Wenbo Mi

List of Publications by Year in descending order

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234 papers	7,398 citations	94433 37 h-index	76900 74 g-index
238 all docs	238 docs citations	238 times ranked	7666 citing authors

#	Article	IF	Citations
1	Titanium-Defected Undoped Anatase TiO₂ with p-Type Conductivity, Room-Temperature Ferromagnetism, and Remarkable Photocatalytic Performance. Journal of the American Chemical Society, 2015, 137, 2975-2983.	13.7	549
2	Prediction of two-dimensional diluted magnetic semiconductors: Doped monolayer MoS<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>systems. Physical Review B, 2013, 87, .	3.2	494
3	Atomicâ€Precision Gold Clusters for NIRâ€II Imaging. Advanced Materials, 2019, 31, e1901015.	21.0	279
4	Manipulating spin polarization of titanium dioxide for efficient photocatalysis. Nature Communications, 2020, 11, 418.	12.8	252
5	Large Spinâ€Valley Polarization in Monolayer MoTe₂ on Top of EuO(111). Advanced Materials, 2016, 28, 959-966.	21.0	239
6	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
7	3D Nest-Like Architecture of Coreâ€“Shell CoFe₂O₄@1T/2H-MoS₂ Composites with Tunable Microwave Absorption Performance. ACS Applied Materials & Interfaces, 2020, 12, 11252-11264.	8.0	197
8	Enhanced Photocatalytic Performance through Magnetic Field Boosting Carrier Transport. ACS Nano, 2018, 12, 3351-3359.	14.6	190
9	2D Semiconducting Metalâ€“Organic Framework Thin Films for Organic Spin Valves. Angewandte Chemie - International Edition, 2020, 59, 1118-1123.	13.8	172
10	Undoped ZnO abundant with metal vacancies. Nano Energy, 2014, 9, 71-79.	16.0	151
11	Catalytically potent and selective clusterzymes for modulation of neuroinflammation through single-atom substitutions. Nature Communications, 2021, 12, 114.	12.8	123
12	Boosting Oxygen Evolution Kinetics by Mnâ€“Nâ€“C Motifs with Tunable Spin State for Highly Efficient Solarâ€Driven Water Splitting. Advanced Energy Materials, 2019, 9, 1901505.	19.5	121
13	Electric-field-driven non-volatile multi-state switching of individual skyrmions in a multiferroic heterostructure. Nature Communications, 2020, 11, 3577.	12.8	117
14	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
15	Progress in BiFeO₃-based heterostructures: materials, properties and applications. Nanoscale, 2020, 12, 477-523.	5.6	94
16	Two-Dimensional Janus FeXY (X, Y = Cl, Br, and I, X â‰ Y) Monolayers: Half-Metallic Ferromagnets with Tunable Magnetic Properties under Strain. ACS Applied Materials & Interfaces, 2021, 13, 38897-38905.	8.0	84
17	Spinâ€Dependent Electronic Structure and Magnetic Anisotropy of 2D Ferromagnetic Janus Cr₂I₃X₃ (X = Br, Cl) Monolayers. Advanced Electronic Materials, 2020, 6, 1900778.	5.1	83
18	Reactively sputtered epitaxial Î³â€²-Fe4N films: Surface morphology, microstructure, magnetic and electrical transport properties. Acta Materialia, 2013, 61, 6387-6395.	7.9	80

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19	First Principles Prediction of the Magnetic Properties of Fe-X6 (X = S, C, N, O, F) Doped Monolayer MoS2. Scientific Reports, 2014, 4, 3987.	3.3	78
20	Effects of surface and interface scattering on anomalous Hall effect in Co/Pd multilayers. Physical Review B, 2012, 86, .	3.2	68
21	Fabrication of Black In₂O₃ with Dense Oxygen Vacancy through Dual Functional Carbon Doping for Enhancing Photothermal CO₂ Hydrogenation. Advanced Functional Materials, 2021, 31, 2100908.	14.9	66
22	Microstructure, magnetic and magneto-transport properties of polycrystalline Fe3O4 films. Acta Materialia, 2007, 55, 1919-1926.	7.9	65
23	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
24	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
25	Magnetism by Interfacial Hybridization and p-type Doping of MoS₂ in Fe₄N/MoS₂ Superlattices: A First-Principles Study. ACS Applied Materials & Interfaces, 2014, 6, 4587-4594.	8.0	54
26	Room temperature spontaneous valley polarization in two-dimensional FeClBr monolayer. Nanoscale, 2021, 13, 14807-14813.	5.6	53
27	Triferroic Material and Electrical Control of Valley Degree of Freedom. ACS Applied Materials & Interfaces, 2019, 11, 12675-12682.	8.0	52
28	Prediction of spin-dependent electronic structure in 3d-transition-metal doped antimonene. Applied Physics Letters, 2016, 109, .	3.3	49
29	Valley polarization, magnetic anisotropy and Dzyaloshinskii-Moriya interaction of two-dimensional graphene/Janus 2H-VSeX (XÂ= S, Te) heterostructures. Carbon, 2021, 174, 540-555.	10.3	47
30	Coreâ€“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
31	Electric Field Effects on Spin Splitting of Two-Dimensional van der Waals Arsenene/FeCl₂ Heterostructures. Journal of Physical Chemistry C, 2016, 120, 5613-5618.	3.1	46
32	Strain and interlayer coupling tailored magnetic properties and valley splitting in layered ferrovalley 2H-VSe2. Applied Surface Science, 2018, 458, 191-197.	6.1	46
33	Progress in organic molecular/ferromagnet spinterfaces: towards molecular spintronics. Journal of Materials Chemistry C, 2018, 6, 6619-6636.	5.5	40
34	Chiral Helimagnetism and Oneâ€Đimensional Magnetic Solitons in a Crâ€Ịntercalated Transition Metal Dichalcogenide. Advanced Materials, 2021, 33, e2101131.	21.0	40
35	Proximity effect induced spin filtering and gap opening in graphene by half-metallic monolayer Cr2C ferromagnet. Carbon, 2018, 132, 25-31.	10.3	39
36	Structure, magnetic and optical properties of polycrystalline Co-doped TiO2 films. Journal of Magnetism and Magnetic Materials, 2009, 321, 2472-2476.	2.3	38

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37	Superior Properties of Energetically Stable La_{2/3}Sr_{1/3}MnO₃/Tetragonal BiFeO₃ Multiferroic Superlattices. ACS Applied Materials & Interfaces, 2015, 7, 10612-10616.	8.0	38
38	The electronic structure and spinâ€“orbit-induced spin splitting in antimonene with vacancy defects. RSC Advances, 2016, 6, 66140-66146.	3.6	38
39	Strain-Tailored Valley Polarization and Magnetic Anisotropy in Two-Dimensional 2H-VS₂/Cr₂C Heterostructures. Journal of Physical Chemistry C, 2019, 123, 17440-17448.	3.1	38
40	Tunable valley and spin splitting in 2H-VSe₂/BiFeO₃(111) triferroic heterostructures. Nanoscale, 2019, 11, 10329-10338.	5.6	38
41	Origin of the butterfly-shaped magnetoresistance in reactive sputtered epitaxial Fe3O4 films. Journal of Applied Physics, 2009, 106, .	2.5	36
42	Electrical Control of Magnetic Behavior and Valley Polarization of Monolayer Antiferromagnetic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Mn</mml:mi><mml:mi mathvariant="normal">P</mml:mi><mml:mi>Se</mml:mi></mml:mrow><mml:mn>3</mml:mn></mml:msub></mml:math> on an Insulating Ferroelectric Substrate from First Principles. Physical Review Applied, 2019, 11, .	3.8	36
43	Microstructure, magnetic and optical properties of sputtered polycrystalline ZnO films with Fe addition. Applied Surface Science, 2010, 256, 1930-1935.	6.1	35
44	Structure, magnetic, and transport properties of epitaxial ZnFe2O4 films: An experimental and first-principles study. Journal of Applied Physics, 2014, 115, .	2.5	35
45	Inverse Magnetoresistance in Polymer Spin Valves. ACS Applied Materials & Interfaces, 2017, 9, 15644-15651.	8.0	35
46	Structure and magnetic properties of facing-target sputtered Coâ€“C granular films. Journal Physics D: Applied Physics, 2003, 36, 2393-2399.	2.8	34
47	Reliable Spin Valves of Conjugated Polymer Based on Mechanically Transferrable Top Electrodes. ACS Nano, 2018, 12, 12657-12664.	14.6	34
48	Defectâ€Engineered Dzyaloshinskiiâ€“Moriya Interaction and Electricâ€Fieldâ€Switchable Topological Spin Texture in SrRuO₃. Advanced Materials, 2021, 33, e2102525.	21.0	34
49	Tunable valley polarization, magnetic anisotropy and Dzyaloshinskiiâ€“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
50	Valley polarization and p-/n-type doping of monolayer WTe₂ on top of Fe₃O₄(111). Physical Chemistry Chemical Physics, 2016, 18, 15039-15045.	2.8	32
51	Tunable gap opening and spin polarization of two dimensional graphene/hafnene van der Waals heterostructures. Carbon, 2017, 120, 121-127.	10.3	32
52	Achieving effective control of the photocatalytic performance for CoFe2O4/MoS2 heterojunction via exerting external magnetic fields. Materials Letters, 2020, 260, 126979.	2.6	32
53	The influence of metal interlayers on the structural and optical properties of nano-crystalline TiO2 films. Applied Surface Science, 2012, 258, 4532-4537.	6.1	31
54	Fieldâ€Free Manipulation of Skyrmion Creation and Annihilation by Tunable Strain Engineering. Advanced Functional Materials, 2021, 31, 2008715.	14.9	31

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55	Spin-polarized transport of electrons from polycrystalline Fe3O4 to amorphous Si. Applied Physics Letters, 2007, 91, .	3.3	30
56	Significant Strainâ€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
57	2D Semiconducting Metalâ€“Organic Framework Thin Films for Organic Spin Valves. Angewandte Chemie, 2020, 132, 1134-1139.	2.0	30
58	Topological spin textures in a two-dimensional MnBi2(Se, Te)4 Janus material. Applied Physics Letters, 2021, 119, .	3.3	30
59	High-temperature ferromagnetism observed in facing-target reactive sputtered MnxTi1â^'xO2 films. Acta Materialia, 2008, 56, 3511-3515.	7.9	29
60	Tunable magnetic and electrical properties of polycrystalline and epitaxial NixFe3â^'xO4thin films prepared by reactive co-sputtering. Journal Physics D: Applied Physics, 2010, 43, 385001.	2.8	29
61	Microstructure, magnetic and electronic transport properties of polycrystalline Î³â€²-Fe4N films. Thin Solid Films, 2012, 520, 7035-7040.	1.8	29
62	Perpendicular Magnetic Anisotropy and High Spin Polarization in Tetragonal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Fe</mml:mi></mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="normal">N</mml:mi></mml:mrow><mml:mo>/</mml:mo><mml:msub><mml:mrow><mml:mi>BiFeO</mml:mi></mml:mrow><mml:mr Heterostructures. Physical Review Applied, 2016, 6, .	3.8	29
63	Large Spatial Spin Polarization at Benzene/La_{2/3}Sr_{1/3}MnO₃ Spinterface: Toward Organic Spintronic Devices. Journal of Physical Chemistry C, 2016, 120, 6156-6164.	3.1	28
64	Superior Electronic Structure in Two-Dimensional MnPSe 3 /MoS2 van der Waals Heterostructures. Scientific Reports, 2017, 7, 9504.	3.3	28
65	Progress in Fe3O4-based multiferroic heterostructures. Journal of Alloys and Compounds, 2018, 765, 1127-1138.	5.5	28
66	Tunable electronic structure and magnetic anisotropy of two dimensional van der Waals GeS/FeCl₂ multiferroic heterostructures. Journal of Materials Chemistry C, 2019, 7, 2049-2058.	5.5	28
67	Evolution of structure, magnetic and transport properties of sputtered films from Fe to Fe3O4. Journal Physics D: Applied Physics, 2006, 39, 5109-5115.	2.8	27
68	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
69	Anomalous Hall effect in Fe/Au multilayers. Physical Review B, 2016, 94, .	3.2	26
70	The contribution of distinct response characteristics of Fe atoms to switching of magnetic anisotropy in Fe4N/MgO heterostructures. Applied Physics Letters, 2018, 113, .	3.3	26
71	Electronic structure and magnetic properties of two-dimensional h-BN/Janus 2H-VSeX (XÂ=ÂS, Te) van der Waals heterostructures. Applied Surface Science, 2021, 537, 147898.	6.1	25
72	Electronic and optical properties of new multifunctional materials via half-substituted hematite: first principles calculations. RSC Advances, 2012, 2, 10708.	3.6	24

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73	Electric-field tunable perpendicular magnetic anisotropy in tetragonal Fe4N/BiFeO3 heterostructures. Applied Physics Letters, 2017, 111, 032404.	3.3	24
74	Large Magnetoresistance in Fe3O4/4,4â€²-Bipyridine/Fe3O4 Organic Magnetic Tunnel Junctions. Journal of Physical Chemistry C, 2018, 122, 3115-3122.	3.1	24
75	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
76	Electronic structure, magnetic anisotropy and Dzyaloshinskiiâ€“Moriya interaction in Janus Cr₂I₃X₃ (X = Br, Cl) bilayers. Physical Chemistry Chemical Physics, 2020, 22, 8647-8657.	2.8	24
77	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
78	Half-metallicity and spin-valley coupling in 5d transition metal substituted monolayer MnPSe₃. Journal of Materials Chemistry C, 2018, 6, 8092-8098.	5.5	23
79	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
80	Electronic and magnetic structure of Fe3O4/BiFeO3 multiferroic superlattices: First principles calculations. Journal of Applied Physics, 2012, 112, 063925.	2.5	22
81	A comparative study of transport properties in polycrystalline and epitaxial chromium nitride films. Journal of Applied Physics, 2013, 113, .	2.5	22
82	Anisotropic magnetoresistance across Verwey transition in charge ordered <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:r mathvariant="normal">O</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> epitaxial films. Physical Review B, 2017, 96, .	3.2	22
83	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
84	Resistive switching in reactive cosputtered MFe2O4 (M= Co, Ni) films. Applied Surface Science, 2012, 263, 678-681.	6.1	21
85	Anomalous Hall effect in polycrystalline Ni films. Solid State Communications, 2012, 152, 220-224.	1.9	21
86	Scaling of anomalous Hall effects in facing-target reactively sputtered Fe₄N films. Physical Chemistry Chemical Physics, 2015, 17, 15435-15441.	2.8	21
87	Spin Polarization Inversion at Benzene-Absorbed Fe4N Surface. Scientific Reports, 2015, 5, 10602.	3.3	21
88	Perpendicular Magnetic Anisotropy Preserved by Orbital Oscillation in Strained Tetragonal Fe₄N/BiFeO₃ Bilayers. ACS Applied Materials & Interfaces, 2017, 9, 15887-15892.	8.0	21
89	Homochirality in biomineral suprastructures induced by assembly of single-enantiomer amino acids from a nonracemic mixture. Nature Communications, 2019, 10, 2318.	12.8	21
90	Structure and RT ferromagnetism of Fe-doped AlN films. Applied Surface Science, 2007, 253, 5431-5435.	6.1	20

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91	Microstructure and optical properties of N-incorporated polycrystalline ZnO films. Journal of Alloys and Compounds, 2009, 478, 507-512.	5.5	20
92	Electrical transport properties and magnetoresistance of polycrystalline Fe3O4/p-Si heterostructures. Journal of Applied Physics, 2010, 107, .	2.5	20
93	The Interface between Gd and Monolayer MoS2: A First-Principles Study. Scientific Reports, 2014, 4, 7368.	3.3	20
94	Ferromagnetic resonance of facing-target sputtered epitaxial Î³â€²-Fe₄N films: the influence of thickness and substrates. Journal Physics D: Applied Physics, 2018, 51, 245001.	2.8	20
95	Spin polarization and magnetic properties at the C₆₀/Fe₄N(001) spinterface. Journal of Materials Chemistry C, 2019, 7, 8325-8334.	5.5	20
96	Large magnetoresistance and spin-polarized photocurrent in La_{2/3}Sr_{1/3}MnO₃(Co)/quaterthiophene/La_{2/3}Sr_{1/3}MnO₃ organic magnetic tunnel junctions. Journal of Materials Chemistry C, 2019, 7, 4079-4088.	5.5	20
97	Structure and magnetic properties of RF sputtered Feâ€“N films. Journal Physics D: Applied Physics, 2004, 37, 1429-1433.	2.8	19
98	Ferroelectricity Tailored Valley Splitting in Monolayer WTe₂/YMnO₃ Heterostructures: A Route toward Electrically Controlled Valleytronics. Advanced Electronic Materials, 2017, 3, 1700245.	5.1	19
99	Electric field controllable high-spin <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>SrRu</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> driven by a solid ionic junction. Physical Review B, 2020, 101, .	3.2	19
100	Berry Phase Engineering in SrRuO₃/SrIrO₃/SrTiO₃ Superlattices Induced by Band Structure Reconstruction. ACS Nano, 2021, 15, 5086-5095.	14.6	19
101	Orientational Alignment of Oxygen Vacancies: Electric-Field-Inducing Conductive Channels in TiO₂ Film to Boost Photocatalytic Conversion of CO₂ into CO. Nano Letters, 2021, 21, 5060-5067.	9.1	19
102	L10 phase transformation and magnetic behaviors of (Fe, FePt, FePtCu)â€“C nanocomposite films. Journal of Applied Physics, 2005, 97, 124303.	2.5	18
103	Scaling of the anomalous Hall current in Fe<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow		

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109	Prediction of spinâ€“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
110	Orbital Redistribution Enhanced Perpendicular Magnetic Anisotropy of CoFe₃N Nitrides by Adsorbing Organic Molecules. ACS Applied Materials & Interfaces, 2018, 10, 16674-16680.	8.0	17
111	Valley and spin splitting in monolayer TX ₂/antiferromagnetic MnO (Tâ€‰â€‰=â€‰â€‰Mo,) Tj ETQq1 1 0	2.8	17
112	Role of exchange splitting and ligand-field splitting in tuning the magnetic anisotropy of an individual iridium atom on <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ta</mml:mi><mml:msub><mml:mi mathvariant="normal">S</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> substrate. Physical Review B, 2021, 103, .	3.2	17
113	Spin dependent transport and magnetic properties in Fe4N/tris(8-hydroxyquinoline) aluminum/Co organic spin valves fabricated by facing-target sputtering. Thin Solid Films, 2015, 588, 26-33.	1.8	16
114	Spin polarization and magnetic characteristics at C6H6/Co2MnSi(001) spinterface. Journal of Chemical Physics, 2017, 147, 114702.	3.0	16
115	Tunable Valley and Spin Polarizations in BiXO₃/BiIrO₃ (X = Fe, Mn) Ferroelectric Superlattices. ACS Applied Materials & Interfaces, 2018, 10, 3822-3829.	8.0	16
116	Ferromagnetic, Ferroelectric, and Optical Modulated Multiple Resistance States in Multiferroic Tunnel Junctions. ACS Applied Materials & Interfaces, 2019, 11, 1057-1064.	8.0	16
117	Spin splitting and reemergence of charge compensation in monolayer WTe₂by 3d transition-metal adsorption. Physical Chemistry Chemical Physics, 2017, 19, 7721-7727.	2.8	15
118	Magnetic properties of the charge ordered Nd0.75Na0.25MnO3. Solid State Communications, 2004, 130, 563-566.	1.9	14
119	Structure and magnetic properties of N-doped L10-ordered FePtâ€“C nanocomposite films. Journal of Applied Physics, 2006, 99, 034315.	2.5	14
120	Structure, magnetic, and transport properties of sputtered Feâˆ•Ge multilayers. Journal of Applied Physics, 2007, 102, .	2.5	14
121	Electric Field Modulation on Special Interfacial Magnetic States in Tetragonal La_{2/3}Sr_{1/3}MnO₃/BiFeO₃ Heterostructures. Journal of Physical Chemistry C, 2016, 120, 15342-15348.	3.1	14
122	Biaxial strain effect induced electronic structure alternation and trimeron recombination in Fe3O4. Scientific Reports, 2017, 7, 43403.	3.3	14
123	Spin splitting and electric field modulated electron-hole pockets in antimonene nanoribbons. Npj Quantum Materials, 2017, 2, .	5.2	14
124	Efficient band structure modulations in two-dimensional MnPSe₃/CrSiTe₃ van der Waals heterostructures. Nanotechnology, 2018, 29, 214001.	2.6	14
125	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
126	Tunable electronic structure and magnetic anisotropy of two dimensional Mn2CFCl/MoSSe van der Waals heterostructures by electric field and biaxial strain. Applied Surface Science, 2021, 566, 150683.	6.1	14

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127	Facing-target sputtered Feâ€“C granular films: Structural and magnetic properties. Journal of Applied Physics, 2005, 97, 043903.	2.5	13
128	Current-perpendicular-to-plane transport properties of polycrystalline Fe3O4/Î±-Fe2O3 heterostructures. Applied Physics Letters, 2008, 93, .	3.3	13
129	Structure, optical, and magnetic properties of facing-target reactive sputtered Ti1âˆ’xFexO2âˆ’Î´ films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2009, 27, 1172-1177.	2.1	13
130	Interfacial Exchange Coupling Induced Anomalous Anisotropic Magnetoresistance in Epitaxial Î³â€²-Fe₄N/CoN Bilayers. ACS Applied Materials & Interfaces, 2015, 7, 3840-3845.	8.0	13
131	Prediction of a metalâ€“insulator transition and a two-dimensional electron gas in orthoferrite LaTiO₃/tetragonal BiFeO₃ heterostructures. Journal of Materials Chemistry C, 2015, 3, 11066-11075.	5.5	13
132	Strain and electric-field tunable valley states in 2D van der Waals MoTe₂/WTe₂heterostructures. Journal of Physics Condensed Matter, 2016, 28, 505003.	1.8	13
133	Spin-dependent electronic transport characteristics in Fe4N/BiFeO3/Fe4N perpendicular magnetic tunnel junctions. Journal of Applied Physics, 2018, 123, .	2.5	13
134	Surface Functionalization Tailored Electronic Structure and Magnetic Properties of Two-Dimensional CrC₂ Monolayers. Journal of Physical Chemistry C, 2020, 124, 3095-3106.	3.1	13
135	Tunneling magnetoresistance and light modulation in Fe4N(La2/3Sr1/3MnO3)/C60/Fe4N single molecule magnetic tunnel junctions. Journal of Materials Chemistry C, 2020, 8, 3137-3146.	5.5	13
136	Characterization of facing-target reactive sputtered polycrystalline Fe3O4 films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2006, 24, 390-395.	2.1	12
137	Enhanced Hall effect in FexGe1âˆ’x nanocomposite films. Journal of Applied Physics, 2008, 103, .	2.5	12
138	Experimental and first-principles study on the magnetic and transport properties of Ti-doped Fe3O4 epitaxial films. Journal of Applied Physics, 2011, 110, 083905.	2.5	12
139	The magnetism of Fe₄N/oxides (MgO, BaTiO₃, BiFeO₃) interfaces from first-principles calculations. RSC Advances, 2014, 4, 48848-48859.	3.6	12
140	Biaxial Strain and Electric Field Dependent Conductivity of Monolayer WTe₂ on Top of Fe₃O₄(111). Advanced Materials Interfaces, 2016, 3, 1600581.	3.7	12
141	Bending strain tailored exchange bias in epitaxial NiMn/ Î³ â€²-Fe4N bilayers. Applied Physics Letters, 2020, 117, .	3.3	12
142	Bending Strain-Tailored Magnetic and Electronic Transport Properties of Reactively Sputtered Î³â€²-Fe₄N/Muscovite Epitaxial Heterostructures toward Flexible Spintronics. ACS Applied Materials & Interfaces, 2020, 12, 27394-27404.	8.0	12
143	Atomic origin of spin-valve magnetoresistance at the SrRuO3 grain boundary. National Science Review, 2020, 7, 755-762.	9.5	12
144	Effect of surface roughness on the anomalous Hall effect in Fe thin films. Physical Review B, 2020, 101, .	3.2	12

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145	Truxone-Based Conductive Metalâ€“Organic Frameworks for the Oxygen Reductive Reaction. Journal of Physical Chemistry C, 2021, 125, 12690-12698.	3.1	12
146	Electrocatalytic performance of Mn-adsorbed g-C₃N₄: a first-principles study. Journal of Materials Chemistry A, 2021, 9, 26266-26276.	10.3	12
147	Strain-controlled interfacial magnetization and orbital splitting in La2/3Sr1/3MnO3/tetragonal BiFeO3 heterostructures. Journal of Applied Physics, 2016, 120, 165303.	2.5	11
148	Ferroelectric Metal in Tetragonal BiCoO3/BiFeO3 Bilayers and Its Electric Field Effect. Scientific Reports, 2016, 6, 20591.	3.3	11
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