

Sujeet Chaudhary

List of Publications by Year in descending order

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3329
citing authors

#	ARTICLE	IF	CITATIONS
1	First-order transition from antiferromagnetism to ferromagnetism in $\text{Ce}(\text{Fe}_{0.96}\text{Al}_{0.04})_2$. Physical Review B, 2001, 64, .	1.1	119
2	Spin-polarized tunneling in the half-metallic ferromagnets $\text{La}_{0.7-x}\text{Ho}_x\text{Sr}_{0.3}\text{MnO}_3$ ($x=0$ and 1). Physical Review B, 2001, 64, .	1.1	117
3	Room temperature ferromagnetism in Mn doped TiO_2 thin films: Electronic structure and Raman investigations. Journal of Applied Physics, 2011, 109, 083905.	1.1	91
4	High temperature ferromagnetism in Mn-doped SnO_2 nanocrystalline thin films. Journal of Applied Physics, 2007, 102, 113513.	1.1	76
5	Growth of Co_2FeAl Heusler alloy thin films on Si(100) having very small Gilbert damping by Ion beam sputtering. Scientific Reports, 2016, 6, 28692.	1.6	73
6	Raman studies of ZnO:Co thin films. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 112-117.	0.8	67
7	Interfacial Charge Induced Magnetoelectric Coupling at $\text{BiFeO}_3/\text{BaTiO}_3$ Bilayer Interface. ACS Applied Materials & Interfaces, 2015, 7, 8472-8479.	4.0	63
8	A comparative study on the structure and properties of nanolayered TiN/NbN and TiAlN/TiN multilayer coatings prepared by reactive direct current magnetron sputtering. Thin Solid Films, 2006, 503, 158-166.	0.8	59
9	Growth and characterization of $\text{TiAlN}/\text{CrAlN}$ superlattices prepared by reactive direct current magnetron sputtering. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2009, 27, 29-36.	0.9	55
10	Large spin current generation by the spin Hall effect in mixed crystalline phase Ta thin films. Physical Review B, 2018, 98, .	1.1	54
11	On the room-temperature ferromagnetism in $(\text{ZnO})_{0.98}(\text{MnO}_2)_{0.02}$. Solid State Communications, 2005, 136, 384-388.	0.9	49
12	Temperature-dependent Gilbert damping of Co/MnO_2 thin films with different degree of atomic order. Physical Review B, 2017, 96, .	1.2	48
13	In-plane magnetic anisotropy and coercive field dependence upon thickness of CoFeB . Journal of Magnetism and Magnetic Materials, 2012, 324, 3118-3121.	1.0	45
14	Cobalt-substituted SnO_2 thin films: A transparent ferromagnetic semiconductor. Journal of Applied Physics, 2006, 99, 126106.	1.1	44
15	Giant magnetoelectric coupling interaction in $\text{BaTiO}_3/\text{BiFeO}_3/\text{BaTiO}_3$ trilayer multiferroic heterostructures. Applied Physics Letters, 2015, 107, .	1.5	43
16	Anomalous anti-damping in sputtered Ta/Py bilayer system. Scientific Reports, 2016, 6, 19488.	1.6	41
17	Highly crystalline p-PbS thin films with tunable optical and hole transport parameters by chemical bath deposition. Acta Materialia, 2017, 131, 11-21.	3.8	41
18	Emergence of spin-orbit torques in 2D transition metal dichalcogenides: A status update. Applied Physics Reviews, 2020, 7, .	5.5	41

#	ARTICLE	IF	CITATIONS
19	First-order transition from ferromagnetism to antiferromagnetism in Ce _{0.96} Al _{0.04} 2: A magnetotransport study. <i>Physical Review B</i> , 2002, 65, .	1.1	40
20	High conductivity indium doped ZnO films by metal target reactive co-sputtering. <i>Acta Materialia</i> , 2016, 111, 1-9.	3.8	38
21	Dependence of spin pumping in W/CoFeB heterostructures on the structural phase of tungsten. <i>Physical Review B</i> , 2019, 99, .	1.1	35
22	Magnetocaloric effect in La _{1-x} Sr _x CoO ₃ (0.05 ≤ x ≤ 0.40). <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 202, 47-52.	1.0	34
23	Observation of room temperature ferromagnetism in nanocrystalline ZnO-Co system. <i>Journal Physics D: Applied Physics</i> , 2006, 39, 4909-4914.	1.3	34
24	Intrinsic and extrinsic origin of room temperature ferromagnetism in ZnO:Co (5at.%). <i>Journal of Applied Physics</i> , 2007, 101, 103919.	1.1	33
25	Thickness-dependent enhancement of damping in $C_{xO_{1-2x}}/FeAl$ thin films. <i>Physical Review B</i> , 2018, 97, .	1.1	33
26	DC-magnetisation studies in the La _{1-x} Sr _x CoO ₃ (x ≤ 0.4) system. <i>Journal of Alloys and Compounds</i> , 2001, 326, 112-116.	2.8	32
27	Peak effect in CeRu ₂ : History dependence and supercooling. <i>Physical Review B</i> , 2000, 62, 9191-9199.	1.1	31
28	Magnetoelectric coupling-induced anisotropy in multiferroic nanocomposite (1-x)BiFeO ₃ -xBaTiO ₃ . <i>Journal of Nanoparticle Research</i> , 2013, 15, 1.	0.8	31
29	Large Damping-Like Spin-Orbit Torque in a 2D Conductive 1T-TaS ₂ Monolayer. <i>Nano Letters</i> , 2020, 20, 6372-6380.	4.5	31
30	Hydrogen incorporation induced metal-semiconductor transition in ZnO:H thin films sputtered at room temperature. <i>Applied Physics Letters</i> , 2013, 102, 172106.	1.5	30
31	Spin pumping in ion-beam sputtered $C_{xO_{1-2x}}/FeAl$ bilayers: Interfacial Gilbert damping. <i>Physical Review B</i> , 2018, 97, .	1.1	30
32	Enhanced photoelectrochemical response for hydrogen generation in self-assembled aligned ZnO/PbS core/shell nanorod arrays grown by chemical bath deposition. <i>Materials Today Energy</i> , 2017, 6, 105-114.	2.5	29
33	Spin pumping in the Heusler alloy $C_{xO_{1-2x}}/FeAl$ heterostructure: Ferromagnetic resonance experiment and theory. <i>Physical Review B</i> , 2018, 98, .	1.1	29
34	Revisiting the thermoelectric properties of lead telluride. <i>Materials Today Energy</i> , 2021, 21, 100713.	2.5	28
35	Cobalt substituted ZnO thin films: a potential candidate for spintronics. <i>Journal of Materials Science: Materials in Electronics</i> , 2008, 19, 849-854.	1.1	27
36	Large Damping-like Spin-Orbit Torque and Improved Device Performance Utilizing Mixed-Phase Ta. <i>ACS Applied Electronic Materials</i> , 2021, 3, 3139-3146.	2.0	26

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37	Incorporation of MoS ₂ nanosheets in CoSb ₃ matrix as an efficient novel strategy to enhance its thermoelectric performance. Applied Surface Science, 2018, 435, 1265-1272.	3.1	26
38	Magnetic response of Fe _{1-x} Co _x Si alloys: A detailed study of magnetization and magnetoresistance. Physical Review B, 2002, 66, .	1.1	24
39	Metamagnetic transition in Ce(Fe _{0.96} Al _{0.04}) ₂ : a dc magnetization study. Journal of Physics Condensed Matter, 2002, 14, 4477-4490.	0.7	24
40	Large Spin Hall Angle in \hat{I}^2 -W Thin Films Grown on CoFeB without Oxygen Plasma. Spin, 2018, 08, 1850018.	0.6	24
41	Magnetic properties of Fe _{1-x} Co _x Si alloys. Physical Review B, 2002, 65, .	1.1	23
42	Temperature dependent charge transport mechanisms in highly crystalline p-PbS cubic nanocrystals grown by chemical bath deposition. Materials Science in Semiconductor Processing, 2018, 75, 301-310.	1.9	23
43	Thermomagnetic history effects in SmMn ₂ Ge ₂ . Physical Review B, 2002, 66, .	1.1	22
44	Structure and properties of reactive direct current magnetron sputtered niobium aluminum nitride coatings. Journal of Materials Research, 2008, 23, 1258-1268.	1.2	22
45	Effect of hydrogen peroxide treatment on the electrical characteristics of Au/ZnO epitaxial Schottky diode. Materials Science in Semiconductor Processing, 2011, 14, 1-4.	1.9	22
46	Electric field assisted sputtering of Fe ₃ O ₄ thin films and reduction in anti-phase boundaries. Journal of Applied Physics, 2012, 112, .	1.1	22
47	Two magnon scattering and anti-damping behavior in a two-dimensional epitaxial TiN/Py(t _{Py})/ \hat{I}^2 -Ta(t _{Ta}) system. RSC Advances, 2017, 7, 8106-8117.	1.7	22
48	Observation of Skyrmions at Room Temperature in Co ₂ FeAl Heusler Alloy Ultrathin Film Heterostructures. Scientific Reports, 2019, 9, 1085.	1.6	22
49	Direct observation of unusual interfacial Dzyaloshinskii-Moriya interaction in graphene/NiFe/Ta heterostructures. Physical Review B, 2019, 99, .	1.1	22
50	High temperature investigation of the magnetization behavior in cobalt substituted ZnO. Journal of Applied Physics, 2007, 101, 033902.	1.1	21
51	Evidence of electron-phonon and spin-phonon couplings at the Verwey transition in Fe ₃ O ₄ . Physical Review B, 2014, 90, .	1.1	21
52	Comparison of high temperature growth versus post-deposition in situ annealing in attaining very low Gilbert damping in sputtered Co ₂ FeAl Heusler alloy films. Journal of Magnetism and Magnetic Materials, 2021, 519, 167509.	1.0	21
53	Positive exchange bias in <i>as-deposited</i> ion-beam sputtered IrMn/CoFeB system. Journal of Applied Physics, 2011, 110, .	1.1	20
54	Structural, electronic, and magnetic behavior of two dimensional epitaxial Fe ₃ O ₄ /TiN/Si(100) system. Applied Physics Letters, 2013, 102, 152406.	1.5	20

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55	Magnetolectric dipole interaction in RF-magnetron sputtered $(1-x)$ BiFeO ₃ -xBaTiO ₃ thin films. Journal of Alloys and Compounds, 2015, 638, 115-120.	2.8	20
56	Anomalous Hall effect in ion-beam sputtered Co ₂ FeAl full Heusler alloy thin films. Journal of Magnetism and Magnetic Materials, 2017, 442, 288-294.	1.0	20
57	Spin pumping and spin torques in interfacially tailored $C_{1-x}O_x$ /FeAl/Ta layers. Physical Review B, 2019, 100, .	1.1	20
58	Interdependence of reversal asymmetry and training effect in Ir ₂₂ Mn ₇₈ /Ni ₈₁ Fe ₁₉ bilayers probed with magnetoresistance. Applied Physics Letters, 2012, 101, .	1.5	19
59	Reduction in anti-ferromagnetic interactions in ion-beam deposited Fe ₃ O ₄ thin films. Journal of Applied Physics, 2012, 111, .	1.1	19
60	Effect of Ru thickness on spin pumping in Ru/Py bilayer. Journal of Applied Physics, 2015, 117, .	1.1	19
61	On the temperature dependence of mobility in hydrogenated indium-doped ZnO thin films. Acta Materialia, 2014, 77, 125-132.	3.8	18
62	Orbital moment probed spin orbit coupling effects on anisotropy and damping in CoFeB thin films. RSC Advances, 2016, 6, 94717-94722.	1.7	18
63	Growth dependent magnetization reversal in Co ₂ MnAl full Heusler alloy thin films. Journal of Applied Physics, 2018, 123, 053901.	1.1	18
64	Effect of 2D MoS ₂ and Graphene interfaces with CoSb ₃ nanoparticles in enhancing thermoelectric properties of 2D MoS ₂ -CoSb ₃ and Graphene-CoSb ₃ nanocomposites. Ceramics International, 2018, 44, 10628-10634.	2.3	18
65	On the superconductivity in in situ synthesized MgB ₂ tapes. Journal of Physics and Chemistry of Solids, 2008, 69, 1945-1950.	1.9	17
66	Magnetic, Electronic Structure And Interface Study Of Fe/MgO/Fe Multilayer. Advanced Materials Letters, 2014, 5, 372-377.	0.3	17
67	Influence of annealing temperature and capping layer on the structural, magnetic and transport properties of ion beam sputtered Co ₂ FeAl thin films on Si (1 0 0). Applied Surface Science, 2022, 572, 151423.	3.1	17
68	The anomalous mixed state of the C15 Laves phase superconductor : a magnetization study. Journal of Physics Condensed Matter, 1998, 10, 4885-4900.	0.7	16
69	Extrinsic nature of the room temperature ferromagnetism in $(ZnO)_{1-x}(MnO_2)_x$ for. Solid State Communications, 2006, 140, 23-27.	0.9	16
70	Electrodeposition and characterization of Cu/Co multilayers: Effect of individual Co and Cu layers on GMR magnitude and behavior. Journal of Magnetism and Magnetic Materials, 2009, 321, 974-978.	1.0	16
71	On the Residual Resistivity Ratio in MgB_2 Superconductors. IEEE Transactions on Applied Superconductivity, 2010, 20, 26-32.	1.1	16
72	Structural and dynamical magnetic response of co-sputtered Co ₂ FeAl heusler alloy thin films grown at different substrate temperatures. Journal of Applied Physics, 2014, 115, .	1.1	16

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73	Self-Assembled Vertically Aligned Hetero-Epitaxial ZnO/CdS Core/Shell Array by all CBD Process: Platform for Enhanced Visible-Light-Driven PEC Performance. Journal of Physical Chemistry C, 2018, 122, 14408-14419.	1.5	16
74	Multi-jump magnetization switching in Co ₂ FeAl full Heusler alloy thin films: Experiments and simulations. Journal of Magnetism and Magnetic Materials, 2019, 486, 165258.	1.0	16
75	The anomalous mixed state of the C15-Laves phase superconductor : II. History dependence in field-cooled magnetization hysteresis. Journal of Physics Condensed Matter, 1998, 10, 8327-8340.	0.7	15
76	Texture Changes in Electrodeposited Cobalt Nanowires with Bath Temperature. Journal of the Electrochemical Society, 2012, 159, D713-D716.	1.3	15
77	Deposition potential controlled structural and thermoelectric behavior of electrodeposited CoSb ₃ thin films. RSC Advances, 2017, 7, 20336-20344.	1.7	15
78	Antidamping spin-orbit torques in epitaxial-Py(100)/ Ta . Applied Physics Letters, 2017, 111, .	1.5	15
79	Interplay of composition and anisotropy on evolution of microstructural, static and dynamic magnetic properties of CoFeB thin films on annealing. Journal of Alloys and Compounds, 2018, 763, 728-735.	2.8	15
80	Magnetic ordering in Fe ₂ ^x Zn _x MoO ₄ (X=0.1-1) spinel. Journal of Magnetism and Magnetic Materials, 2001, 223, 39-49.	1.0	14
81	X-ray reflectance studies of interface in ion beam sputtered CoFeB/MgO bilayers. Applied Physics Letters, 2011, 98, .	1.5	14
82	Magnetization reversal studies in structurally tailored cobalt nanowires. Journal of Magnetism and Magnetic Materials, 2013, 344, 72-78.	1.0	14
83	Impact of ferromagnetic layer thickness on the spin pumping in Co ₆₀ Fe ₂₀ B ₂₀ /Ta bilayer thin films. Journal of Materials Science: Materials in Electronics, 2021, 32, 12453-12465.	1.1	14
84	Large Dzyaloshinskii-Moriya interaction and atomic layer thickness dependence in a ferromagnet-heterostructure. Physical Review B, 2022, 105, .	1.1	14
85	X-ray photoelectron spectroscopy and conducting atomic force microscopy investigations on dual ion beam sputtered MgO ultrathin films. Thin Solid Films, 2012, 520, 6734-6739.	0.8	13
86	Investigation of interface properties of sputter deposited TiN/CrN superlattices by low angle x-ray reflectivity. Journal Physics D: Applied Physics, 2008, 41, 205409.	1.3	12
87	Tunneling behavior in ion-assist ion-beam sputtered CoFe/MgO/NiFe magnetic tunnel junctions. Materials Research Bulletin, 2012, 47, 3786-3790.	2.7	12
88	Surface scattering dominated magnetotransport for improved quantitative estimation of particle size in Ag ₁₀₀ ^x Cox nanogranular films. Journal of Magnetism and Magnetic Materials, 2014, 370, 127-133.	1.0	12
89	Electronic structure of magnetic Fe/MgO/Fe/Co multilayer structure by NEXAFS spectroscopy. Vacuum, 2017, 138, 48-54.	1.6	12
90	Direct measurement of interfacial Dzyaloshinskii-Moriya interaction at the MoS ₂ /Ni ₈₀ Fe ₂₀ interface. Applied Physics Letters, 2020, 116, .	1.5	12

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91	A study of room-temperature ferromagnetism in transition metal and fluorine-doped spray-pyrolyzed SnO ₂ thin films. Journal of Magnetism and Magnetic Materials, 2009, 321, 957-962.	1.0	11
92	Peak effect in the vortex state of V ₃ Si: a study of history dependence. Physica C: Superconductivity and Its Applications, 2001, 353, 29-37.	0.6	10
93	Evidence of carrier mediated room temperature ferromagnetism in transparent semiconducting Sn _{1-x} Co _x O ₂ thin films. Journal of Physics Condensed Matter, 2008, 20, 125208.	0.7	10
94	Investigations of DC-magnetization behavior of nanocrystalline ZnO:Ni. Journal of Alloys and Compounds, 2010, 508, 419-425.	2.8	10
95	DC magnetization investigations in Ti _{1-x} Mn _x O ₂ nanocrystalline powder. Journal of Alloys and Compounds, 2011, 509, 7434-7438.	2.8	10
96	Capping Layer (CL) Induced Antidamping in CL/Py/I ₂ -W System (CL: Al, I ₂ -Ta, Cu, I ₂ -W). ACS Applied Materials & Interfaces, 2017, 9, 31005-31017. Spin gapless semiconducting behavior in inverse Heusler Mn₂Co_{1+x}Al (0<math>x</math>). <i>Journal of Applied Physics</i>, 2021, 124, 104301.	4.0	10
97		1.0	10
98	Effect of stoichiometry and film thickness on the structural and magnetization dynamics behavior of Co ₂ MnAl thin films cosputtered on Si(1 0 0). Journal of Magnetism and Magnetic Materials, 2022, 552, 169246.	1.0	10
99	On the Superconductivity and Mg Outdiffusion in Vacuum-Synthesized MgB_2 Samples. IEEE Transactions on Applied Superconductivity, 2010, 20, 2390-2396.	1.1	9
100	Transition in spin dependent transport from superparamagnetic-superparamagnetic to superparamagnetic-ferromagnetic in sputtered Cu _{100-x} Co _x granular films. Journal of Applied Physics, 2012, 112, .	1.1	9
101	Enhancing thermoelectric properties of p-type CoSb ₃ skutterudite by Fe doping. Materials Science in Semiconductor Processing, 2021, 127, 105721.	1.9	9
102	Investigation of spin gapless semiconducting behaviour in quaternary CoFeMnSi Heusler alloy thin films on Si (1 0 0). Journal of Magnetism and Magnetic Materials, 2022, 547, 168837.	1.0	9
103	Large exchange bias and spin pumping in ultrathin IrMn/Co system for spintronic device applications. Applied Surface Science, 2022, 588, 152914.	3.1	9
104	Weak antilocalization and electron-electron interactions in topological insulator Bi_2Te_3 thin films deposited by sputtering on Si(100). Physical Review Materials, 2022, 6, .		
105	Impact of Argon working pressure on the magnetic properties of sputtered Co ₆₀ Fe ₂₀ B ₂₀ thin films. Thin Solid Films, 2022, 756, 139355.	0.8	9
106	First-order metamagnetic transition in CeFe ₂ -based pseudobinary alloys. Journal of Physics Condensed Matter, 2000, 12, 9645-9655.	0.7	8
107	On the study of phase formation and critical current density in superconducting MgB ₂ . Bulletin of Materials Science, 2006, 29, 207-211.	0.8	8
108	Effect of MgO spacer and annealing on interface and magnetic properties of ion beam sputtered NiFe/Mg/MgO/CoFe layer structures. Journal of Applied Physics, 2012, 112, 063906.	1.1	8

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109	Multi-jump magnetic switching in ion-beam sputtered amorphous Co ₂₀ Fe ₆₀ B ₂₀ thin films. Journal of Applied Physics, 2013, 114, .	1.1	8
110	Magnetic annealing of the ion-beam sputtered IrMn/CoFeB bilayers – positive exchange bias and coercivity behaviour. European Physical Journal B, 2013, 86, 1.	0.6	8
111	Effect of interface on magnetic properties of Co ₂₀ Fe ₆₀ B ₂₀ in ion-beam sputtered Si/CoFeB/MgO and Si/MgO/CoFeB bilayers. Journal of Magnetism and Magnetic Materials, 2013, 332, 109-113.	1.0	8
112	Enhancement of exchange bias and training effect in ion-beam sputtered Fe ₄₆ Mn ₅₄ /Ni ₈₁ Fe ₁₉ bilayers. Journal of Applied Physics, 2014, 115, 043910.	1.1	8
113	Effect of growth temperature on structural, magnetic, and transport properties of Co ₂ Cr _{0.6} Fe _{0.4} Al Heusler alloy sputtered thin films. Journal of Applied Physics, 2015, 117, .	1.1	8
114	Influence of annealing on spin pumping in sputtered deposited Co/Pt bilayer thin films. Physica B: Condensed Matter, 2019, 570, 254-258.	1.3	8
115	On the anomalous pinning properties of the C15 Laves phase superconductor CeRu ₂ . Superconductor Science and Technology, 1999, 12, 308-314.	1.8	7
116	Nonequilibrium behaviour in the field-cooled magnetization of the C15 Laves-phase superconductor CeRu ₂ . Solid State Communications, 1999, 109, 427-432.	0.9	7
117	Anomalous magnetization in the superconducting mixed state of CeRu ₂ : a study with vibrating sample magnetometer. Physica C: Superconductivity and Its Applications, 1999, 322, 115-122.	0.6	7
118	Interesting thermomagnetic history effects in the antiferromagnetic state of SmMn ₂ Ge ₂ . Journal of Physics Condensed Matter, 2002, 14, 9779-9784.	0.7	7
119	Magnetization dynamics and interface studies in ion-beam sputtered Si/CoFeB(8)/MgO(4)/CoFeB(8)/Ta(5) structures. Journal of Applied Physics, 2014, 115, .	1.1	7
120	Effect of growth temperature on the electronic transport and anomalous Hall effect response in co-sputtered Co ₂ FeSi thin films. Journal of Applied Physics, 2015, 118, .	1.1	7
121	Interactions controlled evolution of complex magnetoresistance in as-deposited Ag ₁₀₀ ~Co nanogranular films with perpendicular magnetic anisotropy. Journal of Magnetism and Magnetic Materials, 2015, 394, 245-252.	1.0	7
122	Perpendicular magnetic anisotropy and complex magnetotransport behavior of cobalt nanoparticles in silver matrix. Journal of Applied Physics, 2015, 117, .	1.1	7
123	Effect of oxygen partial pressure on the density of antiphase boundaries in Fe ₃ O ₄ thin films on Si(100). Journal of Magnetism and Magnetic Materials, 2018, 448, 303-309.	1.0	7
124	History dependence of peak effect in CeRu and VSi: an analogy with the random field Ising systems. Solid State Communications, 2000, 114, 5-8.	0.9	6
125	Investigations of the first order magnetic phase transition in dysprosium. Solid State Communications, 2004, 132, 293-297.	0.9	6
126	Effect of indium incorporation in Zn _{1-x} CoxO thin films. Journal of Magnetism and Magnetic Materials, 2009, 321, 966-970.	1.0	6

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127	Observation of room temperature ferromagnetism in spray pyrolyzed polycrystalline $\text{Ti}_{1-x}\text{Co}_x\text{O}_2$ thin films. Journal Physics D: Applied Physics, 2010, 43, 015007.	1.3	6
128	Biaxial anisotropy driven asymmetric kinked magnetization reversal in exchange-biased IrMn/NiFe bilayers. Applied Physics Letters, 2013, 103, .	1.5	6
129	Evolution of particle size and interparticle magnetic interactions with thickness in co-sputtered $\text{Cu}_{79}\text{Co}_{21}$ nanogranular thin films. Journal of Applied Physics, 2013, 114, 023908.	1.1	6
130	Influence of strong anisotropy of CoFe layer on the reversal asymmetry and training effect in $\text{Ir}_{22}\text{Mn}_{78}/\text{Co}_{60}\text{Fe}_{40}$ bilayers. Journal of Applied Physics, 2013, 113, 043914.	1.1	6
131	Study of angular dependence of exchange bias and misalignment in uniaxial and unidirectional anisotropy in NiFe(111)/FeMn(111)/CoFeB(amorphous) stack. Journal of Magnetism and Magnetic Materials, 2015, 385, 166-174.	1.0	6
132	Tunable magnetic anisotropy in obliquely sputtered $\text{Co}_{60}\text{Fe}_{40}$ thin films on Si(100). Physica B: Condensed Matter, 2019, 570, 1-5.	1.3	6
133	Structural and magneto-transport properties of co-sputtered MnAl thin films. Journal of Magnetism and Magnetic Materials, 2020, 503, 166654.	1.0	6
134	Effect of in situ electric-field-assisted growth on antiphase boundaries in epitaxial Fe_3O_4 thin films on MgO. Physical Review Materials, 2018, 2, .	0.9	6
135	Positive Exchange Bias in Ion-Beam Sputtered IrMn/CoFeB System Grown on CoFe Seed Layer. Nanoscience and Nanotechnology Letters, 2012, 4, 651-655.	0.4	6
136	Observation of uniaxial magnetic anisotropy and out-of-plane coercivity in $\text{W}/\text{Co}_{20}\text{Fe}_{60}\text{B}_{20}/\text{W}$ structures with high thermal stability. Journal of Alloys and Compounds, 2022, 895, 162600.	2.8	6
137	In-situ growth of superconducting $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ thin films at low oxygen partial pressures. Thin Solid Films, 1997, 303, 128-135.	0.8	5
138	Thermomagnetic irreversibility in rare-earth neodymium. Journal of Magnetism and Magnetic Materials, 2002, 246, 243-246.	1.0	5
139	On the blueshift in $\text{Sn}_{1-x}\text{Co}_x\text{O}_2$ transparent ferromagnetic semiconductor thin films. Journal of Physics Condensed Matter, 2007, 19, 016216.	0.7	5
140	Synthesis and Investigation of Electrodeposited Half-Metallic Fe_3O_4 Thin Films and Nanowires. Journal of Superconductivity and Novel Magnetism, 2011, 24, 845-849.	0.8	5
141	Magnetization in MgO based multilayers fabricated by e-beam evaporation. AIP Conference Proceedings, 2012, , .	0.3	5
142	Magneto-Resistance Investigations on the In-situ Synthesized Stainless Steel Sheathed MgB_2 Tapes. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2375-2381.	0.8	5
143	Manifestations in the magnetization of the hcp-Co nanowires due to interdependence of aspect ratio and c-axis orientation. Journal of Applied Physics, 2013, 114, 043909.	1.1	5
144	On the Fluctuation Induced Excess Conductivity in Stainless Steel Sheathed MgB_2 Tapes. Journal of Materials, 2013, 2013, 1-6.	0.1	5

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145	Anomalous peak-effect in CeRu 2 : effect of disorder. Solid State Communications, 1999, 111, 263-268.	0.9	4
146	Peak effect in the superconducting mixed state of bulk Mo-Re alloys: A dc magnetization study. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 2000, 80, 1393-1403.	0.6	4
147	STUDIES ON ELECTRODEPOSITED NANOMETRIC Co/Cu MULTILAYERS. International Journal of Nanoscience, 2006, 05, 505-510.	0.4	4
148	High giant magnetoresistance in electrodeposited Cu/Co nano-multilayers. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 2453-2460.	0.8	4
149	Effects of ambient and humidity exposure on the MgB2 superconductor. Journal of Physics and Chemistry of Solids, 2009, 70, 516-520.	1.9	4
150	High-Temperature DC-Magnetisation Investigation on Undoped and 5 at.% Cobalt Incorporated TiO2 Nanopowders. Journal of Superconductivity and Novel Magnetism, 2011, 24, 839-843.	0.8	4
151	Inelastic tunneling conductance and magnetoresistance investigations in dual ion-beam sputtered CoFeB(110)/MgO/CoFeB (110) magnetic tunnel junctions. Journal of Applied Physics, 2014, 115, 153903.	1.1	4
152	Effect of annealing on the temperature dependence of inelastic tunneling contributions vis-À-vis tunneling magnetoresistance and barrier parameters in CoFe/MgO/NiFe magnetic tunnel junctions. Journal of Applied Physics, 2014, 115, 083904.	1.1	4
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