

Ganesan Vedachalaiyer

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4973893/publications.pdf>

Version: 2024-02-01

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	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.	2.9	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.	4.0	3
3	Magnetotransport and thermoelectric properties of cobalt doped Bi ₂ Te ₃ nanostructures. Materials Letters, 2022, 309, 131389.	2.6	0
4	Intricate interplay between superconductivity and topological surface states of c axis oriented MoTe ₂ . Journal of Applied Physics, 2022, 131, 193902.	2.5	2
5	Magnetotransport and thermal properties of microwave synthesized nanostructured Bi ₂ Te ₃ . Journal of Applied Physics, 2021, 129, 194304.	2.5	1
6	Tuning of structural, morphological, optical and electrical properties of SnO ₂ by indium inclusion. Bulletin of Materials Science, 2021, 44, 1.	1.7	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.	2.6	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.	4.0	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.	4.0	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.	5.5	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.	4.0	99
12	Anomalous magnetic properties of CrTiO ₅ (R = Dy and Ho) compounds. Journal of Physics Condensed Matter, 2020, 32, 035802.	1.8	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.	1.8	7
14	Survival of Topological Surface States in Cobalt Doped Sb ₂ Te ₃ . Journal of Superconductivity and Novel Magnetism, 2020, 33, 1645-1651.	1.8	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.	2.3	2
16	Magnetotransport and Berry phase in magnetically doped Bi _{0.97-x} Sb _{0.03} single crystals. Physical Review B, 2020, 102, .	3.2	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.	2.2	7
18	Thermopower study of polycrystalline Fe intercalated TiSe ₂ . AIP Conference Proceedings, 2020, , .	0.4	1

#	ARTICLE	IF	CITATIONS
19	Magnetocaloric Properties of Gd ^x HoxMnO ₃ Multiferroic Compounds. Journal of Low Temperature Physics, 2020, 200, 40-50.	1.4	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.	1.8	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.	2.8	2
22	Transport properties of a modified CDW insulator - Cox:TiSe ₂ . Physica B: Condensed Matter, 2020, 590, 412145.	2.7	5
23	Enhanced thermoelectric performance of nanostructured manganese telluride via antimony doping. Journal of Alloys and Compounds, 2020, 836, 155374.	5.5	16
24	Oxygen Vacancy-Induced Topological Hall Effect in a Nonmagnetic Band Insulator. Advanced Quantum Technologies, 2020, 3, 2000021.	3.9	9
25	Magnetic properties of the one-dimensional Heisenberg antiferromagnetic spin-chain compound NaMn_2O_4 . Journal of Applied Physics, 2020, 127, .	3.2	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, , .	0.4	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.	3.5	6
28	Disorder-induced critical exponents near a ferromagnetic quantum critical point in Mn_2O_4 . Physical Review Materials, 2020, 4, .	3.2	8
29	Unconventional impurity band conduction and carrier dynamics in Ni substituted FeSi. Journal of Physics Condensed Matter, 2020, 32, 335602.	1.8	2
30	Transport and thermal properties of polycrystalline ZrTe ₅ . Journal of Applied Physics, 2020, 127, .	2.5	6
31	Structural and magnetic properties of co-sputtered $\text{Fe}_{0.8}\text{C}_{0.2}$ thin films. Physical Review Materials, 2020, 4, .	2.4	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, , .	0.4	0
33	Superconducting parameters of La ₂ Pt ₃ Ge ₅ . AIP Conference Proceedings, 2019, , .	0.4	1
34	Weak antilocalization in Sb ₂ Te ₃ nano-crystalline topological insulator. Applied Surface Science, 2019, 496, 143654.	6.1	16
35	Transport and calorimetric properties of CrSi. AIP Conference Proceedings, 2019, , .	0.4	1
36	Constitutive modelling of transient and steady state creep behaviour of type 316LN austenitic stainless steel. Mechanics of Materials, 2019, 137, 103122.	3.2	18

#	ARTICLE	IF	CITATIONS
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, , .	0.4	0
38	Possible evidence for topological surface states in nanocrystalline Bi ₂ Te ₃ . AIP Conference Proceedings, 2019, , .	0.4	1
39	Magnetic, thermal and magnetocaloric studies of polycrystalline HoMnO ₃ compound. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	10
40	Metamagnetism in itinerant ferromagnetic CeCrGe ₃ Kondo system. Physica B: Condensed Matter, 2019, 575, 411701.	2.7	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, .	3.2	6
42	Ferromagnetic ordering in nickel doped BiFeO ₃ nanostructured thin films. Journal of Materials Science: Materials in Electronics, 2019, 30, 18306-18314.	2.2	7
43	Enhanced thermoelectric property of nanostructured CaMnO ₃ by sol-gel hydrothermal method. Physica B: Condensed Matter, 2019, 575, 411707.	2.7	18
44	Study of tilted orthorhombic twins and leakage current in epitaxial SmFeO ₃ thin films. Journal of Applied Physics, 2019, 125, .	2.5	7
45	Robust superconductivity against the antiferromagnetic ordering in Pr ₂ Pt ₃ Ge ₅ . Physica B: Condensed Matter, 2019, 570, 296-300.	2.7	9
46	Structural and photo-conducting properties of Cd _{1-x} Al _x S thin films prepared by spray pyrolysis. AIP Conference Proceedings, 2019, , .	0.4	0
47	Heat capacity studies of Ni substituted FeSi. AIP Conference Proceedings, 2019, , .	0.4	1
48	CDW transition in Fe intercalated TiSe ₂ . AIP Conference Proceedings, 2019, , .	0.4	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.	2.5	8
50	Study of orthorhombic twins in epitaxial GdFeO ₃ thin films. Thin Solid Films, 2019, 669, 301-305.	1.8	5
51	Quantum phase transition and non-Fermi liquid behavior in Fe _{1-x} Co _x Si (0 < x < 0.7). Journal of Physics Condensed Matter, 2018, 30, 145602.	1.8	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.	2.7	21
53	Electrochemically synthesized faceted CuInTe ₂ nanorods as an electron source for field emission applications. New Journal of Chemistry, 2018, 42, 5284-5294.	2.8	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.	5.5	10

#	ARTICLE	IF	CITATIONS
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.	1.7	2
56	Morphological evolution of Bi ₂ Se ₃ nanocrystalline materials synthesized by microwave assisted solvothermal method. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
57	Preparation and temperature dependent Raman study of polycrystalline GdFeO ₃ thin film. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
58	Metal insulator transition in nickel substituted FeSi. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	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.	1.6	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.	2.7	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.	1.8	9
62	Thermoelectric power evidence of quantum phase transition. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
63	Magnetic field induced enhancement of resistance in polycrystalline ZrTe ₅ . <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
64	Density and microstructure of a-C thin films. <i>Diamond and Related Materials</i> , 2018, 84, 71-76.	3.9	12
65	Studies on magneto conductance of nickel substituted FeSi. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 448, 257-261.	2.3	1
66	Spin fluctuations in Cr doped MnSi. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 448, 130-134.	2.3	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.	2.2	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.	1.5	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.	2.8	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, .	1.2	1
71	Magnetoresistance behavior in nanobulk assembled Bi ₂ Se ₃ topological insulator. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0
72	The existence of superconductivity in Nb _{1.75} Ta _{0.25} PdS ₅ . <i>AIP Conference Proceedings</i> , 2018, , .	0.4	0

#	ARTICLE	IF	CITATIONS
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.	1.8	2
74	Visible and near-infrared wavelength-selective dielectric reflectors for light management applications. Superlattices and Microstructures, 2018, 122, 228-234.	3.1	8
75	Anomalous low temperature resistivity in CeCr _{0.8} V _{0.2} Ge ₃ . AIP Conference Proceedings, 2018, , .	0.4	0
76	Structural, morphological and electrical properties of Sb doped SnO ₂ thin film by spray pyrolysis. AIP Conference Proceedings, 2018, , .	0.4	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.	2.8	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.	2.3	13
79	Critical behavior, universal magnetocaloric, and magnetoresistance scaling of MnSi. Physical Review B, 2017, 95, .	3.2	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.	2.8	53
81	Growth, mechanism and properties of TiO ₂ nanorods embedded nanopillar: Evidence of lattice orientation effect. Superlattices and Microstructures, 2017, 109, 145-153.	3.1	13
82	Annealing induced morphological modifications in PTFE films deposited by magnetron sputtering. AIP Conference Proceedings, 2017, , .	0.4	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.	0.4	0
84	Spin reorientation and disordered rare earth magnetism in Ho ₂ FeCoO ₆ . Journal of Physics Condensed Matter, 2017, 29, 475804.	1.8	16
85	Compensation effects in a correlated insulator Fe _{1-x} Ni _x Si. AIP Conference Proceedings, 2017, , .	0.4	2
86	Fabrication and characterization of TiO ₂ /SiO ₂ based Bragg reflectors for light trapping applications. Results in Physics, 2017, 7, 2271-2276.	4.1	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.	3.1	19
88	Study of two-phase magnetization reversal in patterned cobalt thin film. Journal Physics D: Applied Physics, 2017, 50, 425001.	2.8	10
89	Self-assembled horseshoe type shape transitions in morphology of Cu substituted ZnO. AIP Conference Proceedings, 2017, , .	0.4	1
90	Quantum size effect on the heat capacity of nickel nanolattice. Applied Physics Letters, 2017, 111, .	3.3	7

#	ARTICLE	IF	CITATIONS
91	UV-shielding efficiency of TiO ₂ -polystyrene thin films prepared by solution cast method. Journal of Physics: Conference Series, 2017, 836, 012048.	0.4	7
92	Strain control in self assembled growth of vertical nano structured heteroepitaxial thin films. AIP Conference Proceedings, 2017, , .	0.4	0
93	Role of carrier concentration in swift heavy ion irradiation induced surface modifications. Surface Science, 2017, 664, 137-146.	1.9	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.	2.3	3
95	Microwave assisted radiant heating effect on the crystallization of SnO ₂ thin films prepared by spin-coating. AIP Conference Proceedings, 2017, , .	0.4	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.	2.2	6
97	Effects of Mn Doping on Zinc Oxide Films Prepared by Spray Pyrolysis Technique. International Journal of Nanoscience, 2017, 16, 1650024.	0.7	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.	1.2	5
99	Magnetic field induced Fermi liquid behavior in Mn _{0.95} Cr _{0.05} Si. AIP Conference Proceedings, 2017, , .	0.4	1
100	Low Temperature Heat Capacity of polycrystalline MnSi. Journal of Physics: Conference Series, 2016, 755, 012037.	0.4	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.	5.5	4
102	Resonant dipolar relaxation in poly (̇-caprolactone)â€™A thermally stimulated depolarization current study. Journal of Applied Physics, 2016, 120, .	2.5	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.	0.4	0
104	Thermoelectric properties of CuS/Ag ₂ S nanocomposites synthesised by modified polyol method. AIP Conference Proceedings, 2016, , .	0.4	3
105	Investigation of magnetoresistance and localization behavior in nanobulk assembly of Bi ₂ Te ₃ . Journal of Physics: Conference Series, 2016, 755, 012011.	0.4	0
106	Zeta-potential and particle size studies of silver sulphide nanoparticles. AIP Conference Proceedings, 2016, , .	0.4	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.	2.3	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.	1.5	3

#	ARTICLE	IF	CITATIONS
109	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
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.	2.9	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.	1.7	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.	3.6	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.	10.4	46
114	The magnetoresistance of YBCO/BZO composite superconductors. Physica C: Superconductivity and Its Applications, 2016, 531, 85-92.	1.2	10
115	Anomalous Hall effect in Cr doped FeSi. AIP Conference Proceedings, 2016, , .	0.4	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.	0.4	1
117	Structural studies on the substitution of Ag, Na doped LCSMO CMR manganites. AIP Conference Proceedings, 2016, , .	0.4	0
118	Kinetics of photo-activated charge carriers in Sn:CdS. AIP Conference Proceedings, 2016, , .	0.4	0
119	Effect of spin fluctuations on the resistivity of LaCrGe ₃ . AIP Conference Proceedings, 2016, , .	0.4	1
120	Coexistence of Kondo effect and Ferromagnetism in Ce _{1.5} Nd _{1.5} Al. Journal of Physics: Conference Series, 2016, 755, 012038.	0.4	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.	1.7	8
122	Iron doped ZnO nanocrystals and their structural, optical and magnetic behavior. Optik, 2016, 127, 1499-1502.	2.9	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.	2.9	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.	2.3	34
125	Magnetic field-tuned Fermi liquid formation in $\text{La}_{0.5}\text{Ca}_{0.5}\text{Mn}_{0.75}\text{Fe}_{0.25}\text{O}_3$. Journal of Magnetism and Magnetic Materials, 2016, 418, 289-293.	2.3	8
126	Metal to insulator transition and an impurity band conduction in Fe _{1-x} CrxSi. Journal of Alloys and Compounds, 2016, 663, 311-315.	5.5	9

#	ARTICLE	IF	CITATIONS
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.	2.8	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.	3.5	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, .	1.3	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, , .	0.4	0
132	Localization effects in $\text{Ce}_{1.8}\text{Nd}_{1.2}\text{Al}$. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	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.	1.5	5
134	Investigation of chiral phases near helical ordering temperature in MnSi. <i>Physica Status Solidi (B): Basic Research</i> , 2015, 252, 1810-1816.	1.5	9
135	Thermodynamic properties of multiferroic Mg doped YbMnO_3 . <i>Journal of Alloys and Compounds</i> , 2015, 644, 830-835.	5.5	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.	4.8	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.	1.7	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.	2.8	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.	2.3	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.	4.8	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.	1.6	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.	1.8	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.	2.7	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.	1.5	4

#	ARTICLE	IF	CITATIONS
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.	1.6	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.	2.9	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, .	2.5	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.	4.0	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.	4.0	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.	3.5	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.	6.1	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.	3.9	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.	2.5	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.	3.3	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.	3.6	19
156	Specific heat and magnetocaloric studies of hexagonal $\text{Yb}_{1-x}\text{Er}_x\text{MnO}_3$. <i>Materials Letters</i> , 2015, 161, 419-422.	2.6	15
157	Role of ceramic reinforcement in composite polymer electrolyte. <i>Polymer Composites</i> , 2015, 36, 42-46.	4.6	11
158	B-site bismuth doping effect on structural, magnetic and magnetotransport properties of $\text{La}_{0.5}\text{Ca}_{0.5}\text{Mn}_{1-x}\text{Bi}_x\text{O}_3$. <i>Ceramics International</i> , 2015, 41, 2637-2647.	4.8	73
159	Specific heat and magnetocaloric effect studies in multiferroic YMnO_3 . <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 119, 1191-1198.	3.6	25
160	Structural, magnetic, thermodynamic, and transport properties of A-site disordered $\text{Nd}_{0.3}\text{Sm}_{0.2}\text{Sr}_{0.5}\text{MnO}_3$. <i>Journal of Thermal Analysis and Calorimetry</i> , 2015, 122, 145-150.	3.6	7
161	Growth and Structural Study of Cadmium Arachidate Multilayers Deposited by LB Technique. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015, 45, 560-566.	0.6	2
162	Magnetoresistance Of Heavy Fermion-like Compound $\text{Ce}(\text{Ni}_{1-x}\text{Cu}_x)_2\text{Al}_3$. <i>Advanced Materials Letters</i> , 2015, 6, 544-547.	0.6	1

#	ARTICLE	IF	CITATIONS
163	Colossal thermoelectric power in charge ordered lanthanum calcium manganites (La _{0.5} Ca _{0.5} MnO ₃). Journal of Applied Physics, 2014, 116, .	2.5	32
164	Magnetic field driven quantum critical phase transition in Ce ₃ Al. Materials Research Express, 2014, 1, 046114.	1.6	7
165	Reentrant spin-glass state in a geometrical frustrated multiferroic system: Role of disorder. Journal of Applied Physics, 2014, 115, 17E104.	2.5	2
166	Spin-glass-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
167	Effect of superconducting spacer layer thickness on magneto-transport and magnetic properties of La _{0.7} Sr _{0.3} MnO ₃ /YBa ₂ Cu ₃ O ₇ /La _{0.7} Sr _{0.3} MnO ₃ heterostructures. Journal of Applied Physics, 2014, 115, .	2.5	4
168	Study of photoconductivity in Ni doped CdS thin films prepared by spray pyrolysis technique. , 2014, , .		4
169	Calorimetric study of Skyrmonic chiral magnet MnSi. , 2014, , .		1
170	Optical and surface morphology study of zinc phthalocyanine Langmuir Blodgett thin film. AIP Conference Proceedings, 2014, , .	0.4	6
171	On the heat capacity of Ce ₃ Al. , 2014, , .		2
172	Critical roles of capping on the electrical resistivity of Ni nanoparticles. , 2014, , .		1
173	Structural, optical and electrical properties of CdS/polyaniline Langmuir-Blodgett films. , 2014, , .		0
174	Physical properties of electron beam evaporated CdTe and CdTe:Cu thin films. Journal of Applied Physics, 2014, 116, .	2.5	49
175	Preparation and characterization of transparent NiO thin films deposited by spray pyrolysis technique. Optik, 2014, 125, 6751-6756.	2.9	41
176	Structural, optical and electrical properties of Sb doped and undoped Ag _{1-x} G _x S ₂ and Ag ₅ S ₈ thin films. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 714-722.	1.8	3
177	Investigations on pseudogap semimetal CoSi. Materials Research Express, 2014, 1, 026503.	1.6	8
178	Effect of Ni _{0.5} Zn _{0.5} Fe ₂ O ₄ (NZFO) layer thickness on the magneto-electric properties of BaTiO ₃ (BTO)-NZFO composite bilayer thin films. Materials Research Express, 2014, 1, 026101.	1.6	7
179	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
180	Influence of surfactants on the electrical resistivity and thermopower of Ni nanoparticles. Materials Research Express, 2014, 1, 045014.	1.6	1

#	ARTICLE	IF	CITATIONS
181	Structural, spectroscopic and electrical studies of nanostructured porous ZnO thin films prepared by pulsed laser deposition. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 724-732.	3.9	38
182	Visible light catalysis of rhodamine B using nanostructured Fe ₂ O ₃ , TiO ₂ and TiO ₂ /Fe ₂ O ₃ thin films. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2014, 133, 90-98.	3.8	90
183	Effect of Mn doping on the structural and optical properties of ZrO ₂ thin films prepared by sol-gel method. <i>Thin Solid Films</i> , 2014, 550, 199-205.	1.8	52
184	Synthesis of SnO ₂ nanostructures by ultrasonic-assisted sol-gel method. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 69, 617-624.	2.4	17
185	Local structure around the flux pinning centers in superconducting niobium silicon oxynitride (Nb _{0.87} Si _{0.09} - _{0.04})(NO _{0.87} O _{0.13}). <i>Journal of Solid State Chemistry</i> , 2014, 210, 238-241.	2.9	9
186	Effect of cobalt doping on microstructural and optical properties of nickel oxide thin films. <i>Materials Science in Semiconductor Processing</i> , 2014, 23, 42-49.	4.0	53
187	Tuning of magnetic transition temperatures in nanoparticles of CoCr ₂ O ₄ multiferroic by B-site mixing. <i>Materials Research Bulletin</i> , 2014, 54, 78-83.	5.2	20
188	Structural, optical, electrical and low temperature thermoelectric properties of degenerate polycrystalline Cu ₇ S ₄ thin films. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 689-696.	1.5	21
189	Dynamics of roughening and growth kinetics of CdS-polyaniline thin films synthesized by the Langmuir-Blodgett technique. <i>RSC Advances</i> , 2014, 4, 32490-32503.	3.6	14
190	Structural, magnetic, and dielectric studies on Gd _{0.7} Y _{0.3} MnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2014, 26, 345901.	1.8	4
191	Anomalous giant positive magnetoresistance and heavy fermion like behaviour in Mn ₁₁ Ge ₈ . <i>Materials Research Express</i> , 2014, 1, 025047.	1.6	3
192	Optical and electrical properties and phonon drag effect in low temperature TEP measurements of AgSbSe ₂ thin films. <i>Journal of Semiconductors</i> , 2014, 35, 052001.	3.7	4
193	Preparation of nanocrystalline Sb doped PbS thin films and their structural, optical, and electrical characterization. <i>Superlattices and Microstructures</i> , 2014, 75, 601-612.	3.1	56
194	Tuning of TCO properties of ZnO by silver addition. <i>Superlattices and Microstructures</i> , 2014, 67, 97-109.	3.1	29
195	Nanoscale investigations on the surface topography, defect-substructure, dislocations and micromorphology of surfaces of Ba _x Sr _{1-x} (NO ₃) ₂ mixed crystals. <i>Journal of Crystal Growth</i> , 2014, 391, 7-12.	1.5	1
196	Effect of copper (Cu ²⁺) inclusion on the bioactivity and antibacterial behavior of calcium silicate coatings on titanium metal. <i>Journal of Materials Chemistry B</i> , 2014, 2, 846-858.	5.8	60
197	Fluctuation effects in the niobium oxynitride (Nb _{0.87} Si _{0.09} - _{0.04})(NO _{0.87} O _{0.13}) superconductor. <i>Superconductor Science and Technology</i> , 2014, 27, 085002.	3.5	8
198	Magnetotransport studies on GdBa ₂ Cu ₃ O ₇ superconducting film. , 2014, , .		4

#	ARTICLE	IF	CITATIONS
199	Investigation of the thermal properties on Dy ₅ Ge ₂ Si ₂ . Journal of Physics: Conference Series, 2014, 534, 012019.	0.4	0
200	Transport and calorimetric studies on CeNi ₂ Al ₃ . Journal of Physics: Conference Series, 2014, 534, 012039.	0.4	2
201	Superconductivity in partially filled skutterudite Pr _{0.5} Pt ₄ Ge ₁₂ . Journal of Physics: Conference Series, 2014, 534, 012040.	0.4	5
202	Persistence photo conductivity in Ni doped CdS. Journal of Physics: Conference Series, 2014, 534, 012046.	0.4	1
203	Structural Studies and Valence Band Splitting Parameters in Ordered Vacancy Compound AgGa ₇ Se ₁₂ . Journal of Inorganic and Organometallic Polymers and Materials, 2013, 23, 424-431.	3.7	5
204	Role of strain and microstructure in chemical solution deposited La _{0.7} Pb _{0.3} MnO ₃ manganite films: Thickness dependent swift heavy ions irradiation studies. Radiation Physics and Chemistry, 2013, 85, 173-178.	2.8	59
205	Effect of composition on structural and optical characteristics of nebulised spray pyrolysed (Bi ^x Sb ^{1-x}) ₂ S ₃ thin films. Superlattices and Microstructures, 2013, 57, 158-165.	3.1	4
206	Growth of fluorine doped SnO ₂ nanostructures by spin coating of ultrasonically prepared gel precursor. , 2013, , .		0
207	LUMINESCENT SILICON NANOSTRUCTURES VIA TIN OXIDE DOPING. Nano, 2013, 08, 1350008.	1.0	1
208	Photoconductivity of Cobalt Doped CdS Thin Films. Physics Procedia, 2013, 49, 190-198.	1.2	9
209	Processing of enriched elemental boron (10B ^{1/4} 65 ^{3/4} at. %). Materials Chemistry and Physics, 2013, 140, 335-342.	4.0	7
210	Effect of Substrate Orientation on Structural and Magnetic Properties of BiMnO ₃ Thin Films by RF Magnetron Sputtering. Physics Procedia, 2013, 49, 183-189.	1.2	4
211	Synthesis, Structural, Electrical and Magnetic Studies of Ni- Ferrite Nanoparticles. Physics Procedia, 2013, 49, 58-66.	1.2	16
212	SEM and AFM studies of dip-coated CuO nanofilms. Microscopy Research and Technique, 2013, 76, 58-65.	2.2	15
213	Carrier induced magnetism in dilute Fe doped Ge _{1-x} Sb _x thin films. Materials Chemistry and Physics, 2013, 143, 330-335.	4.0	23
214	Low temperature thermoelectric properties of Cu intercalated TiSe ₂ : a charge density wave material. Applied Physics A: Materials Science and Processing, 2013, 111, 465-470.	2.3	24
215	Compositional effect of antimony on structural, optical, and photoluminescence properties of chemically deposited (Cd _{1-x} Sb _x) ₂ S thin films. Superlattices and Microstructures, 2013, 59, 29-37.	3.1	14
216	Revival of martensitic instability in Ga doped Ni-Mn-In alloys. Intermetallics, 2013, 42, 56-61.	3.9	13

#	ARTICLE	IF	CITATIONS
217	Study of site-disorder in epitaxial magneto-electric GaFeO ₃ thin films. Applied Physics Letters, 2013, 102, 212401.	3.3	32
218	Enhancement of the ferromagnetic metallic phase fraction by extrinsic disorder in phase separated La _{5/8} Pr _{3/8} Ca _{3/8} MnO ₃ ($x = 0.45$) thin film. Journal of Physics Condensed Matter, 2013, 25, 175003.	1.8	12
219	Effect of deposition temperature on structural and optical properties of sprayed nickel oxide thin films. , 2013, , .		0
220	Effect of Sn substitution on structural and transport properties of (La _{0.67} Sr _{0.33})MnO ₃ . , 2013, , .		1
221	Room Temperature Ferromagnetism in Ti _{0.985} Co _{0.015} O ₂ Thin Films Grown by Pulsed Laser Deposition Technique. Materials Science Forum, 2013, 760, 1-7.	0.3	2
222	Synthesis of biocompatible nanoparticle drug complexes for inhibition of mycobacteria. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2013, 4, 045015.	1.5	1
223	Enhancement of Temperature and Field Coefficient of Resistance in CSD Grown Nanostructure La _{0.7} Ca _{0.3} MnO ₃ Thin Films. Journal of Nano Research, 2013, 24, 155-162.	0.8	8
224	Precursor state of skyrmions in MnSi: a heat capacity study. Physica Status Solidi - Rapid Research Letters, 2013, 7, 184-186.	2.4	19
225	Competing Kondo and e-e interaction in Ce _{2.1} Nd _{0.9} Al. , 2013, , .		0
226	Study of GaFeO ₃ thin films prepared by PLD. , 2013, , .		0
227	Azimuthal Angle Dependence Of Nanoripple Formation On Si(100) By Low Energy Ion Erosion. Advanced Materials Letters, 2013, 4, 398-401.	0.6	5
228	Local Electronic Structure Of Heavy-ion Irradiated Nano-crystalline Stoichiometric La _{0.8} Sr _{0.2} Mn _{0.8} Fe _{0.2} O ₃ Particles Using Highresolution Mössbauer Spectroscopy. Advanced Materials Letters, 2013, 4, 862-868.	0.6	1
229	Flow rate effect on surface morphology of Cu doped CdS thin film by spray pyrolysis technique. , 2012, , .		0
230	Transport study on 20% Co doped FeSi in zero field. , 2012, , .		0
231	The effect of strontium doping on the structural and magnetic transition of YMnO ₃ . , 2012, , .		3
232	Influence of polyvinylpyrrolidone on particle size of Ni nanoparticles preparation. AIP Conference Proceedings, 2012, , .	0.4	2
233	Electrical properties of Fe doped NiO thin films. , 2012, , .		0
234	Bulk-heterojunction morphology control during spin coating: Modelling diffusion assisted phase separation. Applied Physics Letters, 2012, 101, .	3.3	3

#	ARTICLE	IF	CITATIONS
235	Anomalous thermal expansion of Sb_2Te_3 topological insulator. Applied Physics Letters, 2012, 100, 251912.	3.3	39
236	Thermoelectric properties of transition metal intercalated layered TiSe_2 . , 2012, , .		1
237	Magnetotransport studies on polycrystalline MnSi . , 2012, , .		0
238	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
239	Synthesis and signature of M-E coupling in novel self-assembled $\text{CaCu}_3\text{Ti}_4\text{O}_{12}\text{-NiFe}_2\text{O}_4$ nanocomposite structure. Journal of Applied Physics, 2012, 111, 074302.	2.5	13
240	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
241	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
242	In-situ study of magnetic thin films on nanorippled Si (100) substrates. Applied Surface Science, 2012, 258, 4116-4121.	6.1	27
243	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
244	Carrier recombination in Cu doped CdS thin films: Photocurrent and optical studies. Applied Surface Science, 2012, 258, 5086-5093.	6.1	41
245	Optoelectronic and thermoelectric properties in Ga doped PbS_2 nanostructured thin films. Applied Surface Science, 2012, 258, 6257-6260.	6.1	14
246	Grain morphology and size disorder effect on the transport and magnetotransport in Sol-gel grown nanostructured manganites. Applied Surface Science, 2012, 258, 9041-9046.	6.1	83
247	Growth and characterization of nano-structured Sn doped ZnO. Journal of Molecular Structure, 2012, 1022, 8-15.	3.6	51
248	Transparent conducting indium molybdenum oxide films by pulsed laser ablation. Journal of Alloys and Compounds, 2012, 539, 63-68.	5.5	4
249	Optoelectronic and low temperature thermoelectric effects in the Cu_3Se_5 thin films. Physica Status Solidi (A) Applications and Materials Science, 2012, 209, 2195-2200.	1.8	7
250	Competing localization and quantum interference effects in $\text{Fe}_{0.9}\text{Co}_{0.1}\text{Si}$. Physica Status Solidi (B): Basic Research, 2012, 249, 2258-2262.	1.5	7
251	THERMAL AND MAGNETIC RESPONSE OF DIVALENT Sr DOPED HEXAGONAL YMnO_3 . Modern Physics Letters B, 2012, 26, 1250201.	1.9	6
252	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

#	ARTICLE	IF	CITATIONS
253	Improved crystallinity, spatial arrangement and monodispersity of submicron La _{0.7} Ba _{0.3} MnO ₃ powders: A citrate chelation approach. Journal of Magnetism and Magnetic Materials, 2012, 324, 3766-3772.	2.3	4
254	Effect of Co substitution on the magnetic properties of BiFeO ₃ . Journal of Magnetism and Magnetic Materials, 2012, 324, 4084-4089.	2.3	59
255	Low temperature thermal windowing (TW) thermally stimulated depolarization current (TSDC) setup. Measurement Science and Technology, 2012, 23, 025603.	2.6	4
256	Dielectric, magnetic, and thermodynamic properties of Y _{1-x} Sr _x MnO ₃ (x=0.1 and 0.2). Journal of Applied Physics, 2012, 112, .	2.5	35
257	Structural, optical, electrical, and low temperature thermoelectric studies on the ordered vacancy compound AgGa ₃ Se ₅ . Physica Status Solidi (B): Basic Research, 2012, 249, 1271-1276.	1.5	6
258	Superconductivity in Cu _{0.08} TiSe ₂ . , 2012, , .		3
259	Synthesis and Magnetic Properties of (Bi, Pb) ₂ Sr ₂ Ca ₂ Cu ₃ O _{10+δ} Superconductor. Journal of Superconductivity and Novel Magnetism, 2012, 25, 785-789.	1.8	5
260	Effect of Mn on the Surface Morphological Properties of (Bi, Pb) ₂ Sr ₂ Ca ₂ Cu _{3-x} Mn _x O _{10+δ} (Bi-2223) Superconductor. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1215-1221.	1.8	1
261	Thermal expansion of nanocrystalline boron carbide. Ceramics International, 2012, 38, 3723-3728.	4.8	25
262	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
263	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
264	Current-voltage characteristics of PLD grown manganite based ZnO/La _{0.5} Pr _{0.2} Sr _{0.3} MnO ₃ /SrNb _{0.002} Ti _{0.998} O ₃ thin film heterostructure. Solid State Communications, 2012, 152, 34-37.	1.9	50
265	Dielectric properties of DC reactive magnetron sputtered Al ₂ O ₃ thin films. Thin Solid Films, 2012, 520, 2689-2694.	1.8	60
266	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
267	Synthesis of nanocrystalline boron carbide from boric acid-sucrose gel precursor. Journal of Materials Science, 2012, 47, 1710-1718.	3.7	19
268	The Effect of Mn Substitution on Properties of Bi _{1.6} Pb _{0.4} Sr ₂ Ca _{2-x} Mn _x Cu ₃ O _y Superconductors. Journal of Superconductivity and Novel Magnetism, 2012, 25, 85-90.	1.8	5
269	Bioelectret state in aromatic amino acids: A Thermally Stimulated Depolarization Current study of phenylalanine, tyrosine and tryptophan. , 2011, , .		0
270	Pulsed laser ablation of zinc selenide in nitrogen ambience: Formation of zinc nitride films. Applied Surface Science, 2011, 257, 9269-9276.	6.1	14

#	ARTICLE	IF	CITATIONS
271	Study of microstructure and nanomechanical properties of Zr films prepared by pulsed magnetron sputtering. Applied Surface Science, 2011, 257, 9909-9914.	6.1	33
272	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
273	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
274	Surface morphology and physical properties of partially melt textured Mn doped Bi-2223. AIP Advances, 2011, 1, 032176.	1.3	0
275	Ag ¹⁵⁺ and O ⁷⁺ ion irradiation induced improvement in dielectric properties of the Ba(Co _{1/3} Nb _{2/3})O ₃ thin films. Materials Chemistry and Physics, 2011, 126, 660-664.	4.0	5
276	Significance of Al on the morphological and optical properties of Ti _{1-x} Al _x N thin films. Materials Chemistry and Physics, 2011, 130, 1033-1037.	4.0	18
277	Anisotropic magnetic properties and giant magnetocaloric effect in antiferromagnetic $R\text{MnO}$		

#	ARTICLE	IF	CITATIONS
289	Temperature Dependent Photosensitivity of Cu Doped CdS Thin Film. , 2011, , .		0
290	Effect of Cu-doping on Nanocrystalline NiO Thin Films. , 2011, , .		0
291	Shape and Size Effects on Magnetic Behavior of Nano-Crystalline (La,Sr)(Mn,Fe)O Perovskite Systems. , 2011, , .		0
292	Structural & Transport Properties of Nanostructured Nd[sub 0.7]Ca[sub 0.3]MnO[sub 3] Thin Films. , 2011, , .		0
293	Investigation of Cd-doped and Undoped ZnO Thin Films. , 2011, , .		0
294	2D Lowest Landau Level Scaling in FeTe[sub 0.5]Se[sub 0.5]. , 2011, , .		0
295	Possibility of Non Fermi Liquid Like States Co-exists With Superconductivity in Doubly Filled Skutterudites. , 2011, , .		1
296	Large Relative Cooling Power in Dy[sub 5]Si[sub 4]:Dy[sub 5]Si[sub 3] composite. , 2011, , .		0
297	Heat Capacity and Magnetocaloric Study on Dy[sub 5]Ge[sub 3]Si. , 2011, , .		0
298	Electrical Study of Se[sub 70]Te[sub 30]Pb[sub x] (X=6,8) Glass System. , 2011, , .		1
299	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
300	Magnetic anisotropy in nanocrystalline Co-doped ZnO thin films. Chemical Physics Letters, 2010, 487, 97-100.	2.6	32
301	Irradiation induced modifications in morphology and magnetic property of Mn/Si structure. Current Applied Physics, 2010, 10, 1137-1141.	2.4	3
302	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
303	Porous superhydrophobic silica films by sol-gel process. Microporous and Mesoporous Materials, 2010, 130, 115-121.	4.4	97
304	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
305	Effect of ZnO doping on the structural and optical properties of BaWO ₄ thin films prepared using pulsed laser ablation technique. Pramana - Journal of Physics, 2010, 75, 1157-1161.	1.8	1
306	Ultrahydrophobic silica films by sol-gel process. Journal of Porous Materials, 2010, 17, 565-571.	2.6	36

#	ARTICLE	IF	CITATIONS
307	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
308	The unusual electrical response in polyaniline-threonine composites. Materials Letters, 2010, 64, 2009-2011.	2.6	2
309	Effect of fuel injection timing and intake pressure on the performance of a DI diesel engine – A parametric study using CFD. Energy Conversion and Management, 2010, 51, 1835-1848.	9.2	127
310	Transparent water repellent silica films by sol-gel process. Applied Surface Science, 2010, 256, 3624-3629.	6.1	51
311	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
312	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
313	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
314	Structural and optical properties of β -alumina thin films prepared by pulsed laser deposition. Thin Solid Films, 2010, 518, 3898-3902.	1.8	45
315	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
316	Control on wetting properties of spin-deposited silica films by surface silylation method. Applied Surface Science, 2010, 256, 2115-2121.	6.1	36
317	Sliding behavior of water drops on sol-gel derived hydrophobic silica films. Applied Surface Science, 2010, 256, 3259-3264.	6.1	44
318	Growth dynamics of pulsed laser deposited indium oxide thin films: a substrate dependent study. Applied Surface Science, 2010, 256, 7091-7095.	6.1	21
319	Highly conductive and transparent laser ablated nanostructured Al: ZnO thin films. Applied Surface Science, 2010, 257, 708-716.	6.1	81
320	Observation of large-Dmagnetic phase in Sr ₃ NiPtO ₆ . Physical Review B, 2010, 82, .	3.2	18
321	Magnetotransport of La _{0.70} Ca _{0.3} \tilde{x} Sr _x MnO ₃ (Ag): A potential room temperature bolometer and magnetic sensor. Journal of Applied Physics, 2010, 107, .	2.5	50
322	Effect of Site Selective Doping of Co on the Physical and Structural-Micro structural Properties of Bi-Based High Temperature Superconductors. , 2010, , .		0
323	Inspection of multiferroicity in BiMn ₂ \tilde{x} Ti ₅ O ₅ ceramics through specific heat and Raman spectroscopic studies. Journal of Physics Condensed Matter, 2010, 22, 485901.	1.8	2
324	Surface free energy analysis for bipolar pulsed argon plasma treated polymer films. Journal of Physics: Conference Series, 2010, 208, 012107.	0.4	14

#	ARTICLE	IF	CITATIONS
325	Magnetocaloric effect in HoMnO ₃ crystal. Applied Physics Letters, 2010, 96, .	3.3	73
326	Colossal thermoelectric power in Gd-Sr manganites. Europhysics Letters, 2010, 91, 17008.	2.0	33
327	Resistive broadening in sulfur doped FeTe. Superconductor Science and Technology, 2010, 23, 075015.	3.5	22
328	Photoluminescence in laser ablated nanostructured indium oxide thin films. Journal of Alloys and Compounds, 2010, 489, 215-223.	5.5	50
329	Determination of the thermodynamic stability of TiB ₂ . Journal of Alloys and Compounds, 2010, 491, 747-752.	5.5	23
330	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
331	Intrinsic ferromagnetism and magnetic anisotropy in Gd-doped ZnO thin films synthesized by pulsed spray pyrolysis method. Journal of Applied Physics, 2010, 108, .	2.5	106
332	The magnetoresistance of a PrFeAsO _{1-x} F _y superconductor. Superconductor Science and Technology, 2009, 22, 095015.	3.5	19
333	Field-dependent competing magnetic ordering in multiferroic Ni ₃ V ₂ O ₈ . Europhysics Letters, 2009, 86, 57001.	2.0	13
334	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
335	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
336	Enhanced critical parameters of nanocarbon doped MgB ₂ superconductor. Journal of Applied Physics, 2009, 106, .	2.5	35
337	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
338	Effect of Molarity of Precursor Solution on Nanocrystalline Zinc Oxide Thin Films. Defect and Diffusion Forum, 2009, 293, 99-105.	0.4	5
339	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
340	Superhydrophobic silica films by sol-gel co-precursor method. Applied Surface Science, 2009, 256, 217-222.	6.1	190
341	Structural, optical and electrical properties of chemically deposited copper selenide films. Bulletin of Materials Science, 2009, 32, 37-42.	1.7	18
342	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

#	ARTICLE	IF	CITATIONS
343	Structural and optical characterization of pulsed laser ablated potassium lithium niobate thin films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 2801-2808.	1.8	0
344	Sub-micrometer thick CuInSe ₂ films for solar cells using sequential elemental evaporation. <i>Solar Energy</i> , 2009, 83, 964-968.	6.1	20
345	Low temperature heat capacity of Y _{1-x} Nd _x Co ₂ . <i>Solid State Communications</i> , 2009, 149, 168-171.	1.9	0
346	Manipulation of magnetic nanostructures through low temperature metal oxygen chemistry: Co/CoO exchange biased nanodisks and Co nanotips. <i>Solid State Communications</i> , 2009, 149, 277-280.	1.9	11
347	Creating surface nanostructures in GaAs by MeV Au ²⁺ ions. <i>Surface and Coatings Technology</i> , 2009, 203, 2490-2492.	4.8	2
348	Irradiation induced effects on Ni ₃ N/Si bilayer system. <i>Vacuum</i> , 2009, 83, 1448-1453.	3.5	13
349	Preparation of MTMS based transparent superhydrophobic silica films by sol-gel method. <i>Journal of Colloid and Interface Science</i> , 2009, 332, 484-490.	9.4	217
350	Magnetic and transport properties of Pr ₂ Pd ₃ Si ₅ . <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 2753-2756.	2.3	3
351	Microstructural, optical and spectroscopic studies of laser ablated nanostructured tantalum oxide thin films. <i>Applied Surface Science</i> , 2009, 255, 7126-7135.	6.1	40
352	Effect of substrate temperature on structural, optical and electrical properties of pulsed laser ablated nanostructured indium oxide films. <i>Applied Surface Science</i> , 2009, 255, 8334-8342.	6.1	117
353	Enhanced photoemission from nanoscale agglomerations in Li co-activated Y ₂ O ₃ :Eu ³⁺ thin films. <i>Journal of Alloys and Compounds</i> , 2009, 484, 377-385.	5.5	11
354	Growth and characterization of molybdenum oxide nanorods by RF magnetron sputtering and subsequent annealing. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 175305.	2.8	108
355	Frozen magnetostructural order in $Gd_{5-x}Mn_{x+4}M_{1-x}$ A calorimetric study. <i>Physical Review B</i> , 2009, 79, .	1.2	14
356	On the magneto structural transition in $NdCo_{2-x}$. <i>Journal of Physics: Conference Series</i> , 2009, 150, 042160.	0.4	2
357	Transport and Magnetotransport Studies on Sol-Gel Grown Nanostructured La _{0.7} Pb _{0.3} MnO ₃ Manganites. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 5681-5686.	0.9	54
358	Effect of ion beam irradiation on magnetic and structural properties of Pt/Cr/Co multilayers. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 1247-1251.	1.4	4
359	Structural, optical and morphological studies on laser ablated nanostructured WO ₃ thin films. <i>Applied Surface Science</i> , 2008, 254, 2369-2376.	6.1	109
360	Growth and characterization of indium oxide films. <i>Current Applied Physics</i> , 2008, 8, 120-127.	2.4	68

#	ARTICLE	IF	CITATIONS
361	Photoconductivity in Cd _{1-x} MnxS thin films prepared by spray pyrolysis technique. Solar Energy Materials and Solar Cells, 2008, 92, 1646-1651.	6.2	31
362	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
363	Preparation and characterization of sprayed In ₂ O ₃ :Mo films. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 1947-1951.	1.8	11
364	Low-temperature electrical resistivity of cupric telluride (CuTe) thin films. Physica Status Solidi (B): Basic Research, 2008, 245, 77-81.	1.5	22
365	Physically and chemically modified polycarbonate by metal ion implantation. Advances in Polymer Technology, 2008, 27, 143-151.	1.7	13
366	Positron annihilation spectroscopy and specific heat study of Neon ion irradiated MgB ₂ . Physics Letters, Section A: General, Atomic and Solid State Physics, 2008, 372, 1521-1526.	2.1	0
367	Swift heavy ion induced modification in dielectric and microhardness properties of polymer composites. Polymer Degradation and Stability, 2008, 93, 1088-1093.	5.8	25
368	Quenching of photoconductivity in Fe doped CdS thin films prepared by spray pyrolysis technique. Applied Surface Science, 2008, 254, 7042-7048.	6.1	63
369	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
370	Surface and transport studies on La _{0.7} Ba _{0.3} MnO ₃ :SnO ₂ bilayer. Applied Surface Science, 2008, 254, 4808-4812.	6.1	1
371	Structural and optical properties of AlN/Si system. Materials Science in Semiconductor Processing, 2008, 11, 126-130.	4.0	8
372	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
373	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
374	Physical property characterization of bulk MgB ₂ superconductor. European Physical Journal B, 2008, 62, 281-294.	1.5	29
375	Impurity band conduction in FeSi _{1-x} Al _x . Journal of Physics Condensed Matter, 2008, 20, 325238.	1.8	14
376	TSDC studies of relaxation in L-Asparagine Monohydrate. , 2008, , .		0
377	Do the grain boundaries of In ₂ S ₃ thin films have a role in sub-band-gap photosensitivity to 632.8nm?. Journal of Applied Physics, 2008, 103, .	2.5	36
378	Surfactant-mediated growth of nanostructured zinc oxide thin films via electrodeposition and their photoelectrochemical performance. Nanotechnology, 2008, 19, 325706.	2.6	85

#	ARTICLE	IF	CITATIONS
379	Field-induced first-order to second-order magnetic phase transition in SmB_2 . Physical Review B, 2008, 78, .	3.2	58
380	Anomalous thermoelectric power of the $\text{Mg}_{1-x}\text{Al}_x\text{B}_2$ system with $x = 0.0\text{--}1.0$. Journal of Physics Condensed Matter, 2008, 20, 095205.	1.8	8
381	Studies on spray deposited NiO/SDC composite films for solid oxide fuel cells. Journal of Alloys and Compounds, 2008, 460, 680-687.	5.5	10
382	Ion irradiation-induced modifications in the surface morphology of $\text{Ge}_{20}\text{Se}_{74}\text{Bi}_6$ thin films. Journal of Alloys and Compounds, 2008, 462, 452-455.	5.5	11
383	Effect of precursor concentration on the properties of ITO thin films. Journal of Alloys and Compounds, 2008, 464, 387-392.	5.5	57
384	Simple and precise thermoelectric power measurement setup for different environments. Review of Scientific Instruments, 2008, 79, 103907.	1.3	42
385	Modification of Polymer Composite by Proton Beam Irradiation. Soft Materials, 2008, 6, 75-84.	1.7	3
386	Grain Size Effect on Lattice of Ni Nanocrystals Prepared Through Polyol Method. Journal of Nanoscience and Nanotechnology, 2008, 8, 4127-4131.	0.9	12
387	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
388	The nucleation and growth mechanism of the electrodeposition of $\text{Tl}_{2-x}\text{Ba}_{2-x}\text{Ca}_2\text{Cu}_3\text{O}_{10}$ superconducting thin films on Al-substrate. Superconductor Science and Technology, 2008, 21, 065009.	3.5	4
389	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
390	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
391	Modified scaling of thermopower to heat capacity observed with low-temperature measurements in $\text{FeSi}_{1-x}\text{Al}_x$. Physical Review B, 2008, 78, .	3.2	13
392	Experimental study of magneto-superconductor $\text{RuSr}_2\text{Eu}_{1.5}\text{Ce}_{0.5}\text{Cu}_2\text{O}_{10}$: peculiar effect of Co doping on complex magnetism and T_c variation. Journal of Physics Condensed Matter, 2007, 19, 026203.	1.8	11
393	Characterization and hydrogenation of CeNi_5Cr_x ($x=0, 1, 2$) alloys. Journal of Alloys and Compounds, 2007, 430, 165-169.	5.5	25
394	Hydrogenation behaviour of Ce-based AB ₅ intermetallic compounds. Journal of Alloys and Compounds, 2007, 440, 84-88.	5.5	19
395	INVESTIGATION OF Fe -DOPED AND -UNDOPED NiO NANOCRYSTALLINE FILMS. Surface Review and Letters, 2007, 14, 1113-1119.	1.1	5
396	Synthesis of nanocrystalline diamonds by microwave plasma. Journal Physics D: Applied Physics, 2007, 40, 1794-1800.	2.8	9

#	ARTICLE	IF	CITATIONS
397	Optimization of the distance between source and substrate for device-grade SnS films grown by the thermal evaporation technique. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 306003.	1.8	25
398	Ion beam modification of nickel dimethylglyoxime dispersed polymer films. <i>Surface and Coatings Technology</i> , 2007, 201, 8225-8229.	4.8	8
399	Ellipsometric studies on cupric telluride thin films. <i>Vacuum</i> , 2007, 82, 72-77.	3.5	17
400	Surface modification study of low energy electron beam irradiated polycarbonate film. <i>Applied Surface Science</i> , 2007, 253, 5985-5991.	6.1	16
401	Synthesis, characterization and hydrogenation of ZrFe _{2-x} Ni _x ZrFe _{2-x} Ni _x (x=0.2,0.4,0.6,0.8) alloys. <i>International Journal of Hydrogen Energy</i> , 2007, 32, 3965-3971.	7.1	27
402	Experimental investigations of flow through conical diffusers with and without wake type velocity distortions at inlet. <i>Experimental Thermal and Fluid Science</i> , 2007, 32, 133-157.	2.7	19
403	Influence of SHI irradiation on the structure and surface topography of CdTe thin films on flexible substrate. <i>Journal of Materials Science: Materials in Electronics</i> , 2007, 18, 1093-1098.	2.2	29
404	Effect of post annealing treatment on electrochromic properties of spray deposited niobium oxide thin films. <i>Electrochimica Acta</i> , 2007, 52, 4899-4906.	5.2	42
405	Surface morphology and the phase formation at Cr/Si system. <i>Applied Surface Science</i> , 2007, 253, 4721-4726.	6.1	6
406	Transport and magnetic properties of conducting polyaniline doped with BX ₃ (X=F, Cl, and Br). <i>Physical Review B</i> , 2006, 73, .	3.2	11
407	Swift heavy ion induced surface modifications in nano-crystalline Li ⁺ Mg ferrite thin films. <i>Applied Surface Science</i> , 2006, 252, 8223-8228.	6.1	4
408	Anomalous lattice expansion of RuSr ₂ Eu _{1.5} Ce _{0.5} Cu ₂ O ₁₀ (Ru-1222) magneto superconductor: A low temperature X-ray diffraction study. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 445-448, 97-101.	1.2	3
409	Effect of disorder on the exponent in the coherence region in high temperature superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 443, 61-68.	1.2	28
410	Growth mechanism of MgB ₂ films in electrocrystallization process. <i>Physica C: Superconductivity and Its Applications</i> , 2006, 449, 73-79.	1.2	5
411	Shape transition of nanostructures created on Si(100) surfaces after MeV implantation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 244, 74-77.	1.4	3
412	Surface modification by swift (100MeV) Si ⁷⁺ and Au ⁷⁺ ions irradiation in n-GaAs. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 244, 149-152.	1.4	3
413	Surface modifications in single crystal surfaces of YBa ₂ Cu ₃ O ₇ upon high energy ion irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 244, 120-123.	1.4	2
414	Formation and Shape Transition of Nanostructures on Si(100) surfaces after MeV Sb Implantation. <i>Applied Surface Science</i> , 2006, 253, 1116-1121.	6.1	7

#	ARTICLE	IF	CITATIONS
415	Room temperature chemical synthesis of lead selenide thin films with preferred orientation. Applied Surface Science, 2006, 253, 930-936.	6.1	29
416	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
417	Characterization of surface deformation around Vickers indentations in InGaAsP epilayers on InP substrate. Applied Surface Science, 2006, 253, 2973-2977.	6.1	3
418	Ion beam modification and analysis of organometallics dispersed polymer films. Nuclear Instruments & Methods in Physics Research B, 2006, 244, 235-238.	1.4	8
419	Surface studies on 100MeV Ag ⁷⁺ ions and 150MeV Ni ¹¹⁺ ions irradiated nanocrystalline ferrite thin films. Nuclear Instruments & Methods in Physics Research B, 2006, 244, 34-39.	1.4	16
420	Formation of nanoscale metallic structures on cupric nitride thin film surface by the impact of 200MeV Au ¹⁵⁺ ions. Nuclear Instruments & Methods in Physics Research B, 2006, 248, 71-76.	1.4	7
421	Synthesis and physical characterization of superconductivity-magnetism crossover compound RuSr ₂ EuCeCu ₂ O ₁₀ . Solid State Communications, 2006, 138, 452-456.	1.9	4
422	Surface composition and electronic structure of Ni _{2+x} Mn _{1-x} Ga studied by X-ray photoelectron spectroscopy. Surface Science, 2006, 600, 3749-3752.	1.9	4
423	Effect of annealing on magnetic properties and silicide formation at Co/Si interface. Bulletin of Materials Science, 2006, 29, 647-651.	1.7	10
424	Magnetism, upper critical field and thermoelectric power of the magnetosuperconductor RuSr ₂ Eu _{1.5} Ce _{0.5} Cu ₂ O ₁₀ . Journal of Physics Condensed Matter, 2006, 18, 2563-2571.	1.8	16
425	Nitridation of porous GaAs by an ECR ammonia plasma. Plasma Sources Science and Technology, 2006, 15, 33-36.	3.1	5
426	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
427	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
428	Structural morphology of amorphous conducting carbon film. Bulletin of Materials Science, 2005, 28, 609-615.	1.7	16
429	Electrochemical deposition and characterization of CoFe ₂ O ₄ thin films. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, 85-94.	1.8	26
430	Particle induced X-ray emission spectroscopic (PIXE) and surface morphological (AFM) studies on electron beam evaporated WO ₃ thin films. Surface Engineering, 2005, 21, 315-319.	2.2	2
431	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
432	Systematic induction of superconductivity in the Cu (Y _{1-x} Cax)Ba ₂ Cu ₂ O ₆ +δ system by Ca substitution. Superconductor Science and Technology, 2005, 18, 716-720.	3.5	3

#	ARTICLE	IF	CITATIONS
433	Revival of superconductivity by Y ₃ Ca ₂ substitution in YBa ₂ Cu _{2.7} Co _{0.3} O ₇ without reported phase transformation. Journal of Applied Physics, 2005, 97, 10B104.	2.5	9
434	Resistivity and thermoelectric power of Na _x CoO ₂ (x=1.0, 0.7, and 0.6) system. Journal of Applied Physics, 2005, 97, 10A904.	2.5	11
435	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
436	MICROCRACKS IN ~ 100 MeV Si ⁷⁺ -ION-IRRADIATED p-SILICON SURFACES. Surface Review and Letters, 2004, 11, 265-269.	1.1	1
437	Evidence of plastic flow and recrystallization phenomena in swift (~100 MeV) Si ⁷⁺ ion irradiated silicon. Nuclear Instruments & Methods in Physics Research B, 2004, 222, 491-496.	1.4	27
438	Studies on modified anode polymer hydrogen sensor. Ionics, 2004, 10, 50-55.	2.4	12
439	Induction of superconductivity in Y _{0.4} Pr _{0.6} Ba _{2-x} Sr _x Cu ₃ O ₇ system with increasing Sr substitution. Physica C: Superconductivity and Its Applications, 2004, 417, 33-39.	1.2	3
440	Superconductivity with transition temperature up to 80 K for TbSr ₂ Cu _{2.7} Mo _{0.3} O ₇ . Solid State Communications, 2004, 129, 117-121.	1.9	7
441	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
442	Investigations of the electrical properties in CuInSe ₂ and the related ordered vacancy compounds. Semiconductor Science and Technology, 2004, 19, 798-806.	2.0	21
443	Novel electrochemical process for the deposition of nanocrystalline NiFe ₂ O ₄ thin films. Journal of Physics Condensed Matter, 2004, 16, 773-784.	1.8	23
444	AFM studies of swift heavy ion-irradiated surface modification in Si and GaAs. Radiation Measurements, 2003, 36, 671-674.	1.4	12
445	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
446	Analysis of CREVONA sodium loop material. Journal of Nuclear Materials, 2003, 312, 174-180.	2.7	20
447	SURFACE MODIFICATIONS IN SILICON (100) DUE TO ANTIMONY IMPLANTATION. , 2003, , .		0
448	Electroluminescence from heterojunctions of nanocrystalline CdS and ZnS with porous silicon. Journal of Applied Physics, 2002, 92, 2118-2124.	2.5	44
449	AFM study of swift gold ion irradiated silicon. Nuclear Instruments & Methods in Physics Research B, 2002, 187, 220-230.	1.4	29
450	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

#	ARTICLE	IF	CITATIONS
451	Molecular packing in cadmium and zinc arachidate LB multilayers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002, 198-200, 75-81.	4.7	16
452	XRD, SEM, AFM, HRTEM, EDAX and RBS studies of chemically deposited Sb ₂ S ₃ and Sb ₂ Se ₃ thin films. <i>Applied Surface Science</i> , 2002, 193, 1-10.	6.1	60
453	Magnetoelastic study of amorphous Fe _{90+x} Zr _{10-x} alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 250, 110-122.	2.3	6
454	Application of polymer electrolyte based hydrogen sensor to study corrosion of carbon steel in acid medium. <i>Corrosion Science</i> , 2001, 43, 1865-1875.	6.6	23
455	Photoluminescence and characteristics of a CdS-nanoparticles-porous-silicon heterojunction. <i>Nanotechnology</i> , 2001, 12, 290-294.	2.6	29
456	A novel method for the deposition of nanocrystalline Bi ₂ Se ₃ , Sb ₂ Se ₃ and Bi ₂ Se ₃ /Sb ₂ Se ₃ thin films by SILAR. <i>Applied Surface Science</i> , 2001, 182, 413-417.	6.1	49
457	Effect of substrate temperature on the physical properties of copper nitride films by r.f. reactive sputtering. <i>Surface and Coatings Technology</i> , 2001, 142-144, 1034-1039.	4.8	65
458	Unpinning of surface state at 0.92 eV by nanocrystalline ZnSe on GaAs. <i>Thin Solid Films</i> , 2001, 381, 69-72.	1.8	1
459	Microstructural study of iron nitride thin films deposited by ion beam sputtering. <i>Vacuum</i> , 2001, 60, 395-399.	3.5	17
460	Conversion Electron Mössbauer Study of Mixing Induced by Swift Heavy Ions at the Fe/Si Interface. <i>Hyperfine Interactions</i> , 2001, 133, 53-57.	0.5	7
461	Studies on the brush plated SnS thin films. <i>Journal of Materials Science Letters</i> , 2001, 20, 381-383.	0.5	19
462	Synthesis and characterization of ZnO thin films for UV laser. <i>Applied Surface Science</i> , 2001, 174, 232-239.	6.1	66
463	Nanoscale defect formation on InP surface by swift gold ion impact. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2001, 179, 37-41.	1.4	13
464	Nitrogen evolution from copper nitride films by MeV ion impact. <i>Radiation Effects and Defects in Solids</i> , 2001, 154, 151-163.	1.2	18
465	Er _{1-y} CayBa ₂ Cu _{3-x} (Fe, Zn) _x O _{7-δ} superconductors: a study of microstructure and resistive transitions in a dc magnetic field. <i>Superconductor Science and Technology</i> , 2001, 14, 937-943.	3.5	0
466	Single shot twin x-ray microscopic imaging using simultaneously produced laser-plasma x-ray sources. <i>Review of Scientific Instruments</i> , 2001, 72, 1421.	1.3	8
467	Temperature-dependent roughness of electronically excited InP surfaces. <i>Journal of Applied Physics</i> , 2001, 90, 5968-5972.	2.5	33
468	Dynamic scaling in growth of platinum films on Si(100). <i>Solid State Communications</i> , 2000, 114, 377-381.	1.9	21

#	ARTICLE	IF	CITATIONS
469	Deposition of thin films of different oxides of copper by RF reactive sputtering and their characterization. <i>Vacuum</i> , 2000, 57, 377-385.	3.5	119
470	Electronic excitation induced mass transport on 200 MeV $^{107}\text{Ag}^{+14}$ ion irradiated Si surface. <i>Journal of Applied Physics</i> , 2000, 87, 2742-2746.	2.5	50
471	Seebeck coefficient study on Mn-doped $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$. <i>Physical Review B</i> , 1999, 59, 7178-7183.	3.2	16
472	Deep levels in GaN grown by nitridation of GaAs (110) surface in a electron cyclotron resonance ammonia plasma. <i>Vacuum</i> , 1999, 55, 121-126.	3.5	11
473	Growth and characterization of oriented cadmium sulphide nanocrystals under Langmuir-Blodgett monolayer of arachidic acid. <i>Applied Physics A: Materials Science and Processing</i> , 1999, 69, 385-388.	2.3	5
474	Radiation induced modifications on microstructure and related properties of high temperature superconductor YBCO. <i>Nuclear Instruments & Methods in Physics Research B</i> , 1999, 156, 21-29.	1.4	8
475	Surface morphology of ion-irradiated Fe films. <i>Applied Physics A: Materials Science and Processing</i> , 1998, 66, S1137-S1139.	2.3	4
476	Effect of Cu-doping on the morphology of ZnTe films electrodeposited from nonaqueous bath. <i>Thin Solid Films</i> , 1998, 324, 78-84.	1.8	28
477	Corrosion of annealed AISI 316 stainless steel in sodium environment. <i>Journal of Nuclear Materials</i> , 1998, 256, 69-77.	2.7	34
478	Thermochemistry of ternary liquid Cu-Mg-Si alloys. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 1998, 29, 807-813.	2.1	6
479	Competition between RKKY and Kondo interactions in. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 4413-4422.	1.8	4
480	A fully automated precise measurement system for sound velocity and internal friction in solids down to liquid helium temperatures using the vibrating reed technique. <i>Review of Scientific Instruments</i> , 1997, 68, 3436-3441.	1.3	5
481	Structural and transport properties of high energy ion irradiated YBCO. <i>Vacuum</i> , 1997, 48, 983-988.	3.5	5
482	Partial thermodynamic properties of magnesium in ternary Cu-Mg-Si alloys. <i>Journal of Non-Crystalline Solids</i> , 1996, 205-207, 711-715.	3.1	5
483	A fully automated precise electrical resistance measurement system. <i>Review of Scientific Instruments</i> , 1996, 67, 2867-2870.	1.3	11
484	Structural and superconducting properties of melt-grown YBaCuO superconductors. <i>Journal of Materials Research</i> , 1996, 11, 2406-2415.	2.6	1
485	Radioactive Sodium Chemistry Loop for Activity Transport Studies and Meter Testing. , 1995, , 47-53.		1
486	Magnetic shielding behavior of YBCO cylinders? A universal scaling property. <i>Journal of Superconductivity and Novel Magnetism</i> , 1994, 7, 889-891.	0.5	0

#	ARTICLE	IF	CITATIONS
487	Synthesis and characterisation of a new 8 OK superconductor (Y, Gd) Ba ₂ Ca ₃ Cu ₄ O ₁₁ . Physica B: Condensed Matter, 1994, 194-196, 1611-1612.	2.7	0
488	Critical exponent of the electrical conductivity in the para coherence region of a thin film of YBa ₂ Cu ₃ O _{7-δ} . Bulletin of Materials Science, 1994, 17, 585-594.	1.7	6
489	Magnetic shielding using high-temperature superconductors. Bulletin of Materials Science, 1994, 17, 87-93.	1.7	2
490	Critical current density of a sample of melt grown YBCO. Solid State Communications, 1993, 87, 1077-1080.	1.9	0
491	Magnetic shielding studies using cylinders of YBa ₂ Cu ₃ O _{7-δ} prepared by isostatic compression. Solid State Communications, 1993, 87, 1081-1085.	1.9	2
492	Critical current density of a sample of melt grown Y _{1.2} Ba _{1.8} Cu _{2.4} O _x . Pramana - Journal of Physics, 1993, 41, 61-66.	1.8	2
493	Superconductivity in a new NdBa ₂ Ca ₃ Sr ₄ Cu ₅ O _x system. Phase Transitions, 1993, 42, 251-258.	1.3	1
494	Temperature variation of the Debye-Waller factors of metal and halide ions in CsCl-Br solid solutions between room temperature and 90Å°K by powder X-ray diffraction. Pramana - Journal of Physics, 1988, 30, 407-417.	1.8	1
495	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 Cl ⁻ ions in CsCl from room temperature to 90Å°K. Pramana - Journal of Physics, 1988, 30, 331-336.	1.8	3
496	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 Br ⁻ ions in CsBr from room temperature to 78.2Å°K. Pramana - Journal of Physics, 1988, 30, 337-340.	1.8	2
497	Anomalous variation of the lattice parameter of a sample of YBa ₂ Cu ₃ O _{7-δ} through the superconducting transition. Physical Review B, 1988, 38, 889-892.	3.2	44
498	Precise lattice parameter measurements in CsCl-Br solid solutions between room temperature and 90Å°K by powder x-ray diffraction. Pramana - Journal of Physics, 1987, 28, 73-79.	1.8	1
499	Lattice parameter and thermal expansion of CsCl and CsBr by x-ray powder diffraction. I. Thermal expansion of CsCl from room temperature to 90Å° K. Pramana - Journal of Physics, 1986, 27, 469-474.	1.8	13
500	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 Å°K. Pramana - Journal of Physics, 1986, 27, 475-478.	1.8	8
501	A simple and sensitive apparatus for Seebeck coefficient measurement down to 77 K. , 0, , .		0
502	Sonochemical Synthesis of Poly (Methyl Acrylate). Solid State Phenomena, 0, 136, 175-190.	0.3	1
503	Mapping of Magnetic Domains by MFM in Ni₂MnGa. Advanced Materials Research, 0, 52, 115-119.	0.3	2
504	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
505	Domain Structures across the Martensitic Transformation in $\text{Ni}_{2+x}\text{Mn}_{1-x}\text{Ga}$. Materials Science Forum, 0, 635, 69-74.	0.3	0
506	Experimental and Theoretical Investigations of Fe-Doped Hexagonal MnNiGe. ACS Omega, 0, , .	3.5	1