of swift heavy ion irradiation on the hardness of chromium nanorods. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2008, 26, 887-892.	2.1	13
187	Modified scaling of thermopower to heat capacity observed with low-temperature measurements inFeSi1â^'xAlx. Physical Review B, 2008, 78, .	3.2	13
188	Field-dependent competing magnetic ordering in multiferroic Ni 3 V 2 O 8. Europhysics Letters, 2009, 86, 57001.	2.0	13
189	Irradiation induced effects on Ni3N/Si bilayer system. Vacuum, 2009, 83, 1448-1453.	3.5	13
190	Synthesis and signature of M-E coupling in novel self-assembled CaCu3Ti4O12-NiFe2O4 nanocomposite structure. Journal of Applied Physics, 2012, 111, 074302.	2.5	13
191	Revival of martensitic instability in Ga doped Niâ€“Mnâ€“In alloys. Intermetallics, 2013, 42, 56-61.	3.9	13
192	Effect of tantalum doping on the structural and optical properties of RF magnetron sputtered indium oxide thin films. Materials Science in Semiconductor Processing, 2015, 37, 112-122.	4.0	13
193	pH deeds on structural, optical, electrical and gas sensing performance of TiO2 nanofilms by automated nebulizer spray pyrolysis technique. Optik, 2016, 127, 11102-11110.	2.9	13
194	Low temperature transport anomaly in Cr substituted (La0.67Sr0.33)MnO3 manganites. Journal of Magnetism and Magnetic Materials, 2017, 432, 581-590.	2.3	13
195	Growth, mechanism and properties of TiO2 nanorods embedded nanopillar: Evidence of lattice orientation effect. Superlattices and Microstructures, 2017, 109, 145-153.	3.1	13
196	AFM studies of swift heavy ion-irradiated surface modification in Si and GaAs. Radiation Measurements, 2003, 36, 671-674.	1.4	12
197	Studies on modified anode polymer hydrogen sensor. Ionics, 2004, 10, 50-55.	2.4	12
198	Grain Size Effect on Lattice of Ni Nanocrystals Prepared Through Polyol Method. Journal of Nanoscience and Nanotechnology, 2008, 8, 4127-4131.	0.9	12

#	Article	IF	Citations
199	Enhancement of the ferromagnetic metallic phase fraction by extrinsic disorder in phase separated La_{5/8â^'y}Pr_yCa_{3/8}MnO₃(y= 0.45) thin film. Journal of Physics Condensed Matter, 2013, 25, 175003.	1.8	12
200	Density and microstructure of a-C thin films. Diamond and Related Materials, 2018, 84, 71-76.	3.9	12
201	A fully automated precise electrical resistance measurement system. Review of Scientific Instruments, 1996, 67, 2867-2870.	1.3	11
202	Deep levels in GaN grown by nitridation of GaAs (110) surface in a electron cyclotronâ€“resonance ammonia plasma. Vacuum, 1999, 55, 121-126.	3.5	11
203	Resistivity and thermoelectric power of NaxCoO2 (x=1.0, 0.7, and 0.6) system. Journal of Applied Physics, 2005, 97, 10A904.	2.5	11
204	Transport and magnetic properties of conducting polyaniline doped withBX3(X=F, Cl, and Br). Physical Review B, 2006, 73, .	3.2	11
205	Experimental study of magneto-superconductor RuSr2Eu1.5Ce0.5Cu2O10â^'Î´: peculiar effect of Co doping on complex magnetism andTcvariation. Journal of Physics Condensed Matter, 2007, 19, 026203.	1.8	11
206	Preparation and characterization of sprayed In₂O₃:Mo films. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1947-1951.	1.8	11
207	Ion irradiation-induced modifications in the surface morphology of Ge20Se74Bi6 thin films. Journal of Alloys and Compounds, 2008, 462, 452-455.	5.5	11
208	Manipulation of magnetic nanostructures through low temperature metalâ€“oxygen chemistry: Co/CoO exchange biased nanodonuts and Co nanotips. Solid State Communications, 2009, 149, 277-280.	1.9	11
209	Enhanced photoemission from nanoscale agglomerations in Li co-activated Y2O3:Eu3+ thin films. Journal of Alloys and Compounds, 2009, 484, 377-385.	5.5	11
210	Superconductivity in quaternary niobium oxynitrides containing main group elements (M=Mg, Al, Si). Journal of Solid State Chemistry, 2012, 188, 66-71.	2.9	11
211	Effect of annealing on the structural and optical properties of laser ablated nanostructured barium tungstate thin films. Materials Science in Semiconductor Processing, 2015, 37, 159-170.	4.0	11
212	Investigation of the mechanism of impurity assisted nanoripple formation on Si induced by low energy ion beam erosion. Journal of Applied Physics, 2015, 117, 024309.	2.5	11
213	Role of ceramic reinforcement in composite polymer electrolyte. Polymer Composites, 2015, 36, 42-46.	4.6	11
214	Effect of bismuth doping on the physical properties of Laâ€“Liâ€“Mnâ€“O manganite. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	11
215	Magnetic properties of the one dimensional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mfrac><mml:mn>3</mml:mn> Heisenberg antiferromagnetic spin-chain compound <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Na</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Mn</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant	3.2	11
216	AFM studies of swift heavy ion and electron irradiated mixed barium strontium borate nonlinear optical crystal. Radiation Measurements, 2003, 36, 695-698.	1.4	10

#	Article	IF	Citations
217	Effect of annealing on magnetic properties and silicide formation at Co/Si interface. Bulletin of Materials Science, 2006, 29, 647-651.	1.7	10
218	Studies on spray deposited NiOâ€“SDC composite films for solid oxide fuel cells. Journal of Alloys and Compounds, 2008, 460, 680-687.	5.5	10
219	Thermodynamic properties of multiferroic Mg doped YbMnO3. Journal of Alloys and Compounds, 2015, 644, 830-835.	5.5	10
220	The magnetoresistance of YBCO/BZO composite superconductors. Physica C: Superconductivity and Its Applications, 2016, 531, 85-92.	1.2	10
221	Coupled magnetostructural transition in Ni-Mn-V-Ga Heusler alloys and its effect on the magnetocaloric and transport properties. Journal Physics D: Applied Physics, 2016, 49, 065001.	2.8	10
222	Study of two-phase magnetization reversal in patterned cobalt thin film. Journal Physics D: Applied Physics, 2017, 50, 425001.	2.8	10
223	Tin-incorporated nanostructured copper indium oxide delafossite thin films: Structural, electrical and optical analysis. Journal of Alloys and Compounds, 2018, 746, 435-444.	5.5	10
224	Magnetic, thermal and magnetocaloric studies of polycrystalline HoMnO3 compound. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	10
225	A novel nano-architecture for ZnO thin films on Si, GaAs and InP single crystal wafers by L-MBE as value in nano-robotic (machining) device fabrication efforts. Materials Science in Semiconductor Processing, 2005, 8, 555-563.	4.0	9
226	Revival of superconductivity by Y3+âˆ•Ca2+ substitution in YBa2Cu2.7Co0.3O7 without reported phase transformation. Journal of Applied Physics, 2005, 97, 10B104.	2.5	9
227	Synthesis of nanocrystalline diamonds by microwave plasma. Journal Physics D: Applied Physics, 2007, 40, 1794-1800.	2.8	9
228	Tailoring optical and electrical properties of MgO thin films by 1.5MeV H+ implantation to fluences. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 2564-2571.	1.4	9
229	Effect of doping and substrate temperature on the structural and optical properties of reactive pulsed laser ablated tin oxide doped tantalum oxide thin films. Vacuum, 2010, 84, 1204-1211.	3.5	9
230	Fe-spin reorientation in PrFeAsO: Evidences from resistivity and specific heat studies. Journal of Applied Physics, 2011, 110, .	2.5	9
231	Photoconductivity of Cobalt Doped CdS Thin Films. Physics Procedia, 2013, 49, 190-198.	1.2	9
232	Local structure around the flux pinning centers in superconducting niobium silicon oxynitride (Nb0.87Si0.09â–¡0.04)(N0.87O0.13). Journal of Solid State Chemistry, 2014, 210, 238-241.	2.9	9
233	Investigation of chiral phases near helical ordering temperature in MnSi. Physica Status Solidi (B): Basic Research, 2015, 252, 1810-1816.	1.5	9
234	TAFF and vortex glass state in a niobium oxy-nitride Nb(N_{0.98}O_{0.02}). Superconductor Science and Technology, 2015, 28, 055009.	3.5	9

#	Article	IF	Citations
235	Metal to insulator transition and an impurity band conduction in Fe1â^'xCrxSi. Journal of Alloys and Compounds, 2016, 663, 311-315.	5.5	9
236	Evolution of surface topography and optical band gap of ZnO film deposited on NiO/Si(100). Surface and Interface Analysis, 2018, 50, 240-245.	1.8	9
237	Surface characterization and gas sensing performance of yttrium doped TiO2 nanofilms prepared by automated nebulizer spray pyrolysis (ANSP). Journal of Materials Science: Materials in Electronics, 2018, 29, 392-401.	2.2	9
238	Robust superconductivity against the antiferromagnetic ordering in Pr2Pt3Ge5. Physica B: Condensed Matter, 2019, 570, 296-300.	2.7	9
239	Oxygen Vacancyâ€Induced Topological Hall Effect in a Nonmagnetic Band Insulator. Advanced Quantum Technologies, 2020, 3, 2000021.	3.9	9
240	Lattice parameter and thermal expansion of CsCl and CsBr by x-ray powder diffraction. II. Thermal expansion of CsBr from room temperature to 78.2 Â°K. Pramana - Journal of Physics, 1986, 27, 475-478.	1.8	8
241	Radiation induced modifications on microstructure and related properties of high temperature superconductor YBCO. Nuclear Instruments & Methods in Physics Research B, 1999, 156, 21-29.	1.4	8
242	Single shot twin x-ray microscopic imaging using simultaneously produced laser-plasma x-ray sources. Review of Scientific Instruments, 2001, 72, 1421.	1.3	8
243	Ion beam modification and analysis of organometallics dispersed polymer films. Nuclear Instruments & Methods in Physics Research B, 2006, 244, 235-238.	1.4	8
244	Ion beam modification of nickel dimethylglyoxime dispersed polymer films. Surface and Coatings Technology, 2007, 201, 8225-8229.	4.8	8
245	Structural and optical properties of AlN/Si system. Materials Science in Semiconductor Processing, 2008, 11, 126-130.	4.0	8
246	Anomalous thermoelectric power of the Mg_{1â^'x}Al_xB₂system withx= 0.0â€“1.0. Journal of Physics Condensed Matter, 2008, 20, 095205.	1.8	8
247	Transparent and low resistive nanostructured laser ablated tungsten oxide thin films by nitrogen doping: I. Nitrogen pressure. Journal Physics D: Applied Physics, 2009, 42, 095412.	2.8	8
248	Synthesis of nano-crystalline Zr-M (M=Ni, Co, Fe, Cu) bilayer films and their thermodynamics of hydrogen uptake by resistance measurement. International Journal of Hydrogen Energy, 2010, 35, 9893-9900.	7.1	8
249	Enhancement of Temperature and Field Coefficient of Resistance in CSD Grown Nanostructure La_{0.7}Ca_{0.3}MnO₃Thin Films. Journal of Nano Research, 2013, 24, 155-162.	0.8	8
250	Investigations on pseudogap semimetal CoSi. Materials Research Express, 2014, 1, 026503.	1.6	8
251	Fluctuation effects in the niobium oxynitride (Nb0.87Si0.09â–¡0.04)(N0.87O0.13) superconductor. Superconductor Science and Technology, 2014, 27, 085002.	3.5	8
252	Effect of thermal annealing on the phase evolution of silver tungstate in Ag/WO 3 films. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 145, 239-244.	3.9	8

#	Article	IF	Citations
253	Magneto-heat capacity study on Kondo lattice system Ce(Ni 1â˜'x Cu x)2Al3. Bulletin of Materials Science, 2016, 39, 537-541.	1.7	8
254	Magnetic field-tuned Fermi liquid formation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0012.gif" overflow="scroll"><mml:mrow><mml:msub subscriptshift="65%"><mml:mrow><mml:mi>Mn</mml:mi></mml:mrow><mml:mrow><mml:mn>0.75</mml:mn></mml:mrow></mml:msub><mml:msub subscriptshift="65%"><mml:mrow><mml:mi>Fe</mml:mi></mml:mrow><mml:mrow><mml:mn>0.25</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Journal of Magnetism and Magnetic Materials, 2016, 418, 289-293.	2.3	8
255	Visible and near-infrared wavelength-selective dielectric reflectors for light management applications. Superlattices and Microstructures, 2018, 122, 228-234.	3.1	8
256	Low temperature anomalies and room temperature magnetism in In0.95Fe0.05Sb dilute magnetic semiconducting film. Journal of Applied Physics, 2019, 126, 215702.	2.5	8
257	Magnetotransport and Berry phase in magnetically doped Bi0.97â˜'xSb0.03 single crystals. Physical Review B, 2020, 102, .	3.2	8
258	Magnetocaloric Properties of Gd1â˜'xHoxMnO3 Multiferroic Compounds. Journal of Low Temperature Physics, 2020, 200, 40-50.	1.4	8
259	Disorder-induced critical exponents near a ferromagnetic quantum critical point in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">M</mml:mi><mml:msub><mml:mi mathvariant="normal">n</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â˜'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">r</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:msub><mml:mi>Si</mml:mi></mml:msub></mml:mrow></mml:math>.	3.2	8
260	Conversion Electron MÃ¶ssbauer Study of Mixing Induced by Swift Heavy Ions at the Fe/Si Interface. Hyperfine Interactions, 2001, 133, 53-57.	0.5	7
261	Superconductivity with transition temperature up to 80 K for TbSr2Cu2.7Mo0.3O7+Î´. Solid State Communications, 2004, 129, 117-121.	1.9	7
262	Formation and Shape Transition of Nanostructures on Si(100) surfaces after MeV Sb Implantation. Applied Surface Science, 2006, 253, 1116-1121.	6.1	7
263	Formation of nanoscale metallic structures on cupric nitride thin film surface by the impact of 200MeV Au15+ ions. Nuclear Instruments & Methods in Physics Research B, 2006, 248, 71-76.	1.4	7
264	Optoelectronic and low temperature thermoelectric effects in the OVC nâ€CuIn₃Se₅ thin films. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 2195-2200.	1.8	7
265	Competing localization and quantum interference effects in Fe_{0.9}Co_{0.1}Si. Physica Status Solidi (B): Basic Research, 2012, 249, 2258-2262.	1.5	7
266	Processing of enriched elemental boron (10BÂâ¼Â65Âat. %). Materials Chemistry and Physics, 2013, 140, 335-342.	4.0	7
267	Magnetic field driven quantum critical phase transition in Ce$_{3}$Al. Materials Research Express, 2014, 1, 046114.	1.6	7
268	Effect of Ni_{0.5}Zn_{0.5}Fe₂O₄ (NZFO) layer thickness on the magneto-electric properties of BaTiO₃ (BTO)-NZFO composite bilayer thin films. Materials Research Express, 2014, 1, 026101.	1.6	7
269	Size effect on the colossal thermoelectric power in charge ordered small band width manganites based on Gd-Sr. Materials Research Express, 2015, 2, 055504.	1.6	7
270	Structural, magnetic, thermodynamic, and transport properties of A-site disordered Nd0.3Sm0.2Sr0.5MnO3. Journal of Thermal Analysis and Calorimetry, 2015, 122, 145-150.	3.6	7

#	Article	IF	Citations
271	Quantum size effect on the heat capacity of nickel nanolattice. Applied Physics Letters, 2017, 111, .	3.3	7
272	UV-shielding efficiency of TiO₂-polystyrene thin films prepared by solution cast method. Journal of Physics: Conference Series, 2017, 836, 012048.	0.4	7
273	Role of carrier concentration in swift heavy ion irradiation induced surface modifications. Surface Science, 2017, 664, 137-146.	1.9	7
274	Annealing dependent evolution of columnar nanostructures in RF magnetron sputtered PTFE films for hydrophobic applications. Materials Research Express, 2018, 5, 015312.	1.6	7
275	Ferromagnetic ordering in nickel doped BiFeO3 nanostructured thin films. Journal of Materials Science: Materials in Electronics, 2019, 30, 18306-18314.	2.2	7
276	Study of tilted orthorhombic twins and leakage current in epitaxial SmFeO3 thin films. Journal of Applied Physics, 2019, 125, .	2.5	7
277	Correlation Between Magnetic Ordering and Crossover from Weak Anti-Localization (WAL) to Weak Localization (WL) in Cobalt- and Manganese-Doped Bi0.94Sb0.06 Topological Insulator Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1659-1666.	1.8	7
278	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.	2.2	7
279	Critical exponent of the electrical conductivity in the paracoherence region of a thin film of YBa2Cu3O7â^'x. Bulletin of Materials Science, 1994, 17, 585-594.	1.7	6
280	Thermochemistry of ternary liquid Cu-Mg-Si alloys. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 1998, 29, 807-813.	2.1	6
281	Magnetoelastic study of amorphous Fe90+xZr10â^'x alloys. Journal of Magnetism and Magnetic Materials, 2002, 250, 110-122.	2.3	6
282	Surface morphology and the phase formation at Cr/Si system. Applied Surface Science, 2007, 253, 4721-4726.	6.1	6
283	Thermally stimulated depolarization current studies of relaxation in L-asparagine monohydrate. IEEE Transactions on Dielectrics and Electrical Insulation, 2010, 17, 1128-1134.	2.9	6
284	THERMAL AND MAGNETIC RESPONSE OF DIVALENT Sr DOPED HEXAGONAL YMnO3. Modern Physics Letters B, 2012, 26, 1250201.	1.9	6
285	Structural, optical, electrical, and low temperature thermoelectric studies on the ordered vacancy compound AgGa₃Se₅. Physica Status Solidi (B): Basic Research, 2012, 249, 1271-1276.	1.5	6
286	Optical and surface morphology study of zinc phthalocyanine Langmuir Blodgett thin film. AIP Conference Proceedings, 2014, , .	0.4	6
287	Novel report on single phase BiFeO3 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.	2.2	6
288	Spin fluctuations in Cr doped MnSi. Journal of Magnetism and Magnetic Materials, 2018, 448, 130-134.	2.3	6

#	Article	IF	Citations
289	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>A</mml:mi></mml:math> -phase, field-induced tricritical point, and universal magnetocaloric scaling in EuPtSi. Physical Review B, 2019, 100, .	3.2	6
290	Al doping for bipolarity induction in transparent conducting CuInO2 and its application in diode fabrication. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 255, 114520.	3.5	6
291	Transport and thermal properties of polycrystalline ZrTe5. Journal of Applied Physics, 2020, 127, .	2.5	6
292	Partial thermodynamic properties of magnesium in ternary Cu-Mg-Si alloys. Journal of Non-Crystalline Solids, 1996, 205-207, 711-715.	3.1	5
293	A fully automated precise measurement system for sound velocity and internal friction in solids down to liquid helium temperatures using the vibrating reed technique. Review of Scientific Instruments, 1997, 68, 3436-3441.	1.3	5
294	Structural and transport properties of high energy ion irradiated YBCO. Vacuum, 1997, 48, 983-988.	3.5	5
295	Growth and characterization of oriented cadmium sulphide nanocrystals under Langmuir-Blodgett monolayer of arachidic acid. Applied Physics A: Materials Science and Processing, 1999, 69, 385-388.	2.3	5
296	Growth mechanism of MgB2 films in electrocrystallization process. Physica C: Superconductivity and Its Applications, 2006, 449, 73-79.	1.2	5
297	Nitridation of porous GaAs by an ECR ammonia plasma. Plasma Sources Science and Technology, 2006, 15, 33-36.	3.1	5
298	INVESTIGATION OF Fe-DOPED AND -UNDOPED NiO NANOCRYSTALLINE FILMS. Surface Review and Letters, 2007, 14, 1113-1119.	1.1	5
299	Influence of reactive oxygen ambience on the structural, morphological and optical properties of pulsed laser ablated potassium lithium niobate thin films. Thin Solid Films, 2008, 517, 603-608.	1.8	5
300	Effect of Molarity of Precursor Solution on Nanocrystalline Zinc Oxide Thin Films. Defect and Diffusion Forum, 2009, 293, 99-105.	0.4	5
301	Ag15+ and O7+ ion irradiation induced improvement in dielectric properties of the Ba(Co1/3Nb2/3)O3 thin films. Materials Chemistry and Physics, 2011, 126, 660-664.	4.0	5
302	Synthesis and Magnetic Properties of (Bi, Pb)2Sr2Ca2Cu3O10+Î´ Superconductor. Journal of Superconductivity and Novel Magnetism, 2012, 25, 785-789.	1.8	5
303	The Effect of Mn Substitution on Properties of Bi1.6Pb0.4Sr2Ca2â^'x Mn x Cu3O y Superconductors. Journal of Superconductivity and Novel Magnetism, 2012, 25, 85-90.	1.8	5
304	Structural Studies and Valence Band Splitting Parameters in Ordered Vacancy Compound AgGa7Se12. Journal of Inorganic and Organometallic Polymers and Materials, 2013, 23, 424-431.	3.7	5
305	Superconductivity in partially filled skutterudite Pr0.5Pt4Ge12. Journal of Physics: Conference Series, 2014, 534, 012040.	0.4	5
306	Enhancement in thermoelectric power of Ce(Ni_{1â^'x}Cu_x)₂Al₃: An implication of twoâ€band conduction. Physica Status Solidi (B): Basic Research, 2015, 252, 502-507.	1.5	5

#	Article	IF	Citations
307	Controlling phase separation in La5/8â^'yPryCa3/8MnO3 (yâ€‰=â€‰0.45) epitaxial thin films by strain disorder. Applied Physics Letters, 2015, 106, 072401.	3.3	5
308	Iron doped ZnO nanocrystals and their structural, optical and magnetic behavior. Optik, 2016, 127, 1499-1502.	2.9	5
309	Effects of Mn Doping on Zinc Oxide Films Prepared by Spray Pyrolysis Technique. International Journal of Nanoscience, 2017, 16, 1650024.	0.7	5
310	Studies on Dissolution Behavior of the Surface Layer of Sodium-Exposed SS 316LN in Decontaminating Formulation Using PEMHS. Nuclear Technology, 2017, 197, 99-109.	1.2	5
311	Structural, morphological and electrical properties of Sb doped SnO2 thin film by spray pyrolysis. AIP Conference Proceedings, 2018, , .	0.4	5
312	Study of orthorhombic twins in epitaxial GdFeO3 thin films. Thin Solid Films, 2019, 669, 301-305.	1.8	5
313	Transport properties of a modified CDW insulator - Cox:TiSe2. Physica B: Condensed Matter, 2020, 590, 412145.	2.7	5
314	Semiconducting nature and magnetoresistance behaviour of ZnO / La0.3Ca0.7MnO3 / SrTiO3 heterostructures. Materials Science in Semiconductor Processing, 2021, 136, 106154.	4.0	5
315	Azimuthal Angle Dependence Of Nanoripple Formation On Si(100) By Low Energy Ion Erosion. Advanced Materials Letters, 2013, 4, 398-401.	0.6	5
316	Surface morphology of ion-irradiated Fe films. Applied Physics A: Materials Science and Processing, 1998, 66, S1137-S1139.	2.3	4
317	Competition between RKKY and Kondo interactions in. Journal of Physics Condensed Matter, 1998, 10, 4413-4422.	1.8	4
318	Authors's reply to `Generation of surface degraded layer on austenitic stainless steel piping exposed to flowing sodium in a loop: inter comparison of long term exposure data', by S. Rajendran Pillai. Journal of Nuclear Materials, 2004, 334, 217-221.	2.7	4
319	Swift heavy ion induced surface modifications in nano-crystalline Liâ€“Mg ferrite thin films. Applied Surface Science, 2006, 252, 8223-8228.	6.1	4
320	Synthesis and physical characterization of superconductivityâ€“magnetism crossover compound RuSr2EuCeCu2O10â^'Î´. Solid State Communications, 2006, 138, 452-456.	1.9	4
321	Surface composition and electronic structure of Ni2+xMn1â^'xGa studied by X-ray photoelectron spectroscopy. Surface Science, 2006, 600, 3749-3752.	1.9	4
322	Effect of ion beam irradiation on magnetic and structural properties of Pt/Cr/Co multilayers. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 1247-1251.	1.4	4
323	The nucleation and growth mechanism of the electrodeposition of Tl₂Ba₂Ca₂Cu₃O₁₀superconducting thin films on Al-substrate. Superconductor Science and Technology, 2008, 21, 065009.	3.5	4
324	Transparent conducting indium molybdenum oxide films by pulsed laser ablation. Journal of Alloys and Compounds, 2012, 539, 63-68.	5.5	4

#	Article	IF	Citations
325	Improved crystallinity, spatial arrangement and monodispersity of submicron La0.7Ba0.3MnO3 powders: A citrate chelation approach. Journal of Magnetism and Magnetic Materials, 2012, 324, 3766-3772.	2.3	4
326	Low temperature thermal windowing (TW) thermally stimulated depolarization current (TSDC) setup. Measurement Science and Technology, 2012, 23, 025603.	2.6	4
327	Effect of composition on structural and optical characteristics of nebulised spray pyrolysed (Bi1â^'xSbx)2S3 thin films. Superlattices and Microstructures, 2013, 57, 158-165.	3.1	4
328	Effect of Substrate Orientation on Structural and Magnetic Properties of BiMnO3 Thin Films by RF Magnetron Sputtering. Physics Procedia, 2013, 49, 183-189.	1.2	4
329	Effect of superconducting spacer layer thickness on magneto-transport and magnetic properties of La0.7Sr0.3MnO3/YBa2Cu3O7/La0.7Sr0.3MnO3 heterostructures. Journal of Applied Physics, 2014, 115, .	2.5	4
330	Study of photoconductivity in Ni doped CdS thin films prepared by spray pyrolysis technique. , 2014, , .		4
331	Influence of Mn Site Substitution on Electrical Resistivity and Magnetoresistance Properties of Rare Earth Manganite. Advanced Materials Research, 2014, 1047, 123-129.	0.3	4
332	Structural, magnetic, and dielectric studies on Gd_{0.7}Y_{0.3}MnO₃. Journal of Physics Condensed Matter, 2014, 26, 345901.	1.8	4
333	Optical and electrical properties and phonon drag effect in low temperature TEP measurements of AgSbSe₂thin films. Journal of Semiconductors, 2014, 35, 052001.	3.7	4
334	Magnetotransport studies on GdBa2Cu3OZ superconducting film. , 2014, , .		4
335	Room temperature magnetism and metal to semiconducting transition in dilute Fe doped Sb_{1â^'x}Se_xsemiconducting alloy thin films. Materials Research Express, 2015, 2, 025902.	1.6	4
336	Two dimensional magnetic correlation in the unconventional corrugated layered oxides (Ba,Sr)4Mn3O10. Journal of Physics Condensed Matter, 2015, 27, 056001.	1.8	4
337	Nickel foam for trapping Manganese and Cobalt from Liquid Sodium. Transactions of the Indian Institute of Metals, 2015, 68, 169-179.	1.5	4
338	Role of iso-electronic Ru5+ in thermal transport behavior of YMn1-xRuxO3 compounds. Journal of Alloys and Compounds, 2016, 688, 280-287.	5.5	4
339	Effect of light and heavy rare earth mixing on the properties of Nd_{1â^'x}Gd_xCo₂. Journal Physics D: Applied Physics, 2018, 51, 505001.	2.8	4
340	Signature of vortex glass and non-Fermi liquid state in a magnetic superconductor Pr2Pt3Ge5. Journal of Alloys and Compounds, 2021, 888, 161592.	5.5	4
341	Temperature variation of the Debye-Waller factors of metal and halide ions in CsCl and CsBr powders by X-ray diffraction. I. Debye-Waller factors of Cs+ and Clâ^' ions in CsCl from room temperature to 90Â°K. Pramana - Journal of Physics, 1988, 30, 331-336.	1.8	3
342	Induction of superconductivity in Y0.4Pr0.6Ba2â^'xSrxCu3O7 system with increasing Sr substitution. Physica C: Superconductivity and Its Applications, 2004, 417, 33-39.	1.2	3

#	Article	IF	Citations
343	Systematic induction of superconductivity in the Cu (Y1â^'xCax)Ba2Cu2O6+Î´() system by Ca substitution. Superconductor Science and Technology, 2005, 18, 716-720.	3.5	3
344	Anomalous lattice expansion of RuSr2Eu1.5Ce0.5Cu2O10â^'Î´ (Ru-1222) magneto superconductor: A low temperature X-ray diffraction study. Physica C: Superconductivity and Its Applications, 2006, 445-448, 97-101.	1.2	3
345	Shape transition of nanostructures created on Si(100) surfaces after MeV implantation. Nuclear Instruments & Methods in Physics Research B, 2006, 244, 74-77.	1.4	3
346	Surface modification by swift (â^¼100MeV) Si7+ and Au7+ ions irradiation in n-GaAs. Nuclear Instruments & Methods in Physics Research B, 2006, 244, 149-152.	1.4	3
347	Characterization of surface deformation around Vickers indentations in InGaAsP epilayers on InP substrate. Applied Surface Science, 2006, 253, 2973-2977.	6.1	3
348	Tuning magnetic properties of Co/Pt thin films using energetic ions. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 1542-1547.	1.4	3
349	Modification of Polymer Composite by Proton Beam Irradiation. Soft Materials, 2008, 6, 75-84.	1.7	3
350	THE INFLUENCE OF SUBSTRATE TEMPERATURE ON THE ELECTRICAL PROPERTIES OF ZnO FILMS PREPARED BY THE RF MAGNETRON SPUTTERING TECHNIQUE. Nano, 2008, 03, 469-476.	1.0	3
351	Magnetic and transport properties of Pr2Pd3Si5. Journal of Magnetism and Magnetic Materials, 2009, 321, 2753-2756.	2.3	3
352	Irradiation induced modifications in morphology and magnetic property of Mn/Si structure. Current Applied Physics, 2010, 10, 1137-1141.	2.4	3
353	The effect of strontium doping on the structural and magnetic transition of YMnO3. , 2012, , .		3
354	Bulk-heterojunction morphology control during spin coating: Modelling diffusion assisted phase separation. Applied Physics Letters, 2012, 101, .	3.3	3
355	Superconductivity in Cu0.08TiSe2. , 2012, , .		3
356	Structural, optical and electrical properties of Sb doped and undoped Ag<scp>I</scp>n_{1â€‰â^'â€‰x}<scp>G</scp>a_x<scp>S</scp>e₂ and Ag(<scp>I</scp>n<scp>G</scp>a)₅<scp>S</scp>e₈ thin films. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 714-722.	1.8	3
357	Anomalous giant positive magnetoresistance and heavy fermion like behaviour in Mn11Ge8. Materials Research Express, 2014, 1, 025047.	1.6	3
358	Low Temperature Heat Capacity of polycrystalline MnSi. Journal of Physics: Conference Series, 2016, 755, 012037.	0.4	3
359	Thermoelectric properties of CuS/Ag2S nanocomposites synthesed by modified polyol method. AIP Conference Proceedings, 2016, , .	0.4	3
360	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.	1.5	3

#	Article	IF	Citations
361	Synthesis, Morphological and Optical Properties of Nano-Crystalline Solid Cu_xS Thin Films. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2016, 46, 570-582.	0.6	3
362	Role of molar concentration in structural, optical and gas sensing performance of anatase phase TiO2 nanofilms: automated nebulizer spray pyrolysis (ANSP) technique. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	2.3	3
363	Quantum phase transition and non-Fermi liquid behavior in Fe_{1â^'x}Co_xSi (xâ©¾ 0.7). Journal of Physics Condensed Matter, 2018, 30, 145602.	1.8	3
364	Electrochemically synthesized faceted CuInTe2nanorods as an electron source for field emission applications. New Journal of Chemistry, 2018, 42, 5284-5294.	2.8	3
365	Anomalous Magnetotransport Properties of Bi Doped La_{0.67}Sr_{0.33}MnO₃. Physica Status Solidi (B): Basic Research, 2018, 255, 1700194.	1.5	3
366	Metamagnetism in itinerant ferromagnetic CeCrGe3 Kondo system. Physica B: Condensed Matter, 2019, 575, 411701.	2.7	3
367	CDW transition in Fe intercalated TiSe2. AIP Conference Proceedings, 2019, , .	0.4	3
368	Survival of Topological Surface States in Cobalt Doped Sb2Te3. Journal of Superconductivity and Novel Magnetism, 2020, 33, 1645-1651.	1.8	3
369	Soft Ferromagnetic Properties of Half-Metallic Mn2CoAl Heusler Alloy Nanoparticles for Spintronics Applications. Journal of Superconductivity and Novel Magnetism, 2020, 33, 2759-2766.	1.8	3
370	Structural, electrical transport and magnetoresistance properties of La0.7Ca0.3MnO3:ZnO nanocomposites. Materials Chemistry and Physics, 2022, 277, 125430.	4.0	3
371	Temperature variation of the Debye-Waller factors of metal and halide ions in CsCl and CsBr powders by X-ray diffraction. II. Debye-Waller factors of Cs+ and Brâ^' ions in CsBr from room temperature to 78.2Â°K. Pramana - Journal of Physics, 1988, 30, 337-340.	1.8	2
372	Magnetic shielding studies using cylinders of YBa2Cu3O7â^'x prepared by isostatic compression. Solid State Communications, 1993, 87, 1081-1085.	1.9	2
373	Critical current density of a sample of melt grown Y1.2Ba1.8Cu2.4O x. Pramana - Journal of Physics, 1993, 41, 61-66.	1.8	2
374	Magnetic shielding using high-temperature superconductors. Bulletin of Materials Science, 1994, 17, 87-93.	1.7	2
375	Particle induced X-ray emission spectroscopic (PIXE) and surface morphological (AFM) studies on electron beam evaporated WO3thin films. Surface Engineering, 2005, 21, 315-319.	2.2	2
376	Surface modifications in single crystal surfaces of YBa2Cu3O7â^'Î´ upon high energy ion irradiation. Nuclear Instruments & Methods in Physics Research B, 2006, 244, 120-123.	1.4	2
377	Mapping of Magnetic Domains by MFM in Ni₂MnGa. Advanced Materials Research, 0, 52, 115-119.	0.3	2
378	Acoustic Analysis of Exhaust Muffler of a 4-Stroke Engine. SAE International Journal of Passenger Cars - Mechanical Systems, 0, 2, 1303-1311.	0.4	2

#	Article	IF	Citations
379	Creating surface nanostructures in GaAs by MeV Au2+ ions. Surface and Coatings Technology, 2009, 203, 2490-2492.	4.8	2
380	On the magneto structural transition inNdCo₂. Journal of Physics: Conference Series, 2009, 150, 042160.	0.4	2
381	The unusual electrical response in polyanilineâ€“threonine composites. Materials Letters, 2010, 64, 2009-2011.	2.6	2
382	Inspection of multiferroicity in BiMn_{2 â^'x}Ti_xO₅ceramics through specific heat and Raman spectroscopic studies. Journal of Physics Condensed Matter, 2010, 22, 485901.	1.8	2
383	Influence of polyvinylpyrrolidone on particle size of Ni nanoparticles preparation. AIP Conference Proceedings, 2012, , .	0.4	2
384	Room Temperature Ferromagnetism in Ti_{0.985}Co_{0.015}O_{2-Î´} Thin Films Grown by Pulsed Laser Deposition Technique. Materials Science Forum, 2013, 760, 1-7.	0.3	2
385	Reentrant spin-glass state in a geometrical frustrated multiferroic system: Role of disorder. Journal of Applied Physics, 2014, 115, 17E104.	2.5	2
386	On the heat capacity of Ce3Al. , 2014, , .		2
387	Transport and calorimetric studies on CeNi₂Al₃. Journal of Physics: Conference Series, 2014, 534, 012039.	0.4	2
388	Electronic transport and magnetoresistivity of La0.4Bi0.1Ca0.5â^'x Sr x MnO3 (x = 0.1 and 0.2). Bulletin of Materials Science, 2015, 38, 1449-1455.	1.7	2
389	Growth and Structural Study of Cadmium Arachidate Multilayers Deposited by LB Technique. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 560-566.	0.6	2
390	Zeta-potential and particle size studies of silver sulphide nanoparticles. AIP Conference Proceedings, 2016, , .	0.4	2
391	Annealing induced morphological modifications in PTFE films deposited by magnetron sputtering. AIP Conference Proceedings, 2017, , .	0.4	2
392	Compensation effects in a correlated insulator Fe1-xNixSi. AIP Conference Proceedings, 2017, , .	0.4	2
393	Thicknessâ€dependent optical and structural properties of polytetrafluoroethylene/zinc oxide films by radio frequency magnetron sputtering. Advances in Polymer Technology, 2018, 37, 2774-2787.	1.7	2
394	Effect of 120 MeV Au⁹⁺ ion irradiation on the structure and surface morphology of ZnO/NiO heterojunction. Surface and Interface Analysis, 2018, 50, 954-961.	1.8	2
395	Anomalous magnetic properties of RCrTiO₅ (Râ€‰â€‰=â€‰â€‰Dy and Ho) compounds. Journal of Physics Condensed Matter, 2020, 32, 035802.	1.8	2
396	Physical and magnetic properties of (Ce1â^'xNdx)3Al (xÂ=Â0.3): Coexisting ferromagnetism and Kondo effect. Journal of Magnetism and Magnetic Materials, 2020, 514, 167184.	2.3	2

#	Article	IF	Citations
397	The effect of rare-earth Gd-substitution on the structural, magnetic and specific heat properties in orthorhombic DyMnO3 ceramics. Journal Physics D: Applied Physics, 2020, 53, 405301.	2.8	2
398	Unconventional impurity band conduction and carrier dynamics in Ni substituted FeSi. Journal of Physics Condensed Matter, 2020, 32, 335602.	1.8	2
399	Tuning of structural, morphological, optical and electrical properties of SnO2 by indium inclusion. Bulletin of Materials Science, 2021, 44, 1.	1.7	2
400	Transport properties, charge conduction mechanism and magnetic behavior of La0.3Ca0.7MnO3:ZnO Nanocomposites. Materials Science in Semiconductor Processing, 2021, 135, 106130.	4.0	2
401	Structural and magnetic properties of co-sputtered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mrow><mml:mn>0.8<mathvariant="normal">C</mml:mi><mml:mrow><mml:mn>0.2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> thin films. Physical Review Materials, 2020, 4, .	3.4	2
402	Synthesis, Growth and Characterization of Tunable Band Gap Nanostructured Copper(I) Oxide (Cu₂O) Semiconductor. Journal of Advanced Microscopy Research, 2011, 6, 186-192.	0.3	2
403	Intricate interplay between superconductivity and topological surface states of c axis oriented MoTe₂. Journal of Applied Physics, 2022, 131, 193902.	2.5	2
404	Precise lattice parameter measurements in CsCl-Br solid solutions between room temperature and 90Â°K by powder x-ray diffraction. Pramana - Journal of Physics, 1987, 28, 73-79.	1.8	1
405	Temperature variation of the Debye-Waller factors of metal and halide ions in CsCl-Br solid solutions between room temperature and 90Â°K by powder X-ray diffraction. Pramana - Journal of Physics, 1988, 30, 407-417.	1.8	1
406	Superconductivity in a new NdBa₂Ca₃Sr₄Cu₅O_xsystem. Phase Transitions, 1993, 42, 251-258.	1.3	1
407	Structural and superconducting properties of melt-grown Yâ€“Baâ€“Cuâ€“O superconductors. Journal of Materials Research, 1996, 11, 2406-2415.	2.6	1
408	Unpinning of surface state at 0.92 eV by nanocrystalline ZnSe on GaAs. Thin Solid Films, 2001, 381, 69-72.	1.8	1
409	MICROCRACKS IN ~ 100 MeV Si7+-ION-IRRADIATED p-SILICON SURFACES. Surface Review and Letters, 2004, 11, 265-269.	1.1	1
410	Surface and transport studies on La0.7Ba0.3MnO3:SnO2 bilayer. Applied Surface Science, 2008, 254, 4808-4812.	6.1	1
411	Sonochemical Synthesis of Poly (Methyl Acrylate). Solid State Phenomena, 0, 136, 175-190.	0.3	1
412	Effect of ZnO doping on the structural and optical properties of BaWO4 thin films prepared using pulsed laser ablation technique. Pramana - Journal of Physics, 2010, 75, 1157-1161.	1.8	1
413	Bacterial Spring Constant in Log-Phase Growth. , 2011, , .		1
414	Possibility of Non Fermi Liquid Like States Co-exists With Superconductivity in Doubly Filled Skutterudites. , 2011, , .		1

#	Article	IF	Citations
415	Electrical Study of Se[sub 70]Te[sub 30â^'X]Pb[sub x]â€‰(Xâ€‰=â€‰6,8) Glass System. , 2011, , .		1
416	Thermoelectric properties of transition metal intercalated layered TiSe2. , 2012, , .		1
417	Effect of Mn on the Surface Morphological Properties of (Bi, Pb)2 Sr2Ca2Cu3â^'x Mn x O10+Î´ (Bi-2223) Superconductor. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1215-1221.	1.8	1
418	LUMINESCENT SILICON NANOSTRUCTURES VIA TIN OXIDE DOPING. Nano, 2013, 08, 1350008.	1.0	1
419	Effect of Sn substitution on structural and transport properties of (La[sub 0.67]Sr[sub 0.33])MnO[sub 3]. , 2013, , .		1
420	Synthesis of biocompatible nanoparticle drug complexes for inhibition of mycobacteria. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2013, 4, 045015.	1.5	1
421	Calorimetric study of Skyrmionic chiral magnet MnSi. , 2014, , .		1
422	Critical roles of cappants on the electrical resistivity of Ni nanoparticles. , 2014, , .		1
423	Influence of surfactants on the electrical resistivity and thermopower of Ni nanoparticles. Materials Research Express, 2014, 1, 045014.	1.6	1
424	Nanoscopic investigations on the surface topography, defect-substructure, dislocations and micromorphology of surfaces of BaxSr1â^'x(NO3)2 mixed crystals. Journal of Crystal Growth, 2014, 391, 7-12.	1.5	1
425	Persistence photo conductivity in Ni doped CdS. Journal of Physics: Conference Series, 2014, 534, 012046.	0.4	1
426	Swift heavy ion induced crystallographic tilt and site-disorder in epitaxial magneto-electric GaFeO3 thin films. Journal Physics D: Applied Physics, 2015, 48, 375001.	2.8	1
427	Resonant dipolar relaxation in poly (Îµ-caprolactone)â€”A thermally stimulated depolarization current study. Journal of Applied Physics, 2016, 120, .	2.5	1
428	Study of structural, electronic and magneto transport properties of La0.7Ca0.2-xSrxAg0.1MnO3. Journal of Physics: Conference Series, 2016, 755, 012024.	0.4	1
429	Effect of spin fluctuations on the resistivity of LaCrGe3. AIP Conference Proceedings, 2016, , .	0.4	1
430	Self-assembled horseshoe type shape transitions in morphology of Cu substituted ZnO. AIP Conference Proceedings, 2017, , .	0.4	1
431	Morphological evolution of Bi2Se3 nanocrystalline materials synthesized by microwave assisted solvothermal method. AIP Conference Proceedings, 2018, , .	0.4	1
432	Magnetic field induced enhancement of resistance in polycrystalline ZrTe5. AIP Conference Proceedings, 2018, , .	0.4	1

#	Article	IF	Citations
433	Studies on magneto conductance of nickel substituted FeSi. Journal of Magnetism and Magnetic Materials, 2018, 448, 257-261.	2.3	1
434	Heteroepitaxial growth of self-assembled BaTiO3-Fe2O3 nanostructures. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2018, 36, .	1.2	1
435	Superconducting parameters of La2Pt3Ge5. AIP Conference Proceedings, 2019, , .	0.4	1
436	Transport and calorimetric properties of CrSi. AIP Conference Proceedings, 2019, , .	0.4	1
437	Possible evidence for topological surface states in nanocrystalline Bi2Te3. AIP Conference Proceedings, 2019, , .	0.4	1
438	Heat capacity studies of Ni substituted FeSi. AIP Conference Proceedings, 2019, , .	0.4	1
439	Thermopower study of polycrystalline Fe intercalated TiSe2. AIP Conference Proceedings, 2020, , .	0.4	1
440	Effect of nano-inclusions of RE-211 (RE= Y, Nd, Sm, Gd) on critical current density in high Tc YBa2Cu3O7-x (123). AIP Conference Proceedings, 2020, , .	0.4	1
441	Magnetotransport and thermal properties of microwave synthesized nanostructured Bi2Te3. Journal of Applied Physics, 2021, 129, 194304.	2.5	1
442	Significant enhancement in thermoelectric power with Iso-electronic doping in c-axis oriented MoTe2 nano bulk sheets. Materials Letters, 2021, 303, 130449.	2.6	1
443	Radioactive Sodium Chemistry Loop for Activity Transport Studies and Meter Testing. , 1995, , 47-53.		1
444	Magnetic field induced Fermi liquid behavior in Mn0.95Cr0.05Si. AIP Conference Proceedings, 2017, , .	0.4	1
445	ÂMangnetoresistance Of Heavy Fermion-like Compound Ce(Ni1-xCux)2Al3. Advanced Materials Letters, 2015, 6, 544-547.	0.6	1
446	Local Electronic Structure Of Heavy-ion Irradiated Nano-crystalline Stoichiometric La0.8Sr0.2Mn0.8Fe0.2O3 Particles Using Highresolution MÃ¶ssbauer Spectroscopy. Advanced Materials Letters, 2013, 4, 862-868.	0.6	1
447	Experimental and Theoretical Investigations of Fe-Doped Hexagonal MnNiGe. ACS Omega, 0, , .	3.5	1
448	Critical current density of a sample of melt grown YBCO. Solid State Communications, 1993, 87, 1077-1080.	1.9	0
449	Magnetic shielding behavior of YBCO cylinders? A universal scaling property. Journal of Superconductivity and Novel Magnetism, 1994, 7, 889-891.	0.5	0
450	Synthesis and characterisation of a new 8 OK superconductor (Y, Gd) Ba2Ca3Cu4O11. Physica B: Condensed Matter, 1994, 194-196, 1611-1612.	2.7	0

#	Article	IF	Citations
451	Er1-yCayBa2Cu3-x(Fe, Zn)xO7-Î´superconductors: a study of microstructure and resistive transitions in a dc magnetic field. Superconductor Science and Technology, 2001, 14, 937-943.	3.5	0
452	A simple and sensitive apparatus for Seebeck coefficient measurement down to 77 K. , 0, , .		0
453	SURFACE MODIFICATIONS IN SILICON (100) DUE TO ANTIMONY IMPLANTATION. , 2003, , .		0
454	Probing the Effects of SHI and Doping-Induced Defects in Nanocrystalline Spinel Ferrites. Defect and Diffusion Forum, 2005, 242-244, 255-276.	0.4	0
455	Positron annihilation spectroscopy and specific heat study of Neon ion irradiated MgB2. Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 1521-1526.	2.1	0
456	TSDC studies of relaxation in L-Asparagine Monohydrate. , 2008, , .		0
457	Domain Structures across the Martensitic Transformation in Ni_{2+x}Mn_{1-x}Ga. Materials Science Forum, 0, 635, 69-74.	0.3	0
458	Modifications of Defects Concentration Induced by Ammonia Flow Rate and its Effects on Gallium Nitride Grown by MOCVD. Materials Research Society Symposia Proceedings, 2009, 1195, 131.	0.1	0
459	Structural and optical characterization of pulsed laserâ€ablated potassium lithium niobate thin films. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 2801-2808.	1.8	0
460	Low temperature heat capacity of Y 1â^'xNdxCo2. Solid State Communications, 2009, 149, 168-171.	1.9	0
461	Effect of Site Selective Doping of Co on the Physical and Structuralâ^•Micro structural Properties of Bi-Based High Temperature Superconductors. , 2010, , .		0
462	Bioelectret state in aromatic amino acids: A Thermally Stimulated Depolarization Current study of phenylalanine, tyrosine and tryptophan. , 2011, , .		0
463	Surface morphology and physical properties of partially melt textured Mn doped Bi-2223. AIP Advances, 2011, 1, 032176.	1.3	0
464	Thermally Stimulated Dehydration Studies in L-Asparagine Monohydrate. , 2011, , .		0
465	Non-Debye Specific Heat of (NH[sub 4])[sub x]Rb[sub 1â^'x]Br. , 2011, , .		0
466	Temperature Dependent Photosensitivity of Cu Doped CdS Thin Film. , 2011, , .		0
467	Effect of Cu-doping on Nanocrystalline NiO Thin Films. , 2011, , .		0
468	Shape and Size Effects on Magnetic Behavior of Nano-Crystalline (La,Sr)(Mn,Fe)O Perovskite Systems. , 2011, , .		0

#	Article	IF	Citations
469	Structural & Transport Properties of Nanostructured Nd[sub 0.7]Ca[sub 0.3]MnO[sub 3] Thin Films. , 2011, , .		0
470	Investigation of Cd-doped and Undoped ZnO Thin Films. , 2011, , .		0
471	2D Lowest Landau Level Scaling in FeTe[sub 0.5]Se[sub 0.5]. , 2011, , .		0
472	Large Relative Cooling Power in Dy[sub 5]Si[sub 4]:Dy[sub 5]Si[sub 3] composite. , 2011, , .		0
473	Heat Capacity and Magnetocaloric Study on Dy[sub 5]Ge[sub 3]Si. , 2011, , .		0
474	Flow rate effect on surface morphology of Cu doped CdS thin film by spray pyrolysis technique. , 2012, , .		0
475	Transport study on 20% Co doped FeSi in zero field. , 2012, , .		0
476	Electrical properties of Fe doped NiO thin films. , 2012, , .		0
477	Magnetotransport studies on polycrystalline MnSi. , 2012, , .		0
478	Growth of fluorine doped SnO[sub 2] nanostructures by spin coating of ultrasonically prepared gel precursor. , 2013, , .		0
479	Effect of deposition temperature on structural and optical properties of sprayed nickel oxide thin films. , 2013, , .		0
480	Competing Kondo and e-e interaction in Ce[sub 2.1]Nd[sub 0.9]Al. , 2013, , .		0
481	Study of GaFeO[sub 3] thin films prepared by PLD. , 2013, , .		0
482	Structural, optical and electrical properties of CdSâ€“polyaniline Langmuirâ€“Blodgett films. , 2014, , .		0
483	Investigation of the thermal properties on Dy₅Ge₂Si₂. Journal of Physics: Conference Series, 2014, 534, 012019.	0.4	0
484	Magnetotransport study of Kondo compound Ce(Ni0.7Cu0.3)2Al3. AIP Conference Proceedings, 2015, , .	0.4	0
485	Localization effects in Ce1.8Nd1.2Al. AIP Conference Proceedings, 2015, , .	0.4	0
486	Low temperature dielectric relaxation of poly (L-lactic acid) (PLLA) by Thermally Stimulated Depolarization Current. Journal of Physics: Conference Series, 2016, 755, 012039.	0.4	0

#	Article	IF	Citations
487	Investigation of magnetoresistance and localization behavior in nanobulk assembly of Bi₂Te₃. Journal of Physics: Conference Series, 2016, 755, 012011.	0.4	0
488	Electrical and magneto transport properties of La0.8â˜'x Ca x Sr0.1Ag0.1MnO3 (x = 0.1, 0.2, 0.3). Bulletin of Materials Science, 2016, 39, 1139-1145.	1.7	0
489	Anomalous Hall effect in Cr doped FeSi. AIP Conference Proceedings, 2016, , .	0.4	0
490	Structural studies on the substitution of Ag, Na doped LCSMO CMR manganites. AIP Conference Proceedings, 2016, , .	0.4	0
491	Kinetics of photo-activated charge carriers in Sn:CdS. AIP Conference Proceedings, 2016, , .	0.4	0
492	Coexistence of Kondo effect and Ferromagnetism in Ce_{1.5}Nd_{1.5}Al. Journal of Physics: Conference Series, 2016, 755, 012038.	0.4	0
493	Structure and morphology of Sn1-xAlxO2 thin films prepared by spray pyrolysis technique. Journal of Physics: Conference Series, 2017, 836, 012049.	0.4	0
494	Strain control in self assembled growth of vertical nano structured heteroepitaxial thin films. AIP Conference Proceedings, 2017, , .	0.4	0
495	Microwave assisted radiant heating effect on the crystallization of SnO2 thin films prepared by spin-coating. AIP Conference Proceedings, 2017, , .	0.4	0
496	Preparation and temperature dependent Raman study of polycrystalline GdFeO3 thin film. AIP Conference Proceedings, 2018, , .	0.4	0
497	Metal insulator transition in nickel substituted FeSi. AIP Conference Proceedings, 2018, , .	0.4	0
498	Thermoelectric power evidence of quantum phase transition. AIP Conference Proceedings, 2018, , .	0.4	0
499	Magnetoresistance behavior in nanobulk assembled Bi2Se3 topological insulator. AIP Conference Proceedings, 2018, , .	0.4	0
500	The existence of superconductivity in Nb1.75Ta0.25PdS5. AIP Conference Proceedings, 2018, , .	0.4	0
501	Anomalous low temperature resistivity in CeCr0.8V0.2Ge3. AIP Conference Proceedings, 2018, , .	0.4	0
502	Signatures of trivial to topological phase transition in Bi1â˜'xSbx nanocrystals synthesized by microwave assisted solvothermal method. AIP Conference Proceedings, 2019, , .	0.4	0
503	Structural and photo-conducting properties of Cd1-xAlxS thin films prepared by spray pyroliysis. AIP Conference Proceedings, 2019, , .	0.4	0
504	Enhancement of the upper critical field (HC2) in Nb2Pd(S0.9Te0.1)5 superconducting fibers. AIP Conference Proceedings, 2020, , .	0.4	0

#	Article	IF	Citations
505	Superconducting and normal state properties of quasi-one-dimensional Nb2Pd(S0.9Te0.1)5 system. Journal of Solid State Chemistry, 2022, 305, 122652.	2.9	0
506	Magnetotransport and thermoelectric properties of cobalt doped Bi2Te3 nanostructures. Materials Letters, 2022, 309, 131389.	2.6	0