Jin-Bo Yang

List of Publications by Year
in descending order

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175	5,518	71102	102487
papers	citations	41 h-index	66 g-index

177	177	177	5492
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Study on Magnetization Reversal Processes of Anisotropic HDDR Pr₂Fe₁₄B-Type Magnetic Materials. IEEE Transactions on Magnetics, 2022, 58, 1-4.	2.1	0
2	The Microwave Absorption Properties of Fe₁₆N₂ Nanoparticles. IEEE Transactions on Magnetics, 2022, 58, 1-4.	2.1	5
3	Controlling Spin Orientation and Metamagnetic Transitions in Anisotropic van der Waals Antiferromagnet CrPS₄ by Hydrostatic Pressure. Advanced Functional Materials, 2022, 32, 2106592.	14.9	6
4	Device performance and strain effect of sub-5 nm monolayer InP transistors. Journal of Materials Chemistry C, 2022, 10, 2223-2235.	5.5	10
5	Layer-Number-Dependent Antiferromagnetic and Ferromagnetic Behavior in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>MnSb</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn> Physical Review Letters, 2022, 128, 017201.	7.8	19
6	Broadband microwave absorber composed of sandwich structure with a lossless medium as the intermediate layer. Journal of Magnetism and Magnetic Materials, 2022, 548, 168963.	2.3	5
7	Magnetic Phase Transitions and Magnetoelastic Coupling in a Two-Dimensional Stripy Antiferromagnet. Nano Letters, 2022, 22, 1233-1241.	9.1	21
8	2D FeOCl: A Highly Inâ€Plane Anisotropic Antiferromagnetic Semiconductor Synthesized via Temperatureâ€Oscillation Chemical Vapor Transport. Advanced Materials, 2022, 34, e2108847.	21.0	34
9	Observation of the Orbital Rashba-Edelstein Magnetoresistance. Physical Review Letters, 2022, 128, 067201.	7.8	46
10	Room-Temperature Ferroelectricity in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:msup><mml:mrow><mml:mi mathvariant="normal">T</mml:mi></mml:mrow><mml:mrow><mml:mo>â€²</mml:mo></mml:mrow></mml:msup></mml:mrow></mml - <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>ReS</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></m Multilayers. Physical Review Letters, 2022, 128, 067601.	7.8	52
11	Giant tunnelling electroresistance through 2D sliding ferroelectric materials. Materials Horizons, 2022, 9, 1422-1430.	12.2	23
12	Scaling Behavior of Magnetoresistance with the Layer Number in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Cr</mml:mi><mml:mi mathvariant="normal">I</mml:mi></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:math> Magnetic Tunnel Junctions. Physical Review Applied, 2022, 17, .	3.8	10
13	Performance Limit of Ultrathin GaAs Transistors. ACS Applied Materials & Interfaces, 2022, 14, 23597-23609.	8.0	22
14	Bifurcation of a topological skyrmion string. Physical Review B, 2022, 105, .	3.2	14
15	Magnetotransport Study of van der Waals <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Cr</mml:mi><mml:mi>PS</mml:mi></mml:mrow><mml:mn>4</mml:mn></mml stretchy="false">(</mml:mo><mml:mi>Pt</mml:mi><mml:mo>,</mml:mo><mml:mi>Pd</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rg Room-Temperature Anomalous Hall Effect. Physical Review Applied, 2022, 17, .	3.8	9
16	Spin quantum well-like behavior in single-crystal Gd0.75La0.25FeO3. Science China Materials, 2021, 64, 531-536.	6.3	1
17	Bilayer Tellurene: A Potential pâ€Type Channel Material for Subâ€10 nm Transistors. Advanced Theory and Simulations, 2021, 4, 2000252.	2.8	14
18	The microwave absorption properties of Y2Fe16Si@MOF and Y2Fe16Si@GO composites. AIP Advances, 2021, 11, 015237.	1.3	5

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19	Extreme Suppression of Antiferromagnetic Order and Critical Scaling in a Two-Dimensional Random Quantum Magnet. Physical Review Letters, 2021, 126, 037201.	7.8	21
20	Creating Ferromagnetic Insulating La_{0.9}Ba_{0.1}MnO₃ Thin Films by Tuning Lateral Coherence Length. ACS Applied Materials & Interfaces, 2021, 13, 8863-8870.	8.0	3
21	Micromagnetic study of sphericity effect in bulk permanent magnets. Journal of Applied Physics, 2021, 129, .	2.5	1
22	Micromagnetic study for optimum performance of isotropic Nd₂Fe₁₄B/Î±-Fe nanocomposite bulk magnets. Journal Physics D: Applied Physics, 2021, 54, 245003.	2.8	4
23	Ferromagnetism in two-dimensional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Fe</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> ; Tunability by hydrostatic pressure. Physical Review B, 2021, 103, .	3.2	18
24	Schottky barrier heights in two-dimensional field-effect transistors: from theory to experiment. Reports on Progress in Physics, 2021, 84, 056501.	20.1	97
25	Simultaneously Enhancing Structural Stability and Cationic Redox in Na_{0.67}Mn_{0.75}Fe_{0.25}O₂ through a Synergy of Multisite Substitution. Journal of Physical Chemistry C, 2021, 125, 8105-8115.	3.1	6
26	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.	6.3	1
27	Self-biased magnetoelectric switching at room temperature in three-phase ferroelectricâ€“antiferromagneticâ€“ferrimagnetic nanocomposites. Nature Electronics, 2021, 4, 333-341.	26.0	18
28	High-temperature properties and enhanced magnetic properties by magnetic field heat treatment of D022 Mn3â^'xGa (x = 0, 0.2, and 0.4) alloys. Applied Physics Letters, 2021, 119, .	3.3	4
29	Sub-5 nm Gate Length Monolayer MoTe₂ Transistors. Journal of Physical Chemistry C, 2021, 125, 19394-19404.	3.1	19
30	Layer-Dependent Giant Magnetoresistance in Two-Dimensional <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Cr</mml:mi><mml:mi>PS</mml:mi></mml:mrow><mml:mn>4</mml:mn></mml:msub></mml:math> Magnetic Tunnel Junctions. Physical Review Applied, 2021, 16, .	3.8	22
31	Micromagnetic simulation of microstructure effect for binary-main-phase Ndâ€“Ceâ€“Feâ€“B magnets. Journal of Physics Condensed Matter, 2021, 33, 445801.	1.8	3
32	Sub-10Ânm two-dimensional transistors: Theory and experiment. Physics Reports, 2021, 938, 1-72.	25.6	80
33	Can ultra-thin Si FinFETs work well in the sub-10 nm gate-length region?. Nanoscale, 2021, 13, 5536-5544.	5.6	15
34	Phase transition and topological transistors based on monolayer Na₃Bi nanoribbons. Nanoscale, 2021, 13, 15048-15057.	5.6	5
35	Study on structure and magnetic properties of Y2(Fe, Co)14B melt-spun ribbons. AIP Advances, 2021, 11, 015104.	1.3	0
36	Tailoring Co3d and O2p Band Centers to Inhibit Oxygen Escape for Stable 4.6â€…V LiCoO₂ Cathodes. Angewandte Chemie - International Edition, 2021, 60, 27102-27112.	13.8	89

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37	Tailoring Co3d and O2p Band Centers to Inhibit Oxygen Escape for Stable 4.6â€…V LiCoO₂ Cathodes. Angewandte Chemie, 2021, 133, 27308-27318.	2.0	20
38	Free-standing 2D non-van der Waals antiferromagnetic hexagonal FeSe semiconductor: halide-assisted chemical synthesis and Fe²⁺ related magnetic transitions. Chemical Science, 2021, 13, 203-209.	7.4	14
39	Dynamic transformation between a skyrmion string and a bimeron string in a layered frustrated system. Physical Review B, 2021, 104, .	3.2	7
40	Anomalous Hall effect in magnetic insulator heterostructures: Contributions from spin-Hall and magnetic-proximity effects. Physical Review B, 2021, 104, .	3.2	13
41	Research and development of high-performance new microwave absorbers based on rare earth transition metal compounds: A review. Journal of Magnetism and Magnetic Materials, 2020, 497, 165961.	2.3	47
42	Neutron diffraction studies of permanent magnetic materials. Rare Metals, 2020, 39, 13-21.	7.1	6
43	Planar Directionâ€Dependent Interfacial Properties in Monolayer In₂Se₃â€“Metal Contacts. Physica Status Solidi (B): Basic Research, 2020, 257, 1900198.	1.5	19
44	Microwave absorbing properties of Y₂Fe₁₆Si micropowders with broad bandwidth and strong absorption. Journal Physics D: Applied Physics, 2020, 53, 115001.	2.8	18
45	Dual regulation of Li⁺ migration of Li_{6.4}La₃Zr_{1.4}M_{0.6}O₁₂ (MÂ=ÂSb, Ta, Nb) by bottleneck size and bond length of Mâ^'O. Journal of the American Ceramic Society, 2020, 103, 2483-2490.	3.8	29
46	Exchange Bias Effect in Epitaxial LaMnO 3+Î´ Film Induced by Electron Beam Irradiation. Advanced Materials Interfaces, 2020, 7, 1901296.	3.7	2
47	Editorial for rare metals, special issue on advanced permanent magnetic materials. Rare Metals, 2020, 39, 1-1.	7.1	12
48	A new quantitative analysis method for electromagnetic energy dissipation in microwave absorption materials. Journal of Magnetism and Magnetic Materials, 2020, 516, 167332.	2.3	13
49	Transport Anomaly in Perpendicular Magnetic Anisotropic NiCo₂O₄ Thin Films with Column-like Phase Separation. ACS Applied Electronic Materials, 2020, 2, 3964-3970.	4.3	23
50	Vapor Deposition of Magnetic Van der Waals NiI₂ Crystals. ACS Nano, 2020, 14, 10544-10551.	14.6	51
51	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.	5.5	23
52	Harnessing Orbital-to-Spin Conversion of Interfacial Orbital Currents for Efficient Spin-Orbit Torques. Physical Review Letters, 2020, 125, 177201.	7.8	92
53	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, .	3.2	19
54	Surface-sensitive magnetic characterization technique for ultrathin ferromagnetic film with perpendicular magnetic anisotropy. AIP Advances, 2020, 10, 065019.	1.3	1

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55	Large Linear Negative Thermal Expansion in NiAs-type Magnetic Intermetallic Crâ€“Teâ€“Se Compounds. Inorganic Chemistry, 2020, 59, 8603-8608.	4.0	11
56	Magnetic Structure and Metamagnetic Transitions in the van der Waals Antiferromagnet CrPS₄. Advanced Materials, 2020, 32, e2001200.	21.0	60
57	Influence of atomic roughness at the uncompensated Fe/CoO(111) interface on the exchange-bias effect. Physical Review B, 2020, 101, .	3.2	11
58	A Quaternary van der Waals Ferromagnetic Semiconductor AgVP₂Se₆. Advanced Functional Materials, 2020, 30, 1910036.	14.9	27
59	Improving the cycling and air-storage stability of LiNi_{0.8}Co_{0.1}Mn_{0.1}O₂ through integrated surface/interface/doping engineering. Journal of Materials Chemistry A, 2020, 8, 5234-5245.	10.3	56
60	Electron Beam Irradiation: Exchange Bias Effect in Epitaxial LaMnO_{3+Î´} Film Induced by Electron Beam Irradiation (Adv. Mater. Interfaces 2/2020). Advanced Materials Interfaces, 2020, 7, 2070008.	3.7	0
61	Understanding the Enhancement Mechanism of A-Site-Deficient La_xNiO₃ as an Oxygen Redox Catalyst. Chemistry of Materials, 2020, 32, 1864-1875.	6.7	54
62	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.	2.9	28
63	é€šè¿‡ä¸€çš§åœ€ç–—ç•¥è°ƒèŠ‚P2åž‹Na0.67Mn0.5Fe0.5O2æ£æžœæ–™çš„é˜¯é˜¯ç¦»å°§åŒ–è¿˜åŽŸåº”". Science China Materials, 2020,	6.3	13
64	Magnetic phase diagram of CrPS₄ and its exchange interaction in contact with NiFe. Journal of Physics Condensed Matter, 2020, 32, 405804.	1.8	10
65	Tunable magnetic properties and magnetocaloric effect of TmGa by Ho substitution. Physical Review B, 2020, 102, .	3.2	12
66	Room-temperature electric control of exchange bias effect in CoO1 â€“ Î´ /Co films using Pb(Mg1/3Nb2/3)0.7Ti0.3O3 (110) substrates. Chinese Physics B, 2020, 29, 098503.	1.4	1
67	Spin switching temperature modulated by the magnetic field and spontaneous exchange bias effect in single crystal SmFeO₃. Journal of Physics Condensed Matter, 2019, 31, 435801.	1.8	12
68	Interfacial Dzyaloshinskii-Moriya interaction and chiral magnetic textures in a ferrimagnetic insulator. Physical Review B, 2019, 100, .	3.2	73
69	Non-synchronized rotation of layered spin configurations in La0.825Sr0.175MnO3 /SrTiO3 film. Acta Materialia, 2019, 181, 470-478.	7.9	3
70	Computational Study of Ohmic Contact at Bilayer InSe-Metal Interfaces: Implications for Field-Effect Transistors. ACS Applied Nano Materials, 2019, 2, 6898-6908.	5.0	13
71	High-performance sub-10 nm monolayer Bi₂O₂Se transistors. Nanoscale, 2019, 11, 532-540.	5.6	196
72	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.	2.5	5

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73	Bilayer tellureneâ€“metal interfaces. Journal of Semiconductors, 2019, 40, 062003.	3.7	9
74	Interfacial Properties of Monolayer Antimonene Devices. Physical Review Applied, 2019, 11, .	3.8	22
75	Excellent Device Performance of Subâ€5â€nm Monolayer Tellurene Transistors. Advanced Electronic Materials, 2019, 5, 1900226.	5.1	65
76	Monolayer GaS with high ion mobility and capacity as a promising anode battery material. Journal of Materials Chemistry A, 2019, 7, 14042-14050.	10.3	32
77	Pervasive Ohmic Contacts in Bilayer Bi₂O₂Seâ€“Metal Interfaces. Journal of Physical Chemistry C, 2019, 123, 8923-8931.	3.1	17
78	Simultaneously tuning cationic and anionic redox in a P2-Na_{0.67}Mn_{0.75}Ni_{0.25}O₂ cathode material through synergic Cu/Mg co-doping. Journal of Materials Chemistry A, 2019, 7, 9099-9109.	10.3	76
79	Unusual Fermiâ€Level Pinning and Ohmic Contact at Monolayer Bi 2 O 2 Seâ€“Metal Interface. Advanced Theory and Simulations, 2019, 2, 1800178.	2.8	20
80	Schottky Contact in Monolayer WS₂ Fieldâ€Effect Transistors. Advanced Theory and Simulations, 2019, 2, 1900001.	2.8	42
81	Microwave Absorption Properties of Flake-Like Nd₂Co_{16.5}Si_{0.5} Powdersâ€“Paraffin Composite. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	8
82	Sub 10 nm Bilayer Bi₂O₂Se Transistors. Advanced Electronic Materials, 2019, 5, 1800720.	5.1	70
83	Crystal structure, magnetic and microwave absorption properties of Ce_{2â^'x}Sm_xFe₁₇N_{3â^'Î´}/paraffin composites. Materials Research Express, 2019, 6, 016103.	1.6	13
84	Ab initio calculation of electronic structure and magnetic properties of R2Fe14BNx (R = Pr,Nd). AIP Advances, 2018, 8, .	1.3	4
85	Improving the Performance of Layered Oxide Cathode Materials with Footballâ€Like Hierarchical Structure for Naâ€Ion Batteries by Incorporating Mg²⁺ into Vacancies in Naâ€Ion Layers. ChemSusChem, 2018, 11, 1223-1231.	6.8	35
86	Use of Mesoscopic Host Matrix to Induce Ferrimagnetism in Antiferromagnetic Spinel Oxide. Advanced Functional Materials, 2018, 28, 1706220.	14.9	10
87	Enhancement of exchange bias in ferromagnetic/antiferromagnetic core-shell nanoparticles through ferromagnetic domain wall formation. Physical Review B, 2018, 97, .	3.2	16
88	Modulating the Electrochemical Performances of Layered Cathode Materials for Sodium Ion Batteries through Tuning Coulombic Repulsion between Negatively Charged TMO₂ Slabs. ACS Applied Materials & Interfaces, 2018, 10, 1707-1718.	8.0	34
89	Tunable magnetic and microwave absorption properties of Sm1.5Y0.5Fe17-xSix and their composites. Acta Materialia, 2018, 145, 331-336.	7.9	115
90	Thickness induced uniaxial anisotropy and unexpected four-fold symmetry in Co/SiO2/Si films. AIP Advances, 2018, 8, 056311.	1.3	5

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91	Effective Stacking Fault Energy in Face-Centered Cubic Metals. Acta Metallurgica Sinica (English) Tj ETQq1 1 0.784314 rgBT /Overlock	2.9	4
92	Three-layer phosphorene-metal interfaces. Nano Research, 2018, 11, 707-721.	10.4	72
93	Electrical contacts in monolayer blue phosphorene devices. Nano Research, 2018, 11, 1834-1849.	10.4	55
94	Mn-based permanent magnets. Chinese Physics B, 2018, 27, 117503.	1.4	25
95	n-Type Ohmic contact and p-type Schottky contact of monolayer InSe transistors. Physical Chemistry Chemical Physics, 2018, 20, 24641-24651.	2.8	33
96	n- and p-type ohmic contacts at monolayer gallium nitrideâ€“metal interfaces. Physical Chemistry Chemical Physics, 2018, 20, 24239-24249.	2.8	13
97	Chemical synthesis, structure and magnetic properties of Co nanorods decorated with Fe3O4 nanoparticles. Science China Materials, 2018, 61, 1614-1622.	6.3	9
98	Spontaneous valley splitting and valley pseudospin field effect transistors of monolayer VAgP₂Se₆. Nanoscale, 2018, 10, 13986-13993.	5.6	50
99	Monolayer tellureneâ€“metal contacts. Journal of Materials Chemistry C, 2018, 6, 6153-6163.	5.5	81
100	Magnetic Properties of Co/CoO Coreâ€“Shell Nanowires: Roles of Antiferromagnetic Grain Size Distribution and Interfacial Spin Glass. IEEE Transactions on Magnetics, 2018, 54, 1-6.	2.1	11
101	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.	2.0	3
102	Many-Body Effect and Device Performance Limit of Monolayer InSe. ACS Applied Materials & Interfaces, 2018, 10, 23344-23352.	8.0	98
103	Can a Black Phosphorus Schottky Barrier Transistor Be Good Enough?. ACS Applied Materials & Interfaces, 2017, 9, 3959-3966.	8.0	70
104	One step preparation of pure ?-MnAl phase with high magnetization using strip casting method. AIP Advances, 2017, 7, 056213.	1.3	25
105	Magnetic properties of Nd(Fe1-xCox)10.5M1.5 (M=Mo and V) and their nitrides. AIP Advances, 2017, 7, .	1.3	5
106	Monolayer Bismuthene-Metal Contacts: A Theoretical Study. ACS Applied Materials & Interfaces, 2017, 9, 23128-23140.	8.0	73
107	Epitaxial growth of Y3Fe5O12 thin films with perpendicular magnetic anisotropy. Applied Physics Letters, 2017, 110, .	3.3	71
108	Structural evolution, site ordering and magnetic properties of tetragonal Mn 6â€y Ga 2 + y (0 â‰¤ y â‰¤ 1.64). Scripta Materialia, 2017, 129, 6-10.	5.2	17

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109	Synthesis of Rare Earth Free Permanent Magnets. , 2017, , 175-190.		0
110	Tunable giant exchange bias in the single-phase rare-earthâ€“transition-metal intermetallics <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>YM</mml:mi><mml:msub><mml:mi mathvariant="normal">n</mml:mi><mml:mrow><mml:mn>12</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow><mml:mi mathvariant="normal">F</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mi>x</mml:mi></mml:msub></mml:mrow></mml:math> with highly homogenous intersublattice exchange coupling. Physical Review B, 2017, 96, .	3.2	13
111	Coupling Between Magnetic Exchange and Charge Activation in Cuâ€Doped LaFeO 3. Journal of the American Ceramic Society, 2016, 99, 2035-2039.	3.8	11
112	Stability and its mechanism in Ag/CoOx/Ag interface-type resistive switching device. Scientific Reports, 2016, 6, 35630.	3.3	18
113	Performance Upper Limit of subâ€10 nm Monolayer MoS₂ Transistors. Advanced Electronic Materials, 2016, 2, 1600191.	5.1	97
114	Neutron and magnetic studies ofLa0.7Sr0.3Mn1â^'xCrxO3(xâ‰0.7): A homogeneous charge-ordered system. Physical Review B, 2016, 93, .	3.2	1
115	Interfacial Properties of Monolayer and Bilayer MoS2 Contacts with Metals: Beyond the Energy Band Calculations. Scientific Reports, 2016, 6, 21786.	3.3	224
116	Synergetic crystallization in a Nd₂Fe₁₄B/Î±-Fe nanocomposite under electron beam exposure conditions. Nanoscale, 2016, 8, 18221-18227.	5.6	6
117	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, .	2.5	9
118	Interfacial Properties of Monolayer MoSe₂â€“Metal Contacts. Journal of Physical Chemistry C, 2016, 120, 13063-13070.	3.1	70
119	Exploring the Possibility of Deformation Twinning in Pure Aluminum. Acta Metallurgica Sinica (English Letters), 2016, 29, 647-651.	2.9	3
120	Monolayer Phosphoreneâ€“Metal Contacts. Chemistry of Materials, 2016, 28, 2100-2109.	6.7	199
121	Does p-type ohmic contact exist in WSe₂â€“metal interfaces?. Nanoscale, 2016, 8, 1179-1191.	5.6	166
122	Tunable Valley Polarization and Valley Orbital Magnetic Moment Hall Effect in Honeycomb Systems with Broken Inversion Symmetry. Scientific Reports, 2015, 5, 13906.	3.3	16
123	Stepwise work hardening induced by individual grain boundary in Cu bicrystal micropillars. Scientific Reports, 2015, 5, 15631.	3.3	13
124	Exchange bias of CoO1â^'Î'/(NiFe,Fe) system with blocking temperature beyond NÃ©el temperature of bulk CoO. Applied Physics Letters, 2015, 107, .	3.3	13
125	Damage Tolerance and Extensive Plastic Deformation of Î²â€'Yb₂Si₂O₇ from Room to High Temperatures. Journal of the American Ceramic Society, 2015, 98, 2843-2851.	3.8	45
126	Competing Magnetic Interactions in Co-Doped La_{0.7}Sr_{0.3}MnO₃. IEEE Transactions on Magnetics, 2015, 51, 1-5.	2.1	3

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127	Research and Development of Interstitial Compounds. IEEE Transactions on Magnetics, 2015, 51, 1-6.	2.1	13
128	Temperature dependence of exchange bias and training effect in Co/CoO film with induced uniaxial anisotropy. Journal Physics D: Applied Physics, 2015, 48, 275002.	2.8	9
129	Silicene nanomesh. Scientific Reports, 2015, 5, 9075.	3.3	42
130	Preparation of Highly Textured Hydrogenationâ€“Disproportionationâ€“Desorptionâ€“Recombination Powders for Ndâ€“Feâ€“B Sintered Magnets. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	1
131	Allâ€Metallic Vertical Transistors Based on Stacked Dirac Materials. Advanced Functional Materials, 2015, 25, 68-77.	14.9	59
132	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.	7.9	242
133	Preparation and magnetic properties of MnBi-based hard/soft composite magnets. Journal of Applied Physics, 2014, 115, .	2.5	29
134	Coercivity enhancement in Dy-free Ndâ€“Feâ€“B sintered magnets by using Pr-Cu alloy. Journal of Applied Physics, 2014, 115, .	2.5	50
135	The asymmetric magnetization reversal in exchange biased granular Co/CoO films. Applied Physics Letters, 2014, 104, .	3.3	16
136	Structural properties and large coercivity of bulk Mn3âˆ’xGa (0 â‰¤ x â‰¤ 1.15). Journal of Applied Physics, 2014, 115, .	2.5	31
137	Anisotropic magnetoresistance of epitaxial Pr0.5Sr0.5MnO3 film. Journal of Applied Physics, 2014, 115, 043904.	2.5	11
138	High frequency electromagnetic properties of interstitial-atom-modified Ce2Fe17NX and its composites. Applied Physics Letters, 2014, 105, .	3.3	32
139	Magnetic properties of the anisotropic MnBi/Sm2Fe17Nx hybrid magnet. Journal of Applied Physics, 2014, 115, .	2.5	8
140	Low-energy effective Hamiltonian for giant-gap quantum spin Hall insulators in honeycomb<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>X</mml:mi></mml:math>-hydride/halide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mo>(</mml:mo><mml:mi>X</mml:mi><mml:mo>=</mml:mo><mml:mi) Tj	3.2	119
141	2014, 90, . Ï„-MnAl with high coercivity and saturation magnetization. AIP Advances, 2014, 4, .	1.3	58
142	Does the Dirac Cone Exist in Silicene on Metal Substrates?. Scientific Reports, 2014, 4, 5476.	3.3	92
143	Fabrication of ferrimagnetic FeOx thin film and the resistance switching of Au/FeOx/Pt heterostructure. Journal of Applied Physics, 2013, 113, .	2.5	3
144	Coercivity enhancement of anisotropic die-upset Nd-Fe-B powders by Pr-Cu alloy diffusion. Journal of Applied Physics, 2013, 113, .	2.5	20

#	Article	IF	Citations
145	Preparation of Anisotropic ${m Sm}_{2}{m Fe}_{17}{m N}_{m X}$ Magnetic Materials by Strip Casting Technique. IEEE Transactions on Magnetics, 2013, 49, 3248-3250.	2.1	12
146	Formation of Disordered ${m Th}_{2}{m Zn}_{17}$-Type ${m Sm}_{2}{m Fe}_{17}$ With Ti and B Additions and Hard Magnetic Properties of Their Nitrides. IEEE Transactions on Magnetics, 2013, 49, 3338-3340.	2.1	2
147	Magnetic properties and magnetocaloric effect of (Mn1â^'xFex)5Sn3 (xâ€‰=â€‰0â€“0.5) compounds. Journal of Applied Physics, 2013, 113, .	2.5	14
148	Structural and magnetic properties of La0.7Sr0.3Mn1â^'xNixO3 (x â‰¤ 0.4). Journal of Applied Physics, 2013, 114, .	2.5	10
149	The evolution of the magnetic phases of Sb-doped Mn5Sn3 compounds. Journal of Applied Physics, 2013, 113, .	2.5	5
150	Magnetic manipulation by resistance switching in CeO2/PrBa2Cu3O7â^'Î´/Pt heterostructure: The role of oxygen vacancies. Applied Physics Letters, 2013, 103, 262411.	3.3	2
151	The manipulation of magnetic properties by resistive switching effect in CeO2/La0.7(Sr0.1Ca0.9)0.3MnO3 system. Journal of Applied Physics, 2013, 113, 17C708.	2.5	7
152	Structure and exchange bias of Ni50Mn37Sn13 ribbons. Journal of Applied Physics, 2012, 111, .	2.5	27
153	Preparation and magnetic properties of MnBi. Journal of Applied Physics, 2012, 111, .	2.5	43
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157	The magnetic and magnetocaloric properties of NdFe12â^'xMox compounds. Journal of Applied Physics, 2012, 111, 07A949.	2.5	2
158	Trap-assisted tunneling resistance switching effect in CeO2/La0.7(Sr0.1Ca0.9)0.3MnO3 heterostructure. Applied Physics Letters, 2012, 101, .	3.3	21
159	Anisotropic nanocrystalline MnBi with high coercivity at high temperature. Applied Physics Letters, 2011, 99, 082505.	3.3	115
160	Magnetostrictions of Sm$_{2}$Fe$_{17}$ and Sm$_{2}$Fe$_{17}$N$_{3}$. IEEE Transactions on Magnetics, 2011, 47, 3621-3624.	2.1	0
161	Comprehensive study of the resistance switching in SrTiO3 and Nb-doped SrTiO3. Applied Physics Letters, 2011, 98, .	3.3	110
162	Preparation of anisotropic Nd(Fe,Mo)12N1.0 magnetic materials by strip casting technique and direct nitrogenation for the strips. Journal of Applied Physics, 2011, 109, 07A738.	2.5	3

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163	Rodlike disproportionation microstructure in the Pr13Fe80B7 alloys treated by conventional HDDR process. Journal of Applied Physics, 2010, 107, 09A727.	2.5	1
164	Magnetic properties and magnetocaloric effect in Nd5Si3 compound. Journal of Applied Physics, 2010, 107, 09A917.	2.5	9
165	Preparation of anisotropic Nd(Fe,Mo)12Nx magnetic materials by the strip-casting technique. Journal of Applied Physics, 2006, 99, 08B517.	2.5	4
166	Microstructural evolutions in NdFe10.5Mo1.5NX and Pr13Fe80B7 compounds during hydrogenation-disproportionation desorption recombination process. Journal of Applied Physics, 2006, 99, 08B503.	2.5	7
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174	Magnetic properties and magnetic domain structures of NdFe10.5Mo1.5 and NdFe10.5Mo1.5Nx. Applied Physics Letters, 1997, 71, 3290-3292.	3.3	41
175	Synthesis and characterization of hard magnetic materials: PrFe10.5V1.5Nx. Applied Physics Letters, 1997, 70, 3044-3046.	3.3	8