

Junling Wang

List of Publications by Year in descending order

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171
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29994

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174
all docs

174
docs citations

174
times ranked

15473
citing authors

#	ARTICLE	IF	CITATIONS
1	Epitaxial BiFeO ₃ Multiferroic Thin Film Heterostructures. Science, 2003, 299, 1719-1722.	6.0	5,548
2	Multiferroic BaTiO ₃ -CoFe ₂ O ₄ Nanostructures. Science, 2004, 303, 661-663.	6.0	2,051
3	Room-temperature ferroelectricity in CuInP ₂ S ₆ ultrathin flakes. Nature Communications, 2016, 7, 12357.	5.8	637
4	Dramatically enhanced polarization in (001), (101), and (111) BiFeO ₃ thin films due to epitaxial-induced transitions. Applied Physics Letters, 2004, 84, 5261-5263.	1.5	558
5	Non-volatile memory based on the ferroelectric photovoltaic effect. Nature Communications, 2013, 4, 1990.	5.8	394
6	Destruction of spin cycloid in (111)c-oriented BiFeO ₃ thin films by epitaxial constraint: Enhanced polarization and release of latent magnetization. Applied Physics Letters, 2005, 86, 032511.	1.5	358
7	Epitaxial BiFeO ₃ thin films on Si. Applied Physics Letters, 2004, 85, 2574-2576.	1.5	249
8	Low-symmetry Monoclinic Phases and Polarization Rotation Path Mediated by Epitaxial Strain in Multiferroic BiFeO ₃ Thin Films. Advanced Functional Materials, 2011, 21, 133-138.	7.8	229
9	All-Carbon Electronic Devices Fabricated by Directly Grown Single-Walled Carbon Nanotubes on Reduced Graphene Oxide Electrodes. Advanced Materials, 2010, 22, 3058-3061.	11.1	201
10	Spin pinning effect to reconstructed oxyhydroxide layer on ferromagnetic oxides for enhanced water oxidation. Nature Communications, 2021, 12, 3634.	5.8	186
11	Effective doping of single-layer graphene from underlying SiO_2 . Physical Review B, 2009, 79, .	1.1	173
12	Self-assembled single-crystal ferromagnetic iron nanowires formed by decomposition. Nature Materials, 2004, 3, 533-538.	13.3	165
13	Giant photostriction in organic-inorganic lead halide perovskites. Nature Communications, 2016, 7, 11193.	5.8	164
14	Origin of giant negative piezoelectricity in a layered van der Waals ferroelectric. Science Advances, 2019, 5, eaav3780.	4.7	157
15	Enhancing ferroelectric photovoltaic effect by polar order engineering. Science Advances, 2018, 4, eaat3438.	4.7	152
16	Universal Ferroelectric Switching Dynamics of Vinylidene Fluoride-trifluoroethylene Copolymer Films. Scientific Reports, 2014, 4, 4772.	1.6	149
17	Van der Waals negative capacitance transistors. Nature Communications, 2019, 10, 3037.	5.8	144
18	Low symmetry phase in (001) BiFeO ₃ epitaxial constrained thin films. Applied Physics Letters, 2005, 86, 182905.	1.5	139

#	ARTICLE	IF	CITATIONS
19	Inverse opal structured Ag/TiO ₂ plasmonic photocatalyst prepared by pulsed current deposition and its enhanced visible light photocatalytic activity. Journal of Materials Chemistry A, 2014, 2, 824-832.	5.2	133
20	Three-dimensional heteroepitaxy in self-assembled BaTiO ₃ /CoFe ₂ O ₄ nanostructures. Applied Physics Letters, 2004, 85, 2035-2037.	1.5	132
21	Tuning Bifunctional Oxygen Electrocatalysts by Changing the Site Rare Earth Element in Perovskite Nickelates. Advanced Functional Materials, 2018, 28, 1803712.	7.8	122
22	Visible Light Responsive Perovskite BiFeO ₃ Pills and Rods with Dominant {111} Facets. Crystal Growth and Design, 2011, 11, 1049-1053.	1.4	115
23	Oxygen Vacancy Induced Room-Temperature Metal-Insulator Transition in Nickelate Films and Its Potential Application in Photovoltaics. ACS Applied Materials & Interfaces, 2016, 8, 9769-9776.	4.0	103
24	Influence of oxygen pressure on the ferroelectric properties of epitaxial BiFeO ₃ films by pulsed laser deposition. Physical Review B, 2009, 80, .	1.1	101
25	Coexistence of ferroelectric triclinic phases in highly strained BiFeO ₃ films. Physical Review B, 2011, 84, .	1.1	99
26	Enhanced cooling capacities of ferroelectric materials at morphotropic phase boundaries. Applied Physics Letters, 2011, 98, .	1.5	94
27	Continuously controllable photoconductance in freestanding BiFeO ₃ by the macroscopic flexoelectric effect. Nature Communications, 2020, 11, 2571.	5.8	93
28	Anomalous polarization switching and permanent retention in a ferroelectric ionic conductor. Materials Horizons, 2020, 7, 263-274.	6.4	88
29	Ferroelastic-switching-driven large shear strain and piezoelectricity in a hybrid ferroelectric. Nature Materials, 2021, 20, 612-617.	13.3	87
30	Chemoselective Photodeoxidization of Graphene Oxide Using Sterically Hindered Amines as Catalyst: Synthesis and Applications. ACS Nano, 2012, 6, 3027-3033.	7.3	82
31	Switchable photovoltaic response from polarization modulated interfaces in BiFeO ₃ thin films. Applied Physics Letters, 2014, 104, .	1.5	76
32	In-plane Ferroelectricity in Thin Flakes of Van der Waals Hybrid Perovskite. Advanced Materials, 2018, 30, e1803249.	11.1	76
33	Nanoscale domains in strained epitaxial BiFeO ₃ thin Films on LaSrAlO ₄ substrate. Applied Physics Letters, 2010, 96, 252903.	1.5	75
34	Thickness-dependent magnetism and spin-glass behaviors in compressively strained BiFeO ₃ thin films. Applied Physics Letters, 2011, 98, .	1.5	73
35	Evidences for the depletion region induced by the polarization of ferroelectric semiconductors. Applied Physics Letters, 2009, 95, .	1.5	72
36	Characterization and Manipulation of Mixed Phase Nanodomains in Highly Strained BiFeO ₃ Thin Films. ACS Nano, 2012, 6, 5388-5394.	7.3	72

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37	Mechanism of Polarization Fatigue in BiFeO ₃ . ACS Nano, 2012, 6, 8997-9004.	7.3	71
38	Van der Waals layered ferroelectric CuInP2S6: Physical properties and device applications. Frontiers of Physics, 2021, 16, 1.	2.4	70
39	Density functional theory plus U study of vacancy formations in bismuth ferrite. Applied Physics Letters, 2010, 96, .	1.5	69
40	Oxygen-driven anisotropic transport in ultra-thin manganite films. Nature Communications, 2013, 4, 2778.	5.8	68
41	Solution-processed resistive switching memory devices based on hybrid organic-inorganic materials and composites. Physical Chemistry Chemical Physics, 2018, 20, 23837-23846.	1.3	68
42	Strain Effect on Oxygen Evolution Reaction Activity of Epitaxial NdNiO ₃ Thin Films. ACS Applied Materials & Interfaces, 2019, 11, 12941-12947.	4.0	67
43	Toward High-Performance Solution-Processed Carbon Nanotube Network Transistors by Removing Nanotube Bundles. Journal of Physical Chemistry C, 2008, 112, 12089-12091.	1.5	64
44	Carbon quantum dots coated BiVO ₄ inverse opals for enhanced photoelectrochemical hydrogen generation. Applied Physics Letters, 2015, 106, .	1.5	64
45	CdS sensitized 3D hierarchical TiO ₂ /ZnO heterostructure for efficient solar energy conversion. Scientific Reports, 2014, 4, 5721.	1.6	64
46	Enhanced ferroelectric photoelectrochemical properties of polycrystalline BiFeO ₃ film by decorating with Ag nanoparticles. Applied Physics Letters, 2016, 108, .	1.5	64
47	Systematic variations in structural and electronic properties of BiFeO ₃ by A-site substitution. Applied Physics Letters, 2010, 96, .	1.5	63
48	Effect of high-frequency modes on singlet fission dynamics. Journal of Chemical Physics, 2017, 146, 044101.	1.2	61
49	Magneto-mechanical coupling effect in amorphous Co ₄₀ Fe ₄₀ B ₂₀ films grown on flexible substrates. Applied Physics Letters, 2014, 105, .	1.5	60
50	Density functional theory analysis of dopants in cupric oxide. Journal of Applied Physics, 2012, 111, .	1.1	57
51	General Route to ZnO Nanorod Arrays on Conducting Substrates via Galvanic-cell-based approach. Scientific Reports, 2013, 3, 2434.	1.6	57
52	2D Black Phosphorus/SrTiO ₃ -Based Programmable Photoconductive Switch. Advanced Materials, 2016, 28, 7768-7773.	11.1	57
53	Photovoltaic property of BiFeO ₃ thin films with 109° domains. Applied Physics Letters, 2011, 99, .	1.5	56
54	Self-Assembled Shape- and Orientation-Controlled Synthesis of Nanoscale Cu ₃ Si Triangles, Squares, and Wires. Nano Letters, 2008, 8, 3205-3210.	4.5	55

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55	Ferroelectric BiFeO ₃ as an Oxide Dye in Highly Tunable Mesoporous All-Oxide Photovoltaic Heterojunctions. <i>Small</i> , 2017, 13, 1602355.	5.2	53
56	Uniaxial Magnetic Anisotropy in La _{0.7} Sr _{0.3} MnO ₃ Thin Films Induced by Multiferroic BiFeO ₃ with Striped Ferroelectric Domains. <i>Advanced Materials</i> , 2010, 22, 4964-4968.	11.1	52
57	Charge trapping-detrapping induced resistive switching in Ba _{0.7} Sr _{0.3} TiO ₃ . <i>AIP Advances</i> , 2012, 2, .	0.6	50
58	Study of strain effect on in-plane polarization in epitaxial BiFeO ₃ thin films using planar electrodes. <i>Physical Review B</i> , 2012, 86, .	1.1	49
59	Nonvolatile Resistive Switching in Pt/LaAlO ₃ /Pt Heterostructures. <i>Physical Review X</i> , 2013, 3, .	1.1	49
60	Enhanced ferromagnetism at the rhombohedral-tetragonal phase boundary in Pr and Mn co-substituted powders. <i>Solid State Communications</i> , 2010, 150, 2081-2084.	0.9	48
61	Structure, ferroelectric and piezoelectric properties of multiferroic Bi _{0.875} Sm _{0.125} FeO ₃ ceramics. <i>Journal of Alloys and Compounds</i> , 2012, 541, 173-176.	2.8	47
62	Flexible organic ferroelectric films with a large piezoelectric response. <i>NPG Asia Materials</i> , 2015, 7, e189-e189.	3.8	47
63	Low symmetry monoclinic MC phase in epitaxial BiFeO ₃ thin films on LaSrAlO ₄ substrates. <i>Applied Physics Letters</i> , 2010, 97, 242903.	1.5	46
64	Enhanced Photoelectrochemical Performance in Reduced Graphene Oxide/BiFeO ₃ Heterostructures. <i>Small</i> , 2017, 13, 1603457.	5.2	46
65	Abnormal Poisson's ratio and Linear Compressibility in Perovskite Materials. <i>Advanced Materials</i> , 2012, 24, 4170-4174.	11.1	45
66	Thermally Induced Reversible Double Phase Transitions in an Organic-Inorganic Hybrid Iodoplumbate C ₄ H ₁₂ NPb ₃ with Symmetry Breaking. <i>Inorganic Chemistry</i> , 2016, 55, 8025-8030.	1.9	45
67	Strain effects and thickness dependence of ferroelectric properties in epitaxial BiFeO ₃ thin films. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	40
68	Large tensile-strain-induced monoclinic M ₂ B phase in BiFeO ₃ epitaxial thin films on a PrScO ₃ substrate. <i>Applied Physics Letters</i> , 2008, 92, .	1.1	40
69	dc leakage behavior and conduction mechanism in (BiFeO ₃) _m (SrTiO ₃) _m superlattices. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	39
70	Influence of pulsed laser deposition rate on the microstructure and thermoelectric properties of Ca ₃ Co ₄ O ₉ thin films. <i>Journal of Crystal Growth</i> , 2009, 311, 4123-4128.	0.7	38
71	Competition between strain and dimensionality effects on the electronic phase transitions in NdNiO ₃ films. <i>Scientific Reports</i> , 2016, 5, 18707.	1.6	38
72	Origin of the uniaxial magnetic anisotropy in La _{0.7} Sr _{0.3} MnO ₃ thin films. <i>Physical Review B</i> , 2012, 86, .	1.1	37

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73	Flexible artificial synapse based on single-crystalline BiFeO ₃ thin film. Nano Research, 2022, 15, 2682-2688.	5.8	37
74	Low-temperature crystallized pyrochlore bismuth zinc niobate thin films by excimer laser annealing. Applied Physics Letters, 2005, 87, 232905.	1.5	36
75	Oxygen vacancy motion in Er-doped barium strontium titanate thin films. Applied Physics Letters, 2006, 89, 172906.	1.5	36
76	Strain-driven phase transitions and associated dielectric/piezoelectric anomalies in BiFeO ₃ thin films. Applied Physics Letters, 2010, 97, .	1.5	35
77	Quantifying thickness-dependent charge mediated magnetoelectric coupling in magnetic/dielectric thin film heterostructures. Applied Physics Letters, 2013, 103, .	1.5	35
78	Self-powered sensitive and stable UV-visible photodetector based on GdNiO ₃ /Nb-doped SrTiO ₃ heterojunctions. Applied Physics Letters, 2017, 110, .	1.5	35
79	Transparent, Flexible, Fatigue-Free, Optical-Read, and Nonvolatile Ferroelectric Memories. ACS Applied Materials & Interfaces, 2019, 11, 35169-35176.	4.0	35
80	Positive temperature coefficient of magnetic anisotropy in polyvinylidene fluoride (PVDF)-based magnetic composites. Scientific Reports, 2014, 4, 6615.	1.6	34
81	Study of Microstructure in SrTiO ₃ /Si by High-resolution Transmission Electron Microscopy. Journal of Materials Research, 2002, 17, 204-213.	1.2	33
82	A magnetically responsive material of single-walled carbon nanotubes functionalized with magnetic ionic liquid. Carbon, 2010, 48, 2501-2505.	5.4	33
83	Coexistence of ferroelectric vortex domains and charged domain walls in epitaxial BiFeO ₃ film on (110)O GdScO ₃ substrate. Journal of Applied Physics, 2012, 111, .	1.1	33
84	A universal method for rapid and large-scale growth of layered crystals. SmartMat, 2020, 1, e1011.	6.4	33
85	Electrochemically Driven Giant Resistive Switching in Perovskite Nickelates Heterostructures. Advanced Electronic Materials, 2017, 3, 1700321.	2.6	32
86	Temperature-dependent tunneling electroresistance in Pt/BaTiO ₃ /SrRuO ₃ ferroelectric tunnel junctions. Applied Physics Letters, 2013, 103, .	1.5	31
87	Photovoltaic property of domain engineered epitaxial BiFeO ₃ films. Applied Physics Letters, 2014, 105, .	1.5	31
88	Ferroelectric Polarization Switching Dynamics and Domain Growth of Triglycine Sulfate and Imidazolium Perchlorate. Advanced Electronic Materials, 2016, 2, 1600038.	2.6	31
89	Work function engineering of electrodes via electropolymerization of ethylenedioxythiophenes and its derivatives. Organic Electronics, 2008, 9, 859-863.	1.4	30
90	Multiferroic properties of (Bi _{1-x} Prx)(Fe _{0.95} Mn _{0.05})O ₃ thin films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 990-995.	1.7	30

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91	Phenomenological analysis of domain width in rhombohedral BiFeO_3 thin films. Physical Review B, 2009, 80, .	1.1	29
92	Origin of hysteresis in the transfer characteristic of carbon nanotube field effect transistor. Journal Physics D: Applied Physics, 2011, 44, 285301.	1.3	29
93	First-principles prediction of a two dimensional electron gas at the $\text{BiFeO}_3/\text{SrTiO}_3$ interface. Applied Physics Letters, 2011, 99, 062902.	1.5	28
94	Photocurrent generation in Cu_2O thin films deposited by radio frequency sputtering. Applied Physics Letters, 2013, 102, .	1.5	28
95	Effect of lanthanum doping on tetragonal-like BiFeO_3 thin films with mixed-phase domain structures. Physical Review B, 2014, 90, .	1.1	28
96	Investigation of the metal-insulator transition in NdNiO_3 films by site-selective X-ray absorption spectroscopy. Nanoscale, 2017, 9, 6094-6102.	2.8	28
97	Single-Crystal Hybrid Perovskite Platelets on Graphene: A Mixed-Dimensional Van Der Waals Heterostructure with Strong Interface Coupling. Advanced Functional Materials, 2020, 30, 1909672.	7.8	28
98	Anisotropic optical properties of rhombohedral and tetragonal thin film BiFeO_3 with BiFeO_3 sublayers. Physical Review B, 2015, 92, .	1.1	27
99	Temperature-dependent leakage current characteristics of Pr and Mn cosubstituted BiFeO_3 thin films. Applied Physics Letters, 2010, 96, 202904.	1.5	26
100	Polarization switching in quasiplanar BiFeO_3 capacitors. Applied Physics Letters, 2010, 97, .	1.5	26
101	Enhanced low field magnetoresistance in nanocrystalline $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ synthesized on MgO nanowires. Applied Physics Letters, 2010, 96, 222501.	1.5	24
102	Superconducting gap induced barrier enhancement in a BiFeO_3 -based heterostructure. Applied Physics Letters, 2010, 97, .	1.5	24
103	Growth, crystal structure, and properties of epitaxial BiScO_3 thin films. Journal of Applied Physics, 2008, 104, .	1.1	23
104	Charge injection at carbon nanotube- SiO_2 interface. Applied Physics Letters, 2008, 93, 093509.	1.5	23
105	Mechanism of polarization fatigue in BiFeO_3 : The role of Schottky barrier. Applied Physics Letters, 2014, 104, 012903.	1.5	23
106	Domain structure and in-plane switching in a highly strained $\text{Bi}_{0.9}\text{Sm}_{0.1}\text{FeO}_3$ film. Applied Physics Letters, 2011, 99, 222904.	1.5	22
107	Band gap tuning of nickelates for photovoltaic applications. Journal Physics D: Applied Physics, 2016, 49, 44LT02.	1.3	22
108	β -Phase poly(vinylidene fluoride) films encouraged more homogeneous cell distribution and more significant deposition of fibronectin towards the cell-material interface compared to α -phase poly(vinylidene fluoride) films. Materials Science and Engineering C, 2014, 34, 345-353.	3.8	21

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109	Tuning magnetic anisotropy of amorphous CoFeB film by depositing on convex flexible substrates. AIP Advances, 2016, 6, .	0.6	21
110	Canary Replica Feedback for Near-DRV Standby V_{DD} Scaling in a 90nm SRAM. , 2007, , .		20
111	Unraveling how electronic and spin structures control macroscopic properties of manganite ultra-thin films. NPC Asia Materials, 2015, 7, e196-e196.	3.8	20
112	Construction of nanowire CH ₃ NH ₃ PbI ₃ -based solar cells with 17.62% efficiency by solvent etching technique. Solar Energy Materials and Solar Cells, 2017, 167, 173-177.	3.0	20
113	Polarization-Mediated Thermal Stability of Metal/Oxide Heterointerface. Advanced Materials, 2015, 27, 6934-6938.	11.1	19
114	Bubble nucleation and migration in a lead-iron hydr(oxide) core-shell nanoparticle. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 12928-12932.	3.3	19
115	Band alignment and electrocatalytic activity at the p/n La _{0.88} Sr _{0.12} FeO ₃ /SrTiO ₃ (001) heterojunction. Applied Physics Letters, 2018, 112, .	1.5	18
116	Photoconductivity from Carbon Nanotube Transistors Activated by Photosensitive Polymers. Journal of Physical Chemistry C, 2008, 112, 18201-18206.	1.5	17
117	Tuning Photovoltaic Performance of Perovskite Nickelates Heterostructures by Changing the A-Site Rare-Earth Element. ACS Applied Materials & Interfaces, 2019, 11, 16191-16197.	4.0	16
118	Understanding Asymmetric Transportation Behavior in Graphene Field-Effect Transistors Using Scanning Kelvin Probe Microscopy. IEEE Electron Device Letters, 2011, 32, 128-130.	2.2	15
119	Growth of (111)-oriented BaTiO ₃ -Bi(Mg _{0.5} Ti _{0.5})O ₃ epitaxial films and their crystal structure and electrical property characterizations. Journal of Applied Physics, 2012, 111, .	1.1	15
120	Open-cell poly(vinylidene fluoride) foams with polar phase for enhanced airborne sound absorption. Applied Physics Letters, 2018, 113, 092903.	1.5	14
121	Influence of target composition and deposition temperature on the domain structure of BiFeO ₃ thin films. AIP Advances, 2012, 2, .	0.6	13
122	A first-principles study of oxygen vacancy induced changes in structural, electronic and magnetic properties of La _{2/3} Sr _{1/3} MnO ₃ . Journal of Alloys and Compounds, 2015, 649, 973-980.	2.8	13
123	Voltage-Controlled Oxygen Non-Stoichiometry in SrCoO _{3-δ} Thin Films. Chemistry of Materials, 2019, 31, 6117-6123.	3.2	13
124	Low-voltage organic ferroelectric field effect transistors using Langmuir-Schaefer films of poly(vinylidene fluoride-trifluoroethylene). Organic Electronics, 2009, 10, 145-151.	1.4	12
125	Orientation dependence of electrocaloric effects in Pb(Zn _{1/3} Nb _{2/3})-PbTiO ₃ single crystals. AIP Advances, 2013, 3, 072118.	0.6	12
126	Pulsed laser deposition of Sr ₂ FeMoO ₆ thin films grown on spark plasma sintered Sr ₂ MgWO ₆ substrates. Journal Physics D: Applied Physics, 2017, 50, 235301.	1.3	12

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127	2D Magnetic Mesocrystals for Bit Patterned Media. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800997.	1.9	12
128	Giant Bulk Photostriction and Accurate Photomechanical Actuation in Hybrid Perovskites. <i>Advanced Optical Materials</i> , 2021, 9, 2100837.	3.6	12
129	N-type behavior of ferroelectric-gate carbon nanotube network transistor. <i>Applied Physics Letters</i> , 2008, 93, 082103.	1.5	11
130	Domain tuning in mixed-phase BiFeO ₃ thin films using vicinal substrates. <i>Applied Physics Letters</i> , 2012, 100, 202901.	1.5	11
131	Electric-field control of magnetic properties of CoFe ₂ O ₄ films on Pb(Mg _{1/3} Nb _{2/3})O ₃ ∕PbTiO ₃ substrate. <i>Thin Solid Films</i> , 2012, 522, 420-424.	0.8	11
132	Structure and piezoelectric properties of BiFeO ₃ and Bi _{0.92} Dy _{0.08} FeO ₃ multiferroics at high temperature. <i>Solid State Communications</i> , 2012, 152, 1194-1198.	0.9	11
133	The path to flexible ferroelectrics: Approaches and progress. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 0902A3.	0.8	11
134	Properties of (K,Na)NbO ₃ -based lead-free piezoelectric films prepared by pulsed laser deposition. <i>Thin Solid Films</i> , 2010, 518, 6777-6780.	0.8	10
135	Enhanced visible light photocatalytic properties of TiO ₂ thin films on the textured multicrystalline silicon wafers. <i>Journal of Materials Chemistry A</i> , 2015, 3, 4903-4908.	5.2	10
136	Enhanced airborne sound absorption effect in poly(vinylidene fluoride)/K _{0.5} Bi _{0.5} X ₂ (fluoride) (X = Ba, Sr, Ca, Pb) multiferroic thin films. <i>Applied Polymer Science</i> , 2020, 137, 49022.	1.3	10
137	Nanoscale phase separation in quasi-uniaxial and biaxial strained multiferroic thin films. <i>Applied Physics Letters</i> , 2011, 99, 132905.	1.5	9
138	Temperature-driven evolution of hierarchical nanodomain structure in tetragonal-like BiFeO ₃ films. <i>Applied Physics Letters</i> , 2012, 100, .	1.5	9
139	Strain assisted electrocaloric effect in PbZr _{0.95} Ti _{0.05} O ₃ films on 0.7Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.3PbTiO ₃ substrate. <i>Scientific Reports</i> , 2015, 5, 16164.	1.6	9
140	Large magnetoresistance at high bias voltage in double-layer organic spin valves. <i>Organic Electronics</i> , 2015, 26, 314-318.	1.4	9
141	Open-cell P(VDF-TrFE)/MWCNT nanocomposite foams with local piezoelectric and conductive effects for passive airborne sound absorption. <i>Journal of Applied Physics</i> , 2020, 127, .	1.1	9
142	Highly Conductive Protonated Layered Oxides from H ₂ O Vapor-Annealed Brownmillerites. <i>Advanced Materials</i> , 2021, 33, e2104623.	11.1	9
143	A modified scaling law for 180° stripe domains in ferroic thin films. <i>Journal of Applied Physics</i> , 2009, 105, 061601.	1.1	8
144	Unusual 90° domain structure in (2/3)Bi(Zn _{1/2} Ti _{1/2})O ₃ -(1/3)BiFeO ₃ epitaxial films with giant 22% tetragonal distortion. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	8

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145	Spin Hall Magnetoresistance in CoFe ₂ O ₄ /Pt Films. IEEE Transactions on Magnetics, 2015, 51, 1-4.	1.2	8
146	Construction of high performance CH ₃ NH ₃ PbI ₃ -based solar cells by hot-casting technique. Solar Energy Materials and Solar Cells, 2017, 163, 120-124.	3.0	8
147	Localization-driven metal-insulator transition in epitaxial hole-doped Nd _{1-x} Sr _x NiO ₃ ultrathin films. Journal of Physics Condensed Matter, 2017, 29, 025002.	0.7	8
148	Ultrafast electron-phonon coupling and photo-induced strain in the morphotropic phase boundary of Bi _x Dy _{1-x} FeO ₃ films. Scientific Reports, 2018, 8, 3258.	1.6	8
149	Strain-Tunable Interfacial Dzyaloshinskii-Moriya Interaction and Spin-Hall Topological Hall Effect in Pt/Tm ₃ Fe ₅ O ₁₂ Heterostructures. ACS Applied Materials & Interfaces, 2022, 14, 16791-16799.	4.0	8
150	Illumination-Enhanced Hysteresis of Transistors Based on Carbon Nanotube Networks. Journal of Physical Chemistry C, 2009, 113, 4745-4747.	1.5	7
151	Stability and crossover of 71Å and 109Å domains influenced by the film thickness and depolarization field in rhombohedral ferroelectric thin films. Journal of Applied Physics, 2011, 110, .	1.1	7
152	Nanoscale phase mixture in uniaxial strained BiFeO ₃ (110) thin films. Journal of Applied Physics, 2015, 118, .	1.1	6
153	Crossover between Bulk and Interface Photovoltaic Mechanisms in a Ferroelectric Vertical Heterostructure. Physical Review Applied, 2022, 17, .	1.5	6
154	Study of Charge Diffusion at the Carbon Nanotube-SiO ₂ Interface by Electrostatic Force Microscopy. Journal of Physical Chemistry C, 2009, 113, 15476-15479.	1.5	5
155	Nanoscale polarization relaxation of epitaxial BiFeO ₃ thin film. Thin Solid Films, 2010, 518, e169-e173.	0.8	5
156	Ab-initio study of donor-acceptor codoping for n-type CuO. Journal of Applied Physics, 2014, 116, 163704.	1.1	5
157	Modulation of Manganite Nanofilm Properties Mediated by Strong Influence of Strontium Titanate Excitons. ACS Applied Materials & Interfaces, 2018, 10, 35563-35570.	4.0	5
158	Dielectric dynamics of epitaxial BiFeO ₃ thin films. AIP Advances, 2012, 2, .	0.6	4
159	Unusual anisotropic magnetoresistance in charge-orbital ordered Nd _{0.5} Sr _{0.5} MnO ₃ polycrystals. Journal of Applied Physics, 2014, 116, .	1.1	4
160	Spin-valve-like magnetoresistance in a Ni-Mn-In thin film. Physical Review B, 2018, 97, .	1.1	4
161	Strong Optical, Electrical, and Raman in-Plane Anisotropy in Corrugated Two-Dimensional Perovskite. Journal of Physical Chemistry C, 2021, 125, 22630-22642.	1.5	4
162	Improper multiferroiclike transition in a metal. Physical Review B, 2022, 105, .	1.1	4

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163	Development of Lead-Free Piezoceramic. Solid State Phenomena, 0, 136, 63-66.	0.3	3
164	Temperature controlled c axis elongated low symmetry phase BiFeO ₃ thin film on STO substrate. AIP Advances, 2013, 3, 012110.	0.6	3
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