Xiao-Xi Liu

List of Publications by Year
in descending order

184	4,439	126858	133188
papers	citations	33 h-index	59 g-index

186	186	186	3469
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Current-driven dynamics and inhibition of the skyrmion Hall effect of ferrimagnetic skyrmions in GdFeCo films. Nature Communications, 2018, 9, 959.	5.8	301
2	Skyrmion-electronics: writing, deleting, reading and processing magnetic skyrmions toward spintronic applications. Journal of Physics Condensed Matter, 2020, 32, 143001.	0.7	268
3	Switching of magnetic easy-axis using crystal orientation for large perpendicular coercivity in CoFe2O4 thin film. Scientific Reports, 2016, 6, 30074.	1.6	148
4	Skyrmion dynamicsÂin a frustrated ferromagnetic filmÂand current-induced helicity locking-unlocking transition. Nature Communications, 2017, 8, 1717.	5.8	147
5	Control and manipulation of a magnetic skyrmionium in nanostructures. Physical Review B, 2016, 94, .	1.1	137
6	Self-ignited high temperature synthesis and enhanced super-exchange interactions of Ho³⁺â€“Mn²⁺â€“Fe³⁺â€“O^{2â^'}ferromagnetic nanoparticles. Physical Chemistry Chemical Physics, 2014, 16, 2347-2357.	1.3	134
7	NÃ©el-type skyrmions and their current-induced motion in van der Waals ferromagnet-based heterostructures. Physical Review B, 2021, 103, .	1.1	110
8	Deterministic creation and deletion of a single magnetic skyrmion observed by direct time-resolved X-ray microscopy. Nature Electronics, 2018, 1, 288-296.	13.1	108
9	Spin torque nano-oscillators based on antiferromagnetic skyrmions. Applied Physics Letters, 2019, 114, .	1.5	106
10	Electric Field-Induced Creation and Directional Motion of Domain Walls and Skyrmion Bubbles. Nano Letters, 2019, 19, 353-361.	4.5	97
11	Investigation of the microwave absorptive behavior of doped barium ferrites. Materials & Design, 2008, 29, 112-117.	5.1	90
12	Dynamics of the antiferromagnetic skyrmion induced by a magnetic anisotropy gradient. Physical Review B, 2018, 98, .	1.1	84
13	Current-Induced Dynamics and Chaos of Antiferromagnetic Bimerons. Physical Review Letters, 2020, 124, 037202.	2.9	82
14	Au quantum dots engineered room temperature crystallization and magnetic anisotropy in CoFe₂O₄ thin films. Nanoscale Horizons, 2019, 4, 434-444.	4.1	77
15	Chemical tuning of structure formation and combustion process in CoDy0.1Fe1.9O4 nanoparticles: influence@pH. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	69
16	The effect of underlayer for Ba-ferrite sputtered films on c-axis orientation. Journal of Applied Physics, 1997, 81, 4374-4376.	1.1	65
17	Magnetic and microwave absorption properties of BaFe12â^'x (Mn0.5Cu0.5Zr)x/2O19 synthesized by solâ€“gel processing. Journal of Magnetism and Magnetic Materials, 2007, 316, e105-e108.	1.0	62
18	The effects of Laâ€“Zn substitution on the magnetic properties of Sr-magnetoplumbite ferrite nano-particles. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2000, 68, 182-185.	1.7	60

#	Article	IF	Citations
19	Microwave Absorption Properties of Mnâ€“Coâ€“Sn Doped Barium Ferrite Nanoparticles. IEEE Transactions on Magnetics, 2009, 45, 2456-2459.	1.2	57
20	Domain wall memory: Physics, materials, and devices. Physics Reports, 2022, 958, 1-35.	10.3	56
21	Enhanced reflection loss characteristics of substituted barium ferrite/functionalized multi-walled carbon nanotube nanocomposites. Journal of Applied Physics, 2011, 109, .	1.1	50
22	Topology-Dependent Brownian Gyromotion of a Single Skyrmion. Physical Review Letters, 2020, 125, 027206.	2.9	50
23	Single-Crystal-like Textured Growth of CoFe₂O₄ Thin Film on an Amorphous Substrate: A Self-Bilayer Approach. ACS Applied Electronic Materials, 2020, 2, 3650-3657.	2.0	49
24	A comparison between magnetic and reflection loss characteristics of substituted strontium ferrite and nanocomposites of ferrite/carbon nanotubes. Journal of Applied Physics, 2012, 111, .	1.1	48
25	Effect of Additional Elements on the Structural Properties, Magnetic Characteristics and Natural Resonance Frequency of Strontium Ferrite Nanoparticles/Polymer Composite. IEEE Transactions on Magnetics, 2009, 45, 4420-4423.	1.2	47
26	Currentâ€Induced Helicity Reversal of a Single Skyrmionic Bubble Chain in a Nanostructured Frustrated Magnet. Advanced Materials, 2020, 32, e1904815.	11.1	47
27	Motion of skyrmions in nanowires driven by magnonic momentum-transfer forces. New Journal of Physics, 2017, 19, 065001.	1.2	46
28	Permeability and magnetic interactions in Co2+ substituted Li0.5Fe2.5O4 alloys. Journal of Alloys and Compounds, 2013, 575, 145-151.	2.8	45
29	Dynamics of a magnetic skyrmionium driven by spin waves. Applied Physics Letters, 2018, 112, .	1.5	43
30	Voltage-Driven High-Speed Skyrmion Motion in a Skyrmion-Shift Device. Physical Review Applied, 2019, 11, .	1.5	41
31	Static and dynamic properties of bimerons in a frustrated ferromagnetic monolayer. Physical Review B, 2020, 101, .	1.1	40
32	Antiferromagnetic skyrmion-based logic gates controlled by electric currents and fields. Applied Physics Letters, 2021, 119, .	1.5	40
33	Effect of Sb Doping on the Thermoelectric Properties of Mg2Si0.7Sn0.3 Solid Solutions. Journal of Electronic Materials, 2011, 40, 830-834.	1.0	35
34	Soft magnetic properties of FeCo films with high saturation magnetization. Journal of Applied Physics, 2008, 103, 07E726.	1.1	34
35	Introduction and control of metastable states in elliptical and rectangular magnetic nanoelements. Applied Physics Letters, 2004, 84, 4406-4408.	1.5	33
36	Current-Induced Domain Wall Motion in TbFeCo Wires With Perpendicular Magnetic Anisotropy. IEEE Transactions on Magnetics, 2010, 46, 1695-1698.	1.2	33

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37	Confinement and Protection of Skyrmions by Patterns of Modified Magnetic Properties. Nano Letters, 2021, 21, 4320-4326.	4.5	32
38	Effect of Co underlayer on soft magnetic properties and microstructure of FeCo thin films. Journal of Magnetism and Magnetic Materials, 2007, 308, 165-169.	1.0	31
39	Current-Driven Dynamics of Frustrated Skyrmions in a Synthetic Antiferromagnetic Bilayer. Physical Review Applied, 2019, 11, .	1.5	31
40	Magnetic properties of hexagonal strontium ferrite thick film synthesized by solâ€“gel processing using SrM nanoparticles. Journal of Magnetism and Magnetic Materials, 2008, 320, 2300-2304.	1.0	30
41	The role of cations distribution on magnetic and reflection loss properties of ferrimagnetic SrFe12â^'x(Sn0.5Zn0.5)xO19. Journal of Applied Physics, 2010, 107, 09A734.	1.1	30
42	Laâ€“Zn substituted hexagonal Sr ferrite thin films for high density magnetic recording. Journal of Applied Physics, 2000, 87, 2503-2506.	1.1	28
43	Preparation of soft magnetic FeCo-based films for writers. Journal of Applied Physics, 2009, 105, 07B714.	1.1	28
44	Nanoscale Compositional Modification in Co/Pd Multilayers for Controllable Domain Wall Pinning in Racetrack Memory. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800197.	1.2	28
45	The Effects of Underlayers for SmCo$_5$Thin Films With Perpendicular Magnetic Anisotropy. IEEE Transactions on Magnetics, 2006, 42, 2366-2368.	1.2	27
46	Improved thermoelectric properties of La-doped Bi2Sr2Co2O9-layered misfit oxides. Journal of Materials Science, 2009, 44, 1889-1893.	1.7	27
47	MÃ¶ssbauer spectroscopy and magnetic susceptibility studies of Crâ€“Al substituted strontium ferrite particles. Journal of Applied Physics, 2010, 107, .	1.1	27
48	MÃ¶ssbauer spectroscopy and magnetic characteristics of Zn1â^'xCoxFe2O4 (xâ€‰=â€‰0â^'1) nanoparticles. Journal of Applied Physics, 2011, 109, 07A512.	1.1	27
49	Dynamics of an elliptical ferromagnetic skyrmion driven by the spinâ€“orbit torque. Applied Physics Letters, 2020, 116, .	1.5	27
50	Tuning magnetic properties for domain wall pinning via localized metal diffusion. Scientific Reports, 2017, 7, 16208.	1.6	26
51	Compositional dependence of magnetoresistance in TbFeCo amorphous film. IEEE Transactions on Magnetics, 2005, 41, 2568-2570.	1.2	25
52	A microwave field-driven transistor-like skyrmionic device with the microwave current-assisted skyrmion creation. Journal of Applied Physics, 2017, 122, .	1.1	24
53	Generation and manipulation of skyrmions and other topological spin structures with rare metals. Rare Metals, 2022, 41, 2200-2216.	3.6	24
54	Reversal mechanisms and metastable states in magnetic nanoelements. Journal of Applied Physics, 2004, 96, 5173-5179.	1.1	23

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55	Induced anisotropy in soft magnetic Fe65Co35/Co thin films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 133, 61-65.	1.7	23
56	Fabrication, crystallographic and magnetic properties of SrM perpendicular films on Au nano-dot arrays. Journal of Alloys and Compounds, 2010, 492, 44-47.	2.8	22
57	Current-driven skyrmionium in a frustrated magnetic system. Applied Physics Letters, 2020, 117, .	1.5	22
58	Magnetic and crystallographic properties of Laâ€“Zn substituted Sr-ferrite thin films. Journal of Applied Physics, 2000, 87, 6875-6877.	1.1	21
59	Magnetic and Reflection Loss Characteristics of Substituted Barium Ferrite/Functionalized Multiwalled Carbon Nanotube. IEEE Transactions on Magnetics, 2011, 47, 4310-4313.	1.2	21
60	Smâ€“Co and Ndâ€“Feâ€“B thin films with perpendicular anisotropy for high-density magnetic recording media. Journal of Magnetism and Magnetic Materials, 2006, 304, 46-50.	1.0	20
61	High frequency characteristics of FeCoAlO thin films combined the effects of stress and magnetic field. Journal of Applied Physics, 2011, 109, 07B509.	1.1	20
62	First Study on the Formation of Strontium Ferrite Thin Films on Functionalized Multi-Walled Carbon Nanotube. IEEE Transactions on Magnetics, 2011, 47, 2800-2803.	1.2	20
63	Soft anisotropic Fe/sub 65/Co/sub 35//Co thin films prepared by facing targets sputtering. IEEE Transactions on Magnetics, 2005, 41, 2905-2907.	1.2	19
64	Influence of matching thickness on the absorption properties of doped barium ferrites at microwave frequencies. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 358-365.	0.8	19
65	One-pot synthesis of iron oxideâ€“carbon coreâ€“shell particles in supercritical water. Materials Research Bulletin, 2009, 44, 1443-1450.	2.7	19
66	Crystallographic and magnetic properties of SrM thin films on Pt underlayer prepared at various substrate temperatures. Journal of Magnetism and Magnetic Materials, 2009, 321, 1939-1942.	1.0	19
67	Stressâ€Induced Domain Wall Motion in FeCoâ€Based Magnetic Microwires for Realization of Energy Harvesting. Advanced Electronic Materials, 2019, 5, 1800467.	2.6	19
68	Logic Gates Based on Synthetic Antiferromagnetic Bilayer Skyrmions. Physical Review Applied, 2021, 16, .	1.5	19
69	Controlled Switching of the Number of Skyrmions in a Magnetic Nanodot by Electric Fields. Advanced Materials, 2022, 34, e2107908.	11.1	19
70	Manipulation of crystal orientation and microstructure of barium ferrite thin film. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 138-140.	1.0	18
71	Underlayer dependence of microtexture, microstructure and magnetic properties of c-axis oriented strontium ferrite thin films. Thin Solid Films, 2010, 518, 7059-7063.	0.8	18
72	TbFeco film with W underlayer and overlayer for perpendicular magnetic recording. Journal of Magnetism and Magnetic Materials, 2005, 287, 250-254.	1.0	17

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73	Smâ€“Co films for high-density magnetic recording media. Journal of Magnetism and Magnetic Materials, 2006, 303, e274-e276.	1.0	17
74	The role of copper ions on the structural and magnetic characteristics of MgZn ferrite nanoparticles and thin films. Journal of Magnetism and Magnetic Materials, 2010, 322, 3064-3071.	1.0	17
75	Ndâ€“Feâ€“B films with perpendicular magnetic anisotropy. Journal of Applied Physics, 2006, 99, 08N302.	1.1	16
76	The effect of underlayers on FeCo thin films. Journal of Physics: Conference Series, 2011, 266, 012037.	0.3	16
77	Magnetization reversal mechanism of Nd-Fe-B films with perpendicular magnetic anisotropy. Journal of Applied Physics, 2011, 109, 07A725.	1.1	16
78	Current-induced dynamics of skyrmion tubes in synthetic antiferromagnetic multilayers. Physical Review B, 2021, 103, .	1.1	16
79	Magnetoresistance in amorphous TbFeCo films with perpendicular magnetic anisotropy. Journal of Applied Physics, 2005, 97, 10C515.	1.1	15
80	TbFeCo perpendicular magnetic recording media deposited on nanohole arrays of porous alumina layer. Journal of Applied Physics, 2006, 99, 08G904.	1.1	15
81	Barium ferrite thin films prepared by alternate deposition. Journal of Magnetism and Magnetic Materials, 2000, 212, 273-276.	1.0	14
82	Generation and Hall effect of skyrmions enabled using nonmagnetic point contacts. Physical Review B, 2019, 100, .	1.1	14
83	Dynamics of antiskyrmions induced by the voltage-controlled magnetic anisotropy gradient. Journal of Magnetism and Magnetic Materials, 2020, 496, 165922.	1.0	14
84	Configurable pixelated skyrmions on nanoscale magnetic grids. Communications Physics, 2021, 4, .	2.0	14
85	Bifurcation of a topological skyrmion string. Physical Review B, 2022, 105, .	1.1	14
86	TiN underlayer and overlayer for TbFeCo perpendicular magnetic recording media. Journal of Magnetism and Magnetic Materials, 2006, 303, e133-e136.	1.0	13
87	MÃ¶ssbauer spectroscopy, magnetic characteristics, and reflection loss analysis of nickel-strontium substituted cobalt ferrite nanoparticles. Journal of Applied Physics, 2014, 115, .	1.1	13
88	A frustrated bimeronium: Static structure and dynamics. Applied Physics Letters, 2021, 118, .	1.5	13
89	Dynamics of ferrimagnetic skyrmionium driven by spin-orbit torque. Physical Review B, 2021, 104, .	1.1	12
90	Soft magnetic properties of FeCo films with Co underlayer. Journal of Magnetism and Magnetic Materials, 2006, 303, e201-e204.	1.0	11

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91	Perpendicular magnetic anisotropy in TbFeCo films studied by magnetic Compton scattering. Journal of Applied Physics, 2007, 102, 013902.	1.1	11
92	Magnetic Properties of FeCo Films Prepared by Co-Sputtering and Hydrogenous Gas Reactive Sputtering. IEEE Transactions on Magnetics, 2008, 44, 3910-3912.	1.2	11
93	Magnetic and Reflection Loss Characteristics of SrFe$_{12 - {m x}}$(Sm$_{0.5}$Dy$_{0.5}$)$_{{m x}}$O$_{19}$/Multiwalled Carbon Nanotube Nanocomposite. IEEE Transactions on Magnetics, 2013, 49, 4218-4221.	1.2	11
94	Manipulation of magnetic skyrmions in a locally modified synthetic antiferromagnetic racetrack. Journal of Magnetism and Magnetic Materials, 2019, 482, 155-159.	1.0	11
95	Studies on high-moment soft magnetic FeCo/Co thin films. Chinese Physics B, 2006, 15, 1351-1355.	1.3	10
96	Perpendicular magnetic anisotropy in sputtered amorphous TbFeCo films. Journal of Magnetism and Magnetic Materials, 2007, 310, 1744-1746.	1.0	10
97	Structural and magnetic properties of CuxMg0.5â^'xZn0.5Fe2O4 (x=0â€“0.5) particles. Journal of Alloys and Compounds, 2010, 506, 279-284.	2.8	10
98	Magnetic characteristics of Mn-Co-Ti substituted barium ferrite synthesized by sol-gel processing. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 2513-2521.	0.8	9
99	Epitaxial Growth of SrM(00l) Film on Au(111). IEEE Transactions on Magnetics, 2008, 44, 2899-2902.	1.2	9
100	Role of ${hbox{Bi}}_{2}{hbox{O}}_{3}$ Additives on the Microstructure Development and Magnetic Properties of NiCuZn-Tb Ferrites. IEEE Transactions on Magnetics, 2014, 50, 1-4.	1.2	9
101	The Study of Sputtered Barium Ferrite Thin Films. Physica Status Solidi A, 1999, 174, 389-394.	1.7	8
102	Perpendicular orientation of Ba-ferrite thin film with Al top layer and underlayer. IEEE Transactions on Magnetics, 2005, 41, 4362-4364.	1.2	8
103	Effect of underlayer structure on the crystallographic and magnetic properties of Nd-Fe-B thin films. IEEE Transactions on Magnetics, 2005, 41, 3139-3141.	1.2	8
104	Self-assembled strontium ferrite dot array on Au underlayer. Journal of Magnetism and Magnetic Materials, 2010, 322, 2043-2046.	1.0	8
105	High domain wall magneto-resistance in amorphous TbFeCo wires. Applied Physics Letters, 2011, 99, 122501.	1.5	8
106	Ultrathin Conformal Magnetic Invisible Cloak for Irregular Objects. ACS Applied Materials & Interfaces, 2021, 13, 17104-17109.	4.0	8
107	Controlled Switching of the Number of Skyrmions in a Magnetic Nanodot by Electric Fields (Adv.) Tj ETQq1 1 0.784314 rgBT /Overloc	11.1	8
108	Magnetic and magneto-optical properties of Fe/Fe3O4 multilayers prepared by pulsed laser deposition. Journal of Magnetism and Magnetic Materials, 2002, 240, 430-432.	1.0	7

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109	Effect of W underlayer on the crystal orientation and microstructure of NdFeB thin films. Journal of Applied Physics, 2005, 97, 10K301.	1.1	7
110	Magnetic properties of hexagonal ferrite dot arrays. Journal of Magnetism and Magnetic Materials, 2006, 303, e277-e280.	1.0	7
111	Magnetic Properties of Nanocrystalline and Amorphous FeCoC Thin Films. IEEE Transactions on Magnetics, 2006, 42, 2772-2774.	1.2	7
112	Effect of sputtering gas (Ne, Ar, Kr) on the properties of L10 FePt films. Journal of Magnetism and Magnetic Materials, 2007, 310, e916-e917.	1.0	7
113	Correlation between site preference and magnetic characteristics of self assembled strontium ferrite dot array on functionalized multi-walled carbon nanotubes. Journal of Applied Physics, 2013, 113, 17B524.	1.1	7
114	Bi2O3 liquid phase assisted and Mn substituted permeability and magnetic properties of Ni-Cu-Zn ferrite for multilayer chip inductor application. Journal of Applied Physics, 2014, 115, .	1.1	7
115	Magnetic Skyrmion Transport in a Nanotrack With Spatially Varying Damping and Non-adiabatic Torque. IEEE Transactions on Magnetics, 2016, , 1-1.	1.2	7
116	Nanoscale modification of magnetic properties for effective domain wall pinning. Journal of Magnetism and Magnetic Materials, 2019, 475, 70-75.	1.0	7
117	Nonreciprocal dynamics of ferrimagnetic bimerons. Physical Review B, 2022, 105, .	1.1	7
118	Dynamic transformation between a skyrmion string and a bimeron string in a layered frustrated system. Physical Review B, 2021, 104, .	1.1	7
119	Reduction of Ordering Temperature of FePtâ€“Al 2 O 3 Thin Films by N 2 Addition During Sputtering. Chinese Physics Letters, 2005, 22, 2899-2902.	1.3	6
120	Structural, Microwave, and Magnetic Properties of Self-Assembled Substituted Strontium Ferrite Dot Array on Multiwalled Carbon Nanotubes. IEEE Transactions on Magnetics, 2012, 48, 3474-3477.	1.2	6
121	Switching domain wall motion on and off using a gate voltage for domain wall transistor applications. Applied Physics Letters, 2018, 113, 232401.	1.5	6
122	Dynamics of Magnetic Skyrmion Clusters Driven by Spin-Polarized Current With a Spatially Varied Polarization. IEEE Magnetics Letters, 2018, 9, 1-5.	0.6	6
123	Single-bit full adder and logic gate based on synthetic antiferromagnetic bilayer skyrmions. Rare Metals, 2022, 41, 2249-2258.	3.6	6
124	Magnetic properties of BaMâ^•Pdâ€“Pt double-layered thin film deposited at various substrate temperatures. Journal of Applied Physics, 2005, 97, 10K305.	1.1	5
125	The property of multilayered SmCo₅ film with perpendicular magnetic anisotropy. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 4166-4169.	0.8	5
126	Preparation of barium ferrite dot arrays by means of nano-spot crystallization. Journal of Magnetism and Magnetic Materials, 2007, 316, e152-e154.	1.0	5

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127	Negative Coercivity and Spin Configuration in Ni/TbFeCo/Ni Trilayers. IEEE Transactions on Magnetics, 2009, 45, 4100-4103.	1.2	5
128	Current Driven Domain Wall Motion in Rare-Earth Transition Metal Alloys with Perpendicular Magnetic Anisotropy. Journal of Nanoscience and Nanotechnology, 2012, 12, 7550-7553.	0.9	5
129	Nd-Fe-B films with perpendicular magnetic anisotropy and extremely large room temperature coercivity. Journal of Magnetism and Magnetic Materials, 2019, 474, 406-410.	1.0	5
130	Overview of magnetic skyrmion-based devices and applications. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 137505.	0.2	5
131	Structural transition of skyrmion quasiparticles under compression. Physical Review B, 2022, 105, .	1.1	5
132	C-axis oriented L10 phase FePt thin films by plasma-assisted diffusion. Journal of Applied Physics, 2005, 97, 10H302.	1.1	4
133	STEP-FLOW GROWTH OF HETEROEPITAXIAL SrRuO₃ THIN FILMS ON 0.04Â° SrTiO₃ (001) VICINAL SUBSTRATES. Functional Materials Letters, 2008, 01, 253-257.	0.7	4
134	Magnetization reversal mechanism of ultra thin Nd2Fe14B films with perpendicular magnetic anisotropy. Journal of Applied Physics, 2008, 103, 07E104.	1.1	4
135	Magnetic Properties and Microstructure of Electrodeposited Co/Cu Multilayers. Electrochemistry, 2013, 81, 966-970.	0.6	4
136	Temperature dependence of the microscopic magnetization process of Tb12Co88 using magnetic Compton scattering. Journal of Magnetism and Magnetic Materials, 2019, 484, 207-211.	1.0	4
137	Correlation between the Effective Amounts of Elements in TbFeCo Thin Films and Their Magnetic Properties. Materials Transactions, 2019, 60, 718-725.	0.4	4
138	Partially crystallized BaM thin films for high density magnetic recording. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1999, 65, 90-93.	1.7	3
139	Crystallization of Ba-Me hexagonal ferrite thin films. Physics of the Solid State, 2002, 44, 1711-1714.	0.2	3
140	Magnetic properties of Sr-ferrite dot arrays by electron beam lithography. Journal of Applied Physics, 2003, 93, 7423-7425.	1.1	3
141	Microstructure and magnetic properties of FePt and FePt-Al2O3thin films fabricated by in situ ordering process. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, 1829-1833.	0.8	3
142	Self-assembled L10 FePt thin films for high-density magnetic recording. Journal of Magnetism and Magnetic Materials, 2006, 303, e255-e257.	1.0	3
143	Properties of Sr Ferrite Thin Films on Al-Si Underlayer. IEEE Transactions on Magnetics, 2009, 45, 2587-2589.	1.2	3
144	The role of symmetry-breaking-induced interface anisotropy in [Fe/Pt]n multilayer films. Journal of Applied Physics, 2011, 109, 07D343.	1.1	3

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145	Magnetic properties and high-frequency characteristics of FeCoAlO gradient composition thin films. Journal of Applied Physics, 2012, 111, .	1.1	3
146	Domain Wall Pinning Sites Introduced by Focused Ion Beam in TbFeCo Film. IEEE Transactions on Magnetics, 2012, 48, 3658-3661.	1.2	3
147	High frequency characteristics of FeCoAlO thin films fabricated with asymmetric target at different Ar gas flow rates. Journal of Applied Physics, 2012, 111, 07A509.	1.1	3
148	Magnetic Force Microscope Probes With High Resolution by Soft Magnetic Vortex. IEEE Transactions on Magnetics, 2012, 48, 3673-3676.	1.2	3
149	Self-assembled ferrite nanodots on multifunctional Au nanoparticles. Gold Bulletin, 2013, 46, 153-159.	1.1	3
150	Self-Assembled Hexagonal Superparamagnetic Cone Structures for Fabrication of Cell Cluster Arrays. ACS Applied Materials & Interfaces, 2021, 13, 10667-10673.	4.0	3
151	Transcription and logic operations of magnetic skyrmions in bilayer cross structures. Journal of Physics Condensed Matter, 2021, 33, 404001.	0.7	3
152	Magnetic compton profiles of Pd/Fe multilayers. Journal of Magnetism and Magnetic Materials, 2005, 286, 410-415.	1.0	2
153	MÃ¶ssbauer spectroscopy study of amorphous TbFeCo films for perpendicular magnetic data recording. Technical Physics Letters, 2008, 34, 1005-1007.	0.2	2
154	Structural and magnetic characteristics of SrM thin films on Au dot arrays. Journal of Physics: Conference Series, 2009, 191, 012026.	0.3	2
155	Observation of magnetic/electric domains and control of electric polarization by magnetic field in BiFeO3/SrFe12O19 bilayers. Journal of Magnetism and Magnetic Materials, 2013, 327, 95-102.	1.0	2
156	Realization of Energy Harvesting Based on Stress-Induced Modification of Magnetic Domain Structures in Microwires. IEEE Transactions on Magnetics, 2019, 55, 1-7.	1.2	2
157	Micromagnetic studies of domain structures and switching properties in a magnetoresistive random access memory cell. Journal of Applied Physics, 2005, 97, 10E310.	1.1	1
158	Ultra-Thin Nd$_2$Fe$_14$B Films With Perpendicular Magnetic Anisotropy. IEEE Transactions on Magnetics, 2006, 42, 2924-2926.	1.2	1
159	Effects of crystalline and elastic anisotropies on coercivity of longitudinally oriented CoCrPt thin films grown on CrW underlayer. Journal of Applied Physics, 2009, 105, 07D503.	1.1	1
160	Structure and magnetic properties of Î³-Fe₂O₃-multi walled carbon nanotubes nanocomposites prepared by sol-gel method. Journal of Physics: Conference Series, 2011, 266, 012071.	0.3	1
161	Self-assembled strontium ferrite on Au nano-dot arrays using rapid thermal annealing. Journal of Physics: Conference Series, 2011, 303, 012044.	0.3	1
162	Current-Induced Domain Wall Motion in TbFeCo micro wire. Journal of Physics: Conference Series, 2011, 266, 012082.	0.3	1

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163	Structural and Magnetic Properties of Mn^{3+} Substituted Ordered and Disordered Li$_{0.5}$Cr$_{0.5}$Fe$_{2}$O$_{4}$ Nanoparticles. IEEE Transactions on Magnetics, 2013, 49, 4210-4213.	1.2	1
164	Variations in the saturation magnetization of nanosized NiFe₂O₄ particles on adsorption of carboxylic acids. Journal of Asian Ceramic Societies, 2014, 2, 41-43.	1.0	1
165	Control of the spatial distribution and crystal orientation of self-organized Au nanoparticles. Nanotechnology, 2016, 27, 385605.	1.3	1
166	Magnetic Compton profile evaluation of magnetization process of Tb_xCo_{100â^'x} films. Materials Research Express, 2017, 4, 106108.	0.8	1
167	Magnetic properties of nanocrystalline and amorphous FeCoC thin films. , 2006, , .		0
168	The effects of underlayers for SmCo5 thin films with perpendicular magnetic anisotropy. , 2006, , .		0
169	Magnetic Properties of TbFeCo Amorphous Films Deposited on Patterned Underlayer. , 2006, , .		0
170	Ultra thin Nd2Fe14B films with perpendicular magnetic anisotropy. , 2006, , .		0
171	Anisotropies of spin densities in metallic multilayers with perpendicular anisotropies. Journal of Magnetism and Magnetic Materials, 2007, 310, 2710-2712.	1.0	0
172	Manipulating the crystallographic properties of Fe/MgO/Fe trilayers. Journal of Applied Physics, 2009, 105, 07C909.	1.1	0
173	Synthesis and characterization of CuO/ZnO-doped (Zr_{0.8}Sn_{0.2})TiO₄microwave ceramics. Journal of Physics: Conference Series, 2009, 191, 012016.	0.3	0
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