Wei Ren

List of Publications by Year
in descending order

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378	9,938	47006	60623
papers	citations	47	81
		h-index	g-index

383	383	383	12218
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nd3+-sensitized upconversion nanoparticle coated with antimony shell for bioimaging and photothermal therapy inÂvitro using single laser irradiation. Journal of Rare Earths, 2022, 40, 862-869.	4.8	14
2	A comprehensive first-principle study of borophene-based nano gas sensor with gold electrodes. Frontiers of Physics, 2022, 17, 1.	5.0	7
3	Achieving Large Switchable Polarization and Enhanced Piezoelectric Response in BiFeO₃â€PbTiO₃ Solid Solution Ceramics. Advanced Electronic Materials, 2022, 8, 2100883.	5.1	12
4	Electronic states of gallium oxide epitaxial thin films and related atomic arrangement. Applied Surface Science, 2022, 578, 151943.	6.1	4
5	Low field control of spin switching and continuous magnetic transition in an ErFeO₃ single crystal. Physical Chemistry Chemical Physics, 2022, 24, 735-742.	2.8	10
6	Emerging spinâ€“phonon coupling through cross-talk of two magnetic sublattices. Nature Communications, 2022, 13, 443.	12.8	20
7	Enhanced H2S sensing performance of BiFeO3 based MEMS gas sensor with corona poling. Sensors and Actuators B: Chemical, 2022, 358, 131477.	7.8	13
8	High energy storage capacity, heterogeneous domain structure and stabilization of intermediate phase in PbZrO₃-based antiferroelectric single crystals. Journal of Materials Chemistry C, 2022, 10, 6762-6769.	5.5	3
9	In-plane magnetization and electronic structures in BiFeO3/graphene superlattice. Applied Physics Letters, 2022, 120, .	3.3	3
10	Strain-Induced Magnetoelectric Coupling in Fe₃O₄/BaTiO₃ Nanopillar Composites. ACS Applied Materials & Interfaces, 2022, 14, 13925-13931.	8.0	10
11	Infrared photodetector based on 2D monoclinic gold phosphide nanosheets yielded from one-step chemical vapor transport deposition. Applied Physics Letters, 2022, 120, 131104.	3.3	1
12	Ordered and disordered two-dimensional tellurium-selenium binary compounds from swarm intelligence and first principles. Materials Today Communications, 2022, 31, 103409.	1.9	0
13	Thermal control magnetic switching dominated by spin reorientation transition in Mn-doped PrFeO3 single crystals. Frontiers of Physics, 2022, 17, 1.	5.0	3
14	First-Principles Prediction of Superconductivity in High-Buckled Two-Dimensional Tin. ACS Applied Electronic Materials, 2022, 4, 2062-2069.	4.3	4
15	Enhanced photogalvanic effect in a 2D ferroelectric ZrI2 by interlayer sliding. Physica E: Low-Dimensional Systems and Nanostructures, 2022, 142, 115297.	2.7	8
16	Accurate Band Offset Prediction of Sc₂O₃/GaN and Î¸-Al₂O₃/GaN Heterojunctions Using a Dielectric-Dependent Hybrid Functional. ACS Applied Electronic Materials, 2022, 4, 2747-2752.	4.3	2
17	Ultralow-Temperature NO_x Reduction over SmMn₂O₅ Mullite Catalysts Via Modulating the Superficial Dual-Functional Active Sites. ACS Catalysis, 2022, 12, 7622-7632.	11.2	39
18	Low-Temperature Combustion of Toluene over Cu-Doped SmMn₂O₅ Mullite Catalysts via Creating Highly Active Cu²⁺â€“Oâ€“Mn⁴⁺ Sites. Environmental Science & Technology, 2022, 56, 10433-10441.	10.0	40

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19	Intrinsic multiferroic MnOF monolayer with room-temperature ferromagnetism. Materials Today Physics, 2022, 27, 100775.	6.0	6
20	Robust magnetic-field effect on spin-reorientation in Eu3+-modified TmFeO3 single crystal. Journal of Alloys and Compounds, 2022, 922, 166241.	5.5	0
21	The CdTiO₃/BaTiO₃ superlattice interface from first principles. Nanoscale, 2021, 13, 8506-8513.	5.6	3
22	Disorder and Itinerant Magnetism in Full Heusler Pd2TiIn. Chinese Physics Letters, 2021, 38, 017102.	3.3	1
23	A two-dimensional ferroelectric ferromagnetic half semiconductor in a VOF monolayer. Journal of Materials Chemistry C, 2021, 9, 9130-9136.	5.5	20
24	Influence of coreâ€“shell structured conductive fillers on the electromechanical properties of ferroelectric nanocomposites. Journal of Materials Science, 2021, 56, 9157-9170.	3.7	6
25	Structural and magnetic properties of two-dimensional layered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>BiFe</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> from first principles. Physical Review B, 2021, 103, .	3.2	12
26	Ferroic properties and piezoelectric response of Mg2XN3 (X = V, Cr). Applied Physics Letters, 2021, 118, .	3.3	4
27	Tunable Magnetism and Insulatorâ€“Metal Transition in Bilayer Perovskites. Journal of Physical Chemistry C, 2021, 125, 6157-6162.	3.1	6
28	Evolution of magnetic order in multiferroic Pb(Fe 2/3 W 1/3)O 3 â€“BiFeO 3 solid solution. Journal of the American Ceramic Society, 2021, 104, 4585-4593.	3.8	0
29	Ultrastrong magnonâ€“magnon coupling dominated by antiresonant interactions. Nature Communications, 2021, 12, 3115.	12.8	39
30	Achieving a high dielectric tunability in strain-engineered tetragonal K0.5Na0.5NbO3 films. Npj Computational Materials, 2021, 7, .	8.7	19
31	Doping tuned spin reorientation and spin switching in praseodymiumâ€“samarium orthoferrite single crystals. Journal of Physics Condensed Matter, 2021, 33, 275803.	1.8	4
32	Mechanisms of Molecular Ferroelectrics Made Simple. Journal of Physical Chemistry C, 2021, 125, 12461-12467.	3.1	3
33	Bipolar Lightâ€Addressable Potentiometric Sensor Based on Fullerene Photosensitive Layer. Advanced Materials Technologies, 2021, 6, 2001221.	5.8	4
34	In-plane Schottky-barrier field-effect transistors with a 4-nm channel based on 1T/2H MoTe2 and WTe2. AIP Advances, 2021, 11, 065316.	1.3	2
35	Field tunable spin switching in perovskite YbFeO3 single crystal. Materials Today Communications, 2021, 27, 102438.	1.9	8
36	Optimizing the Properties of La0.8Sr0.2CrO3 Thin Films through Post-Annealing for High-Temperature Sensing. Nanomaterials, 2021, 11, 1802.	4.1	5

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37	Two-dimensional charge density waves in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ta</mml:mi><mml:msub><mml:mi>X</mml:mi><mml:mn>(<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 742 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow	3.2	11
38	Physical Review B, 2021, 104, . Physics-Based Feature Makes Machine Learning Cognizing Crystal Properties Simple. Journal of Physical Chemistry Letters, 2021, 12, 8521-8527.	4.6	3
39	Volume-matched ferroelectric and piezoelectric ZnO/MgO superlattice. Journal of Alloys and Compounds, 2021, 876, 160167.	5.5	7
40	Intrinsic ferromagnetism with high Curie temperature and strong anisotropy in a ferroelastic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="normal">V</mml:mi><mml:mi>X</mml:mi></mml:math> monolayer <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	17
41	Physical Review B, 2021, 104, . Magnetoelectric phase diagram and magnetic field-induced reversal of electric polarization in Ba0.5Sr1.5Mg1.6Co0.4Fe12O22 single crystal. Journal of Alloys and Compounds, 2021, 886, 161266.	5.5	3
42	A high-temperature quantum anomalous Hall effect in electride gadolinium monohalides. Journal of Materials Chemistry C, 2021, 9, 9539-9544.	5.5	7
43	Predicting the structural, electronic and magnetic properties of few atomic-layer polar perovskite. Physical Chemistry Chemical Physics, 2021, 23, 5578-5582.	2.8	8
44	Difference in magnetic anisotropy of the ferromagnetic monolayers <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">VI</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CrI</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:	3.2	23
45	Physical Review B, 2021, 103, . Tunable vertical ferroelectricity and domain walls by interlayer sliding in Î²-ZrI2. Npj Computational Materials, 2021, 7, .	8.7	14
46	Predicting intrinsic antiferromagnetic and ferroelastic MnF₄ monolayer with controllable magnetization. Journal of Materials Chemistry C, 2021, 9, 17152-17157.	5.5	9
47	Quantum anomalous Hall effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Mn</mml:mi><mml:msub><mml:mi>Bi</mml:mi><mml:mi><mm van der Waals heterostructures. Physical Review Materials, 2021, 5, .	2.4	9
48	Magnetism-induced topological transition in EuAs3. Nature Communications, 2021, 12, 6970.	12.8	17
49	Highly efficient catalytic soot combustion performance of hierarchically meso-macroporous Co3O4/CeO2 nanosheet monolithic catalysts. Catalysis Today, 2020, 351, 83-93.	4.4	33
50	Emergence of Type-I and Type-II Dirac line nodes in penta-octa-graphene. Carbon, 2020, 158, 210-215.	10.3	18
51	Significantly enhanced electrical properties in CaBi2Nb2O9-based high-temperature piezoelectric ceramics. Applied Physics Letters, 2020, 117, .	3.3	32
52	Competing magnetic orders in quantum critical <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>Sr</mml:mi></mml:mrow><mml:mn>3</mml:mn> <mml:mathvariant="normal">O</mml:mi></mml:mrow><mml:mn>7</mml:mn></mml:msub></mml:math>. Physical Review B, 2020, 102, .	3.2	5
53	Huge Piezoelectric Response of LaN-based Superlattices. ACS Applied Materials & Interfaces, 2020, 12, 49805-49811.	8.0	12
54	Development of a space cold atom clock. National Science Review, 2020, 7, 1828-1836.	9.5	12

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55	Valley current splitter in minimally twisted bilayer graphene. Physical Review B, 2020, 102, .	3.2	14
56	Spin reorientation transition and spin dynamics study of perovskite orthoferrite TmFeO₃ detected by electron paramagnetic resonance. Physical Chemistry Chemical Physics, 2020, 22, 21403-21411.	2.8	9
57	Phase transition enhanced superior elasticity in freestanding single-crystalline multiferroic BiFeO ₃ membranes. Science Advances, 2020, 6, .	10.3	73
58	Coexistence of relaxor behavior and ferromagnetic order in multiferroic Pb(Fe_{0.5}Nb_{0.5})O₃â€“BiFeO₃ solid solution. Journal of Materials Chemistry C, 2020, 8, 13306-13318.	5.5	5
59	Magnetoelectric Coupling in Multiferroic Bilayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>VS</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></ Physical Review Letters, 2020, 125, 247601.	7.8	110
60	First-principles prediction of a room-temperature ferromagnetic and ferroelastic 2D multiferroic MnNX (X = F, Cl, Br, and I). Nanoscale, 2020, 12, 24237-24243.	5.6	19
61	Metallic network of topological domain walls. Physical Review B, 2020, 101, .	3.2	16
62	Growth and characterization of ternary BiScO₃â€“Pb(Cd_{1/3}Nb_{2/3})O₃â€“PbTiO₃ ferroelectric single crystals with high Curie temperature. CrystEngComm, 2020, 22, 4544-4551.	2.6	4
63	Kinetic analysis of morphologies and crystal planes of nanostructured CeO2 catalysts on soot oxidation. Chemical Engineering Science, 2020, 226, 115891.	3.8	24
64	Mesoscopic electronic transport in twisted bilayer graphene. Physical Review B, 2020, 101, .	3.2	5
65	Manipulation of the Rashba effect in layered tellurides MTe (M = Ge, Sn, Pb). Journal of Materials Chemistry C, 2020, 8, 5143-5149.	5.5	21
66	Effects of antiferroelectric substitution on the structure and ferroelectric properties of a complex perovskite solid solution. Journal of Materials Chemistry C, 2020, 8, 5795-5806.	5.5	11
67	Ultrahigh-temperature piezoelectric polycrystalline ceramics: dramatically enhanced ferroelectricity, piezoelectricity and electrical resistivity in Ca_{1â^'3x}Bi_{2+3x}Nb_{2â^'x}Mn_xO₉. Materials Research Letters, 2020, 8, 165-172.	8.7	25
68	Manipulation of valley pseudospin in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WSe</mml:mi><mml:mn>2</mml:mn></mml:msub><mm heterostructures by the magnetic proximity effect. Physical Review B, 2020, 101, .	3.2	58
69	Significant ion conduction in Cu acceptor-substituted bismuth titanate polycrystalline ceramics. Journal of Materials Science, 2020, 55, 5715-5729.	3.7	7
70	Substrate-modulated ferromagnetism of two-dimensional Fe3GeTe2. Applied Physics Letters, 2020, 116, .	3.3	27
71	Structural and electronic properties of two-dimensional freestanding <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>BaTi</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mo>/</mml:mo><mml:mi>SrTi</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> heterostructures. Physical Review B, 2020, 101, .	3.2	18
72	Meso- to nano-scopic domain structures in high Curie-temperature piezoelectric BiScO₃â€“PbTiO₃ single crystals of complex perovskite structure. Journal of Materials Chemistry C, 2020, 8, 7234-7243.	5.5	7

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73	Phaseâ€Controlled Synthesis of Monolayer W 1â^' x Re x S 2 Alloy with Improved Photoresponse Performance. Small, 2020, 16, 2000852.	10.0	18
74	Persistent Spin-texture and Ferroelectric Polarization in 2D Hybrid Perovskite Benzylammonium Lead-halide. Journal of Physical Chemistry Letters, 2020, 11, 5177-5183.	4.6	34
75	Electrides: a review. Journal of Materials Chemistry C, 2020, 8, 10551-10567.	5.5	73
76	Interplay of local moment and itinerant magnetism in cobalt-based Heusler ferromagnets: <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml: and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:m. Physical Review B, 2020, 101, .	3.2	17
77	Observation of Ultrastrong Magnon-Magnon Coupling in YFeO3 Using Terahertz Magnetospectroscopy. , 2020, , .		1
78	Polar domain structural evolution under electric field and temperature in the (Bi_{0.5}Na_{0.5})TiO₃â€0.06BaTiO₃ piezoceramics. Journal of the American Ceramic Society, 2019, 102, 437-447.	3.8	30
79	Synthesis, structure, and dielectric properties of a new binary antiferroelectric solid solution: (1â^'x)Pb(Mg_{1/2}W_{1/2})O₃â€“xPbHfO₃. Journal of the American Ceramic Society, 2019, 102, 1329-1337.	3.8	3
80	Spinâ€“lattice correlation in Eu3+ doped antiferromagnet TmFeO3. Physical Chemistry Chemical Physics, 2019, 21, 19181-19191.	2.8	5
81	Identifying Oxygen Activation/Oxidation Sites for Efficient Soot Combustion over Silver Catalysts Interacted with Nanoflower-Like Hydrotalcite-Derived CoAlO Metal Oxides. ACS Catalysis, 2019, 9, 8772-8784.	11.2	77
82	Interface and Doping Engineering of HfO2 Based Multi-Level RRAM: Towards Synaptic Simulation for Neuromorphic Computation. , 2019, , .		0
83	Pressure-induced reversible framework rearrangement and increased polarization in the polar [NH4][Cd(HCOO)3] hybrid perovskite. Inorganic Chemistry Frontiers, 2019, 6, 2379-2386.	6.0	9
84	Structural and Electrical Properties of Flexible ITO/In₂O₃Thermocouples on PI Substrates under Tensile Stretching. ACS Applied Electronic Materials, 2019, 1, 1105-1111.	4.3	13
85	Viewpoint: Atomic-Scale Design Protocols toward Energy, Electronic, Catalysis, and Sensing Applications. Inorganic Chemistry, 2019, 58, 14939-14980.	4.0	23
86	Developing IR-780 as a Novel Matrix for Enhanced MALDI MS Imaging of Endogenous High-Molecular-Weight Lipids in Brain Tissues. Analytical Chemistry, 2019, 91, 15873-15882.	6.5	18
87	Oxygen Activation through Î²-Bi₂O₃ and Ultrafine CeO₂ Interactions to Promote Catalytic Soot Combustion. Industrial & Engineering Chemistry Research, 2019, 58, 22006-22014.	3.7	16
88	Super-elastic ferroelectric single-crystal membrane with continuous electric dipole rotation. Science, 2019, 366, 475-479.	12.6	272
89	Vertical ferroelectric switching by in-plane sliding of two-dimensional bilayer WTe₂. Nanoscale, 2019, 11, 18575-18581.	5.6	42
90	Interplay of electronic, magnetic, and structural properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>GdB</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:m from first principles. Physical Review B, 2019, 100, .	3.2	9

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91	Hydrogen peroxide-assisted synthesis of oxygen-doped carbon nitride nanorods for enhanced photocatalytic hydrogen evolution. RSC Advances, 2019, 9, 28421-28431.	3.6	6
92	Spin switching in single crystal PrFeO3 and spin configuration diagram of rare earth orthoferrites. Journal of Alloys and Compounds, 2019, 811, 152043.	5.5	37
93	First-principles study of the structural, electronic, magnetic, and ferroelectric properties of a charge-ordered iron(ii)-iron(iii) formate framework. Journal of Chemical Physics, 2019, 151, 124704.	3.0	4
94	Chemically engineered multiferroic morphotropic phase boundary in BiFeO3-based single phase multiferroics. Journal of Applied Physics, 2019, 125, .	2.5	10
95	New Antiferroelectric Perovskite System with Ultrahigh Energy-Storage Performance at Low Electric Field. Chemistry of Materials, 2019, 31, 979-990.	6.7	108
96	High oxide ion conductivity in layer-structured Bi₄Ti₃O₁₂-based ferroelectric ceramics. Journal of Materials Chemistry C, 2019, 7, 8825-8835.	5.5	38
97	THz-frequency magnon-phonon-polaritons in the collective strong-coupling regime. Journal of Applied Physics, 2019, 125, .	2.5	35
98	Structural instability and magnetism of superconducting <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>KCr</mml:mi><mml:mn>3</mml:mn></mml	3.3	11
99	Physical Review B, 2019, 99, . <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>Bi</mml:mi><mml:mi>VO</mml:mi></mml:mrow><mml:mn>4</mml:mn></mml mathvariant="normal">g</mml:mi></mml:mrow></mml:mrow></mml:math> - <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="normal">C</mml:mi></mml:mrow></mml:mrow><mml:mn>3</mml:mn> Physical Review Applied, 201	3.8	23
100	Efficient Pt/Ba/SnxCe1â€“xO2 Catalysts for High-Temperature Lean NOx Traps with High H2O and CO2 Tolerance. Industrial & Engineering Chemistry Research, 2019, , .	3.7	1
101	Giant contribution of the ligand states to the magnetic properties of the Cr2Ge2Te6 monolayer. Physical Chemistry Chemical Physics, 2019, 21, 9597-9604.	2.8	13
102	Comparative Study of the Chemical Constituents and Bioactivities of the Extracts from Fruits, Leaves and Root Barks of Lycium barbarum. Molecules, 2019, 24, 1585.	3.8	33
103	Recent progress of energy transfer and luminescence intensity boosting mechanism in Nd3+-sensitized upconversion nanoparticles. Journal of Rare Earths, 2019, 37, 791-805.	4.8	38
104	Routes to Low-Energy Magnetic Electronics. Spin, 2019, 09, .	1.3	6
105	Magnetic and electronic properties of Cr2Ge2Te6 monolayer by strain and electric-field engineering. Applied Physics Letters, 2019, 114, .	3.3	69
106	Large easy-plane anisotropy induced spin reorientation in magnetoelectric materials (Co_{4â^'x}Mn_x)Nb₂O₉. Journal of Physics Condensed Matter, 2019, 31, 235801.	1.8	8
107	Spin reorientation functionality in antiferromagnetic TmFe1-xInxO3 polycrystalline samples. Journal of Alloys and Compounds, 2019, 789, 80-89.	5.5	9
108	First-principles studies of a two-dimensional electron gas at the interface of polar/polar LaAlO₃/KNbO₃ superlattices. Physical Chemistry Chemical Physics, 2019, 21, 8046-8053.	2.8	9

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109	Jilesâ€“Atherton model prediction and compensation of the hysteresis inside magnetic shields. AIP Advances, 2019, 9, .	1.3	2
110	Bioferroelectric Properties of Glycine Crystals. Journal of Physical Chemistry Letters, 2019, 10, 1319-1324.	4.6	32
111	2D selenium allotropes from first principles and swarm intelligence. Journal of Physics Condensed Matter, 2019, 31, 235702.	1.8	21
112	Electronic transport of organic-inorganic hybrid perovskites from first-principles and machine learning. Applied Physics Letters, 2019, 114, .	3.3	16
113	Modulating charge transfer dynamics for g-C₃N₄ through a dimension and interface engineered transition metal phosphide co-catalyst for efficient visible-light photocatalytic hydrogen generation. Journal of Materials Chemistry A, 2019, 7, 6939-6945.	10.3	64
114	Engineering of self-rectifying filamentary resistive switching in LiNbO3 single crystalline thin film via strain doping. Scientific Reports, 2019, 9, 19134.	3.3	10
115	NIR Light-Degradable Antimony Nanoparticle-Based Drug-Delivery Nanosystem for Synergistic Chemoâ€“Photothermal Therapy in Vitro. ACS Applied Materials & Interfaces, 2019, 11, 48290-48299.	8.0	39
116	Chemical ordering and relaxor properties in a novel solid solution of (1-x)Pb(Mg1/3Nb2/3)O3-xPb(Cd1/3Nb2/3)O3. Ferroelectrics, 2019, 553, 14-25.	0.6	0
117	Quasiparticle electronic structure of honeycomb C ₃ N: from monolayer to bulk. 2D Materials, 2019, 6, 015018.	4.4	20
118	Ionic Modulation of Interfacial Magnetism in Light Metal/Ferromagnetic Insulator Layered Nanostructures. Advanced Functional Materials, 2019, 29, 1805592.	14.9	12
119	Tuning the Magnetic Anisotropy of Fe₃O₄/Pt Heterostructures Fabricated by Atomic Layer Deposition With <inline-formula> <tex-math notation="LaTeX">$In~Situ$ </tex-math> </inline-formula> Magnetic Field. IEEE Transactions on Magnetics, 2019, 55, 1-7.	2.1	2
120	Operando diagnostic detection of interfacial oxygen â€˜breathingâ€™ of resistive random access memory by bulk-sensitive hard X-ray photoelectron spectroscopy. Materials Research Letters, 2019, 7, 117-123.	8.7	19
121	Anomalous and Polarizationâ€Sensitive Photoresponse of T_dâ€WTe₂ from Visible to Infrared Light. Advanced Materials, 2019, 31, e1804629.	21.0	63
122	Microstructure and thermoelectric properties of In2O3/ITO thin film thermocouples with Al2O3 protecting layer. Journal of Materials Science: Materials in Electronics, 2019, 30, 1786-1793.	2.2	6
123	Cubic and tetragonal perovskites from the random phase approximation. Physical Review Materials, 2019, 3, .	2.4	10
124	Research progress of coherent control of terahertz spin waves and strong coupling in rare-earth orthoferrites. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 167501.	0.5	7
125	Large Piezoelectric Strain with Superior Thermal Stability and Excellent Fatigue Resistance of Lead-Free Potassium Sodium Niobate-Based Grain Orientation-Controlled Ceramics. ACS Applied Materials & Interfaces, 2018, 10, 10220-10226.	8.0	51
126	A new kind of thermocouple made of p-type and n-type semi-conductive oxides with giant thermoelectric voltage for high temperature sensing. Journal of Materials Chemistry C, 2018, 6, 3206-3211.	5.5	23

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127	Thermal Driven Giant Spin Dynamics at Three-Dimensional Heteroepitaxial Interface in Ni_{0.5}Zn_{0.5}Fe₂O₄/BaTiO₃-Pillar	14.6	27
128	Spin dynamics and magnetoelectric coupling mechanism of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">o</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:mi mathvariant="normal">N</mml:mi><mml:msub><mml:mi mathvariant="normal">b</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant	3.2	41
129	One-Dimensional Organicâ€“Inorganic Hybrid Perovskite Incorporating Near-Infrared-Absorbing Cyanine Cations. Journal of Physical Chemistry Letters, 2018, 9, 2438-2442.	4.6	22
130	Extreme magnetoresistance and SdH oscillation in compensated semimetals of NbSb2 single crystals. Journal of Applied Physics, 2018, 123, .	2.5	11
131	Strong Anisotropy and Ultralow Percolation Threshold in Multiscale Composites Modified by Carbon Nanotubes Coated Hollow Glass Fiber. Advanced Engineering Materials, 2018, 20, 1800077.	3.5	2
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