

Wenbo Mi

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Anomalous Hall effect of facing-target sputtered ferrimagnetic Mn ₄ N epitaxial films with perpendicular magnetic anisotropy. Chinese Physics B, 2022, 31, 047305.	1.4	7
2	Molecular spinterface in F ₄ TCNQ-doped polymer spin valves. Journal of Materials Chemistry C, 2022, 10, 2608-2615.	5.5	6
3	Microstructure, magnetic and electronic transport properties of reactively facing-target sputtered epitaxial Mn ₄ N films. Journal of Physics Condensed Matter, 2022, 34, 065802.	1.8	5
4	Manipulation of Magnetic Properties and Magnetoresistance in Co/Cu ³ -Fe ₄ N/Mica Flexible Spin Valves via External Mechanical Strains. ACS Applied Electronic Materials, 2022, 4, 276-286.	4.3	1
5	Ferroelectric polarization tailored interfacial charge distribution to modify magnetic properties of two-dimensional Janus FeBr/In ₂ S ₃ heterostructures. Applied Physics Letters, 2022, 120, .	3.3	10
6	Progress in magnetic alloys with kagome structure: materials, fabrications and physical properties. Journal of Materials Chemistry C, 2022, 10, 7748-7770.	5.5	6
7	Core-Shell Three-Dimensional Perovskite Nanocrystals with Chiral-Induced Spin Selectivity for Room-Temperature Spin Light-Emitting Diodes. Journal of the American Chemical Society, 2022, 144, 9707-9714.	13.7	47
8	Two-dimensional heterotriangulene-based manganese organic frameworks: bipolar magnetic and half semiconductors with perpendicular magnetocrystalline anisotropy. Nanoscale, 2022, 14, 8865-8874.	5.6	4
9	Anomalous and topological Hall effects of ferromagnetic Fe ₃ Sn ₂ epitaxial films with kagome lattice. Applied Physics Letters, 2022, 120, .	3.3	6
10	Two dimensional Janus Ti-trihalide monolayers with half-metallic characteristics, Mott insulator properties and tunable magnetic anisotropy. Journal of Materials Chemistry C, 2022, 10, 10616-10626.	5.5	6
11	Spin Polarized Electronic Transport and Photocurrent in Chiral Methionine Molecule via Magnetic Tunnel Junction Model from First Principles. Advanced Quantum Technologies, 2022, 5, .	3.9	2
12	Tunable electronic structure and magnetic properties of two-dimensional g-C ₃ N ₄ /Cr ₂ Ge ₂ Te ₆ van der Waals heterostructures. Computational Materials Science, 2021, 187, 110085.	3.0	11
13	Unveiling the role of Fe ₃ O ₄ in polymer spin valve near Verwey transition. Nano Research, 2021, 14, 304-310.	10.4	10
14	Electronic structure and magnetic properties of two-dimensional h-BN/Janus 2H-VSeX (X=As, Te) van der Waals heterostructures. Applied Surface Science, 2021, 537, 147898.	6.1	25
15	Room temperature spontaneous valley polarization in two-dimensional FeClBr monolayer. Nanoscale, 2021, 13, 14807-14813.	5.6	53
16	Enhancing the Curie temperature of two-dimensional monolayer CrI ₃ by introducing I-vacancies and interstitial H-atoms. Physical Chemistry Chemical Physics, 2021, 23, 22103-22109.	2.8	9
17	Induced half-metallic characteristics and enhanced magnetic anisotropy in the two-dimensional Janus V ₂ I ₃ Br ₃ monolayer by graphyne adsorption. Physical Chemistry Chemical Physics, 2021, 23, 17338-17347.	2.8	7
18	Mechanically tunable magnetic and electronic transport properties of flexible magnetic films and their heterostructures for spintronics. Journal of Materials Chemistry C, 2021, 9, 9400-9430.	5.5	14

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19	Catalytically potent and selective clusterzymes for modulation of neuroinflammation through single-atom substitutions. <i>Nature Communications</i> , 2021, 12, 114.	12.8	123
20	Berry Phase Engineering in SrRuO ₃ /SrIrO ₃ /SrTiO ₃ Superlattices Induced by Band Structure Reconstruction. <i>ACS Nano</i> , 2021, 15, 5086-5095.	14.6	19
21	Field-Free Manipulation of Skyrmion Creation and Annihilation by Tunable Strain Engineering. <i>Advanced Functional Materials</i> , 2021, 31, 2008715.	14.9	31
22	Fabrication of Black In ₂ O ₃ with Dense Oxygen Vacancy through Dual Functional Carbon Doping for Enhancing Photothermal CO ₂ Hydrogenation. <i>Advanced Functional Materials</i> , 2021, 31, 2100908.	14.9	66
23	Inversion of angular-dependent planar magnetoresistance in epitaxial Pt ^{3d} -Fe ₄ N bilayers. <i>Applied Physics Letters</i> , 2021, 118, 111601.	3.3	2
24	Valley polarization, magnetic anisotropy and Dzyaloshinskii-Moriya interaction of two-dimensional graphene/Janus 2H-VSeX (X = S, Te) heterostructures. <i>Carbon</i> , 2021, 174, 540-555.	10.3	47
25	Emergence of Room Temperature Magnetotransport Anomaly in Epitaxial Pt ^{3d} -Fe ₄ N/MgO Heterostructures toward Noncollinear Spintronics. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 26639-26648.	8.0	3
26	Vertical-orbital band center as an activity descriptor for hydrogen evolution reaction on single-atom-anchored 2D catalysts. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 245201.	1.8	9
27	Role of exchange splitting and ligand-field splitting in tuning the magnetic anisotropy of an individual iridium atom on TaS ₂ substrate. <i>Physical Review B</i> , 2021, 103, .	3.2	17
28	Half-Metallicity and Magnetic Anisotropy in Transition-Metal-Atom-Doped Graphitic Germanium Carbide (g-GeC) Monolayers. <i>Journal of Physical Chemistry C</i> , 2021, 125, 13688-13695.	3.1	18
29	Orientational Alignment of Oxygen Vacancies: Electric-Field-Inducing Conductive Channels in TiO ₂ Film to Boost Photocatalytic Conversion of CO ₂ into CO. <i>Nano Letters</i> , 2021, 21, 5060-5067.	9.1	19
30	Truxone-Based Conductive Metal-Organic Frameworks for the Oxygen Reductive Reaction. <i>Journal of Physical Chemistry C</i> , 2021, 125, 12690-12698.	3.1	12
31	Defect-Engineered Dzyaloshinskii-Moriya Interaction and Electric-Field-Switchable Topological Spin Texture in SrRuO ₃ . <i>Advanced Materials</i> , 2021, 33, e2102525.	21.0	34
32	Chiral Helimagnetism and One-Dimensional Magnetic Solitons in a Cr-Intercalated Transition Metal Dichalcogenide. <i>Advanced Materials</i> , 2021, 33, e2101131.	21.0	40
33	Two-Dimensional Janus FeXY (X, Y = Cl, Br, and I, X ≠ Y) Monolayers: Half-Metallic Ferromagnets with Tunable Magnetic Properties under Strain. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 38897-38905.	8.0	84
34	Defect-Engineered Dzyaloshinskii-Moriya Interaction and Electric-Field-Switchable Topological Spin Texture in SrRuO ₃ (Adv. Mater. 33/2021). <i>Advanced Materials</i> , 2021, 33, 2170255.	21.0	1
35	Topological spin textures in a two-dimensional MnBi ₂ (Se, Te) ₄ Janus material. <i>Applied Physics Letters</i> , 2021, 119, .	3.3	30
36	Novel electronic structures and magnetic properties in twisted two-dimensional graphene/Janus 2H-VSeTe heterostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2021, 134, 114854.	2.7	8

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37	Tunable electronic structure and magnetic anisotropy of two dimensional Mn ₂ CFCl/MoSSe van der Waals heterostructures by electric field and biaxial strain. Applied Surface Science, 2021, 566, 150683.	6.1	14
38	Electric field induced reversal of spin polarization, magnetic anisotropy and tailored Dzyaloshinskii–Moriya interaction in underoxidized SrRuO ₃ /SrTiO ₃ heterostructures. Physical Chemistry Chemical Physics, 2021, 23, 3008-3018.	2.8	2
39	Atomic-Scale Mechanism of Grain Boundary Effects on the Magnetic and Transport Properties of Fe ₃ O ₄ Bicrystal Films. ACS Applied Materials & Interfaces, 2021, 13, 6889-6896.	8.0	4
40	Spin-Dependent Electronic Structure and Magnetic Properties of 2D JANUS Mn ₂ CFCl/CuBiP ₂ Se ₆ Van Der Waals Multiferroic Heterostructures. Advanced Theory and Simulations, 2021, 4, 2100302.	2.8	5
41	Tunable Magnetic Properties in SrRuO ₃ /BiFeO ₃ Heterostructures via Electric Field. Journal of Physical Chemistry C, 2021, 125, 24052-24059.	3.1	4
42	Electrocatalytic performance of Mn-adsorbed g-C ₃ N ₄ : a first-principles study. Journal of Materials Chemistry A, 2021, 9, 26266-26276.	10.3	12
43	Electrical control of topological spin textures in two-dimensional multiferroics. Nanoscale, 2021, 13, 20609-20614.	5.6	11
44	Spin-Dependent Electronic Structure and Magnetic Anisotropy of 2D Ferromagnetic Janus Cr ₂ IX ₃ (X = Br, Cl) Monolayers. Advanced Electronic Materials, 2020, 6, 1900778.	5.1	83
45	Achieving effective control of the photocatalytic performance for CoFe ₂ O ₄ /MoS ₂ heterojunction via exerting external magnetic fields. Materials Letters, 2020, 260, 126979.	2.6	32
46	2D Semiconducting Metal–Organic Framework Thin Films for Organic Spin Valves. Angewandte Chemie, 2020, 132, 1134-1139.	2.0	30
47	2D Semiconducting Metal–Organic Framework Thin Films for Organic Spin Valves. Angewandte Chemie - International Edition, 2020, 59, 1118-1123.	13.8	172
48	Progress in BiFeO ₃ -based heterostructures: materials, properties and applications. Nanoscale, 2020, 12, 477-523.	5.6	94
49	Regulating the Spin State of Fe ^{III} by Atomically Anchoring on Ultrathin Titanium Dioxide for Efficient Oxygen Evolution Electrocatalysis. Angewandte Chemie - International Edition, 2020, 59, 2313-2317.	13.8	214
50	Regulating the Spin State of Fe ^{III} by Atomically Anchoring on Ultrathin Titanium Dioxide for Efficient Oxygen Evolution Electrocatalysis. Angewandte Chemie, 2020, 132, 2333-2337.	2.0	24
51	Tunable valley polarization, magnetic anisotropy and Dzyaloshinskii–Moriya interaction in two-dimensional intrinsic ferromagnetic Janus 2H-VSeX (X = S, Te) monolayers. Physical Chemistry Chemical Physics, 2020, 22, 23597-23608.	2.8	33
52	Lattice deformation in epitaxial Fe ₃ O ₄ films on MgO substrates studied by polarized Raman spectroscopy*. Chinese Physics B, 2020, 29, 083302.	1.4	1
53	5d transition-metal atom/5d–3d dimer adsorption tailored electronic structure and magnetic anisotropy of two-dimensional WSe ₂ monolayers. Journal of Materials Chemistry C, 2020, 8, 11417-11425.	5.5	8
54	Electric-field-driven non-volatile multi-state switching of individual skyrmions in a multiferroic heterostructure. Nature Communications, 2020, 11, 3577.	12.8	117

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55	Atomic Layer and Interfacial Oxygen Defect Tailored Magnetic Anisotropy and Dzyaloshinskiiâ€“Moriya Interaction in Perovskite SrRuO ₃ /SrTiO ₃ Heterostructures. ACS Applied Electronic Materials, 2020, 2, 2591-2600.	4.3	8
56	Interfacial magnetic anisotropy and Dzyaloshinskiiâ€“Moriya interaction at two-dimensional SiC/Fe ₄ N(111) interfaces. Journal of Applied Physics, 2020, 128, 063903.	2.5	2
57	Bending strain tailored exchange bias in epitaxial NiMn/ $\sqrt{3}\times\sqrt{3}$ -Fe ₄ N bilayers. Applied Physics Letters, 2020, 117, .	3.3	12
58	Bending Strain-Tailored Magnetic and Electronic Transport Properties of Reactively Sputtered $\sqrt{3}\times\sqrt{3}$ -Fe ₄ N/Muscovite Epitaxial Heterostructures toward Flexible Spintronics. ACS Applied Materials & Interfaces, 2020, 12, 27394-27404.	8.0	12
59	Electric field controllable high-spin $\sqrt{3}\times\sqrt{3}$ SrRuO ₃ driven by a solid ionic junction. Physical Review B, 2020, 101, .	3.2	19
60	Highly spin-polarized electronic structure and magnetic properties of Mn _{2.25} Co _{0.75} Al _{1-x} Ge _x Heusler alloys: first-principles calculations. RSC Advances, 2020, 10, 22556-22569.	3.6	2
61	Electronic structure, magnetic anisotropy and Dzyaloshinskiiâ€“Moriya interaction in Janus Cr ₂ I ₃ X ₃ (X = Br, Cl) bilayers. Physical Chemistry Chemical Physics, 2020, 22, 8647-8657.	2.8	24
62	Structure, magnetic and electronic transport properties in antiperovskite cubic $\sqrt{3}\times\sqrt{3}$ -CuFe ₃ N polycrystalline films. Intermetallics, 2020, 121, 106779.	3.9	6
63	Atomic origin of spin-valve magnetoresistance at the SrRuO ₃ grain boundary. National Science Review, 2020, 7, 755-762.	9.5	12
64	3D Nest-Like Architecture of Coreâ€“Shell CoFe ₂ O ₄ @1T/2H-MoS ₂ Composites with Tunable Microwave Absorption Performance. ACS Applied Materials & Interfaces, 2020, 12, 11252-11264.	8.0	197
65	Surface Functionalization Tailored Electronic Structure and Magnetic Properties of Two-Dimensional CrC ₂ Monolayers. Journal of Physical Chemistry C, 2020, 124, 3095-3106.	3.1	13
66	Manipulating spin polarization of titanium dioxide for efficient photocatalysis. Nature Communications, 2020, 11, 418.	12.8	252
67	Effect of surface roughness on the anomalous Hall effect in Fe thin films. Physical Review B, 2020, 101, .	3.2	12
68	Tunneling magnetoresistance and light modulation in Fe ₄ N(La ₂ /3Sr ₁ /3MnO ₃)/C60/Fe ₄ N single molecule magnetic tunnel junctions. Journal of Materials Chemistry C, 2020, 8, 3137-3146.	5.5	13
69	Nitrogen Tuned Charge Redistribution and Orbital Reconfiguration in Fe/MgO Interface for Significant Interfacial Magnetism Tunability. Advanced Functional Materials, 2019, 29, 1806677.	14.9	10
70	Spin-Dependent Electronic Structure and Magnetic Anisotropy of Two-Dimensional SnO/Fe ₄ N Heterostructures. Journal of Physical Chemistry C, 2019, 123, 22424-22430.	3.1	5
71	Electric field-tailored giant transformation of magnetic anisotropy and interfacial spin coupling in epitaxial $\sqrt{3}\times\sqrt{3}$ -Fe ₄ N/Pb(Mg _{1/3} Nb _{2/3}) _{0.7} Ti _{0.3} O ₃ (011) multiferroic heterostructures. Journal of Materials Chemistry C, 2019, 7, 8537-8545.	5.5	11
72	Strain and electric field modulated electronic structure of two-dimensional SiP(SiAs)/GeS van der Waals heterostructures. Journal of Materials Chemistry C, 2019, 7, 10491-10497.	5.5	27

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73	Boosting Oxygen Evolution Kinetics by Mn-N-C Motifs with Tunable Spin State for Highly Efficient Solar-Driven Water Splitting. <i>Advanced Energy Materials</i> , 2019, 9, 1901505.	19.5	121
74	Strain-Tailored Valley Polarization and Magnetic Anisotropy in Two-Dimensional 2H-VS ₂ /Cr ₂ C Heterostructures. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17440-17448.	3.1	38
75	Atomic-Precision Gold Clusters for NIR Imaging. <i>Advanced Materials</i> , 2019, 31, e1901015.	21.0	279
76	Magnetoelectric coupling in $\text{Fe}_4\text{N}/\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})_0.7\text{Ti}_0.3\text{O}_3$ multiferroic heterostructures. <i>Journal of Applied Physics</i> , 2019, 126, 113901.	2.5	6
77	Tunable electronic structure and magnetic anisotropy of two dimensional van der Waals GeS/FeCl ₂ multiferroic heterostructures. <i>Journal of Materials Chemistry C</i> , 2019, 7, 2049-2058.	5.5	28
78	Homochirality in biomineral suprastructures induced by assembly of single-enantiomer amino acids from a nonracemic mixture. <i>Nature Communications</i> , 2019, 10, 2318.	12.8	21
79	Negative differential resistance and magnetotransport in Fe ₃ O ₄ /SiO ₂ /Si heterostructures. <i>Applied Physics Letters</i> , 2019, 114, 242402.	3.3	6
80	Spin polarization and magnetic properties at the C ₆₀ /Fe ₄ N(001) spinterface. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8325-8334.	5.5	20
81	Tunable valley and spin splitting in 2H-VSe ₂ /BiFeO ₃ (111) triferroic heterostructures. <i>Nanoscale</i> , 2019, 11, 10329-10338.	5.6	38
82	Perpendicular magnetic anisotropy modulated by interfacial magnetoelectric coupling in Fe ₄ N/0.75Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.25PbTiO ₃ multiferroic heterostructures. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 335001.	2.8	5
83	Triferroic Material and Electrical Control of Valley Degree of Freedom. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 12675-12682.	8.0	52
84	Large magnetoresistance and spin-polarized photocurrent in La _{2/3} Sr _{1/3} MnO ₃ (Co)/quaterthiophene/La _{2/3} Sr _{1/3} MnO ₃ organic magnetic tunnel junctions. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4079-4088.	2.8	2
85	Electronic transport properties and magnetoresistance in the Fe ₃ O ₄ /SiO ₂ /p-Si heterostructure with an in-plane current geometry. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 7518-7523.	2.8	2
86	Magnetic proximity effect induced spin-dependent electronic structure in two-dimensional SnO by half-metallic monolayer CrN ferromagnet. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 6984-6990.	2.8	11
87	Half-metal to magnetic semiconductor transition in Mn-doped monolayer Bi ₂ O ₂ Se tuned by strain. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 480, 73-78.	2.3	11
88	Ferromagnetic, Ferroelectric, and Optical Modulated Multiple Resistance States in Multiferroic Tunnel Junctions. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 1057-1064.	8.0	16
89	Electrical Control of Magnetic Behavior and Valley Polarization of Monolayer Antiferromagnetic $\text{P}(\text{MnSe})_3$ on an Insulating Ferroelectric Substrate from First Principles. <i>Physical Review Applied</i> , 2019, 11, .	3.8	36
90	Valley and spin splitting in monolayer TX_2 /antiferromagnetic MnO ($\text{TM}=\text{Fe, Mo}$) T ₁ ETQqO O	2.8	17

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91	Valley polarization and biaxial strain dependent conductivity of WS ₂ /SrRuO ₃ (111) heterostructures. Computational Materials Science, 2019, 158, 376-381.	3.0	3
92	Enhanced Photocatalytic Performance through Magnetic Field Boosting Carrier Transport. ACS Nano, 2018, 12, 3351-3359.	14.6	190
93	Spin splitting and p/n-type doping of two-dimensional WSe ₂ /Bi ₂ Te ₃ (111) heterostructures. Physical Chemistry Chemical Physics, 2018, 20, 6100-6107.	2.8	7
94	Proximity effect induced spin filtering and gap opening in graphene by half-metallic monolayer Cr ₂ C ferromagnet. Carbon, 2018, 132, 25-31.	10.3	39
95	Spin-dependent electronic transport characteristics in Fe ₄ N/BiFeO ₃ /Fe ₄ N perpendicular magnetic tunnel junctions. Journal of Applied Physics, 2018, 123, .	2.5	13
96	Large Magnetoresistance in Fe ₃ O ₄ /4,4'-Bipyridine/Fe ₃ O ₄ Organic Magnetic Tunnel Junctions. Journal of Physical Chemistry C, 2018, 122, 3115-3122.	3.1	24
97	The role of rare-earth dopants in tailoring the magnetism and magnetic anisotropy in Fe ₄ N. Journal of Physics and Chemistry of Solids, 2018, 116, 7-14.	4.0	6
98	Tunable Valley and Spin Polarizations in BiXO ₃ /Bi ₂ Te ₃ (X = Fe, Mn) Ferroelectric Superlattices. ACS Applied Materials & Interfaces, 2018, 10, 3822-3829.	8.0	16
99	Electronic structure of transitional metal doped two dimensional 1T-TaS ₂ : A first-principles study. Journal of Alloys and Compounds, 2018, 739, 723-728.	5.5	18
100	Orbital Redistribution Enhanced Perpendicular Magnetic Anisotropy of CoFe ₃ N Nitrides by Adsorbing Organic Molecules. ACS Applied Materials & Interfaces, 2018, 10, 16674-16680.	8.0	17
101	Superior electronic structure of two-dimensional 3d transition metal dicarbides for applications in spintronics. Journal of Materials Chemistry C, 2018, 6, 4290-4299.	5.5	23
102	Efficient band structure modulations in two-dimensional MnPSe ₃ /CrSiTe ₃ van der Waals heterostructures. Nanotechnology, 2018, 29, 214001.	2.6	14
103	Prediction on electronic structure of CH ₃ NH ₃ PbI ₃ /Fe ₃ O ₄ interfaces. Solid State Communications, 2018, 269, 90-95.	1.9	3
104	Reliable Spin Valves of Conjugated Polymer Based on Mechanically Transferrable Top Electrodes. ACS Nano, 2018, 12, 12657-12664.	14.6	34
105	The contribution of distinct response characteristics of Fe atoms to switching of magnetic anisotropy in Fe ₄ N/MgO heterostructures. Applied Physics Letters, 2018, 113, .	3.3	26
106	Spin-orbit coupling induced spin polarized valley states in SrRuO ₃ /Bi ₂ Te ₃ heterostructures. Physical Chemistry Chemical Physics, 2018, 20, 24768-24774.	2.8	0
107	Progress in organic molecular/ferromagnet spinterfaces: towards molecular spintronics. Journal of Materials Chemistry C, 2018, 6, 6619-6636.	5.5	40
108	Half-metallicity and spin-valley coupling in 5d transition metal substituted monolayer MnPSe ₃ . Journal of Materials Chemistry C, 2018, 6, 8092-8098.	5.5	23

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109	Progress in Fe ₃ O ₄ -based multiferroic heterostructures. Journal of Alloys and Compounds, 2018, 765, 1127-1138.	5.5	28
110	Significant Strain-Induced Orbital Reconstruction and Strong Interfacial Magnetism in TiNi(Nb)/Ferromagnet/Oxide Heterostructures via Oxygen Manipulation. Advanced Functional Materials, 2018, 28, 1803335.	14.9	30
111	Strain and interlayer coupling tailored magnetic properties and valley splitting in layered ferrovalley 2H-VSe ₂ . Applied Surface Science, 2018, 458, 191-197.	6.1	46
112	Magnetoresistance of epitaxial and polycrystalline Fe ₃ O ₄ films near Verwey transition. Applied Physics Letters, 2018, 113, .	3.3	9
113	Ferromagnetic resonance of facing-target sputtered epitaxial Fe^{2+} -Fe ₄ N films: the influence of thickness and substrates. Journal Physics D: Applied Physics, 2018, 51, 245001.	2.8	20
114	Spin polarization and spin channel reversal in graphitic carbon nitrides on top of an Fe_2O_3 (001) surface. Physical Chemistry Chemical Physics, 2018, 20, 22489-22497.	2.8	5
115	Electric field effects on electronic structure of tantalum dichalcogenides van der Waals TaS ₂ /TaSe ₂ and TaSe ₂ /TaTe ₂ heterostructures. Applied Surface Science, 2018, 455, 963-969.	6.1	9
116	Electric field tunable half-metallic characteristic at Fe ₃ O ₄ /BaTiO ₃ interfaces. Physical Chemistry Chemical Physics, 2017, 19, 4330-4336.	2.8	4
117	Geometric distortion and spin-dependent electronic structure of C ₆ H ₆ -adsorbed Fe ₃ O ₄ (001): A first-principles study. Journal of Applied Physics, 2017, 121, .	2.5	10
118	Biaxial strain effect induced electronic structure alternation and trimeron recombination in Fe ₃ O ₄ . Scientific Reports, 2017, 7, 43403.	3.3	14
119	An sd ² hybridized transition-metal monolayer with a hexagonal lattice: reconstruction between the Dirac and kagome bands. Physical Chemistry Chemical Physics, 2017, 19, 8046-8054.	2.8	5
120	Electric Field Tunable Magnetism at C ₆ H ₆ -Adsorbed Fe ₃ O ₄ (001) Surface. Journal of Physical Chemistry C, 2017, 121, 5178-5184.	3.1	8
121	Perpendicular Magnetic Anisotropy Preserved by Orbital Oscillation in Strained Tetragonal Fe ₄ N/BiFeO ₃ Bilayers. ACS Applied Materials & Interfaces, 2017, 9, 15887-15892.	8.0	21
122	Tunable gap opening and spin polarization of two dimensional graphene/hafnene van der Waals heterostructures. Carbon, 2017, 120, 121-127.	10.3	32
123	Inverse Magnetoresistance in Polymer Spin Valves. ACS Applied Materials & Interfaces, 2017, 9, 15644-15651.	8.0	35
124	Orbital rearrangement mechanism and half-metallicity transition in strained Fe ₃ O ₄ /BaTiO ₃ interfaces. Computational Materials Science, 2017, 137, 243-248.	3.0	1
125	Spin splitting and reemergence of charge compensation in monolayer WTe ₂ by 3d transition-metal adsorption. Physical Chemistry Chemical Physics, 2017, 19, 7721-7727.	2.8	15
126	Spin polarization and magnetic characteristics at C ₆ H ₆ /Co ₂ MnSi(001) spinterface. Journal of Chemical Physics, 2017, 147, 114702.	3.0	16

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127	Superior Electronic Structure in Two-Dimensional MnPSe ₃ /MoS ₂ van der Waals Heterostructures. Scientific Reports, 2017, 7, 9504.	3.3	28
128	Ferroelectricity Tailored Valley Splitting in Monolayer WTe ₂ /YMnO ₃ Heterostructures: A Route toward Electrically Controlled Valleytronics. Advanced Electronic Materials, 2017, 3, 1700245.	5.1	19
129	Electric-field tunable perpendicular magnetic anisotropy in tetragonal Fe ₄ N/BiFeO ₃ heterostructures. Applied Physics Letters, 2017, 111, 032404.	3.3	24
130	Spin splitting and electric field modulated electron-hole pockets in antimonene nanoribbons. Npj Quantum Materials, 2017, 2, .	5.2	14
131	Anisotropic magnetoresistance across Verwey transition in charge ordered epitaxial films. Physical Review B, 2017, 96, .	3.2	22
132	Role of electron filling in the magnetic anisotropy of monolayer doped with transition metals. Physical Review Materials, 2017, 1, .	2.4	18
133	Electric Field Modulation on Special Interfacial Magnetic States in Tetragonal La _{2/3} Sr _{1/3} MnO ₃ /BiFeO ₃ Heterostructures. Journal of Physical Chemistry C, 2016, 120, 15342-15348.	3.1	14
134	Valley polarization and p/n-type doping of monolayer WTe ₂ on top of Fe ₃ O ₄ (111). Physical Chemistry Chemical Physics, 2016, 18, 15039-15045.	2.8	32
135	The electronic structure and spin-orbit-induced spin splitting in antimonene with vacancy defects. RSC Advances, 2016, 6, 66140-66146.	3.6	38
136	Strain and electric-field tunable valley states in 2D van der Waals MoTe ₂ /WTe ₂ heterostructures. Journal of Physics Condensed Matter, 2016, 28, 505003.	1.8	13
137	Strain-controlled interfacial magnetization and orbital splitting in La _{2/3} Sr _{1/3} MnO ₃ /tetragonal BiFeO ₃ heterostructures. Journal of Applied Physics, 2016, 120, 165303.	2.5	11
138	Prediction of spin-dependent electronic structure in 3d-transition-metal doped antimonene. Applied Physics Letters, 2016, 109, .	3.3	49
139	Perpendicular Magnetic Anisotropy and High Spin Polarization in Tetragonal Heterostructures. Physical Review Applied, 2016, 6, .	3.8	19
140	Orbital Reconstruction Enhanced Exchange Bias in La _{0.6} Sr _{0.4} MnO ₃ /Orthorhombic YMnO ₃ Heterostructures. Scientific Reports, 2016, 6, 24568.	3.3	10
141	Schottky potential barrier and spin polarization at Co/antimonene interfaces. RSC Advances, 2016, 6, 38746-38752.	3.6	9
142	Electric Field Effects on Spin Splitting of Two-Dimensional van der Waals Arsenene/FeCl ₂ Heterostructures. Journal of Physical Chemistry C, 2016, 120, 5613-5618.	3.1	46
143	Biaxial Strain and Electric Field Dependent Conductivity of Monolayer WTe ₂ on Top of Fe ₃ O ₄ (111). Advanced Materials Interfaces, 2016, 3, 1600581.	3.7	12
144	Anomalous Hall effect in Fe/Au multilayers. Physical Review B, 2016, 94, .	3.2	26

#	ARTICLE	IF	CITATIONS
145	Ferroelectric Metal in Tetragonal BiCoO ₃ /BiFeO ₃ Bilayers and Its Electric Field Effect. Scientific Reports, 2016, 6, 20591.	3.3	11
146	Large Spin Valley Polarization in Monolayer MoTe ₂ on Top of EuO(111). Advanced Materials, 2016, 28, 959-966.	21.0	239
147	Black phosphorene/monolayer transition-metal dichalcogenides as two dimensional van der Waals heterostructures: a first-principles study. Physical Chemistry Chemical Physics, 2016, 18, 7381-7388.	2.8	101
148	Large Spatial Spin Polarization at Benzene/La _{2/3} Sr _{1/3} MnO ₃ Spininterface: Toward Organic Spintronic Devices. Journal of Physical Chemistry C, 2016, 120, 6156-6164.	3.1	28
149	Tailoring magnetism of black phosphorene doped with B, C, N, O, F, S and Se atom: A DFT calculation. Journal of Alloys and Compounds, 2016, 662, 528-533.	5.5	59
150	Spin-polarization inversion at small organic molecule/Fe ₄ N interfaces: A first-principles study. Journal of Applied Physics, 2015, 118, 115301.	2.5	9
151	Curved Surface Plasmon Polariton Excitation With Shaped Beam by Fifth-Power Phase Mask. IEEE Photonics Journal, 2015, 7, 1-5.	2.0	5
152	Titanium-Defected Undoped Anatase TiO ₂ with p-Type Conductivity, Room-Temperature Ferromagnetism, and Remarkable Photocatalytic Performance. Journal of the American Chemical Society, 2015, 137, 2975-2983.	13.7	549
153	Interfacial Exchange Coupling Induced Anomalous Anisotropic Magnetoresistance in Epitaxial Fe ₄ N/CoN Bilayers. ACS Applied Materials & Interfaces, 2015, 7, 3840-3845.	8.0	13
154	Scaling of anomalous Hall effects in facing-target reactively sputtered Fe ₄ N films. Physical Chemistry Chemical Physics, 2015, 17, 15435-15441.	2.8	21
155	Spin Polarization Inversion at Benzene-Absorbed Fe ₄ N Surface. Scientific Reports, 2015, 5, 10602.	3.3	21
156	Spin dependent transport and magnetic properties in Fe ₄ N/tris(8-hydroxyquinoline) aluminum/Co organic spin valves fabricated by facing-target sputtering. Thin Solid Films, 2015, 588, 26-33.	1.8	16
157	First principles prediction of interfacial magnetoelectric coupling in tetragonal La _{2/3} Sr _{1/3} MnO ₃ /BiFeO ₃ multiferroic superlattices. Physical Chemistry Chemical Physics, 2015, 17, 13647-13653.	2.8	5
158	Superior Properties of Energetically Stable La _{2/3} Sr _{1/3} MnO ₃ /Tetragonal BiFeO ₃ Multiferroic Superlattices. ACS Applied Materials & Interfaces, 2015, 7, 10612-10616.	8.0	38
159	Prediction of a metal-insulator transition and a two-dimensional electron gas in orthoferrite LaTiO ₃ /tetragonal BiFeO ₃ heterostructures. Journal of Materials Chemistry C, 2015, 3, 11066-11075.	5.5	13
160	Antiferromagnetic Order at The First Fe ₄ N Atomic Layer in Benzene Adsorbed Fe ₄ N Structures. Journal of Physical Chemistry C, 2015, 119, 23619-23626.	3.1	10
161	Prediction of spin-orbital coupling effects on the electronic structure of two dimensional van der Waals heterostructures. Physical Chemistry Chemical Physics, 2015, 17, 31253-31259.	2.8	17
162	First-principles study on the interfacial magnetic and electronic properties of Fe ₄ N(0 0 1)/Si and Fe ₄ N(1 1 1)/Si. Journal of Applied Physics, 2015, 118, 115301.	2.5	9

#	ARTICLE	IF	CITATIONS
163	The magnetism of Fe ₄ N/oxides (MgO, BaTiO ₃ , BiFeO ₃) interfaces from first-principles calculations. RSC Advances, 2014, 4, 48848-48859.	3.6	12
164	Enhanced anomalous Hall effect in Fe nanocluster assembled thin films. Physical Chemistry Chemical Physics, 2014, 16, 16623.	2.8	4
165	Role of anion doping on electronic structure and magnetism of GdN by first principles calculations. RSC Advances, 2014, 4, 1180-1184.	3.6	1
166	Structure, magnetic, and transport properties of epitaxial ZnFe ₂ O ₄ films: An experimental and first-principles study. Journal of Applied Physics, 2014, 115, .	2.5	35
167	Undoped ZnO abundant with metal vacancies. Nano Energy, 2014, 9, 71-79.	16.0	151
168	Magnetism by Interfacial Hybridization and <i>ip</i> -type Doping of MoS ₂ in Fe ₄ N/MoS ₂ Superlattices: A First-Principles Study. ACS Applied Materials & Interfaces, 2014, 6, 4587-4594.	8.0	54
169	The Interface between Gd and Monolayer MoS ₂ : A First-Principles Study. Scientific Reports, 2014, 4, 7368.	3.3	20
170	First Principles Prediction of the Magnetic Properties of Fe-X6 (X = S, C, N, O, F) Doped Monolayer MoS ₂ . Scientific Reports, 2014, 4, 3987.	3.3	78
171	Magnetic and electronic properties of Cu _{1-x} Fe _x O from first principles calculations. RSC Advances, 2013, 3, 4447.	3.6	3
172	Reactively sputtered epitaxial $\hat{3}\hat{2}$ -Fe ₄ N films: Surface morphology, microstructure, magnetic and electrical transport properties. Acta Materialia, 2013, 61, 6387-6395.	7.9	80
173	Charge ordering in reactive sputtered (1 0 0) and (1 1 1) oriented epitaxial Fe ₃ O ₄ films. Scripta Materialia, 2013, 68, 972-975.	5.2	17
174	Prediction of two-dimensional diluted magnetic semiconductors: Doped monolayer MoS ₂ systems. Physical Review B, 2013, 87, .	3.2	494
175	A comparative study of transport properties in polycrystalline and epitaxial chromium nitride films. Journal of Applied Physics, 2013, 113, .	2.5	22
176	Magnetic and electronic properties of Fe ₃ O ₄ /graphene heterostructures: First principles perspective. Journal of Applied Physics, 2013, 113, .	2.5	6
177	Large negative magnetoresistance in reactive sputtered polycrystalline GdN _x films. Applied Physics Letters, 2013, 102, .	3.3	4
178	Anomalous Hall effect and magnetoresistance behavior in Co/Pd _{1-x} Ag _x multilayers. Applied Physics Letters, 2013, 102, .	3.3	8
179	Effects of surface and interface scattering on anomalous Hall effect in Co/Pd multilayers. Physical Review B, 2012, 86, .	3.2	68
180	Positive Magnetoresistance in Amorphous Ni _{1-x} /p-Si Heterostructure. Applied Physics Express, 2012, 5, 043002.	2.4	2

#	ARTICLE	IF	CITATIONS
181	Magnetocrystalline anisotropy-dependent six-fold symmetric anisotropic magnetoresistance in epitaxial Co _x Fe _{3x} O ₄ films. Europhysics Letters, 2012, 100, 27006.	2.0	6
182	Electronic and optical properties of new multifunctional materials via half-substituted hematite: first principles calculations. RSC Advances, 2012, 2, 10708.	3.6	24
183	Electronic and magnetic structure of Fe ₃ O ₄ /BiFeO ₃ multiferroic superlattices: First principles calculations. Journal of Applied Physics, 2012, 112, 063925.	2.5	22
184	Microstructure, magnetic and electronic transport properties of polycrystalline ϵ -Fe ₄ N films. Thin Solid Films, 2012, 520, 7035-7040.	1.8	29
185	The influence of metal interlayers on the structural and optical properties of nano-crystalline TiO ₂ films. Applied Surface Science, 2012, 258, 4532-4537.	6.1	31
186	Resistive switching in reactive cosputtered MFe ₂ O ₄ (M= Co, Ni) films. Applied Surface Science, 2012, 263, 678-681.	6.1	21
187	Anomalous Hall effect in polycrystalline Ni films. Solid State Communications, 2012, 152, 220-224.	1.9	21
188	Ferromagnetic half-metallic characteristic in bulk Ni _{0.5} M _{0.5} O (M=Cu, Zn and Cd): A GGA+U study. Solid State Communications, 2012, 152, 1108-1111.	1.9	10
189	Ferromagnetism in Reactive Sputtered Cu _{0.96} Fe _{0.04} O _{1-x} Nanocrystalline Films Evidenced by Anomalous Hall Effect. Applied Physics Express, 2011, 4, 043001.	2.4	6
190	Experimental and first-principles study on the magnetic and transport properties of Ti-doped Fe ₃ O ₄ epitaxial films. Journal of Applied Physics, 2011, 110, 083905.	2.5	12
191	Polycrystalline iron nitride films fabricated by reactive facing-target sputtering: Structure, magnetic and electrical transport properties. Journal of Applied Physics, 2011, 110, .	2.5	21
192	Pressure dependence of electronic structure and magnetic properties in Fe ₁₆ N ₂ . Solid State Communications, 2011, 151, 1903-1906.	1.9	2
193	Enhanced magnetic properties of annealed Fe ₄₈ Pt ₅₂ xC composite films by N incorporation. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 904-909.	1.8	1
194	Effect of Mn doping on the magnetic properties of the post-annealed Fe ₄₈ Pt ₅₂ xC composite films. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2198-2202.	1.8	0
195	Investigation of structure and magnetic properties of the as-deposited and post-annealed iron nitride films by reactive facing-target sputtering. Applied Surface Science, 2011, 257, 7320-7325.	6.1	22
196	Scaling of the anomalous Hall current in Fe $\langle \mathbf{m} \rangle$ $\langle \mathbf{m} \rangle = \langle \mathbf{m} \rangle$		

#	ARTICLE	IF	CITATIONS
199	Composition and film thickness effects on microstructure and magnetic properties of ordered L10-structured Fe _{100-x} P _x films. Journal of Alloys and Compounds, 2010, 503, 233-236.	5.5	9
200	Electrical transport properties and magnetoresistance of polycrystalline Fe ₃ O ₄ /p-Si heterostructures. Journal of Applied Physics, 2010, 107, .	2.5	20
201	Electrical transport and magnetic properties of reactive sputtered polycrystalline Ti _{1-x} Cr _x N films. Journal Physics D: Applied Physics, 2010, 43, 415003.	2.8	8
202	Structure, optical, and magnetic properties of facing-target reactive sputtered Ti _{1-x} Fe _x O ₂ films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2009, 27, 1172-1177.	2.1	13
203	Origin of the butterfly-shaped magnetoresistance in reactive sputtered epitaxial Fe ₃ O ₄ films. Journal of Applied Physics, 2009, 106, .	2.5	36
204	Fe ³⁺ /Fe ²⁺ ratio controlled magnetic and electrical transport properties of polycrystalline Fe ₃ (1-x)O ₄ films. Journal Physics D: Applied Physics, 2009, 42, 105007.	2.8	17
205	Structure, magnetic and optical properties of polycrystalline Co-doped TiO ₂ films. Journal of Magnetism and Magnetic Materials, 2009, 321, 2472-2476.	2.3	38
206	Microstructure and optical properties of N-incorporated polycrystalline ZnO films. Journal of Alloys and Compounds, 2009, 478, 507-512.	5.5	20
207	High-temperature ferromagnetism observed in facing-target reactive sputtered Mn _x Ti _{1-x} O ₂ films. Acta Materialia, 2008, 56, 3511-3515.	7.9	29
208	Structure, magnetic and transport properties of polycrystalline Fe ₃ O ₄ /Ge nanocomposite films. Journal Physics D: Applied Physics, 2008, 41, 055009.	2.8	9
209	Enhanced Hall effect in Fe _x Ge _{1-x} nanocomposite films. Journal of Applied Physics, 2008, 103, .	2.5	12
210	Current-perpendicular-to-plane transport properties of polycrystalline Fe ₃ O ₄ /Fe ₂ O ₃ heterostructures. Applied Physics Letters, 2008, 93, .	3.3	13
211	Structure, magnetic, and transport properties of sputtered Fe•Ge multilayers. Journal of Applied Physics, 2007, 102, .	2.5	14
212	Microstructure, magnetic, and optical properties of sputtered Mn-doped ZnO films with high-temperature ferromagnetism. Journal of Applied Physics, 2007, 101, 023904.	2.5	64
213	Structure and RT ferromagnetism of Fe-doped AlN films. Applied Surface Science, 2007, 253, 5431-5435.	6.1	20
214	Microstructure, magnetic and magneto-transport properties of polycrystalline Fe ₃ O ₄ films. Acta Materialia, 2007, 55, 1919-1926.	7.9	65
215	Fabrication and characterization of orientated grown AlN films sputtered at room temperature. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 1130-1137.	1.8	5
216	Spin-polarized transport of electrons from polycrystalline Fe ₃ O ₄ to amorphous Si. Applied Physics Letters, 2007, 91, .	3.3	30

#	ARTICLE	IF	CITATIONS
217	Enhancement of magnetization in sputtered polycrystalline Fe ₃ O ₄ /Al bilayers. Journal Physics D: Applied Physics, 2006, 39, 3726-3730.	2.8	2
218	Evolution of structure, magnetic and transport properties of sputtered films from Fe to Fe ₃ O ₄ . Journal Physics D: Applied Physics, 2006, 39, 5109-5115.	2.8	27
219	Structure and magnetic properties of N-doped Fe/C granular films. Journal Physics D: Applied Physics, 2006, 39, 911-916.	2.8	6
220	Characterization of facing-target reactive sputtered polycrystalline Fe ₃ O ₄ films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2006, 24, 390-395.	2.1	12
221	Enhanced low-temperature magnetoresistance in facing-target reactive sputtered Ni/CN _x composite films. Applied Physics Letters, 2006, 89, 242502.	3.3	9
222	Structure and magnetic properties of N-doped L10-ordered FePt/C nanocomposite films. Journal of Applied Physics, 2006, 99, 034315.	2.5	14
223	Antiferromagnetic-coupling-induced magnetoresistance enhancement in Fe _x (TiO ₂) _{1-x} films. Applied Physics Letters, 2006, 88, 232502.	3.3	5
224	TEM observation on the microstructure of Co doped C films. Physica Status Solidi A, 2005, 202, 1980-1986.	1.7	0
225	L10 phase transformation and magnetic behaviors of (Fe, FePt, FePtCu)/C nanocomposite films. Journal of Applied Physics, 2005, 97, 124303.	2.5	18
226	Facing-target sputtered Fe/C granular films: Structural and magnetic properties. Journal of Applied Physics, 2005, 97, 043903.	2.5	13
227	Structure and magnetic properties of RF sputtered Fe/N films. Journal Physics D: Applied Physics, 2004, 37, 1429-1433.	2.8	19
228	Magnetic properties of the charge ordered Nd _{0.75} Na _{0.25} MnO ₃ . Solid State Communications, 2004, 130, 563-566.	1.9	14
229	Annealing effects on the structure and magnetic properties of Fe/C granular films. Journal of Physics Condensed Matter, 2004, 16, 5569-5582.	1.8	4
230	Interdiffusion in low-temperature annealed amorphous CoMoN/CN compound soft-x-ray optical multilayer mirrors. Journal of Physics Condensed Matter, 2003, 15, 1235-1246.	1.8	4
231	Structure and magnetic properties of facing-target sputtered Co/C granular films. Journal Physics D: Applied Physics, 2003, 36, 2393-2399.	2.8	34
232	High thermal stability of amorphous CoMoN/CN compound soft-x-ray multilayers fabricated by dual-facing-target sputtering. Journal of Physics Condensed Matter, 2002, 14, L289-L295.	1.8	2
233	Progress in ferrimagnetic Mn ₄ N films and its heterostructures for spintronics applications. Journal Physics D: Applied Physics, 0, , .	2.8	10
234	Half-Metals and Weyl Nodal Line Semimetals in Two-Dimensional Phthalocyanine-Based Metal Organic Frameworks with Ni/Fe Dual Metals. Journal of Physical Chemistry C, 0, , .	3.1	2