

# Yong Jiang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

139  
papers

1,456  
citations

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	Room temperature spin Hall magnetoresistance at a hetero-interface between multiferroic Bi <sub>1.05</sub> La <sub>0.05</sub> FeO <sub>3</sub> and heavy-metal Pt. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 062406	3.4	0
138	Hydrogen induced electronic transition within correlated perovskite nickelates with heavy rare-earth composition. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 092103	3.4	0
137	Frequency regulation in alternating current transportation properties for electron correlated rare-earth nickelates heterostructures. <i>Journal of Applied Physics</i> , <b>2022</b> , 131, 075109	2.5	0
136	Effects of P addition on the glass forming ability, crystallization behaviour and soft magnetic properties of FeNi-based amorphous alloy. <i>Intermetallics</i> , <b>2022</b> , 144, 107533	3.5	0
135	Tuning the magnetic anisotropy of La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> by CaTiO <sub>3</sub> spacer layer on the platform of SrTiO <sub>3</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , <b>2022</b> , 554, 169299	2.8	1
134	Architecting Braided Porous Carbon Fibers Based on High-Density Catalytic Crystal Planes to Achieve Highly Reversible Sodium-Ion Storage.. <i>Advanced Science</i> , <b>2022</b> , e2104780	13.6	2
133	The non-isothermal crystallization kinetics and mechanism of FeGaGeBCu alloy. <i>Journal of Non-Crystalline Solids</i> , <b>2021</b> , 121310	3.9	1
132	The critical role of spin rotation in the giant magnetostriction of La(Fe,Al) <sub>13</sub> . <i>Science China Materials</i> , <b>2021</b> , 64, 1238-1245	7.1	3
131	Prototype Design of a Domain-Wall-Based Magnetic Memory Using a Single Layer LaSrMnO Thin Film. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 23945-23950	9.5	1
130	Geometric size dependence of spin-mixing conductance at Pt/YIG interface. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 222402	3.4	1
129	Interface-driven electrical magnetochiral anisotropy in Pt/PtMnGa bilayers. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 252403	3.4	1
128	Enhanced photoresponse of TiO <sub>2</sub> /MoS <sub>2</sub> heterostructure phototransistors by the coupling of interface charge transfer and photogating. <i>Nano Research</i> , <b>2021</b> , 14, 982-991	10	8
127	Effect of Si/B ratio on glass-forming ability, phase transitions and magnetic properties in (Fe <sub>40</sub> Ni <sub>40</sub> Si <sub>x</sub> ByCu <sub>1</sub> ) <sub>0.97</sub> Nb <sub>0.03</sub> alloys. <i>Journal of Materials Science</i> , <b>2021</b> , 56, 4871-4883	4.3	1
126	Magnetic properties and anomalous Hall effect in antiferromagnetic Mn <sub>3</sub> Sn films. <i>Physica B: Condensed Matter</i> , <b>2021</b> , 604, 412692	2.8	2
125	Fe <sub>3</sub> O <sub>4</sub> @Angelica sinensis polysaccharide nanoparticles as an ultralow-toxicity contrast agent for magnetic resonance imaging. <i>Rare Metals</i> , <b>2021</b> , 40, 2486-2493	5.5	3
124	Position selective dielectric polarization enhancement in CNT based heterostructures for highly efficient microwave absorption. <i>Nanoscale</i> , <b>2021</b> , 13, 2324-2332	7.7	8
123	Enhanced ferroelectric and photoelectric properties in lead-free Bi <sub>1.07</sub> FeO <sub>3</sub> -modified K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> thin films. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 2051-2060	2.1	0

122	Magnetic properties and anomalous Hall effect of Mn <sub>3</sub> Sn thin films controlled by defects and ferroelectric 0.7Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> /0.3PbTiO <sub>3</sub> substrate. <i>Rare Metals</i> , <b>2021</b> , 40, 2862-2867	5.5	4
121	Growth Modulation of Super-Tetragonal PbTiO <sub>3</sub> Thin Films with Self-Assembled Nanocolumn Structures. <i>Advanced Electronic Materials</i> , <b>2021</b> , 7, 2100547	6.4	1
120	Tailoring large magnetoresistance in Dirac semimetal SrIrO <sub>3</sub> films. <i>Applied Physics Letters</i> , <b>2021</b> , 119, 112402	3.4	
119	Unusual anomalous Hall effect in perpendicularly magnetized YIG films with a small Gilbert damping constant. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	8
118	Frequency switchable correlated transports in perovskite rare-earth nickelates. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 13630-13637	13	3
117	The Non-Isothermal and Isothermal Crystallization Behavior and Mechanism of FeNi Alloys. <i>Crystal Growth and Design</i> , <b>2020</b> , 20, 2187-2193	3.5	3
116	Observation of charge to spin conversion in Weyl semimetal WTe <sub>2</sub> at room temperature. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	39
115	Disorder dependent spin-orbit torques in L10 FePt single layer. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 242403	3.4	6
114	Electron-Doping Motttronics in Strongly Correlated Perovskite. <i>Advanced Materials</i> , <b>2020</b> , 32, e1905060	24	14
113	Robust spin-orbit torques in ferromagnetic multilayers with weak bulk spin Hall effect. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 122401	3.4	1
112	Unconventional Charge-Spin Conversion in Weyl-Semimetal WTe. <i>Advanced Materials</i> , <b>2020</b> , 32, e2000818	14	38
111	Self-Assembled Hexagonal Lu <sub>1-x</sub> In <sub>x</sub> FeO <sub>3</sub> Nanopillars Embedded in Orthorhombic Lu <sub>1-x</sub> In <sub>x</sub> FeO <sub>3</sub> Nanoparticle Matrixes as Room-Temperature Multiferroic Thin Films for Memory Devices and Spintronic Applications. <i>ACS Applied Nano Materials</i> , <b>2020</b> , 3, 7516-7523	5.6	2
110	Magnetic-Field-Induced Strong Negative Thermal Expansion in La(Fe,Al) <sub>13</sub> . <i>Chemistry of Materials</i> , <b>2020</b> , 32, 7535-7541	9.6	10
109	Spin-orbit torque-induced multiple magnetization switching behaviors in synthetic antiferromagnets. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 112401	3.4	10
108	Spin Logical and Memory Device Based on the Nonvolatile Ferroelectric Control of the Perpendicular Magnetic Anisotropy in PbZr <sub>0.2</sub> Ti <sub>0.8</sub> O <sub>3</sub> /Co/Pt Heterostructure. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 2000102	6.4	7
107	Lateral Electric-Field-Controlled Perpendicular Magnetic Anisotropy and Current-Induced Magnetization Switching in Multiferroic Heterostructures. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 2000229	6.4	2
106	Overcoming synthetic metastabilities and revealing metal-to-insulator transition & thermistor bi-functionalities for d-band correlation perovskite nickelates. <i>Materials Horizons</i> , <b>2019</b> , 6, 788-795	14.4	24
105	Delta-temperatural electronic transportation achieved in metastable perovskite rare-earth nickelate thin films. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 8101-8108	7.1	2

104	Strain-Controlled Giant Magnetoresistance in Spin Valves Grown on Shape Memory Alloys. <i>ACS Applied Electronic Materials</i> , <b>2019</b> , 1, 910-918	4	2
103	Direct observation of magnetic contrast obtained by photoemission electron microscopy with deep ultra-violet laser excitation. <i>Ultramicroscopy</i> , <b>2019</b> , 202, 156-162	3.1	2
102	Current-controlled propagation of spin waves in antiparallel, coupled domains. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 691-697	28.7	43
101	Coexistence of dielectric relaxation and magnetic relaxation in compressively strained BiFeO <sub>3</sub> /Ba <sub>0.7</sub> Sr <sub>0.3</sub> TiO <sub>3</sub> superlattices. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 112902	3.4	4
100	Temperature dependent rectification of La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> /PbZr <sub>0.2</sub> Ti <sub>0.8</sub> O <sub>3</sub> /La <sub>0.7</sub> Te <sub>0.3</sub> MnO <sub>3</sub> perovskite p-i-n junctions with ferroelectric barrier. <i>Chemical Physics Letters</i> , <b>2019</b> , 721, 68-73	2.5	2
99	Revealing the role of lattice distortions in the hydrogen-induced metal-insulator transition of SmNiO. <i>Nature Communications</i> , <b>2019</b> , 10, 694	17.4	21
98	Thermal stability, crystallization, and magnetic properties of FeNiBCuNb alloys. <i>Chinese Physics B</i> , <b>2019</b> , 28, 087502	1.2	2
97	Tuning Effective Spin Hall Angles via Oxygen Vacancies in Multiferroic BiFeO <sub>3</sub> -Based Heterostructures. <i>Advanced Electronic Materials</i> , <b>2019</b> , 5, 1900435	6.4	1
96	Interface-driven unusual anomalous Hall effect in Mn <sub>x</sub> Ga/Pt bilayers. <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	5
95	Robust emergence of a topological Hall effect in MnGa/heavy metal bilayers. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	12
94	Modulated spin orbit torque in a Pt/Co/Pt/YIG multilayer by nonequilibrium proximity effect. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 022402	3.4	6
93	Negative spin Hall magnetoresistance in antiferromagnetic Cr <sub>2</sub> O <sub>3</sub> /Ta bilayer at low temperature region. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 232404	3.4	32
92	Magnon-Dragged Magnetoresistance and Spin Seebeck Effect in YIG/IrMn Thin Films. <i>IEEE Transactions on Magnetics</i> , <b>2018</b> , 54, 1-5	2	1
91	Large modulation of perpendicular magnetic anisotropy in a BiFeO <sub>3</sub> /Al <sub>2</sub> O <sub>3</sub> /Pt/Co/Pt multiferroic heterostructure via spontaneous polarizations. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 062401	3.4	6
90	Role of Micromagnetic States on Spin-Orbit Torque-Switching Schemes. <i>Nano Letters</i> , <b>2018</b> , 18, 4074-4080	0.5	3
89	Exchange bias on polycrystalline BiFeO <sub>3</sub> /Co <sub>2</sub> Fe(Al <sub>0.5</sub> Si <sub>0.5</sub> ) heterostructures. <i>Rare Metals</i> , <b>2017</b> , 36, 32-35	3.5	3
88	Thickness dependence of magnetic anisotropy and intrinsic anomalous Hall effect in epitaxial Co <sub>2</sub> MnAl film. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2017</b> , 381, 1202-1206	2.3	10
87	Simultaneous laser excitation of backward volume and perpendicular standing spin waves in full-Heusler CoFeAlSi films. <i>Scientific Reports</i> , <b>2017</b> , 7, 42513	4.9	10

86	Enhanced spin-orbit torques in MnAl/Ta films with improving chemical ordering. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 142401	3.4	16
85	Bias dependence of spin transfer torque in Co <sub>2</sub> MnSi Heusler alloy based magnetic tunnel junctions. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 172403	3.4	13
84	Ultra-large non-volatile modulation of magnetic moments in PbZrTiO <sub>3</sub> /MgO/LaSrMnO <sub>3</sub> heterostructure at room temperature via interfacial polarization mediation. <i>Scientific Reports</i> , <b>2017</b> , 7, 2627	4.9	6
83	Polarization modulation resistive switching in a lead-free ferroelectric Pt/Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> /La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> sandwiched heterostructure. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 12816-12822	2.1	5
82	Strain-controlled giant magnetoresistance of a spin valve grown on a flexible substrate. <i>RSC Advances</i> , <b>2016</b> , 6, 88090-88095	3.7	6
81	Anomalous Hall effect in Mn <sub>1.5</sub> Ga/Ta and Mn <sub>1.5</sub> Ga/Pt bilayers: Modification from spin-orbit coupling of heavy metals. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	25
80	A proposed experimental diagnosing of specular Andreev reflection using the spin orbit interaction. <i>Scientific Reports</i> , <b>2016</b> , 6, 29279	4.9	3
79	Heteroepitaxial Pb <sub>0.9</sub> Sr <sub>0.1</sub> TiO <sub>3</sub> /Bi <sub>0.9</sub> La <sub>0.1</sub> FeO <sub>3</sub> /Pb <sub>0.9</sub> Sr <sub>0.1</sub> TiO <sub>3</sub> multiferroic structure: an effective way to improve the electrical, ferroelectric and magnetic performance. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2016</b> , 27, 8080-8086	2.1	3
78	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> , <b>2016</b> , 94,	3.3	30
77	Modulated switching current density and spin-orbit torques in MnGa/Ta films with inserting ferromagnetic layers. <i>Scientific Reports</i> , <b>2016</b> , 6, 38375	4.9	24
76	Hybrid magnetoresistance in Pt-based multilayers: Effect originated from strong interfacial spin-orbit coupling. <i>Scientific Reports</i> , <b>2016</b> , 6, 20522	4.9	5
75	Perpendicular magnetic anisotropy of Pt/Co <sub>2</sub> FeAl <sub>0.5</sub> Si <sub>0.5</sub> /MgAl <sub>2</sub> O <sub>4</sub> trilayers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2016</b> , 213, 2780-2784	1.6	11
74	Room-temperature spin transport in InAs nanowire lateral spin valve. <i>RSC Advances</i> , <b>2016</b> , 6, 75736-75740	4.7	3
73	Electric-Field-Controlled Room Temperature AMR Switching in a NiFe/BiFeO <sub>3</sub> /SrRuO <sub>3</sub> /SrTiO <sub>3</sub> (111) Heterostructure. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-3	2	1
72	First-principles calculations on magnetic property of Cu-doped ZnO tuned by Na and Al dopants. <i>Rare Metals</i> , <b>2015</b> , 34, 40-44	5.5	
71	Strain-mediated electric-field control of exchange bias in a Co <sub>90</sub> Fe <sub>10</sub> /BiFeO <sub>3</sub> /SrRuO <sub>3</sub> /PMN-PT heterostructure. <i>Scientific Reports</i> , <b>2015</b> , 5, 8905	4.9	46
70	Low-energy Resistive Random Access Memory Devices with No Need for a Compliance Current. <i>Scientific Reports</i> , <b>2015</b> , 5, 10409	4.9	20
69	Perpendicular Magnetic Anisotropy in Co-Based Full Heusler Alloy Thin Films. <i>Spin</i> , <b>2015</b> , 05, 1540012	1.3	12

68	Evaluation of hyperthermia of magnetic nanoparticles by dehydrating DNA. <i>Scientific Reports</i> , <b>2014</b> , 4, 7216	4.9	25
67	Enhanced ferroelectric and UV photocatalytic properties in a Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> @ZnO core/shelled nanostructure. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2014</b> , 25, 1423-1428	2.1	5
66	Enhanced electrical and ferroelectric properties in a multiferroic (BiFeO <sub>3</sub> /Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> ) <sub>3</sub> /LaNiO <sub>3</sub> superlattices structure. <i>Applied Physics A: Materials Science and Processing</i> , <b>2014</b> , 114, 367-372	2.6	5
65	Magnetic properties of corrosion-resistant Co/W films. <i>RSC Advances</i> , <b>2014</b> , 4, 26508-26515	3.7	4
64	Improved electrical and ferroelectric properties of multiferroic Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> /Bi <sub>1.07</sub> Nd <sub>0.03</sub> FeO <sub>3</sub> /Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> sandwiched structure by a sol-gel process. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2014</b> , 25, 2411-2415	2.1	5
63	Perpendicular magnetic anisotropy and thermal stability in Co <sub>2</sub> FeAl <sub>0.5</sub> Si <sub>0.5</sub> /Pt multilayers. <i>Applied Physics A: Materials Science and Processing</i> , <b>2014</b> , 117, 773-779	2.6	12
62	The effects of tungsten concentration on crystalline structure and perpendicular magnetic anisotropy of Co-W films. <i>AIP Advances</i> , <b>2014</b> , 4, 127156	1.5	5
61	Magneto-optical Kerr effect in L10 FePdPt ternary alloys: Experiments and first-principles calculations. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 183903	2.5	5
60	Effects of annealing and MgO thickness on perpendicular magnetic anisotropy in Pt/Co <sub>2</sub> FeAl <sub>0.5</sub> Si <sub>0.5</sub> /MgO/Pt multilayers. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2014</b> , 211, 606-610	1.6	9
59	Interfacial and Magnetic Properties of Pt/Co <sub>2</sub> FeAl <sub>0.5</sub> Si <sub>0.5</sub> /MgO Multilayers With Perpendicular Magnetic Anisotropy. <i>IEEE Transactions on Magnetics</i> , <b>2014</b> , 50, 1-4	2	2
58	Room temperature ferromagnetism of boron-doped ZnO nanoparticles prepared by solvothermal method. <i>Rare Metals</i> , <b>2013</b> , 32, 264-268	5.5	4
57	Room temperature ferromagnetism of Si-doped ZnO thin films prepared by sol-gel method. <i>Rare Metals</i> , <b>2013</b> , 32, 165-168	5.5	1
56	Monodisperse magnetic metallic nanoparticles: synthesis, performance enhancement, and advanced applications. <i>Rare Metals</i> , <b>2013</b> , 32, 323-331	5.5	22
55	Anomalous Hall effect in magnetic disordered alloys: Effects of spin orbital coupling. <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 243912	2.5	6
54	Butterfly-shaped multiferroic BiFeO <sub>3</sub> @BaTiO <sub>3</sub> core/shell nanotubes: the interesting structural, multiferroic, and optical properties. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2013</b> , 24, 1439-1445	2.1	5
53	Enhanced fatigue and ferroelectric properties in multiferroic (Ba <sub>0.7</sub> Sr <sub>0.3</sub> )TiO <sub>3</sub> /(Bi <sub>1.05</sub> La <sub>0.05</sub> )FeO <sub>3</sub> epitaxial heterostructures. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 232902	3.4	17
52	The Anomalous Hall Effect of Co <sub>2</sub> FeAl <sub>0.5</sub> Si <sub>0.5</sub> /Pt Multilayers with Perpendicular Magnetic Anisotropy. <i>Applied Physics Express</i> , <b>2013</b> , 6, 113003	2.4	11
51	The effects of Cu doping on crystalline structure and magnetic properties of SmCo <sub>5-x</sub> Cu <sub>x</sub> thin films grown on Ru (0002). <i>Journal of Applied Physics</i> , <b>2013</b> , 114, 213908	2.5	6

50	INTRINSIC ROOM TEMPERATURE FERROMAGNETISM OF SILICON-DOPED ZnO THIN FILMS. <i>Modern Physics Letters B</i> , <b>2013</b> , 27, 1350092	1.6	1
49	Effects of dopants on magnetic properties of Cu-doped ZnO thin films. <i>Journal of Materials Science</i> , <b>2012</b> , 47, 530-533	4.3	10
48	Dielectric property and electrical conduction mechanism of ZrO <sub>2</sub> /TiO <sub>2</sub> composite thin films. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2012</b> , 23, 174-179	2.1	7
47	Ultra-thin BiFeO <sub>3</sub> 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> , <b>2012</b> , 23, 180-184 <sup>2,1</sup>	2.1	20
46	Current-induced domain wall motion in magnetic nanowires with different dimensions. <i>Science China: Physics, Mechanics and Astronomy</i> , <b>2012</b> , 55, 2030-2032	3.6	1
45	Inverse spin Hall effect in ferromagnetic metal with Rashba spin orbit coupling. <i>AIP Advances</i> , <b>2012</b> , 2, 032147	1.5	2
44	Dependence of ferromagnetic properties on growth oxygen partial pressure in boron-doped ZnO thin films. <i>Journal of Materials Science</i> , <b>2012</b> , 47, 6513-6516	4.3	10
43	Effect of annealing atmosphere on magnetic properties of pure ZnO and Na: ZnO films. <i>Rare Metals</i> , <b>2012</b> , 31, 27-30	5.5	10
42	Electronic structures of Heusler alloy Co <sub>2</sub> FeAl <sub>1-x</sub> Si <sub>x</sub> surface. <i>Rare Metals</i> , <b>2012</b> , 31, 107-111	5.5	16
41	Electronic structures of new tunnel barrier spinel MgAl <sub>2</sub> O <sub>4</sub> : first-principles calculations. <i>Rare Metals</i> , <b>2012</b> , 31, 112-116	5.5	10
40	Effect of defect complex on magnetic properties of (Fe, Mn)-doped ZnO thin films. <i>Rare Metals</i> , <b>2012</b> , 31, 154-157	5.5	14
39	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> , <b>2012</b> , 48, 3418-3421	3.4	21
38	Room Temperature Ferromagnetism in Lithium-Doped ZnO. <i>IEEE Transactions on Magnetics</i> , <b>2012</b> , 48, 3422-3425	2	4
37	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> , <b>2011</b> , 208, 2393-2398	1.6	6
36	Bi-relaxation behaviors in epitaxial multiferroic double-perovskite BiFe <sub>0.5</sub> Mn <sub>0.5</sub> O <sub>3</sub> /CaRuO <sub>3</sub> heterostructures. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 062905	3.4	21
35	Evidence of interface conversion and electrical characteristics improvement of ultra-thin HfTiO films upon rapid thermal annealing. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 182904	3.4	11
34	Single-layer magnetic memory based on Rashba three-terminal quantum dot device. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 093713	2.5	
33	Defects control for improved electrical properties in (Ba <sub>0.8</sub> Sr <sub>0.2</sub> )(Zr <sub>0.2</sub> Ti <sub>0.8</sub> )O <sub>3</sub> films by Co acceptor doping. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 232910	3.4	10

32	Tuning perpendicular magnetic anisotropy and coercivity of L10-FePt nanocomposite film by interfacial manipulation. <i>Journal of Applied Physics</i> , <b>2011</b> , 109, 063918	2.5	9
31	ENHANCED MULTIFERROIC PROPERTIES OF BiFeO <sub>3</sub> CERAMICS BY Mo DOPING. <i>Modern Physics Letters B</i> , <b>2011</b> , 25, 1521-1528	1.6	3
30	Perpendicularizing magnetic anisotropy of full-Heusler Co <sub>2</sub> FeAl films by cosputtering with terbium. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 142505	3.4	14
29	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> , <b>2010</b> , 108, 073703	2.5	6
28	Intrinsic room temperature ferromagnetism in boron-doped ZnO. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 232502	3.4	62
27	Controlled Modulation of Spin Transport Through an Asymmetric Ring With Spin-Orbit Interaction. <i>IEEE Transactions on Magnetics</i> , <b>2010</b> , 46, 1471-1474	2	3
26	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> , <b>2009</b> , 27, 1231-1234	2.9	8
25	Improved thermal stability, interface, and electrical properties of HfO <sub>2</sub> films prepared by pulsed laser deposition using in situ ionized nitrogen. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 032905	3.4	22
24	Ionized-oxygen vacancies related dielectric relaxation in heteroepitaxial K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> /La <sub>0.67</sub> Sr <sub>0.33</sub> MnO <sub>3</sub> structure at elevated temperature. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 132905	3.4	36
23	Synthetic antiferromagnet with Heusler alloy Co <sub>2</sub> FeAl ferromagnetic layers. <i>Journal of Applied Physics</i> , <b>2009</b> , 106, 123902	2.5	12
22	Thickness dependence of microstructure and magnetic properties in FePt/B <sub>4</sub> C multilayer thin films. <i>Applied Physics A: Materials Science and Processing</i> , <b>2009</b> , 94, 981-985	2.6	
21	Enhancement of Magnetic Properties for FePt Nanoparticles by Rapid Annealing in a Vacuum. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 19867-19870	3.8	15
20	Ballistic electron transport in hybrid ferromagnet/two-dimensional electron gas sandwich nanostructure: Spin polarization and magnetoresistance effect. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 013708	2.5	19
19	Interface control and leakage current conduction mechanism in HfO <sub>2</sub> film prepared by pulsed laser deposition. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 202904	3.4	53
18	Spin transfer torque in current-perpendicular-to-plane multilayer structure induced by spin relaxation in the capping layer. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 07A712	2.5	
17	Structure and electrical properties of HfO <sub>2</sub> high-k films prepared by pulsed laser deposition on Si (100). <i>Applied Physics A: Materials Science and Processing</i> , <b>2008</b> , 93, 681-684	2.6	28
16	Modeling of a ferromagnetic two-dimensional electron gas device. <i>IEEE Transactions on Magnetics</i> , <b>2005</b> , 41, 1118-1125	2	1
15	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> , <b>2005</b> , 86, 242506	3.4	31



14	Magnetic switching properties of magnetic tunnel junctions using a synthetic ferrimagnet free layer. <i>Journal of Applied Physics</i> , <b>2004</b> , 95, 3745-3748	2.5	15
13	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> , <b>2004</b> , 92, 167204	7.4	86
12	Substantial reduction of critical current for magnetization switching in an exchange-biased spin valve. <i>Nature Materials</i> , <b>2004</b> , 3, 361-4	27	113
11	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> , <b>2004</b> , 241, 224-224	1.3	1
10	Tunable spin-injection and magnetoconductance in a novel 2DEG-ferromagnet structure. <i>Physica Status Solidi (B): Basic Research</i> , <b>2003</b> , 235, 157-161	1.3	4
9	The Structural, Magnetic, and Transport Properties of the Pulsed Laser-Deposited Co <sub>2</sub> FeAl Thin Films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2100643	1.6	0
8	Confining Zero-Valent Platinum Single Atoms in $\text{MoC1}_x$ for pH-Universal Hydrogen Evolution Reaction. <i>Advanced Functional Materials</i> , 2108464	15.6	5
7	Magnetic Moment Evolution in FeGaGeB(Si) Alloys that Dominate the Saturation Magnetization. <i>Journal of Superconductivity and Novel Magnetism</i> , 1	1.5	
6	Enhancement of Interfacial Polarization in BaTiO <sub>3</sub> Thin Films via Oxygen Inhomogeneity. <i>Advanced Electronic Materials</i> , 2100876	6.4	2
5	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
4	Room-Temperature Non-Local Spin Transport in Few-Layer Black Phosphorus Passivated with MgO. <i>Advanced Electronic Materials</i> , 2101048	6.4	1
3	Architecting a 3D continuous C/CuVO <sub>3</sub> @Cu composite anode for lithium-ion storage. <i>Surface Innovations</i> , 1-9	1.9	0
2	Probing the Interlayer Exchange Coupling in Polycrystalline Co <sub>2</sub> FeAl/Cr/Co <sub>2</sub> 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 <sub>3</sub> Sn/Pt bilayers. <i>Rare Metals</i> ,	5.5	