

Yong Jiang

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139
papers

1,456
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21
h-index

31
g-index

159
ext. papers

1,737
ext. citations

4.6
avg, IF

4.47
L-index

#	Paper	IF	Citations
139	Substantial reduction of critical current for magnetization switching in an exchange-biased spin valve. <i>Nature Materials</i> , 2004 , 3, 361-4	27	113
138	Effective reduction of critical current for current-induced magnetization switching by a Ru layer insertion in an exchange-biased spin valve. <i>Physical Review Letters</i> , 2004 , 92, 167204	7.4	86
137	Intrinsic room temperature ferromagnetism in boron-doped ZnO. <i>Applied Physics Letters</i> , 2010 , 97, 232504	2.4	62
136	Interface control and leakage current conduction mechanism in HfO ₂ film prepared by pulsed laser deposition. <i>Applied Physics Letters</i> , 2008 , 93, 202904	3.4	53
135	Strain-mediated electric-field control of exchange bias in a Co ₉₀ Fe ₁₀ /BiFeO ₃ /SrRuO ₃ /PMN-PT heterostructure. <i>Scientific Reports</i> , 2015 , 5, 8905	4.9	46
134	Current-controlled propagation of spin waves in antiparallel, coupled domains. <i>Nature Nanotechnology</i> , 2019 , 14, 691-697	28.7	43
133	Observation of charge to spin conversion in Weyl semimetal WTe ₂ at room temperature. <i>Physical Review Research</i> , 2020 , 2,	3.9	39
132	Unconventional Charge-Spin Conversion in Weyl-Semimetal WTe. <i>Advanced Materials</i> , 2020 , 32, e2000818	4.1	38
131	Ionized-oxygen vacancies related dielectric relaxation in heteroepitaxial K _{0.5} Na _{0.5} NbO ₃ /La _{0.67} Sr _{0.33} MnO ₃ structure at elevated temperature. <i>Applied Physics Letters</i> , 2009 , 95, 132905	3.4	36
130	Negative spin Hall magnetoresistance in antiferromagnetic Cr ₂ O ₃ /Ta bilayer at low temperature region. <i>Applied Physics Letters</i> , 2018 , 112, 232404	3.4	32
129	Distinctive current-induced magnetization switching in a current-perpendicular-to-plane giant-magnetoresistance nanopillar with a synthetic antiferromagnet free layer. <i>Applied Physics Letters</i> , 2005 , 86, 242506	3.4	31
128	Anomalous Hall effect and spin-orbit torques in MnGa/IrMn films: Modification from strong spin Hall effect of the antiferromagnet. <i>Physical Review B</i> , 2016 , 94,	3.3	30
127	Structure and electrical properties of HfO ₂ high-k films prepared by pulsed laser deposition on Si (100). <i>Applied Physics A: Materials Science and Processing</i> , 2008 , 93, 681-684	2.6	28
126	Evaluation of hyperthermia of magnetic nanoparticles by dehydrating DNA. <i>Scientific Reports</i> , 2014 , 4, 7216	4.9	25
125	Anomalous Hall effect in Mn _{1.5} Ga/Ta and Mn _{1.5} Ga/Pt bilayers: Modification from spin-orbit coupling of heavy metals. <i>Physical Review B</i> , 2016 , 93,	3.3	25
124	Overcoming synthetic metastabilities and revealing metal-to-insulator transition & thermistor bi-functionalities for d-band correlation perovskite nickelates. <i>Materials Horizons</i> , 2019 , 6, 788-795	14.4	24
123	Modulated switching current density and spin-orbit torques in MnGa/Ta films with inserting ferromagnetic layers. <i>Scientific Reports</i> , 2016 , 6, 38375	4.9	24

122	Monodisperse magnetic metallic nanoparticles: synthesis, performance enhancement, and advanced applications. <i>Rare Metals</i> , 2013 , 32, 323-331	5.5	22
121	Improved thermal stability, interface, and electrical properties of HfO ₂ films prepared by pulsed laser deposition using in situ ionized nitrogen. <i>Applied Physics Letters</i> , 2009 , 95, 032905	3.4	22
120	Revealing the role of lattice distortions in the hydrogen-induced metal-insulator transition of SmNiO. <i>Nature Communications</i> , 2019 , 10, 694	17.4	21
119	Bi-relaxation behaviors in epitaxial multiferroic double-perovskite BiFe _{0.5} Mn _{0.5} O ₃ /CaRuO ₃ heterostructures. <i>Applied Physics Letters</i> , 2011 , 99, 062905	3.4	21
118	Ultra-thin BiFeO ₃ nanowires prepared by a sol-gel combustion method: an investigation of its multiferroic and optical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2012 , 23, 180-184	2.1	20
117	Low-energy Resistive Random Access Memory Devices with No Need for a Compliance Current. <i>Scientific Reports</i> , 2015 , 5, 10409	4.9	20
116	Ballistic electron transport in hybrid ferromagnet/two-dimensional electron gas sandwich nanostructure: Spin polarization and magnetoresistance effect. <i>Journal of Applied Physics</i> , 2009 , 105, 013708	2.5	19
115	Enhanced fatigue and ferroelectric properties in multiferroic (Ba _{0.7} Sr _{0.3})TiO ₃ /(Bi _{1.05} La _{0.05})FeO ₃ epitaxial heterostructures. <i>Applied Physics Letters</i> , 2013 , 102, 232902	3.4	17
114	Enhanced spin-orbit torques in MnAl/Ta films with improving chemical ordering. <i>Applied Physics Letters</i> , 2017 , 110, 142401	3.4	16
113	Electronic structures of Heusler alloy Co ₂ FeAl _{1-x} Si _x surface. <i>Rare Metals</i> , 2012 , 31, 107-111	5.5	16
112	Enhancement of Magnetic Properties for FePt Nanoparticles by Rapid Annealing in a Vacuum. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 19867-19870	3.8	15
111	Magnetic switching properties of magnetic tunnel junctions using a synthetic ferrimagnet free layer. <i>Journal of Applied Physics</i> , 2004 , 95, 3745-3748	2.5	15
110	Effect of defect complex on magnetic properties of (Fe, Mn)-doped ZnO thin films. <i>Rare Metals</i> , 2012 , 31, 154-157	5.5	14
109	Perpendicularizing magnetic anisotropy of full-Heusler Co ₂ FeAl films by cosputtering with terbium. <i>Applied Physics Letters</i> , 2010 , 96, 142505	3.4	14
108	Electron-Doping Mottronics in Strongly Correlated Perovskite. <i>Advanced Materials</i> , 2020 , 32, e1905060	2.4	14
107	Bias dependence of spin transfer torque in Co ₂ MnSi Heusler alloy based magnetic tunnel junctions. <i>Applied Physics Letters</i> , 2017 , 110, 172403	3.4	13
106	Robust emergence of a topological Hall effect in MnGa/heavy metal bilayers. <i>Physical Review B</i> , 2018 , 97,	3.3	12
105	Perpendicular Magnetic Anisotropy in Co-Based Full Heusler Alloy Thin Films. <i>Spin</i> , 2015 , 05, 1540012	1.3	12

104	Perpendicular magnetic anisotropy and thermal stability in Co ₂ FeAl _{0.5} Si _{0.5} /Pt multilayers. <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 117, 773-779	2.6	12
103	Synthetic antiferromagnet with Heusler alloy Co ₂ FeAl ferromagnetic layers. <i>Journal of Applied Physics</i> , 2009 , 106, 123902	2.5	12
102	The Anomalous Hall Effect of Co ₂ FeAl _{0.5} Si _{0.5} /Pt Multilayers with Perpendicular Magnetic Anisotropy. <i>Applied Physics Express</i> , 2013 , 6, 113003	2.4	11
101	Evidence of interface conversion and electrical characteristics improvement of ultra-thin HfTiO films upon rapid thermal annealing. <i>Applied Physics Letters</i> , 2011 , 99, 182904	3.4	11
100	Perpendicular magnetic anisotropy of Pt/Co ₂ FeAl _{0.5} Si _{0.5} /MgAl ₂ O ₄ trilayers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016 , 213, 2780-2784	1.6	11
99	Thickness dependence of magnetic anisotropy and intrinsic anomalous Hall effect in epitaxial Co ₂ MnAl film. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017 , 381, 1202-1206	2.3	10
98	Simultaneous laser excitation of backward volume and perpendicular standing spin waves in full-Heusler CoFeAlSi films. <i>Scientific Reports</i> , 2017 , 7, 42513	4.9	10
97	Effects of dopants on magnetic properties of Cu-doped ZnO thin films. <i>Journal of Materials Science</i> , 2012 , 47, 530-533	4.3	10
96	Dependence of ferromagnetic properties on growth oxygen partial pressure in boron-doped ZnO thin films. <i>Journal of Materials Science</i> , 2012 , 47, 6513-6516	4.3	10
95	Effect of annealing atmosphere on magnetic properties of pure ZnO and Na: ZnO films. <i>Rare Metals</i> , 2012 , 31, 27-30	5.5	10
94	Electronic structures of new tunnel barrier spinel MgAl ₂ O ₄ : first-principles calculations. <i>Rare Metals</i> , 2012 , 31, 112-116	5.5	10
93	Defects control for improved electrical properties in (Ba _{0.8} Sr _{0.2})(Zr _{0.2} Ti _{0.8})O ₃ films by Co acceptor doping. <i>Applied Physics Letters</i> , 2011 , 99, 232910	3.4	10
92	Magnetic-Field-Induced Strong Negative Thermal Expansion in La(Fe,Al) ₁₃ . <i>Chemistry of Materials</i> , 2020 , 32, 7535-7541	9.6	10
91	Spin-orbit torque-induced multiple magnetization switching behaviors in synthetic antiferromagnets. <i>Applied Physics Letters</i> , 2020 , 117, 112401	3.4	10
90	Effects of annealing and MgO thickness on perpendicular magnetic anisotropy in Pt/Co ₂ FeAl _{0.5} Si _{0.5} /MgO/Pt multilayers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014 , 211, 606-610	1.6	9
89	Tuning perpendicular magnetic anisotropy and coercivity of L1 ₀ -FePt nanocomposite film by interfacial manipulation. <i>Journal of Applied Physics</i> , 2011 , 109, 063918	2.5	9
88	Unusual anomalous Hall effect in perpendicularly magnetized YIG films with a small Gilbert damping constant. <i>Physical Review B</i> , 2020 , 101,	3.3	8
87	Photoluminescence enhancement by rapid thermal annealing for ZnO epitaxial films grown on Si (100) by pulsed laser deposition. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2009 , 27, 1231-1234	2.9	8

86	Enhanced photoresponse of TiO ₂ /MoS ₂ heterostructure phototransistors by the coupling of interface charge transfer and photogating. <i>Nano Research</i> , 2021 , 14, 982-991	10	8
85	Position selective dielectric polarization enhancement in CNT based heterostructures for highly efficient microwave absorption. <i>Nanoscale</i> , 2021 , 13, 2324-2332	7.7	8
84	Dielectric property and electrical conduction mechanism of ZrO ₂ /TiO ₂ composite thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2012 , 23, 174-179	2.1	7
83	Spin Logical and Memory Device Based on the Nonvolatile Ferroelectric Control of the Perpendicular Magnetic Anisotropy in PbZr _{0.2} Ti _{0.8} O ₃ /Co/Pt Heterostructure. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000102	6.4	7
82	Ultra-large non-volatile modulation of magnetic moments in PbZrTiO/MgO/LaSrMnO heterostructure at room temperature via interfacial polarization mediation. <i>Scientific Reports</i> , 2017 , 7, 2627	4.9	6
81	Modulated spin orbit torque in a Pt/Co/Pt/YIG multilayer by nonequilibrium proximity effect. <i>Applied Physics Letters</i> , 2018 , 112, 022402	3.4	6
80	Strain-controlled giant magnetoresistance of a spin valve grown on a flexible substrate. <i>RSC Advances</i> , 2016 , 6, 88090-88095	3.7	6
79	Large modulation of perpendicular magnetic anisotropy in a BiFeO ₃ /Al ₂ O ₃ /Pt/Co/Pt multiferroic heterostructure via spontaneous polarizations. <i>Applied Physics Letters</i> , 2018 , 113, 062401	3.4	6
78	Anomalous Hall effect in magnetic disordered alloys: Effects of spin orbital coupling. <i>Journal of Applied Physics</i> , 2013 , 114, 243912	2.5	6
77	The effects of Cu doping on crystalline structure and magnetic properties of SmCo _{5-x} Cu _x thin films grown on Ru (0002). <i>Journal of Applied Physics</i> , 2013 , 114, 213908	2.5	6
76	Organic co-decomposition method for the synthesis of Mn and Co doped ZnO submicrometer crystals: Photoluminescence and magnetic properties. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011 , 208, 2393-2398	1.6	6
75	In-plane stray field induced spin-filtering in a two-dimensional electron gas under the modulation of surface ferromagnetic dual-gate. <i>Journal of Applied Physics</i> , 2010 , 108, 073703	2.5	6
74	Disorder dependent spin-orbit torques in L10 FePt single layer. <i>Applied Physics Letters</i> , 2020 , 117, 242403	3.4	6
73	Polarization modulation resistive switching in a lead-free ferroelectric Pt/Bi _{0.5} Na _{0.5} TiO ₃ /La _{0.67} Sr _{0.33} MnO ₃ sandwiched heterostructure. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 12816-12822	2.1	5
72	Enhanced ferroelectric and UV photocatalytic properties in a Bi ₄ Ti ₃ O ₁₂ @ZnO core/shelled nanostructure. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 1423-1428	2.1	5
71	Enhanced electrical and ferroelectric properties in a multiferroic (BiFeO ₃ /Bi _{0.5} Na _{0.5} TiO ₃) ₃ /LaNiO ₃ superlattices structure. <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 114, 367-372	2.6	5
70	Improved electrical and ferroelectric properties of multiferroic Na _{0.5} Bi _{0.5} TiO ₃ /Bi _{1.07} Nd _{0.03} FeO ₃ /Na _{0.5} Bi _{0.5} TiO ₃ sandwiched structure by a sol-gel process. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 2411-2415	2.1	5
69	The effects of tungsten concentration on crystalline structure and perpendicular magnetic anisotropy of Co-W films. <i>AIP Advances</i> , 2014 , 4, 127156	1.5	5

68	Magneto-optical Kerr effect in L10 FePdPt ternary alloys: Experiments and first-principles calculations. <i>Journal of Applied Physics</i> , 2014 , 115, 183903	2.5	5
67	Butterfly-shaped multiferroic BiFeO ₃ @BaTiO ₃ core-shell nanotubes: the interesting structural, multiferroic, and optical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 1439-1445	2.1	5
66	Confining Zero-Valent Platinum Single Atoms in $\sqrt{3}\times\sqrt{3}$ MoC1 $\sqrt{3}$ for pH-Universal Hydrogen Evolution Reaction. <i>Advanced Functional Materials</i> , 2108464	15.6	5
65	Hybrid magnetoresistance in Pt-based multilayers: Effect originated from strong interfacial spin-orbit coupling. <i>Scientific Reports</i> , 2016 , 6, 20522	4.9	5
64	Interface-driven unusual anomalous Hall effect in MnxGa/Pt bilayers. <i>Physical Review B</i> , 2019 , 100,	3.3	5
63	Coexistence of dielectric relaxation and magnetic relaxation in compressively strained BiFeO ₃ /Ba _{0.7} Sr _{0.3} TiO ₃ superlattices. <i>Applied Physics Letters</i> , 2019 , 114, 112902	3.4	4
62	Magnetic properties of corrosion-resistant CoW films. <i>RSC Advances</i> , 2014 , 4, 26508-26515	3.7	4
61	Room temperature ferromagnetism of boron-doped ZnO nanoparticles prepared by solvothermal method. <i>Rare Metals</i> , 2013 , 32, 264-268	5.5	4
60	Room Temperature Ferromagnetism in Lithium-Doped ZnO. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 3422-3425	2	4
59	Tunable spin-injection and magnetoconductance in a novel 2DEG-ferromagnet structure. <i>Physica Status Solidi (B): Basic Research</i> , 2003 , 235, 157-161	1.3	4
58	Magnetic properties and anomalous Hall effect of Mn ₃ Sn thin films controlled by defects and ferroelectric 0.7Pb(Mg _{1/3} Nb _{2/3})O ₃ /0.3PbTiO ₃ substrate. <i>Rare Metals</i> , 2021 , 40, 2862-2867	5.5	4
57	Exchange bias on polycrystalline BiFeO ₃ /Co ₂ Fe(Al _{0.5} Si _{0.5}) heterostructures. <i>Rare Metals</i> , 2017 , 36, 32-36	5	3
56	Frequency switchable correlated transports in perovskite rare-earth nickelates. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 13630-13637	13	3
55	The Non-Isothermal and Isothermal Crystallization Behavior and Mechanism of FeNi Alloys. <i>Crystal Growth and Design</i> , 2020 , 20, 2187-2193	3.5	3
54	A proposed experimental diagnosing of specular Andreev reflection using the spin orbit interaction. <i>Scientific Reports</i> , 2016 , 6, 29279	4.9	3
53	Heteroepitaxial Pb _{0.9} Sr _{0.1} TiO ₃ /Bi _{0.9} La _{0.1} FeO ₃ /Pb _{0.9} Sr _{0.1} TiO ₃ multiferroic structure: an effective way to improve the electrical, ferroelectric and magnetic performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 8080-8086	2.1	3
52	Role of Micromagnetic States on Spin-Orbit Torque-Switching Schemes. <i>Nano Letters</i> , 2018 , 18, 4074-4080	0.5	3
51	ENHANCED MULTIFERROIC PROPERTIES OF BiFeO ₃ CERAMICS BY Mo DOPING. <i>Modern Physics Letters B</i> , 2011 , 25, 1521-1528	1.6	3

50	Controlled Modulation of Spin Transport Through an Asymmetric Ring With Spin-Orbit Interaction. <i>IEEE Transactions on Magnetics</i> , 2010 , 46, 1471-1474	2	3
49	A novel superimposed porous copper/carbon film derived from polymer matrix as catalyst support for metal-air battery. <i>Journal of Porous Materials</i> , 1	2.4	3
48	The critical role of spin rotation in the giant magnetostriction of La(Fe,Al) ₁₃ . <i>Science China Materials</i> , 2021 , 64, 1238-1245	7.1	3
47	Room-temperature spin transport in InAs nanowire lateral spin valve. <i>RSC Advances</i> , 2016 , 6, 75736-75740	5.7	3
46	Fe ₃ O ₄ @Angelica sinensis polysaccharide nanoparticles as an ultralow-toxicity contrast agent for magnetic resonance imaging. <i>Rare Metals</i> , 2021 , 40, 2486-2493	5.5	3
45	Delta-temperatural electronic transportation achieved in metastable perovskite rare-earth nickelate thin films. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 8101-8108	7.1	2
44	Strain-Controlled Giant Magnetoresistance in Spin Valves Grown on Shape Memory Alloys. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 910-918	4	2
43	Direct observation of magnetic contrast obtained by photoemission electron microscopy with deep ultra-violet laser excitation. <i>Ultramicroscopy</i> , 2019 , 202, 156-162	3.1	2
42	Temperature dependent rectification of La _{0.7} Sr _{0.3} MnO ₃ /PbZr _{0.2} Ti _{0.8} O ₃ /La _{0.7} Te _{0.3} MnO ₃ perovskite p-i-n junctions with ferroelectric barrier. <i>Chemical Physics Letters</i> , 2019 , 721, 68-73	2.5	2
41	Thermal stability, crystallization, and magnetic properties of FeNiBCuNb alloys. <i>Chinese Physics B</i> , 2019 , 28, 087502	1.2	2
40	Interfacial and Magnetic Properties of Pt/Co ₂ FeAl _{0.5} Si _{0.5} /MgO Multilayers With Perpendicular Magnetic Anisotropy. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	2
39	Inverse spin Hall effect in ferromagnetic metal with Rashba spin orbit coupling. <i>AIP Advances</i> , 2012 , 2, 032147	1.5	2
38	Enhancement of Interfacial Polarization in BaTiO ₃ Thin Films via Oxygen Inhomogeneity. <i>Advanced Electronic Materials</i> , 2100876	6.4	2
37	Self-Assembled Hexagonal Lu _{1-x} In _x FeO ₃ Nanopillars Embedded in Orthorhombic Lu _{1-x} In _x FeO ₃ Nanoparticle Matrixes as Room-Temperature Multiferroic Thin Films for Memory Devices and Spintronic Applications. <i>ACS Applied Nano Materials</i> , 2020 , 3, 7516-7523	5.6	2
36	Magnetic properties and anomalous Hall effect in antiferromagnetic Mn ₃ Sn films. <i>Physica B: Condensed Matter</i> , 2021 , 604, 412692	2.8	2
35	Lateral Electric-Field-Controlled Perpendicular Magnetic Anisotropy and Current-Induced Magnetization Switching in Multiferroic Heterostructures. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000229	6.4	2
34	Architecting Braided Porous Carbon Fibers Based on High-Density Catalytic Crystal Planes to Achieve Highly Reversible Sodium-Ion Storage.. <i>Advanced Science</i> , 2022 , e2104780	13.6	2
33	Electric-Field-Controlled Room Temperature AMR Switching in a NiFe/BiFeO ₃ /SrRuO ₃ /SrTiO ₃ (111) Heterostructure. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-3	2	1

32	Magnon-Dragged Magnetoresistance and Spin Seebeck Effect in YIG/IrMn Thin Films. <i>IEEE Transactions on Magnetics</i> , 2018 , 54, 1-5	2	1
31	Tuning Effective Spin Hall Angles via Oxygen Vacancies in Multiferroic BiFeO ₃ -Based Heterostructures. <i>Advanced Electronic Materials</i> , 2019 , 5, 1900435	6.4	1
30	Room temperature ferromagnetism of Si-doped ZnO thin films prepared by sol-gel method. <i>Rare Metals</i> , 2013 , 32, 165-168	5.5	1
29	Current-induced domain wall motion in magnetic nanowires with different dimensions. <i>Science China: Physics, Mechanics and Astronomy</i> , 2012 , 55, 2030-2032	3.6	1
28	INTRINSIC ROOM TEMPERATURE FERROMAGNETISM OF SILICON-DOPED ZnO THIN FILMS. <i>Modern Physics Letters B</i> , 2013 , 27, 1350092	1.6	1
27	Tunable spin-injection and magnetoconductance in a novel 2DEG-ferromagnet structure [phys. stat. sol. (b) 241, No. 1, 222 (2004)]. <i>Physica Status Solidi (B): Basic Research</i> , 2004 , 241, 224-224	1.3	1
26	Modeling of a ferromagnetic two-dimensional electron gas device. <i>IEEE Transactions on Magnetics</i> , 2005 , 41, 1118-1125	2	1
25	The non-isothermal crystallization kinetics and mechanism of FeGaGeBCu alloy. <i>Journal of Non-Crystalline Solids</i> , 2021 , 121310	3.9	1
24	Robust spin-orbit torques in ferromagnetic multilayers with weak bulk spin Hall effect. <i>Applied Physics Letters</i> , 2020 , 117, 122401	3.4	1
23	Prototype Design of a Domain-Wall-Based Magnetic Memory Using a Single Layer LaSrMnO Thin Film. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 23945-23950	9.5	1
22	Geometric size dependence of spin-mixing conductance at Pt/YIG interface. <i>Applied Physics Letters</i> , 2021 , 118, 222402	3.4	1
21	Interface-driven electrical magnetochiral anisotropy in Pt/PtMnGa bilayers. <i>Applied Physics Letters</i> , 2021 , 118, 252403	3.4	1
20	Effect of Si/B ratio on glass-forming ability, phase transitions and magnetic properties in (Fe ₄₀ Ni ₄₀ Si _x ByCu ₁) _{0.97} Nb _{0.03} alloys. <i>Journal of Materials Science</i> , 2021 , 56, 4871-4883	4.3	1
19	Growth Modulation of Super-Tetragonal PbTiO ₃ Thin Films with Self-Assembled Nanocolumn Structures. <i>Advanced Electronic Materials</i> , 2021 , 7, 2100547	6.4	1
18	Room-Temperature Non-Local Spin Transport in Few-Layer Black Phosphorus Passivated with MgO. <i>Advanced Electronic Materials</i> , 2101048	6.4	1
17	Tuning the magnetic anisotropy of La _{0.67} Sr _{0.33} MnO ₃ by CaTiO ₃ spacer layer on the platform of SrTiO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2022 , 554, 169299	2.8	1
16	The Structural, Magnetic, and Transport Properties of the Pulsed Laser-Deposited Co ₂ FeAl Thin Films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2100643	1.6	0
15	Enhanced ferroelectric and photoelectric properties in lead-free Bi _{1.07} FeO ₃ -modified K _{0.5} Na _{0.5} NbO ₃ thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 2051-2060	2.1	0

14	Hydrogen induced electronic transition within correlated perovskite nickelates with heavy rare-earth composition. <i>Applied Physics Letters</i> , 2022 , 120, 092103	3.4	○
13	Frequency regulation in alternating current transportation properties for electron correlated rare-earth nickelates heterostructures. <i>Journal of Applied Physics</i> , 2022 , 131, 075109	2.5	○
12	Architecting a 3D continuous C/CuVO ₃ @Cu composite anode for lithium-ion storage. <i>Surface Innovations</i> , 1-9	1.9	○
11	Effects of P addition on the glass forming ability, crystallization behaviour and soft magnetic properties of FeNi-based amorphous alloy. <i>Intermetallics</i> , 2022 , 144, 107533	3.5	○
10	First-principles calculations on magnetic property of Cu-doped ZnO tuned by Na and Al dopants. <i>Rare Metals</i> , 2015 , 34, 40-44	5.5	
9	Thickness dependence of microstructure and magnetic properties in FePt/B ₄ C multilayer thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2009 , 94, 981-985	2.6	
8	Single-layer magnetic memory based on Rashba three-terminal quantum dot device. <i>Journal of Applied Physics</i> , 2011 , 110, 093713	2.5	
7	Enhanced Electric and Magnetic Properties of the Epitaxial $(\text{Ba}_{0.5}\text{Sr}_{0.5})\text{TiO}_3/\text{BiFeO}_3$ Multiferroic Heterostructure. <i>IEEE Transactions on Magnetics</i> , 2012 , 48, 3418-3421		
6	Spin transfer torque in current-perpendicular-to-plane multilayer structure induced by spin relaxation in the capping layer. <i>Journal of Applied Physics</i> , 2008 , 103, 07A712	2.5	
5	Room temperature spin Hall magnetoresistance at a hetero-interface between multiferroic Bi _{1.05} La _{0.05} FeO ₃ and heavy-metal Pt. <i>Applied Physics Letters</i> , 2022 , 120, 062406	3.4	
4	Magnetic Moment Evolution in FeGaGeB(Si) Alloys that Dominate the Saturation Magnetization. <i>Journal of Superconductivity and Novel Magnetism</i> , 1	1.5	
3	Tailoring large magnetoresistance in Dirac semimetal SrIrO ₃ films. <i>Applied Physics Letters</i> , 2021 , 119, 112402	3.4	
2	Probing the Interlayer Exchange Coupling in Polycrystalline Co ₂ FeAl/Cr/Co ₂ FeAl Multilayers on Different Substrates. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2100867	1.6	
1	Robust interface-induced unusual anomalous Hall effect in Mn ₃ Sn/Pt bilayers. <i>Rare Metals</i> ,	5.5	