

# Junling Wang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Strong Optical, Electrical, and Raman in-Plane Anisotropy in Corrugated Two-Dimensional Perovskite. <i>Journal of Physical Chemistry C</i> , <b>2021</b> , 125, 22630-22642	3.8	1
165	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
164	Van der Waals layered ferroelectric CuInP2S6: Physical properties and device applications. <i>Frontiers of Physics</i> , <b>2021</b> , 16, 1	3.7	20
163	Giant Bulk Photostriction and Accurate Photomechanical Actuation in Hybrid Perovskites. <i>Advanced Optical Materials</i> , <b>2021</b> , 9, 2100837	8.1	1
162	High-Conductive Protonated Layered Oxides from H <sub>2</sub> O Vapor-Annealed Brownmillerites. <i>Advanced Materials</i> , <b>2021</b> , 33, e2104623	24	3
161	Ferroelastic-switching-driven large shear strain and piezoelectricity in a hybrid ferroelectric. <i>Nature Materials</i> , <b>2021</b> , 20, 612-617	27	28
160	A universal method for rapid and large-scale growth of layered crystals. <i>SmartMat</i> , <b>2020</b> , 1, e1011	22.8	23
159	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
158	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
157	Enhanced airborne sound absorption effect in poly(vinylidene fluoride)/(K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> -nanofiber composite foams. <i>Journal of Applied Polymer Science</i> , <b>2020</b> , 137, 49022	2.9	6
156	Continuously controllable photoconductance in freestanding BiFeO <sub>3</sub> by the macroscopic flexoelectric effect. <i>Nature Communications</i> , <b>2020</b> , 11, 2571	17.4	37
155	Anomalous polarization switching and permanent retention in a ferroelectric ionic conductor. <i>Materials Horizons</i> , <b>2020</b> , 7, 263-274	14.4	32
154	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
153	Origin of giant negative piezoelectricity in a layered van der Waals ferroelectric. <i>Science Advances</i> , <b>2019</b> , 5, eaav3780	14.3	74
152	Strain Effect on Oxygen Evolution Reaction Activity of Epitaxial NdNiO <sub>3</sub> Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 12941-12947	9.5	36
151	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
150	Voltage-Controlled Oxygen Non-Stoichiometry in SrCoO <sub>3-<math>\delta</math></sub> Thin Films. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 6117-6123	9.6	8

149	Van der Waals negative capacitance transistors. <i>Nature Communications</i> , <b>2019</b> , 10, 3037	17.4	71
148	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
147	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
146	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
145	2D Magnetic Mesocrystals for Bit Patterned Media. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1800997	4.6	7
144	Enhancing ferroelectric photovoltaic effect by polar order engineering. <i>Science Advances</i> , <b>2018</b> , 4, eaat3428	34.8	88
143	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
142	Modulation of Manganite Nanofilm Properties Mediated by Strong Influence of Strontium Titanate Excitons. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 35563-35570	9.5	2
141	In-Plane Ferroelectricity in Thin Flakes of Van der Waals Hybrid Perovskite. <i>Advanced Materials</i> , <b>2018</b> , 30, e1803249	24	45
140	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
139	The path to flexible ferroelectrics: Approaches and progress. <i>Japanese Journal of Applied Physics</i> , <b>2018</b> , 57, 0902A3	1.4	8
138	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
137	Self-powered sensitive and stable UV-visible photodetector based on GdNiO <sub>3</sub> /Nb-doped SrTiO <sub>3</sub> heterojunctions. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 043504	3.4	27
136	Enhanced Photoelectrochemical Performance in Reduced Graphene Oxide/BiFeO Heterostructures. <i>Small</i> , <b>2017</b> , 13, 1603457	11	35
135	Effect of high-frequency modes on singlet fission dynamics. <i>Journal of Chemical Physics</i> , <b>2017</b> , 146, 044101	10.1	52
134	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
133	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
132	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

131	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
130	Electrochemically Driven Giant Resistive Switching in Perovskite Nickelates Heterostructures. <i>Advanced Electronic Materials</i> , <b>2017</b> , 3, 1700321	6.4	15
129	Ferroelectric BiFeO as an Oxide Dye in Highly Tunable Mesoporous All-Oxide Photovoltaic Heterojunctions. <i>Small</i> , <b>2017</b> , 13, 1602355	11	44
128	Thermally Induced Reversible Double Phase Transitions in an Organic-Inorganic Hybrid Iodoplumbate C <sub>4</sub> H <sub>12</sub> NPbI <sub>3</sub> with Symmetry Breaking. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 8025-30	5.1	31
127	Band gap tuning of nickelates for photovoltaic applications. <i>Journal Physics D: Applied Physics</i> , <b>2016</b> , 49, 44LT02	3	16
126	Giant photostriction in organic-inorganic lead halide perovskites. <i>Nature Communications</i> , <b>2016</b> , 7, 11193	17.4	119
125	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
124	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
123	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
122	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
121	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
120	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
119	2D Black Phosphorus/SrTiO <sub>3</sub> -Based Programmable Photoconductive Switch. <i>Advanced Materials</i> , <b>2016</b> , 28, 7768-73	24	44
118	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
117	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
116	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
115	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
114	Flexible organic ferroelectric films with a large piezoelectric response. <i>NPG Asia Materials</i> , <b>2015</b> , 7, e189-e189	10.3	39

113	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
112	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
111	Nanoscale phase mixture in uniaxial strained BiFeO <sub>3</sub> (110) thin films. <i>Journal of Applied Physics</i> , <b>2015</b> , 118, 104103	2.5	4
110	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
109	Polarization-Mediated Thermal Stability of Metal/Oxide Heterointerface. <i>Advanced Materials</i> , <b>2015</b> , 27, 6934-8	24	17
108	Influence of epitaxial BiFeO <sub>3</sub> on superparamagnetic behavior of CoFeB thin film. <i>Journal of Applied Physics</i> , <b>2015</b> , 117, 143904	2.5	1
107	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
106	Enhanced visible light photocatalytic properties of TiO <sub>2</sub> thin films on the textured multicrystalline silicon wafers. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 4903-4908	13	8
105	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
104	Universal ferroelectric switching dynamics of vinylidene fluoride-trifluoroethylene copolymer films. <i>Scientific Reports</i> , <b>2014</b> , 4, 4772	4.9	126
103	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
102	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
101	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
100	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
99	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
98	Photovoltaic property of domain engineered epitaxial BiFeO <sub>3</sub> films. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 252903	3.4	27
97	Unusual anisotropic magnetoresistance in charge-orbital ordered Nd <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> polycrystals. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 234505	2.5	3
96	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

95	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
94	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
93	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
92	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
91	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
90	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
89	Oxygen-driven anisotropic transport in ultra-thin manganite films. <i>Nature Communications</i> , <b>2013</b> , 4, 2778	17-4	49
88	Non-volatile memory based on the ferroelectric photovoltaic effect. <i>Nature Communications</i> , <b>2013</b> , 4, 1990	17-4	319
87	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
86	Temperature-dependent tunneling electroresistance in Pt/BaTiO <sub>3</sub> /SrRuO <sub>3</sub> ferroelectric tunnel junctions. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 132913	3-4	26
85	Temperature controlled c axis elongated low symmetry phase BiFeO <sub>3</sub> thin film on STO substrate. <i>AIP Advances</i> , <b>2013</b> , 3, 012110	1-5	3
84	Multiferroicity in manganite/titanate superlattices determined by oxygen pressure-mediated cation defects. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 164302	2-5	2
83	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
82	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
81	Photocurrent 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
80	Unusual 90° domain structure in (2/3)Bi(Zn <sub>1/2</sub> Ti <sub>1/2</sub> )O <sub>3</sub> -(1/3)BiFeO <sub>3</sub> epitaxial films with giant 22% tetragonal distortion. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 042904	3-4	5
79	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
78	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

77	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
76	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
75	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
74	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
73	Mechanism of polarization fatigue in BiFeO <sub>3</sub> . <i>ACS Nano</i> , <b>2012</b> , 6, 8997-9004	16.7	61
72	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
71	Dielectric dynamics of epitaxial BiFeO <sub>3</sub> thin films. <i>AIP Advances</i> , <b>2012</b> , 2, 022133	1.5	4
70	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
69	Abnormal Poisson's ratio and linear compressibility in perovskite materials. <i>Advanced Materials</i> , <b>2012</b> , 24, 4170-4	24	36
68	Density functional theory analysis of dopants in cupric oxide. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 103708	3.5	44
67	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	6.5	39
66	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
65	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
64	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
63	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
62	Enhanced cooling capacities of ferroelectric materials at morphotropic phase boundaries. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 242902	3.4	85
61	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
60	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	

59	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
58	. <i>IEEE Electron Device Letters</i> , <b>2011</b> , 32, 128-130	4.4	12
57	Multiferroic properties of (Bi <sub>1-x</sub> Pr <sub>x</sub> )(Fe <sub>0.95</sub> Mn <sub>0.05</sub> )O <sub>3</sub> thin films. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2011</b> , 176, 990-995	3.1	29
56	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
55	Stability and crossover of 71° and 109° domains influenced by the film thickness and depolarization field in rhombohedral ferroelectric thin films. <i>Journal of Applied Physics</i> , <b>2011</b> , 110, 014110	2.5	6
54	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
53	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
52	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
51	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
50	First-principles prediction of a two dimensional electron gas at the BiFeO <sub>3</sub> /SrTiO <sub>3</sub> interface. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 062902	3.4	26
49	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
48	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
47	Temperature-dependent leakage current characteristics of Pr and Mn cosubstituted BiFeO <sub>3</sub> thin films. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 202904	3.4	26
46	Polarization switching in quasiplanar BiFeO <sub>3</sub> capacitors. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 062910	3.4	25
45	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
44	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
43	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
42	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



41	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
40	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
39	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	24	45
38	Nanoscale polarization relaxation of epitaxial BiFeO <sub>3</sub> thin film. <i>Thin Solid Films</i> , <b>2010</b> , 518, e169-e173	2.2	5
37	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
36	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
35	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
34	Phenomenological analysis of domain width in rhombohedral BiFeO <sub>3</sub> films. <i>Physical Review B</i> , <b>2009</b> , 80,	3.3	24
33	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
32	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
31	A modified scaling law for 180° stripe domains in ferroic thin films. <i>Journal of Applied Physics</i> , <b>2009</b> , 105, 061601	2.5	7
30	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
29	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
28	Study of Charge Diffusion at the Carbon Nanotube-BiO <sub>2</sub> Interface by Electrostatic Force Microscopy. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 15476-15479	3.8	4
27	Illumination-Enhanced Hysteresis of Transistors Based on Carbon Nanotube Networks. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 4745-4747	3.8	7
26	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
25	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
24	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

23	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
22	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
21	Development of Lead-Free Piezoceramic. <i>Solid State Phenomena</i> , <b>2008</b> , 136, 63-66	0.4	2
20	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
19	N-type behavior of ferroelectric-gate carbon nanotube network transistor. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 082103	3.4	11
18	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
17	Charge injection at carbon nanotube-SiO <sub>2</sub> interface. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 093509	3.4	21
16	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
15	Canary Replica Feedback for Near-DRV Standby VDD Scaling in a 90nm SRAM <b>2007</b> ,		9
14	Low Temperature Crystallization of Bismuth Zinc Niobate Thin Films by Pulsed Laser Annealing <b>2006</b> ,		1
13	Oxygen vacancy motion in Er-doped barium strontium titanate thin films. <i>Applied Physics Letters</i> , <b>2006</b> , 89, 172906	3.4	34
12	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
11	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
10	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
9	Self-assembled single-crystal ferromagnetic iron nanowires formed by decomposition. <i>Nature Materials</i> , <b>2004</b> , 3, 533-8	27	154
8	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
7	Epitaxial BiFeO <sub>3</sub> thin films on Si. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 2574-2576	3.4	227
6	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

5	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
4	Epitaxial BiFeO <sub>3</sub> multiferroic thin film heterostructures. <i>Science</i> , <b>2003</b> , 299, 1719-22	33.3	4944
3	Study of Microstructure in SrTiO <sub>3</sub> /Si by High-resolution Transmission Electron Microscopy. <i>Journal of Materials Research</i> , <b>2002</b> , 17, 204-213	2.5	30
2	Flexible artificial synapse based on single-crystalline BiFeO <sub>3</sub> thin film. <i>Nano Research</i> , 1	10	4
1	Self-Regulated Chemical Substitution in a Highly-Strained Perovskite Oxide. <i>Advanced Functional Materials</i> , 2112463	15.6	0