

# Jin-Bo Yang

## List of Publications by Year in descending order

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175  
papers

5,518  
citations

70961

41  
h-index

102304

66  
g-index

177  
all docs

177  
docs citations

177  
times ranked

5492  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum spin Hall insulators and quantum valley Hall insulators of BiX/SbX (X=H, F, Cl and Br) monolayers with a record bulk band gap. NPG Asia Materials, 2014, 6, e147-e147.	3.8	242
2	Interfacial Properties of Monolayer and Bilayer MoS <sub>2</sub> Contacts with Metals: Beyond the Energy Band Calculations. Scientific Reports, 2016, 6, 21786.	1.6	224
3	Monolayer Phosphorene-metal Contacts. Chemistry of Materials, 2016, 28, 2100-2109.	3.2	199
4	High-performance sub-10 nm monolayer Bi <sub>2</sub> O <sub>2</sub> Se transistors. Nanoscale, 2019, 11, 532-540.	2.8	196
5	Does p-type ohmic contact exist in WSe <sub>2</sub> -metal interfaces?. Nanoscale, 2016, 8, 1179-1191.	2.8	166
6	Magnetic properties of the MnBi intermetallic compound. Applied Physics Letters, 2001, 79, 1846-1848.	1.5	147
7	Low-energy effective Hamiltonian for giant-gap quantum spin Hall insulators in honeycomb X-hydride/halide monolayers. Applied Physics Letters, 2014, 90, .	1.1	119
8	Anisotropic nanocrystalline MnBi with high coercivity at high temperature. Applied Physics Letters, 2011, 99, 082505.	1.5	115
9	Tunable magnetic and microwave absorption properties of Sm <sub>1.5</sub> Y <sub>0.5</sub> Fe <sub>17-x</sub> Si <sub>x</sub> and their composites. Acta Materialia, 2018, 145, 331-336.	3.8	115
10	Comprehensive study of the resistance switching in SrTiO <sub>3</sub> and Nb-doped SrTiO <sub>3</sub> . Applied Physics Letters, 2011, 98, .	1.5	110
11	Many-Body Effect and Device Performance Limit of Monolayer InSe. ACS Applied Materials & Interfaces, 2018, 10, 23344-23352.	4.0	98
12	Performance Upper Limit of sub-10 nm Monolayer MoS <sub>2</sub> Transistors. Advanced Electronic Materials, 2016, 2, 1600191.	2.6	97
13	Schottky barrier heights in two-dimensional field-effect transistors: from theory to experiment. Reports on Progress in Physics, 2021, 84, 056501.	8.1	97
14	Does the Dirac Cone Exist in Silicene on Metal Substrates?. Scientific Reports, 2014, 4, 5476.	1.6	92
15	Harnessing Orbital-to-Spin Conversion of Interfacial Orbital Currents for Efficient Spin-Orbit Torques. Physical Review Letters, 2020, 125, 177201.	2.9	92
16	Tailoring Co3d and O2p Band Centers to Inhibit Oxygen Escape for Stable 4.6V LiCoO <sub>2</sub> Cathodes. Angewandte Chemie - International Edition, 2021, 60, 27102-27112.	7.2	89
17	Monolayer tellurene-metal contacts. Journal of Materials Chemistry C, 2018, 6, 6153-6163.	2.7	81
18	Sub-10Ånm two-dimensional transistors: Theory and experiment. Physics Reports, 2021, 938, 1-72.	10.3	80

#	ARTICLE	IF	CITATIONS
19	Simultaneously tuning cationic and anionic redox in a $\text{P2-Na}_{0.67}\text{Mn}_{0.75}\text{Ni}_{0.25}\text{O}_{2}$ cathode material through synergic Cu/Mg co-doping. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9099-9109.	5.2	76
20	Monolayer Bismuthene-Metal Contacts: A Theoretical Study. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 23128-23140.	4.0	73
21	Interfacial Dzyaloshinskii-Moriya interaction and chiral magnetic textures in a ferrimagnetic insulator. <i>Physical Review B</i> , 2019, 100, .	1.1	73
22	Three-layer phosphorene-metal interfaces. <i>Nano Research</i> , 2018, 11, 707-721.	5.8	72
23	Epitaxial growth of $\text{Y3Fe5O12}$ thin films with perpendicular magnetic anisotropy. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	71
24	Interfacial Properties of Monolayer $\text{MoSe}_2$ "Metal Contacts. <i>Journal of Physical Chemistry C</i> , 2016, 120, 13063-13070.	1.5	70
25	Can a Black Phosphorus Schottky Barrier Transistor Be Good Enough?. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 3959-3966.	4.0	70
26	Sub 10 nm Bilayer $\text{Bi}_2\text{O}_2\text{Se}$ Transistors. <i>Advanced Electronic Materials</i> , 2019, 5, 1800720.	2.6	70
27	Excellent Device Performance of Sub-5 nm Monolayer Tellurene Transistors. <i>Advanced Electronic Materials</i> , 2019, 5, 1900226.	2.6	65
28	Magnetic Structure and Metamagnetic Transitions in the van der Waals Antiferromagnet $\text{CrPS}_4$ . <i>Advanced Materials</i> , 2020, 32, e2001200.	11.1	60
29	All-Metallic Vertical Transistors Based on Stacked Dirac Materials. <i>Advanced Functional Materials</i> , 2015, 25, 68-77.	7.8	59
30	$\text{I}_2$ -MnAl with high coercivity and saturation magnetization. <i>AIP Advances</i> , 2014, 4, .	0.6	58
31	Improving the cycling and air-storage stability of $\text{LiNi}_{0.8}\text{Co}_{0.1}\text{Mn}_{0.1}\text{O}_2$ through integrated surface/interface/doping engineering. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5234-5245.	5.2	56
32	Electrical contacts in monolayer blue phosphorene devices. <i>Nano Research</i> , 2018, 11, 1834-1849.	5.8	55
33	Understanding the Enhancement Mechanism of A-Site-Deficient $\text{La}_{1-x}\text{NiO}_3$ as an Oxygen Redox Catalyst. <i>Chemistry of Materials</i> , 2020, 32, 1864-1875.	3.2	54
34	Room-Temperature Ferroelectricity in $\text{La}_{1-x}\text{NiO}_3$ Multilayers. <i>Physical Review Letters</i> , 2022, 128, 067601.	2.9	52
35	Vapor Deposition of Magnetic Van der Waals $\text{Ni}_2$ Crystals. <i>ACS Nano</i> , 2020, 14, 10544-10551.	7.3	51
36	Coercivity enhancement in Dy-free $\text{Nd-Fe-B}$ sintered magnets by using Pr-Cu alloy. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	50

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37	Spontaneous valley splitting and valley pseudospin field effect transistors of monolayer $\text{VAgPSe}_6$ . <i>Nanoscale</i> , 2018, 10, 13986-13993.	2.8	50
38	Research and development of high-performance new microwave absorbers based on rare earth transition metal compounds: A review. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 497, 165961.	1.0	47
39	Observation of the Orbital Rashba-Edelstein Magnetoresistance. <i>Physical Review Letters</i> , 2022, 128, 067201.	2.9	46
40	Crystal structure, magnetic properties, and Mössbauer studies of $\text{La}_{0.6}\text{Sr}_{0.4}\text{FeO}_3$ prepared by quenching in different atmospheres. <i>Physical Review B</i> , 2002, 66, .	1.1	45
41	Damage Tolerance and Extensive Plastic Deformation of $\text{Yb}_2\text{Si}_2\text{O}_7$ from Room to High Temperatures. <i>Journal of the American Ceramic Society</i> , 2015, 98, 2843-2851.	1.9	45
42	Preparation and magnetic properties of MnBi. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	43
43	Silicene nanomesh. <i>Scientific Reports</i> , 2015, 5, 9075.	1.6	42
44	Schottky Contact in Monolayer $\text{WS}_2$ Field-Effect Transistors. <i>Advanced Theory and Simulations</i> , 2019, 2, 1900001.	1.3	42
45	Magnetic properties and magnetic domain structures of $\text{NdFe}_{10.5}\text{Mo}_{1.5}$ and $\text{NdFe}_{10.5}\text{Mo}_{1.5}\text{Nx}$ . <i>Applied Physics Letters</i> , 1997, 71, 3290-3292.	1.5	41
46	Improvement of coercivity and thermal stability of anisotropic $\text{Nd}_{13}\text{Fe}_{79.4}\text{B}_{7}\text{Nb}_{0.3}\text{Ga}_{0.3}$ powders by diffusion of Pr-Cu alloys. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	38
47	Spin Hall effect of light reflected from a magnetic thin film. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	36
48	Improving the Performance of Layered Oxide Cathode Materials with Football-Like Hierarchical Structure for Na-Ion Batteries by Incorporating $\text{Mg}^{2+}$ into Vacancies in Na-Ion Layers. <i>ChemSusChem</i> , 2018, 11, 1223-1231.	3.6	35
49	Modulating the Electrochemical Performances of Layered Cathode Materials for Sodium Ion Batteries through Tuning Coulombic Repulsion between Negatively Charged $\text{TMO}_2$ Slabs. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 1707-1718.	4.0	34
50	2D $\text{FeOCl}$ : A Highly In-Plane Anisotropic Antiferromagnetic Semiconductor Synthesized via Temperature-Oscillation Chemical Vapor Transport. <i>Advanced Materials</i> , 2022, 34, e2108847.	11.1	34
51	n-Type Ohmic contact and p-type Schottky contact of monolayer InSe transistors. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 24641-24651.	1.3	33
52	High frequency electromagnetic properties of interstitial-atom-modified $\text{Ce}_2\text{Fe}_{17}\text{NX}$ and its composites. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	32
53	Monolayer GaS with high ion mobility and capacity as a promising anode battery material. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14042-14050.	5.2	32
54	Structural properties and large coercivity of bulk $\text{Mn}_3\text{Ga}$ (0 at% x 1.15). <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	31

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55	Preparation and magnetic properties of MnBi-based hard/soft composite magnets. Journal of Applied Physics, 2014, 115, .	1.1	29
56	Dual regulation of Li <sup>+</sup> migration of Li <sub>6.4</sub> La <sub>3</sub> Zr <sub>1.4</sub> M <sub>0.6</sub> O <sub>12</sub> (M=Sb, Ta, Nb) by bottleneck size and bond length of M <sup>+</sup> O. Journal of the American Ceramic Society, 2020, 103, 2483-2490.	1.9	29
57	Monolayer Honeycomb Borophene: A Promising Anode Material with a Record Capacity for Lithium-Ion and Sodium-Ion Batteries. Journal of the Electrochemical Society, 2020, 167, 090527.	1.3	28
58	Structure and exchange bias of Ni <sub>50</sub> Mn <sub>37</sub> Sn <sub>13</sub> ribbons. Journal of Applied Physics, 2012, 111, .	1.1	27
59	A Quaternary van der Waals Ferromagnetic Semiconductor AgV <sub>2</sub> Se <sub>6</sub> . Advanced Functional Materials, 2020, 30, 1910036.	7.8	27
60	Ab initio calculation of interstitial-atom effects in YFe <sub>10</sub> Mo <sub>2</sub> X (X=E, H, B, C, N, O, F). Physical Review B, 1997, 56, 15647-15653.	1.1	26
61	One step preparation of pure $\gamma$ -MnAl phase with high magnetization using strip casting method. AIP Advances, 2017, 7, 056213.	0.6	25
62	Mn-based permanent magnets. Chinese Physics B, 2018, 27, 117503.	0.7	25
63	Transport Anomaly in Perpendicular Magnetic Anisotropic NiCo <sub>2</sub> O <sub>4</sub> Thin Films with Column-like Phase Separation. ACS Applied Electronic Materials, 2020, 2, 3964-3970.	2.0	23
64	The effect of samarium substitution on magnetic properties and microwave absorption of the rare earth-iron-boron compounds and composites. Journal of Alloys and Compounds, 2020, 825, 154179.	2.8	23
65	“ $\epsilon$ ”- $\gamma$ phase transition in Na <sub>0.67</sub> Mn <sub>0.5</sub> Fe <sub>0.5</sub> O <sub>2</sub> induced by pressure. Science China Materials, 2020, 17, 111-116.	1.5	23
66	Giant tunnelling electroresistance through 2D sliding ferroelectric materials. Materials Horizons, 2022, 9, 1422-1430.	6.4	23
67	Interfacial Properties of Monolayer Antimonene Devices. Physical Review Applied, 2019, 11, .	1.5	22
68	Layer-Dependent Giant Magnetoresistance in Two-Dimensional $\text{CrPS}_4$ Magnetic Tunnel Junctions. Physical Review Applied, 2021, 16, .	1.5	22
69	Performance Limit of Ultrathin GaAs Transistors. ACS Applied Materials & Interfaces, 2022, 14, 23597-23609.	4.0	22
70	Trap-assisted tunneling resistance switching effect in CeO <sub>2</sub> /La <sub>0.7</sub> (Sr <sub>0.1</sub> Ca <sub>0.9</sub> ) <sub>0.3</sub> MnO <sub>3</sub> heterostructure. Applied Physics Letters, 2012, 101, .	1.5	21
71	Extreme Suppression of Antiferromagnetic Order and Critical Scaling in a Two-Dimensional Random Quantum Magnet. Physical Review Letters, 2021, 126, 037201.	2.9	21
72	Magnetic Phase Transitions and Magnetoelastic Coupling in a Two-Dimensional Stripy Antiferromagnet. Nano Letters, 2022, 22, 1233-1241.	4.5	21

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73	Coercivity enhancement of anisotropic die-upset Nd-Fe-B powders by Pr-Cu alloy diffusion. Journal of Applied Physics, 2013, 113, .	1.1	20
74	Unusual Fermi-Level Pinning and Ohmic Contact at Monolayer Bi <sub>2</sub> O <sub>2</sub> Se-Metal Interface. Advanced Theory and Simulations, 2019, 2, 1800178.	1.3	20
75	Tailoring Co3d and O2p Band Centers to Inhibit Oxygen Escape for Stable 4.6V LiCoO <sub>2</sub> Cathodes. Angewandte Chemie, 2021, 133, 27308-27318.	1.6	20
76	Planar Direction-Dependent Interfacial Properties in Monolayer In <sub>2</sub> Se <sub>3</sub> -Metal Contacts. Physica Status Solidi (B): Basic Research, 2020, 257, 1900198.	0.7	19
77	Identifying the origin of the nonmonotonic thickness dependence of spin-orbit torque and interfacial Dzyaloshinskii-Moriya interaction in a ferrimagnetic insulator heterostructure. Physical Review B, 2020, 102, .	1.1	19
78	Sub-5 nm Gate Length Monolayer MoTe <sub>2</sub> Transistors. Journal of Physical Chemistry C, 2021, 125, 19394-19404.	1.5	19
79	Layer-Number-Dependent Antiferromagnetic and Ferromagnetic Behavior in $MnSb_2$ . Physical Review Letters, 2022, 128, 017201.	2.9	19
80	Stability and its mechanism in Ag/CoOx/Ag interface-type resistive switching device. Scientific Reports, 2016, 6, 35630.	1.6	18
81	Microwave absorbing properties of Y <sub>2</sub> Fe <sub>16</sub> Si micropowders with broad bandwidth and strong absorption. Journal Physics D: Applied Physics, 2020, 53, 115001.	1.3	18
82	Ferromagnetism in two-dimensional $Fe_3Sn_2$ ; Tunability by hydrostatic pressure. Physical Review B, 2021, 103, .	1.3	18
83	Self-biased magnetoelectric switching at room temperature in three-phase ferroelectric-antiferromagnetic-ferrimagnetic nanocomposites. Nature Electronics, 2021, 4, 333-341.	13.1	18
84	Structural evolution, site ordering and magnetic properties of tetragonal Mn <sub>6-2y</sub> Ga <sub>2+y</sub> (0 ≤ y ≤ 1.64). Scripta Materialia, 2017, 129, 6-10.	2.6	17
85	Pervasive Ohmic Contacts in Bilayer Bi <sub>2</sub> O <sub>2</sub> Se-Metal Interfaces. Journal of Physical Chemistry C, 2019, 123, 8923-8931.	1.5	17
86	The asymmetric magnetization reversal in exchange biased granular Co/CoO films. Applied Physics Letters, 2014, 104, .	1.5	16
87	Tunable Valley Polarization and Valley Orbital Magnetic Moment Hall Effect in Honeycomb Systems with Broken Inversion Symmetry. Scientific Reports, 2015, 5, 13906.	1.6	16
88	Enhancement of exchange bias in ferromagnetic/antiferromagnetic core-shell nanoparticles through ferromagnetic domain wall formation. Physical Review B, 2018, 97, .	1.1	16
89	Can ultra-thin Si FinFETs work well in the sub-10 nm gate-length region?. Nanoscale, 2021, 13, 5536-5544.	2.8	15
90	Magnetic properties and magnetocaloric effect of (Mn <sub>1-x</sub> Fe <sub>x</sub> ) <sub>5</sub> Sn <sub>3</sub> (0 ≤ x ≤ 0.5) compounds. Journal of Applied Physics, 2013, 113, .	1.1	14

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91	Bilayer Tellurene: A Potential p-type Channel Material for Sub-10 nm Transistors. <i>Advanced Theory and Simulations</i> , 2021, 4, 2000252.	1.3	14
92	Free-standing 2D non-van der Waals antiferromagnetic hexagonal FeSe semiconductor: halide-assisted chemical synthesis and Fe <sup>2+</sup> related magnetic transitions. <i>Chemical Science</i> , 2021, 13, 203-209.	3.7	14
93	Bifurcation of a topological skyrmion string. <i>Physical Review B</i> , 2022, 105, .	1.1	14
94	Stepwise work hardening induced by individual grain boundary in Cu bicrystal micropillars. <i>Scientific Reports</i> , 2015, 5, 15631.	1.6	13
95	Exchange bias of Co <sub>1-x</sub> (NiFe) <sub>x</sub> system with blocking temperature beyond Néel temperature of bulk CoO. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	13
96	Research and Development of Interstitial Compounds. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-6.	1.2	13
97	n- and p-type ohmic contacts at monolayer gallium nitride-metal interfaces. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 24239-24249.	1.3	13
98	Computational Study of Ohmic Contact at Bilayer InSe-Metal Interfaces: Implications for Field-Effect Transistors. <i>ACS Applied Nano Materials</i> , 2019, 2, 6898-6908.	2.4	13
99	Crystal structure, magnetic and microwave absorption properties of Ce <sub>2-x</sub> Sm <sub>x</sub> Fe <sub>17</sub> N <sub>3</sub> intermetallics/paraffin composites. <i>Materials Research Express</i> , 2019, 6, 016103.	0.8	13
100	A new quantitative analysis method for electromagnetic energy dissipation in microwave absorption materials. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 516, 167332.	1.0	13
101	Tunable giant exchange bias in the single-phase rare-earth-transition metal intermetallics $YM_{12}M_x$ with highly homogenous intersublattice exchange coupling. <i>Physical Review B</i> , 2017, 96, .	1.1	13
102	Anomalous Hall effect in magnetic insulator heterostructures: Contributions from spin-Hall and magnetic-proximity effects. <i>Physical Review B</i> , 2021, 104, .	1.1	13
103	Anisotropic ternary Pr <sub>13</sub> Fe <sub>80</sub> B <sub>7</sub> powders prepared by hydrogenation disproportionation desorption recombination process. <i>Journal of Applied Physics</i> , 2005, 97, 10F305.	1.1	12
104	Preparation of Anisotropic $Sm_{17}Fe_{17}N_x$ Magnetic Materials by Strip Casting Technique. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 3248-3250.	1.2	12
105	Spin switching temperature modulated by the magnetic field and spontaneous exchange bias effect in single crystal SmFeO <sub>3</sub> . <i>Journal of Physics Condensed Matter</i> , 2019, 31, 435801.	0.7	12
106	Editorial for rare metals, special issue on advanced permanent magnetic materials. <i>Rare Metals</i> , 2020, 39, 1-1.	3.6	12
107	Tunable magnetic properties and magnetocaloric effect of TmGa by Ho substitution. <i>Physical Review B</i> , 2020, 102, .	1.1	12
108	Anisotropic magnetoresistance of epitaxial Pr <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> film. <i>Journal of Applied Physics</i> , 2014, 115, 043904.	1.1	11



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109	Coupling Between Magnetic Exchange and Charge Activation in Cu-doped LaFeO <sub>3</sub> . Journal of the American Ceramic Society, 2016, 99, 2035-2039.	1.9	11
110	Magnetic Properties of Co/CoO Core-Shell Nanowires: Roles of Antiferromagnetic Grain Size Distribution and Interfacial Spin Glass. IEEE Transactions on Magnetics, 2018, 54, 1-6.	1.2	11
111	Large Linear Negative Thermal Expansion in NiAs-type Magnetic Intermetallic CrTeSe Compounds. Inorganic Chemistry, 2020, 59, 8603-8608.	1.9	11
112	Influence of atomic roughness at the uncompensated Fe/CoO(111) interface on the exchange-bias effect. Physical Review B, 2020, 101, .	1.1	11
113	Coercivity enhancement in anisotropic Pr <sub>13</sub> Fe <sub>79.4</sub> B <sub>7</sub> Nb <sub>0.3</sub> Ga <sub>0.3</sub> powders. Journal of Applied Physics, 2012, 111, .	1.1	10
114	Structural and magnetic properties of La <sub>0.7</sub> Sr <sub>0.3</sub> Mn <sub>1-x</sub> Ni <sub>x</sub> O <sub>3</sub> (x = 0.4). Journal of Applied Physics, 2013, 114, .	1.1	10
115	Use of Mesoscopic Host Matrix to Induce Ferrimagnetism in Antiferromagnetic Spinel Oxide. Advanced Functional Materials, 2018, 28, 1706220.	7.8	10
116	Magnetic phase diagram of CrPS <sub>4</sub> and its exchange interaction in contact with NiFe. Journal of Physics Condensed Matter, 2020, 32, 405804.	0.7	10
117	Device performance and strain effect of sub-5 nm monolayer InP transistors. Journal of Materials Chemistry C, 2022, 10, 2223-2235.	2.7	10
118	Scaling Behavior of Magnetoresistance with the Layer Number in CrI <sub>3</sub> Magnetic Tunnel Junctions. Physical Review Applied, 2022, 17, .	1.5	10
119	Magnetic properties and magnetocaloric effect in Nd <sub>5</sub> Si <sub>3</sub> compound. Journal of Applied Physics, 2010, 107, 09A917.	1.1	9
120	Temperature dependence of exchange bias and training effect in Co/CoO film with induced uniaxial anisotropy. Journal Physics D: Applied Physics, 2015, 48, 275002.	1.3	9
121	A separation of antiferromagnetic spin motion modes in the training effect of exchange biased Co/CoO film with in-plane anisotropy. Journal of Applied Physics, 2016, 120, .	1.1	9
122	Chemical synthesis, structure and magnetic properties of Co nanorods decorated with Fe <sub>3</sub> O <sub>4</sub> nanoparticles. Science China Materials, 2018, 61, 1614-1622.	3.5	9
123	Bilayer tellurene-metal interfaces. Journal of Semiconductors, 2019, 40, 062003.	2.0	9
124	Synthesis and characterization of hard magnetic materials: PrFe <sub>10.5</sub> V <sub>1.5</sub> N <sub>x</sub> . Applied Physics Letters, 1997, 70, 3044-3046.	1.5	8
125	Magnetic properties of the anisotropic MnBi/Sm <sub>2</sub> Fe <sub>17</sub> N <sub>x</sub> hybrid magnet. Journal of Applied Physics, 2014, 115, .	1.1	8
126	Microwave Absorption Properties of Flake-Like Nd <sub>2</sub> Co <sub>16.5</sub> Si <sub>0.5</sub> Powders Paraffin Composite. IEEE Transactions on Magnetics, 2019, 55, 1-4.	1.2	8



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127	Microstructural evolutions in NdFe <sub>10.5</sub> Mo <sub>1.5</sub> Nx and Pr <sub>13</sub> Fe <sub>80</sub> B <sub>7</sub> compounds during hydrogenation-disproportionation desorption recombination process. Journal of Applied Physics, 2006, 99, 08B503.	1.1	7
128	The manipulation of magnetic properties by resistive switching effect in CeO <sub>2</sub> /La <sub>0.7</sub> (Sr <sub>0.1</sub> Ca <sub>0.9</sub> ) <sub>0.3</sub> MnO <sub>3</sub> system. Journal of Applied Physics, 2013, 113, 17C708.	1.1	7
129	Dynamic transformation between a skyrmion string and a bimeron string in a layered frustrated system. Physical Review B, 2021, 104, .	1.1	7
130	Synergetic crystallization in a Nd <sub>2</sub> Fe <sub>14</sub> B <sub>1±</sub> -Fe nanocomposite under electron beam exposure conditions. Nanoscale, 2016, 8, 18221-18227.	2.8	6
131	Neutron diffraction studies of permanent magnetic materials. Rare Metals, 2020, 39, 13-21.	3.6	6
132	Simultaneously Enhancing Structural Stability and Cationic Redox in Na <sub>0.67</sub> Mn <sub>0.75</sub> Fe <sub>0.25</sub> O <sub>2</sub> through a Synergy of Multisite Substitution. Journal of Physical Chemistry C, 2021, 125, 8105-8115.	1.5	6
133	Controlling Spin Orientation and Metamagnetic Transitions in Anisotropic van der Waals Antiferromagnet CrPS <sub>4</sub> by Hydrostatic Pressure. Advanced Functional Materials, 2022, 32, 2106592.	7.8	6
134	Magnetotransport Study of van der Waals $\text{CrPS}_4$ <a href="http://www.w3.org/1998/Math/MathML" style="display: inline-block; width: 100%; text-align: left;">xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"&gt;&lt;mml:msub&gt;&lt;mml:mrow&gt;&lt;mml:mi&gt;Cr&lt;/mml:mi&gt;&lt;mml:mi&gt;PS&lt;/mml:mi&gt;&lt;/mml:mrow&gt;&lt;mml:mn&gt;4&lt;/mml:mn&gt;&lt;/mml:msub&gt;&lt;/mml:mo&gt;&lt;mml:mi&gt;Pt&lt;/mml:mi&gt;&lt;/mml:mo&gt;,&lt;/mml:mo&gt;&lt;mml:mi&gt;Pd&lt;/mml:mi&gt;&lt;/mml:mo&gt; Tj ET Q 0 0 0 r BT /Overlo</a>		
135	Room-Temperature Anomalous Hall Effect. Physical Review Applied, 2022, 17, . The evolution of the magnetic phases of Sb-doped Mn <sub>5</sub> Sn <sub>3</sub> compounds. Journal of Applied Physics, 2013, 113, .	1.1	5
136	Magnetic properties of Nd(Fe <sub>1-x</sub> Cox) <sub>10.5</sub> M <sub>1.5</sub> (M=Mo and V) and their nitrides. AIP Advances, 2017, 7, .	0.6	5
137	Thickness induced uniaxial anisotropy and unexpected four-fold symmetry in Co/SiO <sub>2</sub> /Si films. AIP Advances, 2018, 8, 056311.	0.6	5
138	Ultra-Shallow Doping B, Mg, Ni, Cu, Mn, Cr and Fe into SiC with Very High Surface Concentrations Based on Plasma Stimulated Room-Temperature Diffusion. Journal of Materials Engineering and Performance, 2019, 28, 162-168.	1.2	5
139	The microwave absorption properties of Y <sub>2</sub> Fe <sub>16</sub> Si@MOF and Y <sub>2</sub> Fe <sub>16</sub> Si@GO composites. AIP Advances, 2021, 11, 015237.	0.6	5
140	The Microwave Absorption Properties of Fe <sub>16</sub> N <sub>2</sub> Nanoparticles. IEEE Transactions on Magnetics, 2022, 58, 1-4.	1.2	5
141	Phase transition and topological transistors based on monolayer Na <sub>3</sub> Bi nanoribbons. Nanoscale, 2021, 13, 15048-15057.	2.8	5
142	Broadband microwave absorber composed of sandwich structure with a lossless medium as the intermediate layer. Journal of Magnetism and Magnetic Materials, 2022, 548, 168963.	1.0	5
143	Magnetic properties of RFe <sub>10.5</sub> Mo <sub>1.5</sub> Cx and their nitrides. Journal of Applied Physics, 1998, 83, 6640-6642.	1.1	4
144	Preparation of anisotropic Nd(Fe,Mo) <sub>12</sub> Nx magnetic materials by the strip-casting technique. Journal of Applied Physics, 2006, 99, 08B517.	1.1	4

#	ARTICLE	IF	CITATIONS
145	<i>Ab initio</i> calculation of electronic structure and magnetic properties of R <sub>2</sub> Fe <sub>14</sub> BN <sub>x</sub> (R = Pr, Nd). AIP Advances, 2018, 8, .	0.6	4
146	Effective Stacking Fault Energy in Face-Centered Cubic Metals. Acta Metallurgica Sinica (English) Tj ETQq0 0 0 rgBT/Overlock, 10 Tf 50 7	1.5	4
147	Micromagnetic study for optimum performance of isotropic Nd <sub>2</sub> Fe <sub>14</sub> B/±-Fe nanocomposite bulk magnets. Journal Physics D: Applied Physics, 2021, 54, 245003.	1.3	4
148	High-temperature properties and enhanced magnetic properties by magnetic field heat treatment of D022 Mn <sub>3</sub> ~'x</i>Ga (x = 0, 0.2, and 0.4) alloys. Applied Physics Letters, 2021, 119, .	1.5	4
149	Magnetic domain structures of 1:12 type nitrides NdFe <sub>10.5</sub> Mo <sub>1.5</sub> N <sub>x</sub> . Science in China Series A: Mathematics, 1999, 42, 93-98.	0.5	3
150	Preparation of anisotropic Nd(Fe,Mo) <sub>12</sub> N <sub>1.0</sub> magnetic materials by strip casting technique and direct nitrogeneration for the strips. Journal of Applied Physics, 2011, 109, 07A738.	1.1	3
151	Fabrication of ferrimagnetic FeO <sub>x</sub> thin film and the resistance switching of Au/FeO <sub>x</sub> /Pt heterostructure. Journal of Applied Physics, 2013, 113, .	1.1	3
152	Competing Magnetic Interactions in Co-Doped La<sub>sub>0.7</sub></sub>Sr<sub>sub>0.3</sub></sub>MnO<sub>sub>3</sub></sub>. IEEE Transactions on Magnetics, 2015, 51, 1-5.	1.2	3
153	Exploring the Possibility of Deformation Twinning in Pure Aluminum. Acta Metallurgica Sinica (English Letters), 2016, 29, 647-651.	1.5	3
154	Study on the Performance of the Neutron Diffractometer (HIPD at CARR) by Monte Carlo Simulation and Convolution Methods. IEEE Transactions on Nuclear Science, 2018, 65, 1324-1330.	1.2	3
155	Non-synchronized rotation of layered spin configurations in La <sub>0.825</sub> Sr <sub>0.175</sub> MnO <sub>3</sub> /SrTiO <sub>3</sub> film. Acta Materialia, 2019, 181, 470-478.	3.8	3
156	Creating Ferromagnetic Insulating La<sub>sub>0.9</sub></sub>Ba<sub>sub>0.1</sub></sub>MnO<sub>sub>3</sub></sub> Thin Films by Tuning Lateral Coherence Length. ACS Applied Materials & Interfaces, 2021, 13, 8863-8870.	4.0	3
157	Micromagnetic simulation of microstructure effect for binary-main-phase Nd&eacute;Ce&eacute;Fe&eacute;B magnets. Journal of Physics Condensed Matter, 2021, 33, 445801.	0.7	3
158	The magnetic and magnetocaloric properties of NdFe <sub>12</sub> ~'xMox compounds. Journal of Applied Physics, 2012, 111, 07A949.	1.1	2
159	Formation of Disordered $\{m\text{Th}\}_{2}\{m\text{Zn}\}_{17}$ -Type $\{m\text{Sm}\}_{2}\{m\text{Fe}\}_{17}$ With Ti and B Additions and Hard Magnetic Properties of Their Nitrides. IEEE Transactions on Magnetics, 2013, 49, 3338-3340.	1.2	2
160	Magnetic manipulation by resistance switching in CeO <sub>2</sub> /PrBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> ~'Pt heterostructure: The role of oxygen vacancies. Applied Physics Letters, 2013, 103, 262411.	1.5	2
161	Exchange Bias Effect in Epitaxial LaMnO <sub>3</sub> +~' Film Induced by Electron Beam Irradiation. Advanced Materials Interfaces, 2020, 7, 1901296.	1.9	2
162	A Linear Muffin-Tin Orbital Calculation of Local Electronic and Magnetic Properties of YFe <sub>10</sub> Mo <sub>2</sub> and YFe <sub>10</sub> Mo <sub>2</sub> N. Journal of the Physical Society of Japan, 1998, 67, 576-582.	0.7	1

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163	Rodlike disproportionation microstructure in the Pr <sub>13</sub> Fe <sub>80</sub> B <sub>7</sub> alloys treated by conventional HDDR process. Journal of Applied Physics, 2010, 107, 09A727.	1.1	1
164	Preparation of Highly Textured Hydrogenation-Disproportionation-Desorption-Recombination Powders for Nd-Fe-B Sintered Magnets. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	1
165	Neutron and magnetic studies of La <sub>0.7</sub> Sr <sub>0.3</sub> Mn <sub>1-x</sub> Cr <sub>x</sub> O <sub>3</sub> (x=0.7): A homogeneous charge-ordered system. Physical Review B, 2016, 93, .	1.1	1
166	Surface-sensitive magnetic characterization technique for ultrathin ferromagnetic film with perpendicular magnetic anisotropy. AIP Advances, 2020, 10, 065019.	0.6	1
167	Spin quantum well-like behavior in single-crystal Gd <sub>0.75</sub> La <sub>0.25</sub> FeO <sub>3</sub> . Science China Materials, 2021, 64, 531-536.	3.5	1
168	Micromagnetic study of sphericity effect in bulk permanent magnets. Journal of Applied Physics, 2021, 129, .	1.1	1
169	A novel strategy for the fabrication of high-performance nanostructured Ce-Fe-B magnetic materials via electron-beam exposure. Science China Materials, 2021, 64, 2519-2529.	3.5	1
170	Room-temperature electric control of exchange bias effect in CoO <sub>1-x</sub> /Co films using Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> ) <sub>0.7</sub> Ti <sub>0.3</sub> O <sub>3</sub> (110) substrates. Chinese Physics B, 2020, 29, 098503.	0.7	1
171	Magnetostrictions of Sm <sub>2</sub> Fe <sub>17</sub> and Sm <sub>2</sub> Fe <sub>17</sub> N <sub>3</sub> . IEEE Transactions on Magnetics, 2011, 47, 3621-3624.	1.2	0
172	Synthesis of Rare Earth Free Permanent Magnets. , 2017, , 175-190.		0
173	Electron Beam Irradiation: Exchange Bias Effect in Epitaxial LaMnO <sub>3+δ</sub> Film Induced by Electron Beam Irradiation (Adv. Mater. Interfaces 2/2020). Advanced Materials Interfaces, 2020, 7, 2070008.	1.9	0
174	Study on Magnetization Reversal Processes of Anisotropic HDDR Pr <sub>2</sub> Fe <sub>14</sub> B-Type Magnetic Materials. IEEE Transactions on Magnetics, 2022, 58, 1-4.	1.2	0
175	Study on structure and magnetic properties of Y <sub>2</sub> (Fe, Co) <sub>14</sub> B melt-spun ribbons. AIP Advances, 2021, 11, 015104.	0.6	0