

# Junling Wang

## List of Publications by Citations

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166  
papers

14,321  
citations

47  
h-index

118  
g-index

174  
ext. papers

15,711  
ext. citations

7.1  
avg, IF

5.87  
L-index

#	Paper	IF	Citations
166	Epitaxial BiFeO <sub>3</sub> multiferroic thin film heterostructures. <i>Science</i> , <b>2003</b> , 299, 1719-22	33.3	4944
165	Multiferroic BaTiO <sub>3</sub> -CoFe <sub>2</sub> O <sub>4</sub> Nanostructures. <i>Science</i> , <b>2004</b> , 303, 661-3	33.3	1872
164	Dramatically enhanced polarization in (001), (101), and (111) BiFeO <sub>3</sub> thin films due to epitaxial-induced transitions. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 5261-5263	3.4	513
163	Room-temperature ferroelectricity in CuInP <sub>2</sub> S <sub>6</sub> ultrathin flakes. <i>Nature Communications</i> , <b>2016</b> , 7, 12357	17.4	355
162	Destruction of spin cycloid in (111)c-oriented BiFeO <sub>3</sub> thin films by epitaxial constraint: Enhanced polarization and release of latent magnetization. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 032511	3.4	327
161	Non-volatile memory based on the ferroelectric photovoltaic effect. <i>Nature Communications</i> , <b>2013</b> , 4, 1990	17.4	319
160	Epitaxial BiFeO <sub>3</sub> thin films on Si. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 2574-2576	3.4	227
159	Low-Symmetry Monoclinic Phases and Polarization Rotation Path Mediated by Epitaxial Strain in Multiferroic BiFeO <sub>3</sub> Thin Films. <i>Advanced Functional Materials</i> , <b>2011</b> , 21, 133-138	15.6	216
158	All-carbon electronic devices fabricated by directly grown single-walled carbon nanotubes on reduced graphene oxide electrodes. <i>Advanced Materials</i> , <b>2010</b> , 22, 3058-61	24	186
157	Effective doping of single-layer graphene from underlying SiO <sub>2</sub> substrates. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	160
156	Self-assembled single-crystal ferromagnetic iron nanowires formed by decomposition. <i>Nature Materials</i> , <b>2004</b> , 3, 533-8	27	154
155	Universal ferroelectric switching dynamics of vinylidene fluoride-trifluoroethylene copolymer films. <i>Scientific Reports</i> , <b>2014</b> , 4, 4772	4.9	126
154	Low symmetry phase in (001) BiFeO <sub>3</sub> epitaxial constrained thin films. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 182905	3.4	126
153	Three-dimensional heteroepitaxy in self-assembled BaTiO <sub>3</sub> /CoFe <sub>2</sub> O <sub>4</sub> nanostructures. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 2035-2037	3.4	125
152	Giant photostriction in organic-inorganic lead halide perovskites. <i>Nature Communications</i> , <b>2016</b> , 7, 11193	17.4	119
151	Inverse opal structured Ag/TiO <sub>2</sub> plasmonic photocatalyst prepared by pulsed current deposition and its enhanced visible light photocatalytic activity. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 824-832	13	119
150	Visible Light Responsive Perovskite BiFeO <sub>3</sub> Pills and Rods with Dominant {111}c Facets. <i>Crystal Growth and Design</i> , <b>2011</b> , 11, 1049-1053	3.5	106

149	Coexistence of ferroelectric triclinic phases in highly strained BiFeO <sub>3</sub> films. <i>Physical Review B</i> , <b>2011</b> , 84,	3.3	92
148	Influence of oxygen pressure on the ferroelectric properties of epitaxial BiFeO <sub>3</sub> thin films by pulsed laser deposition. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	92
147	Enhancing ferroelectric photovoltaic effect by polar order engineering. <i>Science Advances</i> , <b>2018</b> , 4, eaat3428	3.3	88
146	Enhanced cooling capacities of ferroelectric materials at morphotropic phase boundaries. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 242902	3.4	85
145	Oxygen Vacancy Induced Room-Temperature Metal-Insulator Transition in Nickelate Films and Its Potential Application in Photovoltaics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 9769-76	9.5	81
144	Tuning Bifunctional Oxygen Electrocatalysts by Changing the A-Site Rare-Earth Element in Perovskite Nickelates. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1803712	15.6	78
143	Origin of giant negative piezoelectricity in a layered van der Waals ferroelectric. <i>Science Advances</i> , <b>2019</b> , 5, eaav3780	14.3	74
142	Chemoselective photodeoxidization of graphene oxide using sterically hindered amines as catalyst: synthesis and applications. <i>ACS Nano</i> , <b>2012</b> , 6, 3027-33	16.7	73
141	Van der Waals negative capacitance transistors. <i>Nature Communications</i> , <b>2019</b> , 10, 3037	17.4	71
140	Characterization and manipulation of mixed phase nanodomains in highly strained BiFeO <sub>3</sub> thin films. <i>ACS Nano</i> , <b>2012</b> , 6, 5388-94	16.7	71
139	Nanoscale domains in strained epitaxial BiFeO <sub>3</sub> thin Films on LaSrAlO <sub>4</sub> substrate. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 252903	3.4	71
138	Thickness-dependent magnetism and spin-glass behaviors in compressively strained BiFeO <sub>3</sub> thin films. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 242502	3.4	70
137	Evidences for the depletion region induced by the polarization of ferroelectric semiconductors. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 252904	3.4	68
136	Switchable photovoltaic response from polarization modulated interfaces in BiFeO <sub>3</sub> thin films. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 142903	3.4	62
135	Density functional theory plus U study of vacancy formations in bismuth ferrite. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 232906	3.4	62
134	Mechanism of polarization fatigue in BiFeO <sub>3</sub> . <i>ACS Nano</i> , <b>2012</b> , 6, 8997-9004	16.7	61
133	Toward High-Performance Solution-Processed Carbon Nanotube Network Transistors by Removing Nanotube Bundles. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 12089-12091	3.8	59
132	Systematic variations in structural and electronic properties of BiFeO <sub>3</sub> by A-site substitution. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 012905	3.4	57

131	Carbon quantum dots coated BiVO <sub>4</sub> inverse opals for enhanced photoelectrochemical hydrogen generation. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 153901	3-4	56
130	Photovoltaic property of BiFeO <sub>3</sub> thin films with 109° domains. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 122902	3-4	55
129	Effect of high-frequency modes on singlet fission dynamics. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 044101	3-4	52
128	Enhanced ferroelectric photoelectrochemical properties of polycrystalline BiFeO <sub>3</sub> film by decorating with Ag nanoparticles. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 022902	3-4	52
127	Solution-processed resistive switching memory devices based on hybrid organic-inorganic materials and composites. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 23837-23846	3-6	51
126	Self-assembled shape- and orientation-controlled synthesis of nanoscale Cu <sub>3</sub> Si triangles, squares, and wires. <i>Nano Letters</i> , <b>2008</b> , 8, 3205-10	11-5	50
125	CdS sensitized 3D hierarchical TiO <sub>2</sub> /ZnO heterostructure for efficient solar energy conversion. <i>Scientific Reports</i> , <b>2014</b> , 4, 5721	4-9	49
124	Oxygen-driven anisotropic transport in ultra-thin manganite films. <i>Nature Communications</i> , <b>2013</b> , 4, 2778	7-4	49
123	Magneto-mechanical coupling effect in amorphous Co <sub>40</sub> Fe <sub>40</sub> B <sub>20</sub> films grown on flexible substrates. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 103504	3-4	49
122	General route to ZnO nanorod arrays on conducting substrates via galvanic-cell-based approach. <i>Scientific Reports</i> , <b>2013</b> , 3, 2434	4-9	48
121	Enhanced ferromagnetism at the rhombohedral/tetragonal phase boundary in Pr and Mn co-substituted powders. <i>Solid State Communications</i> , <b>2010</b> , 150, 2081-2084	1-6	47
120	Uniaxial magnetic anisotropy in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> thin films induced by multiferroic BiFeO <sub>3</sub> with striped ferroelectric domains. <i>Advanced Materials</i> , <b>2010</b> , 22, 4964-8	2-4	45
119	In-Plane Ferroelectricity in Thin Flakes of Van der Waals Hybrid Perovskite. <i>Advanced Materials</i> , <b>2018</b> , 30, e1803249	2-4	45
118	Ferroelectric BiFeO as an Oxide Dye in Highly Tunable Mesoporous All-Oxide Photovoltaic Heterojunctions. <i>Small</i> , <b>2017</b> , 13, 1602355	1-11	44
117	Structure, ferroelectric and piezoelectric properties of multiferroic Bi <sub>0.875</sub> Sm <sub>0.125</sub> FeO <sub>3</sub> ceramics. <i>Journal of Alloys and Compounds</i> , <b>2012</b> , 541, 173-176	5-7	44
116	Density functional theory analysis of dopants in cupric oxide. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 103708	7-8	44
115	Low symmetry monoclinic MC phase in epitaxial BiFeO <sub>3</sub> thin films on LaSrAlO <sub>4</sub> substrates. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 242903	3-4	44
114	2D Black Phosphorus/SrTiO <sub>3</sub> -Based Programmable Photoconductive Switch. <i>Advanced Materials</i> , <b>2016</b> , 28, 7768-73	2-4	44

113	Study of strain effect on in-plane polarization in epitaxial BiFeO <sub>3</sub> thin films using planar electrodes. <i>Physical Review B</i> , <b>2012</b> , 86,	3-3	43
112	Nonvolatile Resistive Switching in Pt/LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Heterostructures. <i>Physical Review X</i> , <b>2013</b> , 3,	9-1	43
111	Flexible organic ferroelectric films with a large piezoelectric response. <i>NPG Asia Materials</i> , <b>2015</b> , 7, e189-189	9-1	39
110	Charge trapping-detrapping induced resistive switching in Ba <sub>0.7</sub> Sr <sub>0.3</sub> TiO <sub>3</sub> . <i>AIP Advances</i> , <b>2012</b> , 2, 032166-5	6-5	39
109	Strain effects and thickness dependence of ferroelectric properties in epitaxial BiFeO <sub>3</sub> thin films. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 182902	3-4	38
108	dc leakage behavior and conduction mechanism in (BiFeO <sub>3</sub> ) <sub>m</sub> (SrTiO <sub>3</sub> ) <sub>m</sub> superlattices. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 232905	3-4	37
107	Continuously controllable photoconductance in freestanding BiFeO by the macroscopic flexoelectric effect. <i>Nature Communications</i> , <b>2020</b> , 11, 2571	17-4	37
106	Strain Effect on Oxygen Evolution Reaction Activity of Epitaxial NdNiO Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 12941-12947	9-5	36
105	Abnormal Poisson's ratio and linear compressibility in perovskite materials. <i>Advanced Materials</i> , <b>2012</b> , 24, 4170-4	24	36
104	Enhanced Photoelectrochemical Performance in Reduced Graphene Oxide/BiFeO Heterostructures. <i>Small</i> , <b>2017</b> , 13, 1603457	11	35
103	Influence of pulsed laser deposition rate on the microstructure and thermoelectric properties of Ca <sub>3</sub> Co <sub>4</sub> O <sub>9</sub> thin films. <i>Journal of Crystal Growth</i> , <b>2009</b> , 311, 4123-4128	1-6	35
102	Strain-driven phase transitions and associated dielectric/piezoelectric anomalies in BiFeO <sub>3</sub> thin films. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 152901	3-4	34
101	Oxygen vacancy motion in Er-doped barium strontium titanate thin films. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 172906	3-4	34
100	Large tensile-strain-induced monoclinic MB phase in BiFeO <sub>3</sub> epitaxial thin films on a PrScO <sub>3</sub> substrate. <i>Physical Review B</i> , <b>2013</b> , 88,	3-3	33
99	Competition between strain and dimensionality effects on the electronic phase transitions in NdNiO <sub>3</sub> films. <i>Scientific Reports</i> , <b>2015</b> , 5, 18707	4-9	33
98	Origin of the uniaxial magnetic anisotropy in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> on stripe-domain BiFeO <sub>3</sub> . <i>Physical Review B</i> , <b>2013</b> , 88,	3-3	32
97	Coexistence of ferroelectric vortex domains and charged domain walls in epitaxial BiFeO <sub>3</sub> film on (110)O GdScO <sub>3</sub> substrate. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 104117	2-5	32
96	Low-temperature crystallized pyrochlore bismuth zinc niobate thin films by excimer laser annealing. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 232905	3-4	32

95	Anomalous polarization switching and permanent retention in a ferroelectric ionic conductor. <i>Materials Horizons</i> , <b>2020</b> , 7, 263-274	14.4	32
94	Thermally Induced Reversible Double Phase Transitions in an Organic-Inorganic Hybrid Iodoplumbate $C_4H_{12}NPbI_3$ with Symmetry Breaking. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 8025-30	5.1	31
93	A magnetically responsive material of single-walled carbon nanotubes functionalized with magnetic ionic liquid. <i>Carbon</i> , <b>2010</b> , 48, 2501-2505	10.4	31
92	Spin pinning effect to reconstructed oxyhydroxide layer on ferromagnetic oxides for enhanced water oxidation. <i>Nature Communications</i> , <b>2021</b> , 12, 3634	17.4	31
91	Study of Microstructure in $SrTiO_3/Si$ by High-resolution Transmission Electron Microscopy. <i>Journal of Materials Research</i> , <b>2002</b> , 17, 204-213	2.5	30
90	Quantifying thickness-dependent charge mediated magnetoelectric coupling in magnetic/dielectric thin film heterostructures. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 232906	3.4	29
89	Multiferroic properties of $(Bi_{1-x}Pr_x)(Fe_{0.95}Mn_{0.05})O_3$ thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2011</b> , 176, 990-995	3.1	29
88	Positive temperature coefficient of magnetic anisotropy in polyvinylidene fluoride (PVDF)-based magnetic composites. <i>Scientific Reports</i> , <b>2014</b> , 4, 6615	4.9	28
87	Ferroelastic-switching-driven large shear strain and piezoelectricity in a hybrid ferroelectric. <i>Nature Materials</i> , <b>2021</b> , 20, 612-617	27	28
86	Self-powered sensitive and stable UV-visible photodetector based on $GdNiO_3/Nb$ -doped $SrTiO_3$ heterojunctions. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 043504	3.4	27
85	Photovoltaic property of domain engineered epitaxial $BiFeO_3$ films. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 252903	3.4	27
84	Work function engineering of electrodes via electropolymerization of ethylenedioxythiophenes and its derivatives. <i>Organic Electronics</i> , <b>2008</b> , 9, 859-863	3.5	27
83	Temperature-dependent tunneling electroresistance in $Pt/BaTiO_3/SrRuO_3$ ferroelectric tunnel junctions. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 132913	3.4	26
82	Temperature-dependent leakage current characteristics of Pr and Mn cosubstituted $BiFeO_3$ thin films. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 202904	3.4	26
81	First-principles prediction of a two dimensional electron gas at the $BiFeO_3/SrTiO_3$ interface. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 062902	3.4	26
80	Ferroelectric Polarization Switching Dynamics and Domain Growth of Triglycine Sulfate and Imidazolium Perchlorate. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1600038	6.4	26
79	Polarization switching in quasiplanar $BiFeO_3$ capacitors. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 062910	3.4	25
78	Phenomenological analysis of domain width in rhombohedral $BiFeO_3$ films. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	24

77	A universal method for rapid and large-scale growth of layered crystals. <i>SmartMat</i> , <b>2020</b> , 1, e1011	22.8	23
76	Mechanism of polarization fatigue in BiFeO <sub>3</sub> : The role of Schottky barrier. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 012903	3.4	23
75	Origin of hysteresis in the transfer characteristic of carbon nanotube field effect transistor. <i>Journal Physics D: Applied Physics</i> , <b>2011</b> , 44, 285301	3	23
74	Enhanced low field magnetoresistance in nanocrystalline La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> synthesized on MgO nanowires. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 222501	3.4	23
73	Single-Crystal Hybrid Perovskite Platelets on Graphene: A Mixed-Dimensional Van Der Waals Heterostructure with Strong Interface Coupling. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 1909672	15.6	22
72	Effect of lanthanum doping on tetragonal-like BiFeO <sub>3</sub> with mixed-phase domain structures. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	22
71	Photocarrier generation in Cu <sub>x</sub> O thin films deposited by radio frequency sputtering. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 032101	3.4	22
70	Transparent, Flexible, Fatigue-Free, Optical-Read, and Nonvolatile Ferroelectric Memories. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 35169-35176	9.5	21
69	Anisotropic optical properties of rhombohedral and tetragonal thin film BiFeO <sub>3</sub> phases. <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	21
68	Superconducting gap induced barrier enhancement in a BiFeO <sub>3</sub> -based heterostructure. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 252905	3.4	21
67	Charge injection at carbon nanotube-SiO <sub>2</sub> interface. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 093509	3.4	21
66	Van der Waals layered ferroelectric CuInP <sub>2</sub> S <sub>6</sub> : Physical properties and device applications. <i>Frontiers of Physics</i> , <b>2021</b> , 16, 1	3.7	20
65	βPhase poly(vinylidene fluoride) films encouraged more homogeneous cell distribution and more significant deposition of fibronectin towards the cell-material interface compared to αphase poly(vinylidene fluoride) films. <i>Materials Science and Engineering C</i> , <b>2014</b> , 34, 345-53	8.3	19
64	Domain structure and in-plane switching in a highly strained Bi <sub>0.9</sub> Sm <sub>0.1</sub> FeO <sub>3</sub> film. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 222904	3.4	19
63	Growth, crystal structure, and properties of epitaxial BiScO <sub>3</sub> thin films. <i>Journal of Applied Physics</i> , <b>2008</b> , 104, 044102	2.5	19
62	Construction of nanowire CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> -based solar cells with 17.62% efficiency by solvent etching technique. <i>Solar Energy Materials and Solar Cells</i> , <b>2017</b> , 167, 173-177	6.4	18
61	Investigation of the metal-insulator transition in NdNiO films by site-selective X-ray absorption spectroscopy. <i>Nanoscale</i> , <b>2017</b> , 9, 6094-6102	7.7	18
60	Unraveling how electronic and spin structures control macroscopic properties of manganite ultra-thin films. <i>NPG Asia Materials</i> , <b>2015</b> , 7, e196-e196	10.3	18

59	Polarization-Mediated Thermal Stability of Metal/Oxide Heterointerface. <i>Advanced Materials</i> , <b>2015</b> , 27, 6934-8	24	17
58	Tuning magnetic anisotropy of amorphous CoFeB film by depositing on convex flexible substrates. <i>AIP Advances</i> , <b>2016</b> , 6, 056106	1.5	17
57	Band gap tuning of nickelates for photovoltaic applications. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 44LT02	3	16
56	Band alignment and electrocatalytic activity at the p-n La <sub>0.88</sub> Sr <sub>0.12</sub> FeO <sub>3</sub> /SrTiO <sub>3</sub> (001) heterojunction. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 261601	3.4	16
55	Photoconductivity from Carbon Nanotube Transistors Activated by Photosensitive Polymers. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 18201-18206	3.8	16
54	Electrochemically Driven Giant Resistive Switching in Perovskite Nickelates Heterostructures. <i>Advanced Electronic Materials</i> , <b>2017</b> , 3, 1700321	6.4	15
53	Growth of (111)-oriented BaTiO <sub>3</sub> Bi(Mg <sub>0.5</sub> Ti <sub>0.5</sub> )O <sub>3</sub> epitaxial films and their crystal structure and electrical property characterizations. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 084108	2.5	14
52	A first-principles study of oxygen vacancy induced changes in structural, electronic and magnetic properties of La <sub>2/3</sub> Sr <sub>1/3</sub> MnO <sub>3</sub> . <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 649, 973-980	5.7	13
51	Bubble nucleation and migration in a lead-iron hydr(oxide) core-shell nanoparticle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 12928-32	11.5	13
50	Influence of target composition and deposition temperature on the domain structure of BiFeO <sub>3</sub> thin films. <i>AIP Advances</i> , <b>2012</b> , 2, 042104	1.5	13
49	. <i>IEEE Electron Device Letters</i> , <b>2011</b> , 32, 128-130	4.4	12
48	Low-voltage organic ferroelectric field effect transistors using Langmuir-Blodgett films of poly(vinylidene fluoride-trifluoroethylene). <i>Organic Electronics</i> , <b>2009</b> , 10, 145-151	3.5	12
47	Structure and piezoelectric properties of BiFeO <sub>3</sub> and Bi <sub>0.92</sub> Dy <sub>0.08</sub> FeO <sub>3</sub> multiferroics at high temperature. <i>Solid State Communications</i> , <b>2012</b> , 152, 1194-1198	1.6	11
46	N-type behavior of ferroelectric-gate carbon nanotube network transistor. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 082103	3.4	11
45	Tuning Photovoltaic Performance of Perovskite Nickelates Heterostructures by Changing the A-Site Rare-Earth Element. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 16191-16197	9.5	10
44	Orientation dependence of electrocaloric effects in Pb(Zn <sub>1/3</sub> Nb <sub>2/3</sub> )-PbTiO <sub>3</sub> single crystals. <i>AIP Advances</i> , <b>2013</b> , 3, 072118	1.5	10
43	Electric-field control of magnetic properties of CoFe <sub>2</sub> O <sub>4</sub> films on Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> BbTiO <sub>3</sub> substrate. <i>Thin Solid Films</i> , <b>2012</b> , 522, 420-424	2.2	10
42	Pulsed laser deposition of Sr <sub>2</sub> FeMoO <sub>6</sub> thin films grown on spark plasma sintered Sr <sub>2</sub> MgWO <sub>6</sub> substrates. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 235301	3	9



41	Domain tuning in mixed-phase BiFeO <sub>3</sub> thin films using vicinal substrates. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 202901	3.4	9
40	Properties of (K,Na)NbO <sub>3</sub> -based lead-free piezoelectric films prepared by pulsed laser deposition. <i>Thin Solid Films</i> , <b>2010</b> , 518, 6777-6780	2.2	9
39	Canary Replica Feedback for Near-DRV Standby VDD Scaling in a 90nm SRAM <b>2007</b> ,		9
38	Construction of high performance CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> -based solar cells by hot-casting technique. <i>Solar Energy Materials and Solar Cells</i> , <b>2017</b> , 163, 120-124	6.4	8
37	Large magnetoresistance at high bias voltage in double-layer organic spin valves. <i>Organic Electronics</i> , <b>2015</b> , 26, 314-318	3.5	8
36	Voltage-Controlled Oxygen Non-Stoichiometry in SrCoO <sub>3</sub> Thin Films. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 6117-6123	9.6	8
35	Strain assisted electrocaloric effect in PbZr <sub>0.95</sub> Ti <sub>0.05</sub> O <sub>3</sub> films on 0.7Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -0.3PbTiO <sub>3</sub> substrate. <i>Scientific Reports</i> , <b>2015</b> , 5, 16164	4.9	8
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33	Nanoscale phase separation in quasi-uniaxial and biaxial strained multiferroic thin films. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 132905	3.4	8
32	Temperature-driven evolution of hierarchical nanodomain structure in tetragonal-like BiFeO <sub>3</sub> films. <i>Applied Physics Letters</i> , <b>2012</b> , 100, 022908	3.4	8
31	Open-cell poly(vinylidene fluoride) foams with polar phase for enhanced airborne sound absorption. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 092903	3.4	8
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29	2D Magnetic Mesocrystals for Bit Patterned Media. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1800997	4.6	7
28	Spin Hall Magnetoresistance in CoFe <sub>2</sub> O <sub>4</sub> /Pt Films. <i>IEEE Transactions on Magnetics</i> , <b>2015</b> , 51, 1-4	2	7
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25	Localization-driven metal-insulator transition in epitaxial hole-doped Nd Sr NiO ultrathin films. <i>Journal of Physics Condensed Matter</i> , <b>2017</b> , 29, 025002	1.8	6
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22	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> , <b>2020</b> , 127, 214102	2.5	5
21	Ab-initio study of donor-acceptor codoping for n-type CuO. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 163704	2.5	5
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17	Dielectric dynamics of epitaxial BiFeO3 thin films. <i>AIP Advances</i> , <b>2012</b> , 2, 022133	1.5	4
16	Study of Charge Diffusion at the Carbon Nanotube/BiO2 Interface by Electrostatic Force Microscopy. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 15476-15479	3.8	4
15	Flexible artificial synapse based on single-crystalline BiFeO3 thin film. <i>Nano Research</i> , <b>2011</b> , 4, 1041-1048	10	4
14	Ultrafast electron-phonon coupling and photo-induced strain in the morphotropic phase boundary of BiDyFeO films. <i>Scientific Reports</i> , <b>2018</b> , 8, 3258	4.9	3
13	Temperature controlled c axis elongated low symmetry phase BiFeO3 thin film on STO substrate. <i>AIP Advances</i> , <b>2013</b> , 3, 012110	1.5	3
12	Unusual anisotropic magnetoresistance in charge-orbital ordered Nd0.5Sr0.5MnO3 polycrystals. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 234505	2.5	3
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6	Low Temperature Crystallization of Bismuth Zinc Niobate Thin Films by Pulsed Laser Annealing <b>2006</b> ,		1

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4	Magnetic fingerprint of interfacial coupling between CoFe and nanoscale ferroelectric domain walls. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 082906	3.4	1
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1	Effective control of polarity in Bi <sub>0.9</sub> La <sub>0.1</sub> FeO <sub>3</sub> thin films by dopant-related internal bias. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2011</b> , 208, 919-923	1.6	