Shi-shen Yan

List of Publications by Citations

146 papers	3,710 citations	32 h-index	56 g-index
155 ext. papers	4,388 ext. citations	5.8 avg, IF	5.55 L-index

#	Paper	IF	Citations
146	First-Principles Study of Ferromagnetism in Two-Dimensional Silicene with Hydrogenation. *Journal of Physical Chemistry C*, **2012**, 116, 4163-4166	3.8	228
145	Extra storage capacity in transition metal oxide lithium-ion batteries revealed by in situ magnetometry. *Nature Materials*, **2021**, 20, 76-83	27	197
144	High Reversibility of Lattice Oxygen Redox Quantified by Direct Bulk Probes of Both Anionic and Cationic Redox Reactions. *Joule*, **2019**, 3, 518-541	27.8	156
143	Ethynyl-functionalized stanene film: a promising candidate as large-gap quantum spin Hall insulator. *New Journal of Physics*, **2015**, 17, 083036	2.9	139
142	Unexpected Giant-Gap Quantum Spin Hall Insulator in Chemically Decorated Plumbene Monolayer. *Scientific Reports*, **2016**, 6, 20152	4.9	131
141	Phase transformation and lithiation effect on electronic structure of Li(x)FePO4: an in-depth study by soft X-ray and simulations. *Journal of the American Chemical Society*, **2012**, 134, 13708-15	16.4	121
140	Intrinsic Dirac half-metal and quantum anomalous Hall phase in a hexagonal metal-oxide lattice. *Physical Review B*, **2017**, 96,	3.3	112
139	Effect of Amidogen Functionalization on Quantum Spin Hall Effect in Bi/Sb(111) Films. *ACS Applied Materials & Interfaces*, **2017**, 9, 41443-41453	9.5	101
138	Two-dimensional arsenene oxide: A realistic large-gap quantum spin Hall insulator. *Applied Physics Letters*, **2017**, 110, 213101	3.4	100
137	First-principles study on ferromagnetism in Mg-doped SnO2. *Applied Physics Letters*, **2009**, 95, 232108	3.4	98
136	High-efficiency in situ resonant inelastic x-ray scattering (iRIXS) endstation at the Advanced Light Source. *Review of Scientific Instruments*, **2017**, 88, 033106	1.7	86
135	Ferromagnetism and magnetoresistance of Co□ZnO inhomogeneous magnetic semiconductors. *Applied Physics Letters*, **2004**, 84, 2376-2378	3.4	85
134	Large-gap quantum spin Hall state in functionalized dumbbell stanene. *Applied Physics Letters*, **2016**, 108, 073104	3.4	77
133	High TC ferromagnetism of Zn(1□)CoxO diluted magnetic semiconductors grown by oxygen plasma-assisted molecular beam epitaxy. *Applied Physics Letters*, **2007**, 90, 052504	3.4	76
132	Quantitative probe of the transition metal redox in battery electrodes through soft x-ray absorption spectroscopy. *Journal Physics D: Applied Physics*, **2016**, 49, 413003	3	74
131	Novel electronic and magnetic properties in N or B doped silicene nanoribbons. *Journal of Materials Chemistry C*, **2013**, 1, 2735	7.1	65
130	Role of Superexchange Interaction on Tuning of Ni/Li Disordering in Layered Li(NiMnCo)O. *Journal of Physical Chemistry Letters*, **2017**, 8, 5537-5542	6.4	62

129	Silicon-based chalcogenide: Unexpected quantum spin Hall insulator with sizable band gap. *Applied Physics Letters*, **2016**, 109, 182109	3.4	62
128	First-principles prediction of half-metallic ferromagnetism in Cu-doped ZnS. *Journal of Applied Physics*, **2010**, 107, 043913	2.5	60
127	Tunable Optical Mode Ferromagnetic Resonance in FeCoB/Ru/FeCoB Synthetic Antiferromagnetic Trilayers under Uniaxial Magnetic Anisotropy. *Advanced Functional Materials*, **2016**, 26, 3738-3744	15.6	60
126	Silicane as an Inert Substrate of Silicene: A Promising Candidate for FET. *Journal of Physical Chemistry C*, **2014**, 118, 25278-25283	3.8	55
125	Discovery of intrinsic quantum anomalous Hall effect in organic Mn-DCA lattice. *Applied Physics Letters*, **2017**, 110, 233107	3.4	52
124	Evidence for Half-Metallicity in n-type HgCr2Se4. *Physical Review Letters*, **2015**, 115, 087002	7.4	52
123	Room Temperature Quantum Spin Hall Insulator in Ethynyl-Derivative Functionalized Stanene Films. *Scientific Reports*, **2016**, 6, 18879	4.9	48
122	High-Performance Self-powered Photodetectors Based on ZnO/ZnS Core-Shell Nanorod Arrays. *Nanoscale Research Letters*, **2016**, 11, 420	5	43
121	Operando Magnetometry Probing the Charge Storage Mechanism of CoO Lithium-Ion Batteries. *Advanced Materials*, **2021**, 33, e2006629	24	39
120	Discovery of a novel spin-polarized nodal ring in a two-dimensional HK lattice. *Nanoscale*, **2018**, 10, 20748-20753	7.7	37
119	Nonvolatile Multistates Memories for High-Density Data Storage. *ACS Applied Materials & Interfaces*, **2020**, 12, 42449-42471	9.5	36
118	Fingerprint Oxygen Redox Reactions in Batteries through High-Efficiency Mapping of Resonant Inelastic X-ray Scattering. *Condensed Matter*, **2019**, 4, 5	1.8	36
117	Spin-dependent variable range hopping and magnetoresistance in Ti(1-x)Co(x)O(2) and Zn(1-x)Co(x)O magnetic semiconductor films. *Journal of Physics Condensed Matter*, **2006**, 18, 10469-80	1.8	35
116	Oxygen vacancy induced ferromagnetism in rutile TiO2□. *Physica Status Solidi - Rapid Research Letters*, **2009**, 3, 148-150	2.5	33
115	Self-powered solid-state photodetector based on TiO2 nanorod/spiro-MeOTAD heterojunction. *Applied Physics Letters*, **2013**, 103, 261109	3.4	32
114	High-Performance Self-Powered UV Detector Based on SnO-TiO Nanomace Arrays. *Nanoscale Research Letters*, **2018**, 13, 92	5	31
113	Tunable ferromagnetism by oxygen vacancies in Fe-doped In2O3 magnetic semiconductor. *Journal of Applied Physics*, **2009**, 106, 043909	2.5	31
112	Engineering optical mode ferromagnetic resonance in FeCoB films with ultrathin Ru insertion. *Scientific Reports*, **2016**, 6, 33349	4.9	30

111	Origin of large positive magnetoresistance in the hard-gap regime of epitaxial Co-doped ZnO ferromagnetic semiconductors. *Physical Review B*, **2009**, 79,	3.3	28
110	Reacquainting the Electrochemical Conversion Mechanism of FeS Sodium-Ion Batteries by Operando Magnetometry. *Journal of the American Chemical Society*, **2021**, 143, 12800-12808	16.4	28
109	Orientation-Dependent Stability and Quantum-Confinement Effects of Silicon Carbide Nanowires. *Journal of Physical Chemistry C*, **2009**, 113, 12731-12735	3.8	27
108	First-principles study on the electronic and magnetic properties of hydrogenated CdS nanosheets. *Journal of Applied Physics*, **2011**, 109, 094304	2.5	26
107	Functionalized Thallium Antimony Films as Excellent Candidates for Large-Gap Quantum Spin Hall Insulator. *Scientific Reports*, **2016**, 6, 21351	4.9	25
106	Interfacial magnetic coupling in ultrathin all-manganite La0.7Sr0.3MnO3-TbMnO3 superlattices. *Applied Physics Letters*, **2014**, 104, 152404	3.4	24
105	Deciphering the Oxygen Absorption Pre-edge: A Caveat on its Application for Probing Oxygen Redox Reactions in Batteries. *Energy and Environmental Materials*, **2021**, 4, 246-254	13	24
104	First-principles prediction on bismuthylene monolayer as a promising quantum spin Hall insulator. *Nanoscale*, **2017**, 9, 8207-8212	7.7	23
103	Origin of ferromagnetism of Co-doped SnO2 from first-principles calculations. *Journal of Applied Physics*, **2009**, 106, 063709	2.5	23
102	Spin-polarization of VGaON center in GaN and its application in spin qubit. *Applied Physics Letters*, **2012**, 100, 192401	3.4	22
101	Reversible control of the magnetization of spinel ferrites based electrodes by lithium-ion migration. *Scientific Reports*, **2017**, 7, 12554	4.9	21
100	Adsorption and interaction of CO2 on rutile TiO2(110) surfaces: a combined UHV-FTIRS and theoretical simulation study. *Physical Chemistry Chemical Physics*, **2015**, 17, 23994-4000	3.6	21
99	Electrical field enhanced interfacial Dzyaloshinskii-Moriya interaction in MgO/Fe/Pt system. *Applied Physics Letters*, **2018**, 113, 122406	3.4	21
98	Tunability of the Quantum Spin Hall Effect in Bi(110) Films: Effects of Electric Field and Strain Engineering. *ACS Applied Materials & Interfaces*, **2017**, 9, 21515-21523	9.5	20
97	Electrical control of memristance and magnetoresistance in oxide magnetic tunnel junctions. *Nanoscale*, **2015**, 7, 6334-9	7.7	20
96	Stress-Enhanced Interlayer Exchange Coupling and Optical-Mode FMR Frequency in Self-Bias FeCoB/Ru/FeCoB Trilayers. *ACS Applied Materials & Interfaces*, **2018**, 10, 8853-8859	9.5	20
95	Study of flux pinning mechanism under hydrostatic pressure in optimally doped (Ba,K)Fe2As2 single crystals. *Scientific Reports*, **2016**, 6, 23044	4.9	20
94	Structures and magnetic properties of (Fe, Li)-codoped NiO thin films. *Applied Physics Letters*, **2008**, 92, 052508	3.4	19

93	Reversible control of magnetization of Fe3O4 by a solid-state film lithium battery. *Applied Physics Letters*, **2017**, 110, 062404	3.4	18
92	Impact of interfacial effects on ferroelectric resistance switching of Au/BiFeO3/Nb:SrTiO3(100) Schottky junctions. *RSC Advances*, **2017**, 7, 22715-22721	3.7	18
91	Emergence of ferrimagnetic half-metallicity in two-dimensional MXene Mo3N2F2. *Applied Physics Letters*, **2017**, 111, 202405	3.4	18
90	Spin memristive magnetic tunnel junctions with CoO-ZnO nano composite barrier. *Scientific Reports* , **2014**, 4, 3835	4.9	18
89	Giant positive magnetoresistance in Co-doped ZnO nanocluster films. *Applied Physics Letters*, **2008**, 92, 192109	3.4	18
88	Large rectification magnetoresistance in nonmagnetic Al/Ge/Al heterojunctions. *Scientific Reports*, **2015**, 5, 14249	4.9	17
87	Controllable field-free switching of perpendicular magnetization through bulk spin-orbit torque in symmetry-broken ferromagnetic films. *Nature Communications*, **2021**, 12, 2473	17.4	17
86	Magnetic Anisotropy Controlled by Distinct Interfacial Lattice Distortions at the LaSr CoO/LaSrMnO Interfaces. *ACS Applied Materials & Interfaces*, **2018**, 10, 40951-40957	9.5	16
85	Erasable and recreatable two-dimensional electron gas at the heterointerface of SrTiO and a water-dissolvable overlayer. *Science Advances*, **2019**, 5, eaaw7286	14.3	15
84	Glide Mirror Plane Protected Nodal-Loop in an Anisotropic Half-Metallic MnNF Monolayer. *Journal of Physical Chemistry Letters*, **2020**, 11, 485-491	6.4	15
83	Prediction of tunable quantum spin Hall effect in methyl-functionalized tin film. *Journal of Materials Chemistry C*, **2017**, 5, 2656-2661	7.1	14
82	Magnetism of amorphous Ge1Mnx magnetic semiconductor films. *Journal of Applied Physics*, **2008**, 104, 013905	2.5	14
81	Giant gap quantum spin Hall effect and valley-polarized quantum anomalous Hall effect in cyanided bismuth bilayers. *New Journal of Physics*, **2016**, 18, 083002	2.9	14
80	Unconventional band inversion and intrinsic quantum spin Hall effect in functionalized group-V binary films. *Scientific Reports*, **2017**, 7, 6126	4.9	13
79	Two-dimensional GaGeTe film: a promising graphene-like material with tunable band structure and high carrier mobility. *Journal of Materials Chemistry C*, **2017**, 5, 8847-8853	7.1	13
78	Giant magnetoresistance: history, development and beyond. *Science China: Physics, Mechanics and Astronomy*, **2013**, 56, 2-14	3.6	13
77	Revealing the multiple cathodic and anodic involved charge storage mechanism in an FeSe2 cathode for aluminium-ion batteries by in situ magnetometry. *Energy and Environmental Science*, **2022**, 15, 311-319	35.4	13
76	Rectified Tunnel Magnetoresistance Device With High On/Off Ratio for In-Memory Computing. *IEEE Electron Device Letters*, **2020**, 41, 928-931	4.4	13

75	Large Magnetoresistance and 15 Boolean Logic Functions Based on a ZnCoO Film and Diode Combined Device. *Advanced Electronic Materials*, **2019**, 5, 1800812	6.4	12
74	Stanene cyanide: a novel candidate of Quantum Spin Hall insulator at high temperature. *Scientific Reports*, **2015**, 5, 18604	4.9	12
73	Robust half-metallicity in transition metal tribromide nanowires. *Nanoscale*, **2018**, 10, 15545-15552	7.7	11
72	Scenarios of polaron-involved molecular adsorption on reduced TiO(110) surfaces. *Scientific Reports* , **2017**, 7, 6148	4.9	11
71	Enhanced tunnel magnetoresistance in fully epitaxial ZnO:Co-based magnetic tunnel junctions with Mg-doped ZnO barrier. *Applied Physics Letters*, **2012**, 100, 132406	3.4	11
70	Interfacial properties in energy storage systems studied by soft x-ray absorption spectroscopy and resonant inelastic x-ray scattering. *Journal of Chemical Physics*, **2020**, 152, 140901	3.9	10
69	Inversed tunneling magnetoresistance in hybrid FePt/Fe3O4 core/shell nanoparticles systems. *Journal of Applied Physics*, **2010**, 108, 103905	2.5	10
68	Purely Electrical Controllable Complete Spin Logic in a Single Magnetic Heterojunction. *Advanced Functional Materials*,2105359	15.6	10
67	Oxygen vacancies controlled multiple magnetic phases in epitaxial single crystal Co0.5(Mg0.55Zn0.45)0.5O(1-v) thin films. *Scientific Reports*, **2016**, 6, 24188	4.9	10
66	Ten States of Nonvolatile Memory through Engineering Ferromagnetic Remanent Magnetization. *Advanced Functional Materials*, **2019**, 29, 1806460	15.6	10
65	Reversible control of the magnetization of Fe3O4 via lithium ions. *RSC Advances*, **2017**, 7, 2644-2649	3.7	9
64	High-frequency electromagnetic properties of compositionally graded FeCoB-SiO2 granular films deposited on flexible substrates. *Journal of Applied Physics*, **2012**, 111, 113909	2.5	9
63	Terahertz spin-transfer torque oscillator based on a synthetic antiferromagnet. *Journal of Magnetism and Magnetic Materials*, **2020**, 497, 166070	2.8	9
62	Electrical control of exchange bias via oxygen migration across CoO-ZnO nanocomposite barrier. *Applied Physics Letters*, **2016**, 109, 252406	3.4	9
61	Li-ionic control of magnetism through spin capacitance and conversion. *Matter*, **2021**,	12.7	9
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57	Electrical Control of Spin-Mixing Conductance in a Y3Fe5O12/Platinum Bilayer. *Physical Review Applied*, **2019**, 11,	4.3	7
56	First-principles characterization of an AlSiVC center in cubic silicon carbide. *Journal of Applied Physics*, **2011**, 110, 033711	2.5	7
55	Tunable rectification and giant positive magnetoresistance in Ge1−xMnx/Ge epitaxial heterojunction diodes. *Journal of Applied Physics*, **2010**, 107, 024514	2.5	7
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53	Nitric Oxide Reaction Pathways on Rutile TiO2(110): The Influence of Surface Defects and Reconstructions. *Journal of Physical Chemistry C*, **2018**, 122, 23441-23450	3.8	7
52	Prediction of topological crystalline insulators and topological phase transitions in two-dimensional PbTe films. *Physical Chemistry Chemical Physics*, **2017**, 19, 29647-29652	3.6	6
51	Perpendicular magnetic anisotropy in La1−xSrxCoO2.5+δ/La2/3Sr1/3MnO3/La1−xSrxCoO2.5+δ trilayers (x=0.05–0.5). *Physical Review B*, **2019**, 100,	3.3	6
50	Manipulation of half-metallicity and ferromagnetism in N-doped CdS nanowire. *Journal of Nanoparticle Research*, **2013**, 15, 1	2.3	6
49	Magnetic phase diagrams of the trilayers with the noncollinear coupling in the form of the proximity magnetism model. *Journal of Applied Physics*, **2000**, 88, 983-987	2.5	6
48	Electrical Control of Perpendicular Magnetic Anisotropy and Spin-Orbit Torque-Induced Magnetization Switching. *Advanced Electronic Materials*, **2020**, 6, 1900782	6.4	6
47	Spin–orbit torque controllable complete spin logic in a single magnetic heterojunction. *Applied Physics Letters*, **2021**, 118, 152403	3.4	6
46	Growth-Controlled Engineering of Magnetic Exchange Interactions in Single Crystalline GaCoZnO1-v Epitaxial Films with High Co Concentration. *Chemistry of Materials*, **2017**, 29, 2717-2723	9.6	5
45	Reversible electrical-field control of magnetization and anomalous Hall effect in Co/PMN-PT hybrid heterostructures. *Applied Physics Letters*, **2018**, 112, 152904	3.4	5
44	UHV-FTIRS studies on molecular competitive adsorption: 12CO, 13CO and CO2 on reduced TiO2(110) surfaces. *Physical Chemistry Chemical Physics*, **2014**, 16, 23711-5	3.6	5
43	Decoupled scenario between the conductive carriers and the ferromagnetism in epitaxial Zn0.85−xMgxCo0.15O thin films. *Applied Physics Letters*, **2014**, 105, 072404	3.4	5
42	Zeeman Splitting-Induced Positive Magnetoresistance in Co-Doped ZnO and Co-Doped Cu $_{2}$O Ferromagnetic Nanoparticles. *IEEE Transactions on Magnetics*, **2008**, 44, 2712-2714	2	5
41	Magnetization precession by short-wavelength magnon excitations and spin-transfer torque. *Physical Review B*, **2018**, 97,	3.3	4
40	Distinguishing Interface Magnetoresistance and Bulk Magnetoresistance through Rectification of Schottky Heterojunctions. *ACS Applied Materials & Interfaces*, **2018**, 10, 24905-24909	9.5	4

39	Formation and evolution of orientation-specific CO chains on nonpolar ZnO(10 10) surfaces. *Scientific Reports*, **2017**, 7, 43442	4.9	4
38	Complex magnetic phase diagram with multistep spin-flop transitions in La0.25Pr0.75Co2P2. *Physical Review B*, **2017**, 95,	3.3	3
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36	Magnetic properties of rutile TiO2-1/6 from first-principles calculations. *Physica Status Solidi - Rapid Research Letters*, **2010**, 4, 236-238	2.5	3
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34	Robust ferromagnetism of single crystalline CoxZn1□xO (0.3 □x □0.45) epitaxial films with high Co concentration. *Applied Physics Letters*, **2016**, 109, 052404	3.4	3
33	Programmable Spin-Orbit Torque Multistate Memory and Spin Logic Cell.. *ACS Nano*, **2022**,	16.7	3
32	Enhancing s, p□ exchange interactions at room temperature by carrier doping in single crystalline Co0.4Zn0.6O epitaxial films. *Applied Physics Letters*, **2017**, 110, 092402	3.4	2
31	Discovery of Two-Dimensional Quantum Spin Hall Effect in Triangular Transition-Metal Carbides. *Chinese Physics Letters*, **2018**, 35, 087303	1.8	2
30	ENHANCEMENT OF ENERGY PRODUCT WITH INSERTION OF Ti BETWEEN EXCHANGE COUPLED Sm□o AND Fe LAYERS. *International Journal of Modern Physics B*, **2011**, 25, 2957-2963	1.1	2
29	Ferromagnetic Resonance in Co□r/Pd Multilayers. *Physica Status Solidi A*, **1997**, 161, 507-513		2
28	Deciphering the Oxygen Absorption Pre-Edge: Universal Map of Transition Metal Redox Potentials in Batteries		2
27	Temperature-Controlled CO Adsorption Configurations on (2 □1)NiO/Ni(110) Surfaces. *Journal of Physical Chemistry C*, **2019**, 123, 6037-6043	3.8	2
26	Zero-field magnon□hoton coupling in antiferromagnet CrCl3. *Applied Physics Letters*, **2021**, 119, 102402	3.4	2
25	Interference induced microwave transmission in the YIG-microstrip cavity system. *Journal of Magnetism and Magnetic Materials*, **2021**, 540, 168457	2.8	2
24	The predicaments and expectations in development of magnetic semiconductors. *Journal of Semiconductors*, **2019**, 40, 081501	2.3	1
23	Amorphous nonstoichiometric oxides with tunable room-temperature ferromagnetism and electrical transport. *Science Bulletin*, **2020**, 65, 1718-1725	10.6	1
22	[(FeCoB/Ru/FeCoB)/ZnO]n superlattice multilayer: A real optical mode ferromagnetic resonance thick-film. *Applied Physics Letters*, **2020**, 116, 152403	3.4	1

21	Half-Metallic Properties Induced by Fluorine in Aluminum Nitride Nanosheet. *Journal of the Physical Society of Japan*, **2012**, 81, 044705	1.5	1
20	Magneto-optic properties in multilayers Fe□i/Cr and Co□Nb/Pd. *Physica Status Solidi A*, **1995**, 149, 733-739		1
19	Influence of seed layer on the magnetoresistance properties in IrMn-based magnetic tunnel junctions. *Journal of Magnetism and Magnetic Materials*, **2021**, 546, 168674	2.8	1
18	Tunable interfacial Dzyaloshinskii-Moriya interaction in symmetrical Au/[Fe/Au] multilayers. *Nanoscale*, **2021**, 13, 2665-2672	7.7	1
17	Ferroelectric gate control of Rashba□Dresselhaus spin□rbit coupling in ferromagnetic semiconductor (Zn, Co)O. *Applied Physics Letters*, **2021**, 119, 012403	3.4	1
16	Van der Waals Epitaxial Deposition of CsPbBr3 Films for Flexible Optoelectronic Applications. *ACS Applied Electronic Materials*, **2022**, 4, 1351-1358	4	1
15	High-temperature ferromagnetic metallic phase in LaMnO3/Sr3Al2O6 heterostructure. *Journal of Materials Science and Technology*, **2022**, 119, 69-74	9.1	1
14	Synergistic coupling of NiFeZn-OH nanosheet network arrays on a hierarchical porous NiZn/Ni heterostructure for highly efficient water splitting. *Science China Materials*, **2022**, 65, 1207-1216	7.1	1
13	Flexible Mott Synaptic Transistor on Polyimide Substrate for Physical Neural Networks. *Advanced Electronic Materials*,2200078	6.4	1
12	Controllable Manipulation of the Surface Superstructures and Stoichiometry of Single-Crystal CoO(001). *Crystal Growth and Design*, **2020**, 20, 2781-2786	3.5	0
11	Structure, band gap, and Mn-related mid-gap states in epitaxial single crystal (Zn1□Mgx)1□MnyO thin films. *Journal of Applied Physics*, **2013**, 113, 173701	2.5	0
10	Intensity distribution, evolution, and dispersion of discrete spin wave modes in nanoscale spin-torque oscillator. *Journal of Applied Physics*, **2021**, 129, 243903	2.5	0
9	Bias-field-free high frequency microwave emission of spin-transfer nano-oscillator with magnetizations all in-plane. *Applied Physics Letters*, **2021**, 118, 012405	3.4	0
8	Memristive switching by bulk spin□rbit torque in symmetry-broken ferromagnetic films. *Applied Physics Letters*, **2022**, 120, 192403	3.4	0
7	High Density of End-Oxygens Induced by NO Adsorption on (2 □1)Ni□/Ni(110) Surfaces. *Journal of Physical Chemistry C*, **2019**, 123, 21588-21592	3.8	
6	Magnetoresistance: Large Magnetoresistance and 15 Boolean Logic Functions Based on a ZnCoO Film and Diode Combined Device (Adv. Electron. Mater. 3/2019). *Advanced Electronic Materials*, **2019**, 5, 1970016	6.4	
5	Disorder-enhanced spin polarization of the Zn1□CoxO1□ concentrated magnetic semiconductor. *RSC Advances*, **2016**, 6, 8043-8047	3.7	
4	Electric field tunable high-frequency performance in high-resistivity Fe0.5Co0.5-MgO/lead zinc niobate-lead titanate nanogranular film multiferroic heterostructures. *Thin Solid Films*, **2019**, 686, 137425	2.2	

3	Response to Comment on Inversed tunneling magnetoresistance in hybrid FePt/Fe3O4 core/shell nanoparticles systems[J. Appl. Phys. 109, 086101 (2011)]. *Journal of Applied Physics*, **2011**, 109, 086102	2.5
2	Spin-transfer torque oscillator in magnetic tunneling junction with short-wavelength magnon excitation. *AIP Advances*, **2018**, 8, 055330	1.5
1	Janus VXY monolayers with tunable large Berry curvature. *Journal of Semiconductors*, **2022**, 43, 042501	2.3