

Jun-Ming Liu

List of Publications by Year in descending order

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482
papers

23,515
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28190

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10424

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491
all docs

491
docs citations

491
times ranked

24325
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Thermoelectric Performance of Nanostructured Bismuth Antimony Telluride Bulk Alloys. Science, 2008, 320, 634-638.	6.0	4,843
2	Multiferroicity: the coupling between magnetic and polarization orders. Advances in Physics, 2009, 58, 321-448.	35.9	1,333
3	Nitrogen-doped graphene and its electrochemical applications. Journal of Materials Chemistry, 2010, 20, 7491.	6.7	1,040
4	Room-temperature saturated ferroelectric polarization in BiFeO ₃ ceramics synthesized by rapid liquid phase sintering. Applied Physics Letters, 2004, 84, 1731-1733.	1.5	992
5	Rational molecular passivation for high-performance perovskite light-emitting diodes. Nature Photonics, 2019, 13, 418-424.	15.6	970
6	Visible-Light Photocatalytic Properties of Weak Magnetic BiFeO ₃ Nanoparticles. Advanced Materials, 2007, 19, 2889-2892.	11.1	837
7	An organic-inorganic perovskite ferroelectric with large piezoelectric response. Science, 2017, 357, 306-309.	6.0	744
8	Multiferroic materials and magnetoelectric physics: symmetry, entanglement, excitation, and topology. Advances in Physics, 2015, 64, 519-626.	35.9	661
9	Highly Flexible Silver Nanowire Electrodes for Shape-Memory Polymer Light-Emitting Diodes. Advanced Materials, 2011, 23, 664-668.	11.1	622
10	Magnetoelectric CoFe ₂ O ₄ /Pb(Zr,Ti)O ₃ composite thin films derived by a sol-gel process. Applied Physics Letters, 2005, 86, 122501.	1.5	285
11	Long Electron-Hole Diffusion Length in High-Quality Lead-Free Double Perovskite Films. Advanced Materials, 2018, 30, e1706246.	11.1	242
12	High-Performance Programmable Memory Devices Based on Co-Doped BaTiO ₃ . Advanced Materials, 2011, 23, 1351-1355.	11.1	197
13	Efficient Planar Perovskite Solar Cells with Improved Fill Factor via Interface Engineering with Graphene. Nano Letters, 2018, 18, 2442-2449.	4.5	195
14	Multiferroic properties of CaMn ₇ O ₁₂ . Physical Review B, 2011, 84, .	1.1	142
15	Single-phase multiferroics: new materials, phenomena, and physics. National Science Review, 2019, 6, 653-668.	4.6	136
16	A review of flexible perovskite oxide ferroelectric films and their application. Journal of Materiomics, 2020, 6, 1-16.	2.8	136
17	Stable, High-Sensitivity and Fast-Response Photodetectors Based on Lead-Free Cs ₂ AgBiBr ₆ Double Perovskite Films. Advanced Optical Materials, 2019, 7, 1801732.	3.6	126
18	High-density array of ferroelectric nanodots with robust and reversibly switchable topological domain states. Science Advances, 2017, 3, e1700919.	4.7	125

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37	Dynamic response and hysteresis dispersion scaling of ferroelectric SrBi ₂ Ta ₂ O ₉ thin films. Applied Physics Letters, 2003, 83, 1406-1408.	1.5	70
38	Cluster-glass state in manganites induced by A-site cation-size disorder. Physical Review B, 2006, 73, .	1.1	70
39	A Gd@C ₈₂ single-molecule electret. Nature Nanotechnology, 2020, 15, 1019-1024.	15.6	70
40	Frequency response and scaling of hysteresis for ferroelectric Pr(Zr _{0.52} Ti _{0.48})O ₃ thin films deposited by laser ablation. Journal of Applied Physics, 1999, 86, 5198-5202.	1.1	69
41	Resistance switching memory in perovskite oxides. Annals of Physics, 2015, 358, 206-224.	1.0	69
42	Interface Engineering of Domain Structures in BiFeO ₃ Thin Films. Nano Letters, 2017, 17, 486-493.	4.5	69
43	Current rectifying and resistive switching in high density BiFeO ₃ nanocapacitor arrays on Nb-SrTiO ₃ substrates. Scientific Reports, 2015, 5, 9680. <math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>BaFe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow><mml:mi>S</mml:mi><mml:msub><mml:mrow><mml:mi>mathvariant="normal">e</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>	1.6	68
44	A High<math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>T</mml:mi></mml:mrow><mml:mi>mathvariant="normal">c</mml:mi><mml:mi>x</mml:mi></mml:msub><mml:mi>Fe</mml:mi><mml:msub><mml:mi>mathvariant="normal">u</mml:mi></mml:msub></mml:mrow></mml:math>	2.9	67
45	Phonon-assisted energy back transfer-induced multicolor upconversion emission of Gd ₂ O ₃ :Yb ³⁺ /Er ³⁺ nanoparticles under near-infrared excitation. Physical Chemistry Chemical Physics, 2015, 17, 15412-15418.	1.3	67
46	Scaling on hysteresis dispersion in ferroelectric systems. Applied Physics Letters, 2001, 79, 236-238.	1.5	66
47	Promoting the Hole Extraction with Co ₃ O ₄ Nanomaterials for Efficient Carbon-Based CsPb ₂ Br Perovskite Solar Cells. Solar Rrl, 2019, 3, 1800315.	3.1	65
48	Stable Triple Cation Perovskite Precursor for Highly Efficient Perovskite Solar Cells Enabled by Interaction with 18C6 Stabilizer. Advanced Functional Materials, 2020, 30, 1908613.	7.8	65
49	Resistive switching induced by charge trapping/detrapping: a unified mechanism for colossal electroresistance in certain Nb:SrTiO ₃ -based heterojunctions. Journal of Materials Chemistry C, 2017, 5, 7317-7327.	2.7	61
50	Hexagonal phase stabilization and magnetic orders of multiferroic<math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>mathvariant="normal">L</mml:mi><mml:msub><mml:mi>mathvariant="normal">u</mml:mi></mml:msub></mml:mrow></mml:math>	1.1	60
51	Thinning ferroelectric films for high-efficiency photovoltaics based on the Schottky barrier effect. NPG Asia Materials, 2019, 11, .	3.8	60
52	Simultaneously enhanced energy storage density and efficiency in novel BiFeO ₃ -based lead-free ceramic capacitors. Journal of the European Ceramic Society, 2021, 41, 387-393.	2.8	60
53	Solvent-Assisted Low-Temperature Crystallization of SnO ₂ Electron-Transfer Layer for High-Efficiency Planar Perovskite Solar Cells. Advanced Functional Materials, 2019, 29, 1900557.	7.8	59
54	Nanoscale Topotactic Phase Transformation in SrFeO _x Epitaxial Thin Films for High-Density Resistive Switching Memory. Advanced Materials, 2019, 31, e1903679.	11.1	58

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55	One-step chemical vapor deposition of MoS ₂ nanosheets on SiNWs as photocathodes for efficient and stable solar-driven hydrogen production. <i>Nanoscale</i> , 2018, 10, 3518-3525.	2.8	57
56	Monte Carlo simulation of magnetic behavior of a spin-chain system on a triangular lattice. <i>Physical Review B</i> , 2006, 74, .	1.1	56
57	Temperature-dependent and polarization-tuned resistive switching in Au/BiFeO ₃ /SrRuO ₃ junctions. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	55
58	Ultrathin Alumina Mask-Assisted Nanopore Patterning on Monolayer MoS ₂ for Highly Catalytic Efficiency in Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 8026-8035.	4.0	55
59	Giant anisotropic magnetoresistance and nonvolatile memory in canted antiferromagnet Sr ₂ IrO ₄ . <i>Nature Communications</i> , 2019, 10, 2280.	5.8	55
60	An Artificial Optoelectronic Synapse Based on a Photoelectric Memcapacitor. <i>Advanced Electronic Materials</i> , 2020, 6, 1900858.	2.6	55
61	Steplike magnetization of spin chains in a triangular lattice: Monte Carlo simulations. <i>Physical Review B</i> , 2006, 73, .	1.1	53
62	Efficient and stable CH ₃ NH ₃ PbI _{3-x} (SCN) _x planar perovskite solar cells fabricated in ambient air with low-temperature process. <i>Journal of Power Sources</i> , 2018, 377, 52-58.	4.0	53
63	Experimental demonstration of skyrmionic magnetic tunnel junction at room temperature. <i>Science Bulletin</i> , 2022, 67, 691-699.	4.3	52
64	Defect states and charge trapping characteristics of HfO ₂ films for high performance nonvolatile memory applications. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	51
65	Direct observation of ferroelectricity in Ca ₃ Mn ₂ O ₇ and its prominent light absorption. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	51
66	Enhanced performance of CH ₃ NH ₃ PbI _{3-x} Cl _x perovskite solar cells by CH ₃ NH ₃ I modification of TiO ₂ -perovskite layer interface. <i>Nanoscale Research Letters</i> , 2016, 11, 316.	3.1	50
67	Room-temperature multiferroicity and diversified magnetoelectric couplings in 2D materials. <i>National Science Review</i> , 2020, 7, 373-380.	4.6	50
68	Excellent Ferroelectric Properties of Hf _{0.5} Zr _{0.5} O ₂ Thin Films Induced by Al ₂ O ₃ Dielectric Layer. <i>IEEE Electron Device Letters</i> , 2019, 40, 1937-1940.	2.2	49
69	An efficient multi-functional material based on polyether-substituted indolocarbazole for perovskite solar cells and solution-processed non-doped OLEDs. <i>Journal of Materials Chemistry A</i> , 2019, 7, 1539-1547.	5.2	49
70	Ultrathin Co ₃ O ₄ nanosheet clusters anchored on nitrogen doped carbon nanotubes/3D graphene as binder-free cathodes for Al-air battery. <i>Chemical Engineering Journal</i> , 2020, 381, 122681.	6.6	49
71	Dopant-free F-substituted benzodithiophene copolymer hole-transporting materials for efficient and stable perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1858-1864.	5.2	49
72	Design and simple synthesis of composite Bi ₁₂ Ti ₂₀ /Bi ₄ Ti ₃ O ₁₂ with a good photocatalytic quantum efficiency and high production of photo-generated hydroxyl radicals. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 26530-26538.	1.3	48

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73	Transparent Glass with the Growth of Pyramid-Type MoS ₂ for Highly Efficient Water Disinfection under Visible-Light Irradiation. ACS Applied Materials & Interfaces, 2018, 10, 23444-23450.	4.0	48
74	Strong magnetoelectric coupling in multiferroic BiFeO ₃ /Pb(Zr _{0.52} Ti _{0.48})O ₃ composite films derived from electrophoretic deposition. Applied Physics Letters, 2008, 93, .	1.5	46
75	Optimization of hierarchical structure and nanoscale-enabled plasmonic refraction for window electrodes in photovoltaics. Nature Communications, 2016, 7, 12825.	5.8	46
76	Enhancing the efficiency of low-temperature planar perovskite solar cells by modifying the interface between perovskite and hole transport layer with polymers. Electrochimica Acta, 2018, 261, 445-453.	2.6	46
77	Polarization-dependent interfacial coupling modulation of ferroelectric photovoltaic effect in PZT-ZnO heterostructures. Scientific Reports, 2016, 6, 22948.	1.6	45
78	Fabrication and photoelectrochemical properties of silicon nanowires/g-C ₃ N ₄ core/shell arrays. Applied Surface Science, 2017, 396, 609-615.	3.1	45
79	Energy storage and polarization switching kinetics of (001)-oriented Pb _{0.97} La _{0.02} (Zr _{0.95} Ti _{0.05})O ₃ antiferroelectric thick films. Applied Physics Letters, 2016, 108, .	1.5	44
80	Electrically Driven Reversible Magnetic Rotation in Nanoscale Multiferroic Heterostructures. ACS Nano, 2018, 12, 6767-6776.	7.3	44
81	Enhanced ferromagnetism and ferroelectricity in multiferroic CuCr _{1-x} Ni _x O ₂ . Applied Physics Letters, 2009, 94, .	1.5	43
82	Unipolar resistive switching effect in YMn _{1-x} Fe _x O ₃ thin films. Applied Physics Letters, 2010, 96, .	1.5	43
83	Predicting high thermoelectric performance of ABX ternary compounds NaMgX (X = P, Sb, As) with weak electron-phonon coupling and strong bonding anharmonicity. Journal of Materials Chemistry C, 2016, 4, 3281-3289.	2.7	43
84	Ferroelectric Diodes with Charge Injection and Trapping. Physical Review Applied, 2017, 7, .	1.5	43
85	Collinear magnetic structure and multiferroicity in the polar magnet CoMn_2O_8 . Physical Review B, 2019, 100, .	1.1	43
86	Ho substitution suppresses collinear Dy spin order and enhances polarization in DyMnO ₃ . Applied Physics Letters, 2011, 99, .	1.5	42
87	Coexistence of unipolar and bipolar resistive switching in BiFeO ₃ and Bi _{0.8} Ca _{0.2} FeO ₃ films. Journal of Applied Physics, 2012, 111, .	1.1	42
88	An electroforming-free, analog interface-type memristor based on a SrFeO _x epitaxial heterojunction for neuromorphic computing. Materials Today Physics, 2021, 18, 100392.	2.9	42
89	Experimental observation of ferrielectricity in multiferroic DyMn ₂ O ₅ . Scientific Reports, 2014, 4, 3984.	1.6	41
90	Photocatalytic properties of a new Z-scheme system BaTiO ₃ /In ₂ S ₃ with a core-shell structure. RSC Advances, 2019, 9, 11377-11384.	1.7	41

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91	A Solution-Processed Dopant-Free Tin Phthalocyanine (SnPc) Hole Transport Layer for Efficient and Stable Carbon-Based CsPbI ₂ Br Planar Perovskite Solar Cells Prepared by a Low-Temperature Process. <i>ACS Applied Energy Materials</i> , 2020, 3, 7832-7843.	2.5	41
92	Striped Multiferroic Phase in Double-Exchange Model for Quarter-Doped Manganites. <i>Physical Review Letters</i> , 2009, 103, 107204.	2.9	40
93	The development of BiFeO ₃ -based ceramics. <i>Science Bulletin</i> , 2014, 59, 5161-5169.	1.7	40
94	Quasi-one-dimensional metallic conduction channels in exotic ferroelectric topological defects. <i>Nature Communications</i> , 2021, 12, 1306.	5.8	40
95	Stretchable and self-healable hydrogel artificial skin. <i>National Science Review</i> , 2022, 9, .	4.6	40
96	Temperature-dependent fatigue behaviors of ferroelectric ABO ₃ -type and layered perovskite oxide thin films. <i>Applied Physics Letters</i> , 2004, 84, 3352-3354.	1.5	39
97	Polarization enhancement and ferroelectric switching enabled by interacting magnetic structures in DyMnO ₃ thin films. <i>Scientific Reports</i> , 2013, 3, 3374.	1.6	39
98	A Practical ITO Replacement Strategy: Sputtering-Free Processing of a Metallic Nanonetwork. <i>Advanced Materials Technologies</i> , 2017, 2, 1700061.	3.0	39
99	Nature-Inspired Metallic Networks for Transparent Electrodes. <i>Advanced Functional Materials</i> , 2018, 28, 1705023.	7.8	39
100	Synthesis of visible-light-driven BiOBr _{1-x} solid solution nanoplates by ultrasound-assisted hydrolysis method with tunable bandgap and superior photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2018, 732, 167-177.	2.8	39
101	Coexistence of magnetic and ferroelectric behaviors of pyrochlore Ho ₂ Ti ₂ O ₇ . <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	38
102	Coupled ferroelectric polarization and magnetization in spinel FeCr ₂ S ₄ . <i>Scientific Reports</i> , 2014, 4, 6530.	1.6	38
103	Response Characteristics of Hydrogen Sensors Based on PMMA-Membrane-Coated Palladium Nanoparticle Films. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 27193-27201.	4.0	38
104	Core-Shell MoS ₂ @CoO Electrocatalyst for Water Splitting in Neutral and Alkaline Solutions. <i>Journal of Physical Chemistry C</i> , 2019, 123, 5833-5839.	1.5	38
105	Enhanced energy storage performance and thermal stability in relaxor ferroelectric (1-x)BiFeO ₃ -x(0.85BaTiO ₃ -0.15Bi(Sn _{0.5} Zn _{0.5})O ₃) ceramics. <i>Journal of the American Ceramic Society</i> , 2021, 104, 2646-2654.		38
106	Ferroelectricity of polycrystalline GdMnO ₃ and multifold magnetoelectric responses. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 112, 947-954.	1.1	37
107	Magnetic field gradient driven dynamics of isolated skyrmions and antiskyrmions in frustrated magnets. <i>New Journal of Physics</i> , 2018, 20, 053037.	1.2	37
108	Rapid Microwave-Assisted Synthesis of SnO ₂ Quantum Dots for Efficient Planar Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 1887-1893.	2.5	37

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109	High Efficiency Solar Cells As Fabricated by Sb ₂ S ₃ -Modified TiO ₂ Nanofibrous Networks. ACS Applied Materials & Interfaces, 2013, 5, 8345-8350.	4.0	36
110	Low-Temperature-Processed WO _x as Electron Transfer Layer for Planar Perovskite Solar Cells Exceeding 20% Efficiency. Solar Rrl, 2020, 4, 1900499.	3.1	36
111	Multiferroic response and clamped domain structure in a two-dimensional spiral magnet: Monte Carlo simulation. Physical Review B, 2008, 77, .	1.1	35
112	Flexible, Fatigue-Free, and Large-Scale Bi _{0.25} La _{0.75} Ti ₃ O ₁₂ Ferroelectric Memories. ACS Applied Materials & Interfaces, 2018, 10, 21428-21433.	4.0	35
113	Transparent, Flexible, Fatigue-Free, Optical-Read, and Nonvolatile Ferroelectric Memories. ACS Applied Materials & Interfaces, 2019, 11, 35169-35176.	4.0	35
114	Controllable phase connectivity and magnetoelectric coupling behavior in CoFe ₂ O ₄ -Pb(Zr,Ti)O ₃ nanostructured films. Nanotechnology, 2007, 18, 465708.	1.3	34
115	Dynamic hysteresis scaling of ferroelectric Pb _{0.9} Ba _{0.1} (Zr _{0.52} Ti _{0.48})O ₃ thin films. Journal of Physics Condensed Matter, 2009, 21, 485901.	0.7	34
116	Ferroelectricity and superparamagnetism in Sr/Ti nonstoichiometric SrTiO ₃ . Physical Review B, 2012, 85, .	1.1	34
117	Controllable Photovoltaic Effect of Microarray Derived from Epitaxial Tetragonal BiFeO ₃ Films. ACS Applied Materials & Interfaces, 2017, 9, 27284-27289.	4.0	34
118	Ru-doping-induced ferromagnetism in charge-ordered La _{0.4} Physical Review B, 2009, 79, .	1.1	33
119	Highly anisotropic resistivities in the double-exchange model for strained manganites. Physical Review B, 2010, 82, .	1.1	33
120	Revealing Controllable Anisotropic Magnetoresistance in Spin-Orbit Coupled Antiferromagnet Sr ₂ IrO ₄ . Advanced Functional Materials, 2018, 28, 1706589.	7.8	33
121	Observation of Exotic Domain Structures in Ferroelectric Nanodot Arrays Fabricated via a Universal Nanopatterning Approach. ACS Applied Materials & Interfaces, 2017, 9, 37219-37226.	4.0	32
122	All-Inorganic Flexible Ba _{0.67} Sr _{0.33} TiO ₃ Thin Films with Excellent Dielectric Properties over a Wide Range of Frequencies. ACS Applied Materials & Interfaces, 2019, 11, 27088-27097.	4.0	32
123	Highly Controllable and Silicon-Compatible Ferroelectric Photovoltaic Synapses for Neuromorphic Computing. IScience, 2020, 23, 101874.	1.9	32
124	Nonvolatile Ferroelectric-Domain-Wall Memory Embedded in a Complex Topological Domain Structure. Advanced Materials, 2022, 34, e2107711.	11.1	32
125	Mean-field theory for ferroelectricity in Ca ₃ Physical Review B, 2009, 79, .	1.1	31
126	Multiferroic phase diagram of Y partially substituted Dy _{1-x} YxMnO ₃ . Applied Physics Letters, 2011, 98, 012510.	1.5	31

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127	Novel multiferroicity in GdMnO ₃ thin films with self-assembled nano-twinned domains. Scientific Reports, 2014, 4, 7019.	1.6	31
128	Ferroelectric Polarization Switching Dynamics and Domain Growth of Triglycine Sulfate and Imidazolium Perchlorate. Advanced Electronic Materials, 2016, 2, 1600038.	2.6	31
129	DyMnO ₃ : A model system of type-II multiferroics. Journal of Materiomics, 2016, 2, 213-224.	2.8	31
130	Pd Nanoparticle Film on a Polymer Substrate for Transparent and Flexible Hydrogen Sensors. ACS Applied Materials & Interfaces, 2018, 10, 44603-44613.	4.0	31
131	Field-Free Manipulation of Skyrmion Creation and Annihilation by Tunable Strain Engineering. Advanced Functional Materials, 2021, 31, 2008715.	7.8	31
132	An Unusual Mechanism for Negative Differential Resistance in Ferroelectric Nanocapacitors: Polarization Switching-Induced Charge Injection Followed by Charge Trapping. ACS Applied Materials & Interfaces, 2017, 9, 27120-27126.	4.0	30
133	Interfacial coupling induced critical thickness for the ferroelectric bistability of two-dimensional ferromagnet/ferroelectric van der Waals heterostructures. Physical Review B, 2019, 100, .	1.1	30
134	Magnetism and spin exchange coupling in strained monolayer CrOCl. Physical Chemistry Chemical Physics, 2020, 22, 17255-17262.	1.3	30
135	Surface-Induced 2D/1D Heterostructured Growth of ReS ₂ /CoS ₂ for High-Performance Electrocatalysts. ACS Applied Materials & Interfaces, 2020, 12, 33586-33594.	4.0	30
136	Colossal Figure of Merit in Transparent Conducting Metallic Ribbon Networks. Advanced Materials Technologies, 2016, 1, .	3.0	29
137	Large electroresistance and tunable photovoltaic properties of ferroelectric nanoscale capacitors based on ultrathin super-tetragonal BiFeO ₃ films. Journal of Materials Chemistry C, 2017, 5, 3323-3329.	2.7	29
138	Solvent-induced textured structure and improved crystallinity for high performance perovskite solar cells. Optical Materials Express, 2017, 7, 2150.	1.6	29
139	Quasifractal Networks as Current Collectors for Transparent Flexible Supercapacitors. Advanced Functional Materials, 2019, 29, 1906618.	7.8	28
140	Monte Carlo simulation of the dielectric susceptibility of Ginzburg-Landau mode relaxors. Physical Review B, 2004, 69, .	1.1	27
141	Coexisting and competition between ferroelectric and antiferroelectric states in Ca-doped Sr _{1-x} Ca _x Ti ₂ O ₇ . Scientific Reports, 2015, 5, 9922.	1.6	27
142	Unusual ferromagnetism enhancement in ferromagnetically optimal manganite La _{0.7-y} Ca _{0.3+y} Mn _{1-y} Ru _y O ₃ (0 ≤ y < 0.3): the role of Mn-Ru t _{2g} super-exchange. Scientific Reports, 2015, 5, 9922.	1.6	27
143	High performance planar perovskite solar cells based on CH ₃ NH ₃ PbI _{3-x} (SCN) _x perovskite film and SnO ₂ electron transport layer prepared in ambient air with 70% humidity. Electrochimica Acta, 2018, 260, 468-476.	2.6	27
144	Death signal transduction induced by co-immobilized TNF-α plus IFN-β and the development of polymeric anti-cancer drugs. Biomaterials, 2010, 31, 9074-9085.	5.7	26

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145	Flexible Sm ²⁺ /Fe/polyvinylidene fluoride heterostructural film with large magnetoelectric voltage output. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	26
146	Multiferroics: a beautiful but challenging multi-polar world. <i>National Science Review</i> , 2019, 6, 620-620.	4.6	26
147	Photovoltaic, photo-impedance, and photo-capacitance effects of the flexible (111) BiFeO ₃ film. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	26
148	Manipulation of Conductive Domain Walls in Confined Ferroelectric Nanoislands. <i>Advanced Functional Materials</i> , 2019, 29, 1807276.	7.8	26
149	Monte Carlo simulation of ferroelectric domain growth. <i>Physical Review B</i> , 2006, 73, .	1.1	25
150	Resistive switching and photovoltaic effects in ferroelectric BaTiO ₃ -based capacitors with Ti and Pt top electrodes. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	25
151	An All ⁺ inorganic, Transparent, Flexible, and Nonvolatile Resistive Memory. <i>Advanced Electronic Materials</i> , 2018, 4, 1800412.	2.6	25
152	Robust ferromagnetism in zigzag-edge rich MoS ₂ pyramids. <i>Nanoscale</i> , 2018, 10, 11578-11584.	2.8	25
153	Superconducting gap induced barrier enhancement in a BiFeO ₃ -based heterostructure. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	24
154	Cell cycle arrest and apoptosis of OVCAR-3 and MCF-7 cells induced by co-immobilized TNF- α plus IFN- β on polystyrene and the role of p53 activation. <i>Biomaterials</i> , 2012, 33, 6162-6171.	5.7	24
155	Constructing novel WO ₃ /Fe(III) nanofibers photocatalysts with enhanced visible-light-driven photocatalytic activity via interfacial charge transfer effect. <i>Materials Today Energy</i> , 2017, 3, 45-52.	2.5	24
156	Polarization imprint effects on the photovoltaic effect in Pb(Zr,Ti)O ₃ thin films. <i>Applied Physics Letters</i> , 2018, 112, 152905.	1.5	24
157	The $J_{eff} = 1/2$ Antiferromagnet Sr ₂ IrO ₄ : A Golden Avenue toward New Physics and Functions. <i>Advanced Materials</i> , 2020, 32, e1904508.	11.1	24
158	Emergent strain engineering of multiferroic BiFeO ₃ thin films. <i>Journal of Materiomics</i> , 2021, 7, 281-294.	2.8	24
159	Kinetics controlled aging effect of ferroelectricity in Al-doped and Ga-doped BaTiO ₃ . <i>Applied Physics Letters</i> , 2010, 97, 112906.	1.5	23
160	Improving the performance of low-temperature planar perovskite solar cells by adding functional fullerene end-capped polyethylene glycol derivatives. <i>Journal of Power Sources</i> , 2018, 396, 49-56.	4.0	23
161	Effective photodegradation of tetracycline by narrow-energy band gap photocatalysts La _{2-x} Sr _x NiMnO ₆ (x= 0, 0.05, 0.10, and 0.125). <i>Journal of Alloys and Compounds</i> , 2019, 806, 451-463.	2.8	23
162	Effects of active species on degrading A-ring of tetracycline in the Z-scheme heterostructured core-shell La(OH) ₃ @BaTiO ₃ composition. <i>Journal of Alloys and Compounds</i> , 2019, 804, 100-110.	2.8	23

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163	Highly sensitive up-conversion thermometric performance in Nd ³⁺ and Yb ³⁺ sensitized Ba ₄ La ₂ Ti ₄ Nb ₆ O ₃₀ based on near-infrared emissions. Journal of Physics and Chemistry of Solids, 2019, 124, 130-136.	1.9	23
164	Spontaneous Topological Magnetic Transitions in NdCo ₅ Rare-Earth Magnets. Advanced Materials, 2021, 33, e2103751.	11.1	23
165	Strong magnetoelectric coupling in Tb ²⁺ Fe ³⁺ Pb(Zr _{0.52} Ti _{0.48})O ₃ thin-film heterostructure prepared by low energy cluster beam deposition. Applied Physics Letters, 2008, 92, 012920.	1.5	22
166	Spin frustration destruction and ferroelectricity modulation in Ca ₃ CoMnO ₆ : Effects of Mn deficiency. Journal of Applied Physics, 2012, 111, .	1.1	22
167	Competition between quantum fluctuation and ferroelectric order in Eu ^{1-x} Ba _x TiO ₃ . Applied Surface Science, 2012, 258, 4601-4606.	3.1	22
168	The main 1/2 magnetization plateau in Shastry-Sutherland magnets: Effect of the long-range Ruderman-Kittel-Kasuya-Yosida interaction. Europhysics Letters, 2014, 105, 17009.	0.7	22
169	Influence of Heterocyclic Spacer and End Substitution on Hole Transporting Properties Based on Triphenylamine Derivatives: Theoretical Investigation. Journal of Physical Chemistry C, 2017, 121, 16731-16738.	1.5	22
170	Controllable defect driven symmetry change and domain structure evolution in BiFeO ₃ with enhanced tetragonality. Nanoscale, 2019, 11, 8110-8118.	2.8	22
171	Ion Beam Defect Engineering on ReS ₂ /Si Photocathode with Significantly Enhanced Hydrogen Evolution Reaction. Advanced Materials Interfaces, 2019, 6, 1801663.	1.9	22
172	Metamagnetic transitions and magnetoelectricity in the spin-1 honeycomb antiferromagnet Ni ₂ O ₈ . Physical Review B, 2021, 103, .	1.1	22
173	Enhanced ferroelectric polarization with less wake-up effect and improved endurance of Hf _{0.5} Zr _{0.5} O ₂ thin films by implementing W electrode. Journal of Materials Science and Technology, 2022, 104, 1-7.	5.6	22
174	Dynamic hysteresis in ferroelectric systems: experiment and Monte Carlo simulation. Applied Physics A: Materials Science and Processing, 2002, 75, 507-514.	1.1	21
175	Influence of A-site codoping on ferroelectricity of quantum paraelectric SrTiO ₃ . Journal of Applied Physics, 2008, 103, 124104.	1.1	21
176	Ru doping induced quantum paraelectricity in ferroelectric Sr _{0.9} Ba _{0.1} TiO ₃ . Applied Physics Letters, 2008, 92, 172912.	1.5	21
177	Ferroelectricity generated by spin-orbit and spin-lattice couplings in multiferroic DyMnO ₃ . Frontiers of Physics, 2012, 7, 408-417.	2.4	21
178	Effective silicon nanowire arrays/WO ₃ core/shell photoelectrode for neutral pH water splitting. Nanotechnology, 2017, 28, 275401.	1.3	21
179	Up-conversion luminescence, thermometry, and optical heating properties of Er ³⁺ - and Yb ³⁺ -doped K ₂ LaNb ₅ O ₁₅ submicro-particles synthesized by a simple molten salt method. Dalton Transactions, 2018, 47, 11337-11345.	1.6	21
180	3D honeycomb NiCo ₂ S ₄ @ Ni(OH) ₂ nanosheets for flexible all-solid-state asymmetric supercapacitors with enhanced specific capacitance. Journal of Alloys and Compounds, 2019, 790, 693-702.	2.8	21

#	ARTICLE	IF	CITATIONS
181	Sodium bismuth dichalcogenides: candidates for ferroelectric high-mobility semiconductors for multifunctional applications. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 8553-8558.	1.3	21
182	Enhanced Ferroelectric Properties and Insulator–Metal Transition-Induced Shift of Polarization-Voltage Hysteresis Loop in VO _x -Capped Hf _{0.5} Zr _{0.5} O ₂ Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 40510-40517.	4.0	21
183	Strain engineering of epitaxial oxide heterostructures beyond substrate limitations. <i>Matter</i> , 2021, 4, 1323-1334.	5.0	21
184	Effect of B-site Al-doping on electric polarization in DyMnO ₃ . <i>Applied Physics Letters</i> , 2010, 96, 252902.	1.5	20
185	Multiferroicity in spin ice Ho ₂ Ti ₂ O ₇ : An investigation on single crystals. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	20
186	The competing spin orders and fractional magnetization plateaus of the classical Heisenberg model on Shastry-Sutherland lattice: Consequence of long-range interactions. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	20
187	The ferroelectric polarization of Y ₂ CoMnO ₆ aligns along the b-axis: the first-principles calculations. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 20961-20970.	1.3	20
188	Domain structures and magnetoelectric effects in multiferroic nanostructures. <i>MRS Communications</i> , 2016, 6, 330-340.	0.8	20
189	Ultra-low coercive field of improper ferroelectric Ca ₃ Ti ₂ O ₇ epitaxial thin films. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	20
190	Cycloidal magnetism driven ferroelectricity in double tungstate LiFe(WO ₄) ₂ . <i>Physical Review B</i> , 2017, 95, .	1.1	20
191	Direct growth of vertically aligned ReSe ₂ nanosheets on conductive electrode for electro-catalytic hydrogen production. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 699-704.	5.0	20
192	Li-ion intercalation enhanced ferromagnetism in van der Waals Fe ₃ GeTe ₂ bilayer. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	20
193	Monte Carlo simulation on the size effect in ferroelectric nanostructures. <i>Journal of Applied Physics</i> , 2009, 106, 114103.	1.1	19
194	Enhancement of ferroelectricity in Cr-doped Ho ₂ Ti ₂ O ₇ . <i>Applied Physics Letters</i> , 2010, 96, .	1.5	19
195	Modulated multiferroicity of Cr-doped orthorhombic polycrystalline YMnO ₃ . <i>Journal Physics D: Applied Physics</i> , 2012, 45, 055003.	1.3	19
196	Multi-step magnetization of the Ising model on a Shastry–Sutherland lattice: a Monte Carlo simulation. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 386003.	0.7	19
197	Dielectric and magnetic properties of BiFe _{1-4x/3} Ti _x O ₃ ceramics with iron vacancies: Experimental and first-principles studies. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	19
198	Magnetization switching in the BiFe _{0.9} Mn _{0.1} O ₃ thin films modulated by resistive switching process. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	19

#	ARTICLE	IF	CITATIONS
199	Enhanced performance of planar perovskite solar cells using low-temperature processed Ga-doped TiO ₂ compact film as efficient electron-transport layer. <i>Electrochimica Acta</i> , 2018, 272, 68-76.	2.6	19
200	Thickness dependence of domain size in 2D ferroelectric CuInP ₂ S ₆ nanoflakes. <i>AIP Advances</i> , 2019, 9, .	0.6	19
201	Strain-mediated electric manipulation of magnetic skyrmion and other topological states in geometric confined nanodiscs. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 014007.	1.3	19
202	Nanoscale Phase Mixture and Multifield-Induced Topotactic Phase Transformation in SrFeO _x . <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 21883-21893.	4.0	19
203	Flexible asymmetric supercapacitors based on NiCo ₂ O ₄ in a neutral electrolyte achieving 2.4 V voltage window. <i>Journal of Alloys and Compounds</i> , 2021, 860, 158346.	2.8	19
204	Novel D-A-D type small-molecular hole transport materials for stable inverted perovskite solar cells. <i>Organic Electronics</i> , 2021, 92, 106102.	1.4	19
205	Controlled Switching of the Number of Skyrmions in a Magnetic Nanodot by Electric Fields. <i>Advanced Materials</i> , 2022, 34, e2107908.	11.1	19
206	Spin persistence in an antiferromagnetic triangular Ising lattice under a magnetic field. <i>Physical Review B</i> , 2007, 76, .	1.1	18
207	Enhanced polarization and magnetoelectric response in Tb _{1-x} Ho _x MnO ₃ . <i>Applied Physics A: Materials Science and Processing</i> , 2010, 99, 323-331.	1.1	18
208	Preparation, magnetic characterization, and optical band gap of EuTiO ₃ nanoparticles. <i>Applied Surface Science</i> , 2011, 257, 4505-4509.	3.1	18
209	Local electrical conduction in polycrystalline La-doped BiFeO ₃ thin films. <i>Nanotechnology</i> , 2013, 24, 225702.	1.3	18
210	Stabilized helical spin order and multiferroic phase coexistence in MnWO ₄ . Consequence of Mn ⁴⁺ substitution of Mn. <i>Physical Review B</i> , 2013, 87, .	1.1	18
211	The role of STAT-6 as a key transcription regulator in HeLa cell death induced by IFN- β /TNF- α co-immobilized on nanoparticles. <i>Biomaterials</i> , 2014, 35, 5016-5027.	5.7	18
212	Tuning electrical conductivity, charge transport, and ferroelectricity in epitaxial BaTiO ₃ films by Nb-doping. <i>Applied Physics Letters</i> , 2017, 110, 182903.	1.5	18
213	A Mixed Antisolvent-Assisted Crystallization Strategy for Efficient All-Inorganic CsPbI ₂ Perovskite Solar Cells by a Low-Temperature Process. <i>ACS Applied Energy Materials</i> , 2022, 5, 2881-2889.	2.5	18
214	Monte Carlo simulation on dielectric and ferroelectric behaviors of relaxor ferroelectrics. <i>Journal of Applied Physics</i> , 2004, 95, 4282-4290.	1.1	17
215	Cluster-assembled Tb-Fe nanostructured films produced by low energy cluster beam deposition. <i>Nanotechnology</i> , 2007, 18, 265705.	1.3	17
216	An investigation on magnetism, spin-phonon coupling, and ferroelectricity in multiferroic GdMn ₂ O ₅ . <i>Applied Physics A: Materials Science and Processing</i> , 2009, 96, 991-996.	1.1	17

#	ARTICLE	IF	CITATIONS
217	Pathway of programmed cell death in HeLa cells induced by polymeric anti-cancer drugs. <i>Biomaterials</i> , 2011, 32, 3637-3646.	5.7	17
218	Multiferroicity and phase transitions in Tm-substituted GdMnO ₃ . <i>Journal of Applied Physics</i> , 2012, 112, 034115.	1.1	17
219	Room temperature multiferroic and magnetodielectric properties in Sm and Sc co-doped BiFeO ₃ ceramics. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 395302.	1.3	17
220	Multiferroicity and Magnetoelectric Coupling in TbMnO ₃ Thin Films. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 26603-26607.	4.0	17
221	Phase transition and phase separation in multiferroic orthorhombic Dy _{1-x} HoxMnO ₃ (0 ≤ x ≤ 1). <i>Scientific Reports</i> , 2015, 4, 6506.	1.6	17
222	Electronic Structure and Charge-Trapping Characteristics of the Al ₂ O ₃ -TiAlO-SiO ₂ Gate Stack for Nonvolatile Memory Applications. <i>Nanoscale Research Letters</i> , 2017, 12, 270.	3.1	17
223	Nonvolatile Electric-Optical Memory Controlled by Conductive Filaments in Ti-Doped BiFeO ₃ . <i>Advanced Electronic Materials</i> , 2018, 4, 1700551.	2.6	17
224	Interactions of charged domain walls and oxygen vacancies in BaTiO ₃ : a first-principles study. <i>Materials Today Physics</i> , 2018, 6, 9-21.	2.9	17
225	Fluorinated interfacial layers in perovskite solar cells: efficient enhancement of the fill factor. <i>Journal of Materials Chemistry A</i> , 2020, 8, 16527-16533.	5.2	17
226	Spinodal decomposition of CuCo alloys. <i>Physica Status Solidi A</i> , 1993, 138, 157-174.	1.7	16
227	Reversible resistance switching in La _{0.225} Pr _{0.4} Ca _{0.375} MnO ₃ : The Joule-heat-assisted phase transition. <i>Applied Physics Letters</i> , 2009, 95, 143502.	1.5	16
228	Significant enhancement of magnetoelectric output in multiferroic heterostructural films modulated by electric polarization cycles. <i>Applied Physics Letters</i> , 2010, 96, 152902.	1.5	16
229	Dynamic hysteresis of tetragonal ferroelectrics: The resonance of 90°-domain switching. <i>Applied Physics Letters</i> , 2012, 100, 062904.	1.5	16
230	Three-state resistive switching in CoFe ₂ O ₄ /Pb(Zr _{0.52} Ti _{0.48})O ₃ /ZnO heterostructure. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	16
231	Ferroelectricity driven magnetism at domain walls in LaAlO ₃ /PbTiO ₃ superlattices. <i>Scientific Reports</i> , 2015, 5, 13052.	1.6	16
232	Ferrielectricity in DyMn ₂ O ₅ : A golden touchstone for multiferroicity of RMn ₂ O ₅ family. <i>Journal of Advanced Dielectrics</i> , 2015, 05, 1530003.	1.5	16
233	Electric field driven evolution of topological domain structure in hexagonal manganites. <i>Physical Review B</i> , 2017, 96, .	1.1	16
234	Helical and skyrmion lattice phases in three-dimensional chiral magnets: Effect of anisotropic interactions. <i>Scientific Reports</i> , 2017, 7, 7392.	1.6	16

#	ARTICLE	IF	CITATIONS
235	A tunable palladium nanoparticle film-based strain sensor in a Mott variable-range hopping regime. <i>Sensors and Actuators A: Physical</i> , 2018, 272, 161-169.	2.0	16
236	Highly Reproducible Fabrication of Perovskite Films with an Ultrawide Antisolvent Dripping Window for Large-scale Flexible Solar Cells. <i>Solar Rrl</i> , 2021, 5, .	3.1	16
237	Wood-derived electrode supporting CVD-grown ReS ₂ for efficient and stable hydrogen production. <i>Journal of Materials Science</i> , 2021, 56, 1551-1560.	1.7	16
238	Emerging phenomena from exotic ferroelectric topological states. <i>APL Materials</i> , 2021, 9, .	2.2	16
239	Vertically conductive MoS ₂ pyramids with a high density of active edge sites for efficient hydrogen evolution. <i>Journal of Materials Chemistry C</i> , 2020, 8, 3017-3022.	2.7	16
240	Enhanced multiferroicity in Mg-doped Ca ₃ Co ₂ â ^x MnxO ₆ . <i>Applied Physics Letters</i> , 2010, 96, .	1.5	15
241	Grain size effect on GdFeO ₃ -type lattice distortion and ferroelectric behavior in DyMnO ₃ . <i>Physica B: Condensed Matter</i> , 2012, 407, 3736-3739.	1.3	15
242	Dynamic magnetization process in the frustrated Shastry-Sutherland system TmB ₄ . <i>Europhysics Letters</i> , 2013, 102, 37005.	0.7	15
243	A flexible memory with low-voltage and high-operation speed using an Al ₂ O ₃ /poly(I±-methylstyrene) gate stack on a muscovite substrate. <i>Journal of Materials Chemistry C</i> , 2019, 7, 1913-1918.	2.7	15
244	From Unipolar, WORM-type to Ambipolar, Bistable Organic Electret Memory Device by Controlling Minority Lateral Transport. <i>Advanced Electronic Materials</i> , 2020, 6, 1901320.	2.6	15
245	Ultrafast domain wall motion in ferrimagnets induced by magnetic anisotropy gradient. <i>Physical Review B</i> , 2020, 101, .	1.1	15
246	Improving stability and efficiency of perovskite solar cells via a cerotic acid interfacial layer. <i>Surfaces and Interfaces</i> , 2021, 25, 101163.	1.5	15
247	Electrocatalytic performance of ReS ₂ nanosheets in hydrogen evolution reaction. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 2293-2303.	3.8	15
248	Dynamics and scaling of low-frequency hysteresis loops in nanomagnets. <i>Physical Review B</i> , 2007, 76, .	1.1	14
249	Piezoelectricity and ferroelectric cluster size in relaxor ferroelectrics. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	14
250	Magnetolectric coupling induced by exchange striction in frustrated Ising spin chain: Monte Carlo simulation. <i>Journal of Applied Physics</i> , 2009, 105, 033907.	1.1	14
251	Giant room-temperature magnetocapacitance in Co ²⁺ doped SnO ₂ dielectric films. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	14
252	Fabrication of high-density BiFeO ₃ nanodot and anti-nanodot arrays by anodic alumina template-assisted ion beam etching. <i>Nanotechnology</i> , 2016, 27, 485302.	1.3	14

#	ARTICLE	IF	CITATIONS
253	Two-Step Antiferromagnetic Transitions and Ferroelectricity in Spin-1 Triangular-Lattice Antiferromagnetic Sr ₃ NiTa ₂ O ₉ . Inorganic Chemistry, 2016, 55, 2709-2716.	1.9	14
254	Brownian motion and entropic torque driven motion of domain walls in antiferromagnets. Physical Review B, 2018, 97, .	1.1	14
255	Efficient hydrogen evolution catalyzed by amorphous molybdenum sulfide/N-doped active carbon hybrid on carbon fiber paper. International Journal of Hydrogen Energy, 2018, 43, 15135-15143.	3.8	14
256	Quaternary compounds Ag ₂ XYSe ₄ (X=Ba, Sr; Y=Sn, Ge) as novel p-type thermoelectric materials. Journal Physics D: Applied Physics, 2020, 53, 115302.	1.3	14
257	Enhanced performance and stability of ambient-processed CH ₃ NH ₃ PbI ₃ -x(SCN) _x planar perovskite solar cells by introducing ammonium salts. Applied Surface Science, 2020, 513, 145790.	3.1	14
258	Ferroelastically protected polarization switching pathways to control electrical conductivity in strain-graded ferroelectric nanoplates. Physical Review Materials, 2018, 2, .	0.9	14
259	Monte Carlo simulation on ferroelectric response to magnetic field in an elastic Ising spin chain. Journal of Applied Physics, 2009, 106, 013903.	1.1	13
260	Influence of Co:Mn ratio on multiferroicity of Ca ₃ Co ₂ xMnxO ₆ around x=1/4. Applied Physics Letters, 2010, 97, 032901.	1.5	13
261	Self-assembled nanoscale capacitor cells based on ultrathin BiFeO ₃ films. Applied Physics Letters, 2014, 104, 182903.	1.5	13
262	Experimental observations of ferroelectricity in double pyrochlore Dy ₂ Ru ₂ O ₇ . Frontiers of Physics, 2014, 9, 82-89.	2.4	13
263	Powerful inner/outer controlled multi-target magnetic nanoparticle drug carrier prepared by liquid photo-immobilization. Scientific Reports, 2014, 4, 4990.	1.6	13
264	Hybrid solar cells using solution-processed TiO ₂ /Sb ₂ S ₃ bilayer as electron transport layer. Solar Energy, 2016, 133, 103-110.	2.9	13
265	Induced SERS activity in Ag@SiO ₂ /Ag core-shell nanosphere arrays with tunable interior insulator. Journal of Raman Spectroscopy, 2016, 47, 1200-1206.	1.2	13
266	Proton transfer ferroelectricity/multiferroicity in rutile oxyhydroxides. Nanoscale, 2018, 10, 9509-9515.	2.8	13
267	Room Temperature Fabrication of High Quality ZrO ₂ Dielectric Films for High Performance Flexible Organic Transistor Applications. IEEE Electron Device Letters, 2018, 39, 280-283.	2.2	13
268	Depolarization-Field-Induced Retention Loss in Ferroelectric Diodes. Physical Review Applied, 2019, 11, .	1.5	13
269	Enhancing photoelectrochemical performance of the Bi ₂ MoO ₆ photoanode by ferroelectric polarization regulation. Nanoscale, 2020, 12, 18446-18454.	2.8	13
270	Boosting the performance of low-temperature processed CsPbI ₂ Br planar perovskite solar cells by interface engineering. Dyes and Pigments, 2021, 186, 109024.	2.0	13

#	ARTICLE	IF	CITATIONS
271	Successive electric polarization transitions induced by high magnetic field in the single-crystal antiferromagnet $\text{Co}_2\text{Mn}_2\text{O}_8$. <i>Physical Review B</i> , 2022, 105, .	2.3	13
272	Superior energy storage of sandwiched PVDF films by separate introduction of core-shell Ag@BT nanoparticles and 2D MXene nanosheets. <i>Ceramics International</i> , 2022, 48, 19274-19282.	2.3	13
273	Negative magnetodielectric effect in $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	12
274	Reversing ferroelectric polarization in multiferroic DyMn_2O_5 by nonmagnetic Al substitution of Mn. <i>Journal of Applied Physics</i> , 2014, 116, 054104.	1.1	12
275	Local Magnetolectric Effect in La-Doped BiFeO_3 Multiferroic Thin Films Revealed by Magnetic-Field-Assisted Scanning Probe Microscopy. <i>Nanoscale Research Letters</i> , 2016, 11, 318.	3.1	12
276	Effects of phase structure on up-conversion photoluminescence and dielectric performance in Er^{3+} -doped $(\text{Bi}_0.5\text{Na}_0.5)\text{TiO}_3\text{-BaTiO}_3$ lead-free ceramics. <i>Journal of Alloys and Compounds</i> , 2019, 801, 619-625.	2.8	12
277	4-Bromoaniline Passivation for Efficient and Stable All-Inorganic CsPb_2Br Planar Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2021, 4, 5415-5423.	2.5	12
278	Band structure, ferroelectric instability, and spin-orbital coupling effect of bilayer In_2Se_3 . <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	12
279	Universal substrate growth of Ag-modified ReS_2 as visible-light-driven photocatalyst for highly efficient water disinfection. <i>Chemical Engineering Journal</i> , 2022, 430, 132918.	6.6	12
280	Guanidine Thiocyanate-Induced High-Quality Perovskite Film for Efficient TiO_2 -Based Perovskite Solar Cells. <i>Solar Rrl</i> , 2022, 6, .	3.1	12
281	Magnetic behaviors of classical spin model on the Shastry-Sutherland lattice: Monte Carlo simulation. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	11
282	Tunable resistive switching behaviour in ferroelectric ZnO bilayer films. <i>Journal Physics D: Applied Physics</i> , 2013, 46, 165304.	1.3	11
283	Enhanced Magnetodielectric Effect in Graded $\text{CoFe}_2\text{O}_4/\text{Pb}_0.9\text{Sr}_0.1\text{Zr}_0.1\text{O}_3$ Particulate Composite Films. <i>Journal of the American Ceramic Society</i> , 2014, 97, 1450-1455.	1.6	11
284	Kinetics of 90° domain wall motions and high frequency mesoscopic dielectric response in strained ferroelectrics: A phase-field simulation. <i>Scientific Reports</i> , 2014, 4, 5007.	1.6	11
285	External field effects on aging phenomenon of acceptor-doped BaTiO_3 ceramics. <i>AIP Advances</i> , 2015, 5, .	0.6	11
286	STAT6 deficiency ameliorates Graves' disease severity by suppressing thyroid epithelial cell hyperplasia. <i>Cell Death and Disease</i> , 2016, 7, e2506-e2506.	2.7	11
287	High stability of electro-transport and magnetism against the A-site cation disorder in SrRuO_3 . <i>Scientific Reports</i> , 2016, 6, 27840.	1.6	11
288	Continuous Magnetolectric Control in Multiferroic DyMnO_3 Films with Twin-like Domains. <i>Scientific Reports</i> , 2016, 6, 20175.	1.6	11

#	ARTICLE	IF	CITATIONS
289	Spatial anisotropy of topological domain structure in hexagonal manganites. <i>Physical Review B</i> , 2017, 95, .	1.1	11
290	Ultrafast depinning of domain walls in notched antiferromagnetic nanostructures. <i>Physical Review B</i> , 2019, 100, .	1.1	11
291	Nondestructive Transfer Strategy for High-Efficiency Flexible Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47003-47007.	4.0	11
292	Enhanced charge transport in ReSe ₂ -based 2D/3D electrodes for efficient hydrogen evolution reaction. <i>Chemical Communications</i> , 2020, 56, 305-308.	2.2	11
293	Extremely flat band in antiferroelectric bilayer In_2Se_3 with large twist-angle. <i>New Journal of Physics</i> , 2021, 23, 083019.	1.2	11
294	Dynamics of spacing selection of a lamellar eutectic during directional solidification. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1992, 157, 73-78.	2.6	10
295	Role of long-range elastic energy in relaxor ferroelectrics. <i>Applied Physics Letters</i> , 2006, 89, 092909.	1.5	10
296	Inorganic Solar Cells Based on Electrospun ZnO Nanofibrous Networks and Electrodeposited Cu ₂ O. <i>Nanoscale Research Letters</i> , 2015, 10, 465.	3.1	10
297	Temperature dependences of ferroelectricity and resistive switching behavior of epitaxial BiFeO ₃ thin films. <i>Chinese Physics B</i> , 2015, 24, 107705.	0.7	10
298	Tuning the photovoltaic effect of multiferroic CoFe ₂ O ₄ /Pb(Zr, Ti)O ₃ composite films by magnetic fields. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	10
299	Unique nano-domain structures in self-assembled BiFeO ₃ and Pb(Zr,Ti)O ₃ ferroelectric nanocapacitors. <i>Nanotechnology</i> , 2016, 27, 015703.	1.3	10
300	High performance organic nonvolatile memory transistors based on HfO ₂ and poly(α -methylstyrene) electret hybrid charge-trapping layers. <i>Applied Physics Letters</i> , 2017, 111, 063302.	1.5	10
301	Ultrathin MoS ₂ -coated Ag@Si nanosphere arrays as an efficient and stable photocathode for solar-driven hydrogen production. <i>Nanotechnology</i> , 2018, 29, 105402.	1.3	10
302	Dynamics of distorted skyrmions in strained chiral magnets. <i>New Journal of Physics</i> , 2018, 20, 063050.	1.2	10
303	Bioinspired High-Adhesion Metallic Networks as Flexible Transparent Conductors. <i>Advanced Materials Technologies</i> , 2019, 4, 1900056.	3.0	10
304	Large magnetoelectric effect in the polar magnet Sm ₂ BaCuO ₅ . <i>Applied Physics Letters</i> , 2019, 115, 252902.	1.5	10
305	Pressure effects on the structures and electronic properties of halide perovskite CsPbX ₃ (X = I, Br, Cl). <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 3479-3484.	1.3	10
306	A structural perspective on giant permittivity CaCu ₃ Ti ₄ O ₁₂ : One way to quantum dielectric physics in solids. <i>Open Ceramics</i> , 2021, 6, 100126.	1.0	10

#	ARTICLE	IF	CITATIONS
307	Significant Modulation of Ferroelectric Photovoltaic Behavior by a Giant Macroscopic Flexoelectric Effect Induced by Strain-Relaxed Epitaxy. <i>Advanced Electronic Materials</i> , 2022, 8, 2100612.	2.6	10
308	Enhanced ferroelectricity in orthorhombic manganites $Gd_{1-x}HoxMnO_3$. <i>Journal of Applied Physics</i> , 2011, 109, 07D901.	1.1	9
309	The apoptosis of OVCAR-3 induced by TNF- α plus IFN- γ co-immobilized polylactic acid copolymers. <i>Journal of Materials Chemistry</i> , 2012, 22, 14746.	6.7	9
310	Cell death in HeLa mediated by thermoplastic polyurethane with co-immobilized IFN- γ plus TNF- α . <i>Acta Biomaterialia</i> , 2012, 8, 1348-1356.	4.1	9
311	One-Step Mask Etching Strategy Toward Ordered Ferroelectric $Pb(Zr_{0.52}Ti_{0.48})O_3$ Nanodot Arrays. <i>Nanoscale Research Letters</i> , 2015, 10, 1028.	3.1	9
312	Self-electroforming and high-performance complementary memristor based on ferroelectric tunnel junctions. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	9
313	Self-Organized Ferroelectric Domains Controlled by a Constant Bias from the Atomic Force Microscopy Tip. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40911-40917.	4.0	9
314	Manipulating the magnetism and resistance state of $Mn:ZnO/Pb(Zr_{0.52}Ti_{0.48})O_3$ heterostructured films through electric fields. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	9
315	Enhanced performance of planar perovskite solar cells based on low-temperature processed TiO_2 electron transport layer modified by Li_2SiO_3 . <i>Journal of Power Sources</i> , 2018, 392, 1-7.	4.0	9
316	Microwave fields driven domain wall motions in antiferromagnetic nanowires. <i>New Journal of Physics</i> , 2018, 20, 063003.	1.2	9
317	Remarkable magnetoelectric effect in single crystals of honeycomb magnet $Mn_4Nb_2O_9$. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	9
318	Ultra-high piezoelectric coefficients and strain-sensitive Curie temperature in hydrogen-bonded systems. <i>National Science Review</i> , 2021, 8, nwaa203.	4.6	9
319	Enhancement of electrical properties of solution-processed oxide thin film transistors using ZrO_2 gate dielectrics deposited by an oxygen-doped solution. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 125101.	1.3	9
320	Magnetoelectric coupling in self-assembled $BiFeO_3/CoFe_2O_4$ nanocomposites on (110)- $LaAlO_3$ substrates. <i>APL Materials</i> , 2021, 9, 041109.	2.2	9
321	Understanding the effect of antisolvent on processing window and efficiency for large-area flexible perovskite solar cells. <i>Materials Today Physics</i> , 2021, 21, 100565.	2.9	9
322	Additive Engineering in Antisolvent for Widening the Processing Window and Promoting Perovskite Seed Formation in Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17348-17357.	4.0	9
323	High-performance self-driven photodetectors based on self-polarized $Bi_{0.9}Eu_{0.1}FeO_3/Nb$ -doped $SrTiO_3$ p-n heterojunctions. <i>Journal of Alloys and Compounds</i> , 2022, 915, 165451.	2.8	9
324	Enhanced piezoelectric effect of relaxor ferroelectrics in nonpolar direction. <i>Applied Physics Letters</i> , 2007, 90, 062905.	1.5	8

#	ARTICLE	IF	CITATIONS
325	Magnetization oscillation in a nanomagnet driven by a self-controlled spin-polarized current: Nonlinear stability analysis. <i>Physical Review B</i> , 2007, 76, .	1.1	8
326	Stripe-vortex transitions in ultrathin magnetic nanostructures. <i>Journal of Applied Physics</i> , 2013, 113, 054312.	1.1	8
327	Real-space anisotropic dielectric response in a multiferroic skyrmion lattice. <i>Scientific Reports</i> , 2015, 5, 8318.	1.6	8
328	BiFeO ₃ nanorings synthesized via AAO template-assisted pulsed laser deposition and ion beam etching. <i>RSC Advances</i> , 2017, 7, 41210-41216.	1.7	8
329	Two-level hierarchical stripe domains and enhanced piezoelectricity of rapid hot-press sintered BiFeO ₃ ceramics. <i>Journal of Applied Physics</i> , 2018, 124, 194104.	1.1	8
330	Lamellar NiMoCo@CuS enabling electrocatalytic activity and stability for hydrogen evolution. <i>Chemical Communications</i> , 2019, 55, 10555-10558.	2.2	8
331	Polarization tunable and enhanced photovoltaic properties in tetragonal-like BiFeO ₃ epitaxial films with graphene top electrode. <i>Journal of Alloys and Compounds</i> , 2019, 811, 152013.	2.8	8
332	Magnetism and hybrid improper ferroelectricity in LaMO ₃ /YMO ₃ superlattices. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 20132-20136.	1.3	8
333	Presence of a purely tetragonal phase in ultrathin BiFeO ₃ films: Thermodynamics and phase-field simulations. <i>Acta Materialia</i> , 2020, 183, 110-117.	3.8	8
334	Antiferromagnetism of Double Molybdate LiFe(MoO ₄) ₂ . <i>Inorganic Chemistry</i> , 2020, 59, 8127-8133.	1.9	8
335	Oxygen incorporated solution-processed high- ϵ^* La ₂ O ₃ dielectrics with large-area uniformity, low leakage and high breakdown field comparable with ALD deposited films. <i>Journal of Materials Chemistry C</i> , 2020, 8, 5163-5173.	2.7	8
336	High-efficient smart windows enabled by self-forming fractal networks and electrophoresis of core-shell TiO ₂ @SiO ₂ particles. <i>Energy and Buildings</i> , 2021, 232, 110657.	3.1	8
337	Coexistence of multiple morphotropic phase boundaries in strained La-doped BiFeO ₃ thin films. <i>Materials Today Physics</i> , 2021, 17, 100345.	2.9	8
338	Stability phase diagrams and tuning of magnetic skyrmionium and other states. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 526, 167706.	1.0	8
339	Anomalous phase separation in La _{0.225} Pr _{0.4} Ca _{0.375} MnO ₃ : consequence of temperature and magnetic-field cycles. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 104, 471-476.	1.1	7
340	Multiferroic domain structure in orthorhombic multiferroics of cycloidal spin order: Phase field simulations. <i>Applied Physics Letters</i> , 2012, 101, 042908.	1.5	7
341	Microstructure defects mediated charge transport in Nb-doped epitaxial BaTiO ₃ thin films. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 175302.	1.3	7
342	Understanding the multiferroicity in TmMn ₂ O ₅ by a magnetically induced ferrielectric model. <i>Scientific Reports</i> , 2016, 6, 34767.	1.6	7

#	ARTICLE	IF	CITATIONS
343	Influence of strain on optical properties of multiferroic EuTiO ₃ film: A first-principles investigation. Journal of Applied Physics, 2017, 122, .	1.1	7
344	Revisiting the phase transitions in Ba Sr _{1-x} TiO ₃ at low doping range (x=0.1). Journal of Alloys and Compounds, 2018, 749, 276-282.	2.8	7
345	Direct evidence for the coexistence of nanoscale high-conduction and low-conduction phases in VO ₂ films. Applied Physics Letters, 2018, 113, .	1.5	7
346	Persistent Large Anisotropic Magnetoresistance and Insulator-to-Metal Transition in Spin-Orbit-Coupled Sr ₂ MnO ₇	1.5	7
347	New iron-based multiferroics with improper ferroelectricity. Journal Physics D: Applied Physics, 2018, 51, 243002.	1.3	7
348	Enhanced photovoltaic efficiency and persisted photoresponse switchability in LaVO ₃ /Pb(Zr _{0.2} Ti _{0.8})O ₃ perovskite heterostructures. Journal of Materials Chemistry C, 2019, 7, 12482-12490.	2.7	7
349	Disorder-insensitivity of room-temperature giant permittivity in Ca _{4-x} Cu _x Ti ₄ O ₁₂ (x=3, 2 and 1) polycrystalline ceramics. Journal of Applied Physics, 2019, 126, .	1.1	7
350	Magnetoelectric couplings in high-density array of nanoscale Co/BiFeO ₃ multiferroic heterostructures. Applied Physics Letters, 2019, 114, .	1.5	7
351	Conductivity, charge transport, and ferroelectricity of La-doped BaTiO ₃ epitaxial thin films. Journal Physics D: Applied Physics, 2020, 53, 025301.	1.3	7
352	Room-Temperature-Processed ZrO ₂ Interlayer toward Efficient Planar Perovskite Solar Cells. ACS Applied Energy Materials, 2020, 3, 3328-3336.	2.5	7
353	High-Throughput Screening of Quaternary Compounds and New Insights for Excellent Thermoelectric Performance. Journal of Physical Chemistry C, 2021, 125, 24796-24804.	1.5	7
354	Manipulation of Skyrmion Motion Dynamics for Logical Device Application Mediated by Inhomogeneous Magnetic Anisotropy. Nanomaterials, 2022, 12, 278.	1.9	7
355	Size-dependent structural preferences and magnetization enhancement in 0.5Bi _{0.8} La _{0.2} FeO ₃ ~0.5PbTiO ₃ . Journal of Applied Physics, 2010, 108, .	1.1	6
356	Immobilizing bifenthrin on wood for termite control. International Biodeterioration and Biodegradation, 2011, 65, 389-395.	1.9	6
357	Ferroelectricity and multiferroicity: Broader way to go beyond. Frontiers of Physics, 2012, 7, 373-374.	2.4	6
358	Magnetic orders in pnictide superconductors: the effect of biquadratic interaction. New Journal of Physics, 2014, 16, 053027.	1.2	6
359	Enhanced nematic and antiferromagnetic phases in the spin-fermion model for strained iron pnictides. New Journal of Physics, 2015, 17, 013011.	1.2	6
360	Plasmonic refraction~induced ultrahigh transparency of highly conducting metallic networks. Laser and Photonics Reviews, 2016, 10, 465-472.	4.4	6

#	ARTICLE	IF	CITATIONS
361	Reproducible resistive switching in the super-thin Bi ₂ FeCrO ₆ epitaxial film with SrRuO ₃ bottom electrode. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	6
362	Antiferroelectric polarization switching and dynamic scaling of energy storage: A Monte Carlo simulation. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	6
363	Fabrication of epitaxial ferroelectric BiFeO ₃ nanoring structures by a two-step nano-patterning method. <i>Ceramics International</i> , 2017, 43, 16136-16140.	2.3	6
364	Domain structures in circular ferroelectric nano-islands with charged defects: A Monte Carlo simulation. <i>Journal of Applied Physics</i> , 2017, 122, 044103.	1.1	6
365	Effects of temperature and electric field on order parameters in ferroelectric hexagonal manganites. <i>Journal of Applied Physics</i> , 2018, 123, 094102.	1.1	6
366	Phase transitions in BiFeO ₃ nanoislands with enhanced electromechanical response. <i>Ceramics International</i> , 2018, 44, 21725-21729.	2.3	6
367	The Ir ⁴⁺ substitution dependence of electric polarization as a probe of magnetic phase stability in multiferroic MnWO ₄ . <i>Journal of Applied Physics</i> , 2019, 126, 064103.	1.1	6
368	Oxygen vacancy mediated conductivity and charge transport properties of epitaxial Ba _{0.6} La _{0.4} TiO ₃ thin films. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	6
369	Recycling by-products in new small molecular electrochromic materials with ultra bistability. <i>Dyes and Pigments</i> , 2019, 162, 697-703.	2.0	6
370	MnO ₂ -doping induced enhanced multiferroicity in Bi _{0.83} Sm _{0.17} Fe _{0.95} Sc _{0.05} O ₃ ceramics. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	6
371	Giant Bulk Photostriction of Lead Halide Perovskite Single Crystals. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 32263-32269.	4.0	6
372	Complex center-type topological domain in ferroelectric nanoislands of rhombohedral Pb(Zr _{0.7} Ti _{0.3})O ₃ . <i>Journal of Applied Physics</i> , 2020, 128, .	1.1	6
373	Controlled manipulation of conductive ferroelectric domain walls and nanoscale domains in BiFeO ₃ thin films. <i>Journal of Materiomics</i> , 2022, 8, 274-280.	2.8	6
374	Development and Prospects of Halide Perovskite Single Crystal Films. <i>Advanced Electronic Materials</i> , 2022, 8, .	2.6	6
375	Versatile SrFeO for memristive neurons and synapses. <i>Journal of Materiomics</i> , 2022, 8, 967-975.	2.8	6
376	Dynamics of decomposition of CuCo alloys at the spinodal point. <i>Journal of Materials Science Letters</i> , 1994, 13, 1699-1702.	0.5	5
377	Dynamic hysteresis for Potts spin system: a Monte Carlo simulation. <i>Applied Physics A: Materials Science and Processing</i> , 2000, 70, 113-120.	1.1	5
378	Multiferroic Domain Structure in Orthorhombic Multiferroics of Cycloidal Spin Order: Three-Dimensional Phase Field Simulations. <i>IEEE Transactions on Magnetics</i> , 2013, 49, 3117-3120.	1.2	5

#	ARTICLE	IF	CITATIONS
379	Enhanced ferromagnetism, metal-insulator transition, and large magnetoresistance in $\text{La}_{1-x}\text{Ca}_x\text{Mn}_{1-x}\text{Ru}_x\text{O}_3$ free of eg-orbital double-exchange. <i>Journal of Applied Physics</i> , 2014, 115, 123904.	1.1	5
380	The crucial role of Mn spiral spin order in stabilizing the Dy^2MnO_3 Mn exchange striction in multiferroic DyMnO_3 . <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 3706-3712.	1.3	5
381	Magnetoelectric mutual-control in collinear antiferromagnetic NdCrTiO_5 . <i>Applied Physics Letters</i> , 2018, 113, .	1.5	5
382	A bio-inspired 3D quasi-fractal nanostructure for an improved oxygen evolution reaction. <i>Chemical Communications</i> , 2019, 55, 357-360.	2.2	5
383	Unusual tunability of multiferroicity in GdMn_2O_5 by electric field poling far above multiferroic ordering point. <i>Chinese Physics B</i> , 2019, 28, 027502.	0.7	5
384	Suppression of vortex-antivortex structures by anti-trimer point defects in hexagonal manganites. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	5
385	Effect of nonmagnetic substituent Zn on the phase competition and multiferroic properties in the polar magnet $\text{Fe}_2\text{Mo}_3\text{O}_8$. <i>Applied Physics Letters</i> , 2021, 118, 112901.	1.5	5
386	Control of large linear magnetoelectricity in $\text{Co}_3\text{NiNb}_2\text{O}_9$. <i>Journal of Materiomics</i> , 2021, 7, 810-814.	2.8	5
387	Electric Field-Driven Rotation of Magnetic Vortex Originating from Magnetic Anisotropy Reorientation. <i>Advanced Electronic Materials</i> , 2022, 8, 2100561.	2.6	5
388	Research progress and prospects of photocatalytic devices with perovskite ferroelectric semiconductors. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020, 69, 127706.	0.2	5
389	Interface scattering dominated carrier transport in hysteresis-free amorphous InGaZnO thin film transistors with high-k HfAlO gate dielectrics by atom layer deposition. <i>Semiconductor Science and Technology</i> , 2022, 37, 025005.	1.0	5
390	Tuning the morphology and optoelectronic properties of AgBi_4 film through isopropanol treatment. <i>Journal of Materials Chemistry C</i> , 2022, 10, 5321-5327.	2.7	5
391	Significantly enhanced interlayer ferromagnetic coupling in van der Waals Fe_3GeTe_2 bilayer by Be-ion intercalation. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	5
392	Disorder-induced broadening of the spin waves in the triangular-lattice quantum spin liquid candidate YbZnGaO_4 . <i>Physical Review B</i> , 2021, 104, .	1.1	5
393	Spacing selection for an Sn-Pb lamellar eutectic during directional solidification. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1993, 167, 87-96.	2.6	4
394	Mean-field theory of ferroelectricity in SrCaTiO_3 . <i>Physical Review B</i> , 2012, 85, 041101.	1.1	4
395	Electric field driven phase transition and possible twinning quasi-tetragonal phase in compressively strained BiFeO_3 thin films. <i>Frontiers of Physics</i> , 2012, 7, 424-428.	2.4	4
396	Multiferroic phase transitions in manganites MnO_3 : A two-orbital double exchange simulation. <i>Chinese Physics B</i> , 2012, 21, 107502.	0.7	4

#	ARTICLE	IF	CITATIONS
397	Anisotropic manipulation of ferroelectric polarization in SrTiO ₃ /(Co _{0.9} Zn _{0.1})Fe ₂ O ₄ heterostructural films by magnetic field. Journal of Applied Physics, 2014, 115, 044102.	1.1	4
398	Manipulating the ferromagnetism in narrow-bandwidth Pr _{1-x} Ca _x MnO ₃ (0 ≤ x ≤ 0.6) by means of the Mn-Ru t _{2g} ferromagnetic super-exchanges. Journal of Applied Physics, 2015, 118, 123901.	1.1	4
399	Manipulation of Dy-Mn coupling and ferroelectric phase diagram of DyMn ₂ O ₅ : The effect of Y substitution of Dy. Journal of Applied Physics, 2015, 118, 174105.	1.1	4
400	Tunable magnetic helicity in Mn ²⁺ /Fe ²⁺ /Ge: A Monte Carlo simulation. Journal of Applied Physics, 2015, 117, .	1.1	4
401	Manipulating the exchange bias effect of Pb(Zr _{0.52} Ti _{0.48})O ₃ /CoFe ₂ O ₄ /NiO heterostructural films by electric fields. Applied Physics Letters, 2016, 109, .	1.5	4
402	Magnetic phase transition and multiferroic phase separation in Ho _{1-x} Gd _x MnO ₃ . Ceramics International, 2019, 45, 8325-8332.	2.3	4
403	Geometric and anisotropy effects on voltage driven magnetic switching behaviors in nanoscale multiferroic heterostructure. AIP Advances, 2019, 9, 045101.	0.6	4
404	Electric field driven multi-state magnetization switching in triangular nanomagnets on piezoelectric substrate. Journal of Physics Condensed Matter, 2019, 31, 295802.	0.7	4
405	Quantitative estimation of inter-dipole interaction energy in giant-permittivity CaCu ₃ Ti ₄ O ₁₂ solid bulks. AIP Advances, 2019, 9, .	0.6	4
406	Domain structure and multiferroic properties of epitaxial hexagonal ErMnO ₃ films. Journal of Alloys and Compounds, 2020, 821, 153529.	2.8	4
407	Strain effects on conductivity and charge transport in La-doped BaTiO ₃ thin films. Journal Physics D: Applied Physics, 2020, 53, 075305.	1.3	4
408	Experimental observation of ferroelectricity in ferrimagnet MnCr ₂ S ₄ . Applied Physics Letters, 2020, 117, .	1.5	4
409	Realization of tunable artificial synapse through ambipolar charge trapping in organic transistor with pentacene/poly(±-methylstyrene) architecture. Journal of Applied Physics, 2021, 129, .	1.1	4
410	Observation of magnetoelectric effect in the S=1/2 spin chain compound CoSe ₂ O ₅ single crystal. Applied Physics Letters, 2022, 120, 052901.	1.5	4
411	Controllable Coercive Field of Ferroelectric HfO ₂ Films via UV-Ozone Surface Modification. IEEE Transactions on Electron Devices, 2022, 69, 3094-3099.	1.6	4
412	High Energy Storage Performance in Ba _{0.85} Ca _{0.15} Zr _{0.1} Ti _{0.9} O ₃ ZnO Hybrid Perovskite Solid Solution Thin Films. Advanced Electronic Materials, 2022, 8, .	2.6	4
413	Tunable Linearity of Weight Update in Low Voltage Synaptic Transistors with Periodic High-k Laminates. Advanced Electronic Materials, 2022, 8, .	2.6	4
414	Handedness filter and Doppler shift of spin waves in ferrimagnetic domain walls. Physical Review B, 2022, 105, .	1.1	4

#	ARTICLE	IF	CITATIONS
415	Precipitation in binary alloys with anisotropic interaction: a Monte-Carlo approach. Journal of Materials Science Letters, 1995, 14, 1734-1737.	0.5	3
416	GIANT DIELECTRIC TUNABLE BEHAVIOR OF Pr-DOPED SrTiO ₃ AT LOW TEMPERATURE. Functional Materials Letters, 2012, 05, 1250018.	0.7	3
417	Effect of dipole-dipole interaction on self-control magnetization oscillation in double-domain nanomagnets. Solid State Communications, 2012, 152, 561-565.	0.9	3
418	Critical exponents of ferroelectric transitions in modulated SrTiO ₃ : Consequences of quantum fluctuations and quenched disorder. Chinese Physics B, 2013, 22, 077701.	0.7	3
419	Domain splitting and enhanced piezoelectricity in ferroelectric thin films with square grid structure. Europhysics Letters, 2014, 108, 27009.	0.7	3
420	Stability of multiferroicity against Dy/Mn off-stoichiometry in DyMnO ₃ . Journal of Applied Physics, 2014, 115, 17D911.	1.1	3
421	The 90° domain splitting and electromechanical behaviors in ferroelectric thin films with triangle anti-dot array. Computational Materials Science, 2015, 108, 301-308.	1.4	3
422	Impulse voltage control of continuously tunable bipolar resistive switching in Pt/Bi _{0.9} Eu _{0.1} FeO ₃ /Nb-doped SrTiO ₃ heterostructures. Applied Physics A: Materials Science and Processing, 2017, 123, 1.	1.1	3
423	Recyclable and Flexible Starch-Ag Networks and Its Application in Joint Sensor. Nanoscale Research Letters, 2019, 14, 127.	3.1	3
424	Abnormal dependence of multiferroicity on high-temperature electro-poling in GdMn ₂ O ₅ . Journal of Applied Physics, 2019, 126, 174104.	1.1	3
425	Strain-tuned optical property in magnetoelectric LiFe ₅ O ₈ thin film. Journal of Alloys and Compounds, 2020, 821, 153199.	2.8	3
426	Absence of piezoelectric enhancement around the morphotropic phase boundaries for Bi _{1-x} Nd _x FeO ₃ ceramics. AIP Advances, 2020, 10, .	0.6	3
427	Anisotropic spin-driven ferroelectricity and magnetoelectric effect in a Y-type hexaferrite. Applied Physics Letters, 2021, 118, .	1.5	3
428	Tuning the large magnetoelectric coupling in Co ₄ Nb ₂ O ₉ with Mn substitution. Ceramics International, 2021, 47, 14041-14047.	2.3	3
429	High- $\hat{\rho}$ La ₂ O ₃ as an anode modifier to reduce leakage current for efficient perovskite solar cells. Surfaces and Interfaces, 2021, 24, 101102.	1.5	3
430	Stability and low-energy orientations of interphase boundaries in multiaxial ferroelectrics: Phase-field simulations. Physical Review B, 2022, 105, .	1.1	3
431	Magnetoelectric Effect in Garnet Mn ₃ Al ₂ Ge ₃ O ₁₂ . Inorganic Chemistry, 2022, 61, 86-91.	1.9	3
432	Dynamic scaling of phase separation in CuCo alloys. Journal of Materials Science, 1996, 31, 2807-2818.	1.7	2

#	ARTICLE	IF	CITATIONS
433	Minimal switching voltage for magnetization reversals in asymmetric nanorings. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 3698-3701.	1.0	2
434	Anisotropy modulated stepwise magnetization in triangular Heisenberg antiferromagnet. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 3276-3280.	1.0	2
435	The role of dipole-dipole interaction in modulating the step-like magnetization of Ca ₃ Co ₂ O ₆ . <i>Journal of Applied Physics</i> , 2012, 111, 07E133.	1.1	2
436	The interaction of multifold polar orderings in Ba-doped Sr _{0.7} Ca _{0.3} TiO ₃ . <i>Materials Research Bulletin</i> , 2012, 47, 1316-1322.	2.7	2
437	Phase transitions in classical biquadratic Heisenberg model for strained iron pnictides. <i>Journal of Applied Physics</i> , 2015, 117, 17E302.	1.1	2
438	Phase transition in orthorhombic perovskite Sm _{1-x} Lu _x MnO ₃ : Evidenced by the emergence of ferroelectric polarization. <i>Journal of Applied Physics</i> , 2015, 117, .	1.1	2
439	Inexpensive transparent nanoelectrode for crystalline silicon solar cells. <i>Nanoscale Research Letters</i> , 2016, 11, 312.	3.1	2
440	A flexible adhesive with a conductivity of 5240 S/cm. <i>Science Bulletin</i> , 2021, 66, 657-660.	4.3	2
441	Reversible Ionic Polarization in Metal Halide Perovskites. <i>Journal of Physical Chemistry C</i> , 2021, 125, 283-289.	1.5	2
442	Low-cost and efficient hole transport materials based on 9-phenyl-9H-carbazole branch for perovskite solar cells. <i>Surfaces and Interfaces</i> , 2022, 28, 101598.	1.5	2
443	Emergence of magnetic order and enhanced magnetoelectric coupling in Lu-doped Sm ₂ BaCuO ₅ . <i>Ceramics International</i> , 2022, 48, 10244-10250.	2.3	2
444	Dynamics of phase separation in alloys with internal elastic energy: a Monte Carlo approach. <i>Materials Letters</i> , 1996, 28, 189-195.	1.3	1
445	Dynamics of directional coarsening in binary alloys: Monte-Carlo simulation. <i>Journal of Materials Science</i> , 1997, 32, 1765-1773.	1.7	1
446	Influence of cycling electric polarization on multiferroic behaviors in heterostructural films composed of ferroelectric and ferromagnetic oxides. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 113, 477-482.	1.1	1
447	Magnetic and ferroelectric orders in strained Gd _{1/2} Na _{1/2} TiO ₃ : First-principles calculations. <i>Journal of Applied Physics</i> , 2015, 117, 17C742.	1.1	1
448	Modulated multiferroic phases and electric polarization in Mn _{1-x} Ru _x WO ₄ . <i>Journal of Applied Physics</i> , 2015, 117, 17D912.	1.1	1
449	Enhanced magnetism-generated ferroelectricity in highly frustrated Fe-doped Ho ₂ Ti ₂ O ₇ . <i>Journal of Applied Physics</i> , 2015, 117, 17D915.	1.1	1
450	Electronic phase engineering induced thermoelectric enhancement in manganites. <i>Journal of Applied Physics</i> , 2018, 124, 034501.	1.1	1

#	ARTICLE	IF	CITATIONS
451	Cationic Vacancy Mediated Conductivity and Charge Transport in Non-Stoichiometric Epitaxial BaTi _{0.75} Nb _{0.25} O ₃ Films. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, 1900418.	1.2	1
452	Absence of ferroelectricity in double-perovskite Y ₂ CoMnO ₆ single crystals. <i>Journal of Applied Physics</i> , 2019, 126, 084102.	1.1	1
453	Electro-opto-mechano driven reversible multi-state memory devices based on photocurrent in Bi _{0.9} Eu _{0.1} FeO ₃ /La _{0.67} Sr _{0.33} MnO ₃ /PMN-PT heterostructures. <i>RSC Advances</i> , 2020, 10, 15784-15793.	1.7	1
454	Hall voltage reversal and structural phase transition in VO ₂ thin films. <i>Applied Physics Letters</i> , 2020, 116, 082106.	1.5	1
455	Epitaxial strain tunable conductivity and charge transport of Ba _{0.6} La _{0.4} TiO ₃ thin films deposited by pulsed laser deposition. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	1
456	High-performance complementary resistive switching in ferroelectric film. <i>AIP Advances</i> , 2021, 11, 065202.	0.6	1
457	Control of Néel-type Magnetic Kinks Confined in a Square Nanostructure by Spin-Polarized Currents. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	1
458	Permittivity order modulation by intrinsic dielectric coupling. <i>AIP Advances</i> , 2021, 11, 015354.	0.6	1
459	Monte Carlo study on domain wall dynamics of J ₁ -J ₂ triangular spin system. <i>Journal of Applied Physics</i> , 2020, 128, 224106.	1.1	1
460	Strain Engineering of Epitaxial Oxide Heterostructures Beyond Substrate Limitations. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
461	Strain-mediated voltage-controlled magnetic double-vortex states in elliptical nanostructures. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 547, 168729.	1.0	1
462	Ultralow thermal conductivity of thermoelectric compound Ag ₂ BaGeSe ₄ . <i>AIP Advances</i> , 2021, 11, 125320.	0.6	1
463	Direct Evidence for an Intermediate Multiferroic Phase in LiCuFe ₂ (VO ₄) ₃ . <i>Inorganic Chemistry</i> , 2022, 61, 944-949.	1.9	1
464	Bifunctional Passivation for Efficient and Stable Low-Temperature Processed All-Inorganic CsPbI ₂ Br ₂ Perovskite Solar Cells. <i>Surfaces and Interfaces</i> , 2022, 32, 102097.	1.5	1
465	Structure function and dynamic scaling of CuCo alloys during phase separation. <i>Materials Letters</i> , 1996, 26, 145-153.	1.3	0
466	Quantitative calculations of polarizations arising from the symmetric and antisymmetric exchange strictions in Tm-doped GdMnO ₃ . <i>Chinese Physics B</i> , 2015, 24, 037509.	0.7	0
467	In-plane magnetization behaviors in the Shastry-Sutherland system TbB ₄ : Monte Carlo simulation. <i>Journal of Applied Physics</i> , 2015, 117, 17C104.	1.1	0
468	Soft mode characteristics of up-up-down-down spin chains: The role of exchange interactions on lattice dynamics. <i>Journal of Applied Physics</i> , 2015, 117, 17D920.	1.1	0

#	ARTICLE	IF	CITATIONS
469	Ferroelectricity and competing interactions in Ho-deficient non-stoichiometric orthorhombic HoMnO ₃ . Journal of Applied Physics, 2015, 117, .	1.1	0
470	Unusual enhancement of multiferroicity in YMn ₂ xTi _x O ₅ due to ferroelectrically active TiO ₆ oxygen octahedral units. Journal of Applied Physics, 2015, 117, .	1.1	0
471	Abnormal colossal electroresistance in Ru-doped La _{0.225} Pr _{0.4} Ca _{0.375} MnO ₃ . Journal of Applied Physics, 2015, 117, 17C722.	1.1	0
472	Multiferroicity in Perovskite Manganite Superlattice. Communications in Theoretical Physics, 2016, 66, 244-248.	1.1	0
473	Single-Phase Type-II Multiferroics. Series in Materials Science and Engineering, 2016, , 99-137.	0.1	0
474	Metallic Nanonetworks: A Practical ITO Replacement Strategy: Sputtering-Free Processing of a Metallic Nanonetwork (Adv. Mater. Technol. 8/2017). Advanced Materials Technologies, 2017, 2, .	3.0	0
475	Structural, magnetic, and dielectric properties of charge-order phases in manganite La(Ca _{0.8} Sr _{0.2}) ₂ Mn ₂ O ₇ . Journal of Applied Physics, 2020, 127, 104104.	1.1	0
476	Deviation from universal dielectric response in CaCu ₃ Ti ₄ O ₁₂ . AIP Advances, 2021, 11, 035124.	0.6	0
477	Sr-doping effects on conductivity, charge transport, and ferroelectricity of Ba _{0.7} La _{0.3} TiO ₃ epitaxial thin films*. Chinese Physics B, 2021, 30, 027701.	0.7	0
478	The equivalence of thermodynamic potentials for ferroelectric thin films. Journal of Applied Physics, 2021, 130, 144103.	1.1	0
479	Unusual enhancement of multiferroicity in YMn ₂ xTi _x O ₅ due to ferroelectrically active TiO ₆ oxygen octahedral units. Journal of Applied Physics, 2015, 117, 17D923.	1.1	0
480	Structural origin of the J _{eff} =1/2 antiferromagnetic phase in Ga-doped Sr ₂ IrO ₄ . Physical Review Materials, 2021, 5, .	0.9	0
481	Incommensurate-commensurate magnetic phase transition in the double tungstate Li ₂ Co(WO ₄) ₂ . Chinese Physics B, 0, , .	0.7	0
482	Giant modulation of photoluminescence in CsPbBr ₃ films through polarization switching of PMN-PT. Applied Physics Letters, 2021, 119, 252903.	1.5	0