

# Yun Liu

## 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.

183  
papers

6,887  
citations

38  
h-index

79  
g-index

191  
ext. papers

7,999  
ext. citations

6.5  
avg, IF

5.76  
L-index

#	Paper	IF	Citations
183	Is hydrogen diffusion in amorphous metals non-Arrhenian?. <i>International Journal of Hydrogen Energy</i> , <b>2022</b> , 47, 9627-9634	6.7	1
182	Centimetre-scale perovskite solar cells with fill factors of more than 86 per cent.. <i>Nature</i> , <b>2022</b> , 601, 573-578	57.4	21
181	Hole-Pinned Defect Clusters for a Large Dielectric Constant up to GHz in Zinc and Niobium Codoped Rutile SnO. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 54124-54132	9.5	2
180	BiOBr MicroNanosheets: Controllable Synthesis and Piezoelectric and Photoelectric Properties. <i>Crystal Growth and Design</i> , <b>2021</b> , 21, 7179-7185	3.5	1
179	Noble-Metal-Free Multicomponent Nanointegration for Sustainable Energy Conversion. <i>Chemical Reviews</i> , <b>2021</b> , 121, 10271-10366	68.1	41
178	Diode-like rectification characteristics of BiFeO <sub>3</sub> -based /Zn <sub>1-x</sub> Ni <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> bilayered films for application of ferroelectric field effect transistors. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 851, 156818	5.7	2
177	Mechanism for enhanced ferroelectricity in multi-doped BiFeO <sub>3</sub> thin films. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 1265-1277	2.1	0
176	Defect engineering for creating and enhancing bulk photovoltaic effect in centrosymmetric materials. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 13182-13191	13	6
175	Efficient and stable wide bandgap perovskite solar cells through surface passivation with long alkyl chain organic cations. <i>Journal of Materials Chemistry A</i> , <b>2021</b> , 9, 18454-18465	13	8
174	Study on resistance switching characteristics and regulation mechanisms of Bi <sub>0.9</sub> Er <sub>0.1</sub> Fe <sub>0.99</sub> Mn <sub>0.01</sub> O <sub>3</sub> /Zn <sub>1-x</sub> Cu <sub>x</sub> O thin films. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 18699-18710	2.1	0
173	Large-scale stationary hydrogen storage via liquid organic hydrogen carriers. <i>IScience</i> , <b>2021</b> , 24, 102966	6.1	14
172	Role of A-Site Molecular Ions in the Polar Functionality of MetalOrganic Framework Perovskites. <i>Chemistry of Materials</i> , <b>2021</b> , 33, 9666-9676	9.6	0
171	Lead-free (Ag,K)NbO materials for high-performance explosive energy conversion. <i>Science Advances</i> , <b>2020</b> , 6, eaba0367	14.3	16
170	Synthesis, structure and dielectric properties of the Sr <sub>3</sub> Ti <sub>1-x</sub> Zr <sub>x</sub> Nb <sub>4</sub> O <sub>15</sub> , (0 ≤ x ≤ 1), series of tungsten bronze type compounds. <i>CrystEngComm</i> , <b>2020</b> , 22, 4994-5001	3.3	1
169	Reversible single crystal-to-single crystal double [2+2] cycloaddition induces multifunctional photo-mechano-electrochemical properties in framework materials. <i>Nature Communications</i> , <b>2020</b> , 11, 2808	17.4	25
168	Tunable Optoelectronic Properties of WS <sub>2</sub> by Local Strain Engineering and Folding. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 1901381	6.4	18
167	Evidence of phase coexistence in hydrothermally synthesized K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> nanofibers. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 8731-8739	13	7

166	Reinvestigation of the photostrictive effect in lanthanum-modified lead zirconate titanate ferroelectrics. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 4074-4082	3.8	9
165	Chemical Synthesis and High-Pressure Reaction of Nb <sup>5+</sup> Monodoped Rutile TiO <sub>2</sub> Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 12808-12815	3.8	2
164	Interface-Charge Induced Giant Electrocaloric Effect in Lead Free Ferroelectric Thin-Film Bilayers. <i>Nano Letters</i> , <b>2020</b> , 20, 1262-1271	11.5	43
163	High performance bulk photovoltaics in narrow-bandgap centrosymmetric ultrathin films. <i>Materials Horizons</i> , <b>2020</b> , 7, 898-904	14.4	3
162	Structure-Driven, Ferroelectric Wake-Up Effect for Electrical Fatigue Relief. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 6456-6463	9.6	4
161	Natural liquid organic hydrogen carrier with low dehydrogenation energy: A first principles study. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 32089-32097	6.7	5
160	Piezoelectric Responses of Mechanically Exfoliated Two-Dimensional SnS Nanosheets. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 51662-51668	9.5	18
159	Janus Conductive/Insulating Microporous Ion-Sieving Membranes for Stable Li-S Batteries. <i>ACS Nano</i> , <b>2020</b> , 14, 13852-13864	16.7	38
158	Magnetic ordering and spin dynamics in the S=5/2 staggered triangular lattice antiferromagnet Ba <sub>2</sub> MnTeO <sub>6</sub> . <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	2
157	Heterogeneous photocatalytic decomposition of per- and poly-fluoroalkyl substances: A review. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2020</b> , 50, 523-547	11.1	3
156	Understanding the role of electrons in the magnetism of a colossal permittivity dielectric material. <i>Materials Horizons</i> , <b>2020</b> , 7, 188-192	14.4	1
155	Electric field dependence of ferroelectric stability in BiFeO <sub>3</sub> thin films co-doped with Er and Mn. <i>Ceramics International</i> , <b>2020</b> , 46, 18690-18697	5.1	7
154	High Efficiency Perovskite-Silicon Tandem Solar Cells: Effect of Surface Coating versus Bulk Incorporation of 2D Perovskite. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1903553	21.8	73
153	Introduction of TiO in CuI for Its Improved Performance as a p-Type Transparent Conductor. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 24254-24263	9.5	14
152	The effect of grain boundary on the visible light absorption of BaTi <sub>1-x</sub> [Ni <sup>1/2</sup> Nb <sup>1/2</sup> ] <sub>x</sub> O <sub>3-<math>\delta</math></sub> ferroelectric ceramics. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 7405-7413	3.8	10
151	Collective nonlinear electric polarization via defect-driven local symmetry breaking. <i>Materials Horizons</i> , <b>2019</b> , 6, 1717-1725	14.4	16
150	Spin-wave propagation in $\text{FeO}$ nanorods: the effect of confinement and disorder. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 184003	1.8	1
149	Symmetry-mode analysis for intuitive observation of structure-property relationships in the lead-free antiferroelectric (1-x)AgNbO-LiTaO. <i>IUCrJ</i> , <b>2019</b> , 6, 740-750	4.7	3

148	Dielectric relaxation and resistive switching of Bi <sub>0.96</sub> Sr <sub>0.04</sub> Fe <sub>0.98</sub> Co <sub>0.02</sub> O <sub>3</sub> /CoFe <sub>2</sub> O <sub>4</sub> thin films with different thicknesses of the Bi <sub>0.96</sub> Sr <sub>0.04</sub> Fe <sub>0.98</sub> Co <sub>0.02</sub> O <sub>3</sub> layer. <i>Ceramics International</i> , <b>2019</b> , 45, 3522-3530	5.1	6
147	Highly Efficient Visible Light Catalysts Driven by Ti <sup>3+</sup> -VO-2Ti <sup>4+</sup> -N <sub>3</sub> Defect Clusters. <i>ChemNanoMat</i> , <b>2019</b> , 5, 169-174	3.5	2
146	Study of the B-site ion behaviour in the multiferroic perovskite bismuth iron chromium oxide. <i>Journal of Applied Physics</i> , <b>2018</b> , 123, 154104	2.5	4
145	Resistive switching behavior and improved multiferroic properties of Bi <sub>0.9</sub> Er <sub>0.1</sub> Fe <sub>0.98</sub> Co <sub>0.02</sub> O <sub>3</sub> /Co <sub>1-x</sub> MnxFe <sub>2</sub> O <sub>4</sub> bilayered thin films. <i>Ceramics International</i> , <b>2018</b> , 44, 12600 <sup>5</sup> 12609 <sup>7</sup>	5.1	6
144	Structure, dielectric and ferroelectric properties of lead-free (Ba,Ca)(Ti,Zr)O <sub>3</sub> -xBiErO <sub>3</sub> piezoelectric ceramics. <i>Ceramics International</i> , <b>2018</b> , 44, 6872-6877	5.1	2
143	Structure, dielectric and ferroelectric properties of lead free (K,Na)(Nb)O <sub>3</sub> -xBiErO <sub>3</sub> piezoelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 7142-7151	2.1	3
142	Enhancement of multiferroic properties in Bi <sub>0.92</sub> Ho <sub>0.08</sub> Fe <sub>0.97</sub> Mn <sub>0.03</sub> O <sub>3</sub> /Zn <sub>0.5</sub> Ni <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> bilayered thin films by tunable schottky barrier and interface barrier. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 741, 420-431	5.7	6
141	Above-Band Gap Photoinduced Stabilization of Engineered Ferroelectric Domains. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 12781-12789	9.5	16
140	The upper Manganese doping limit and its effects on physical properties of lead-free Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> ceramics. <i>Ceramics International</i> , <b>2018</b> , 44, 12767-12773	5.1	8
139	Antiferroelectrics for Energy Storage Applications: a Review. <i>Advanced Materials Technologies</i> , <b>2018</b> , 3, 1800111	6.8	184
138	Photovoltaic Effect of a Ferroelectric-Luminescent Heterostructure under Infrared Light Illumination. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 29786-29794	9.5	7
137	Soft phonon modes and diffuse scattering in Pb(In <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> -Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -PbTiO <sub>3</sub> relaxor ferroelectrics. <i>Journal of Materiomics</i> , <b>2018</b> , 4, 345-352	6.7	3
136	Novel insight into the structure and properties of lead-free dielectric Sr <sub>3</sub> TiNb <sub>4</sub> O <sub>15</sub> . <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 8890-8896	7.1	5
135	Giant thermally-enhanced electrostriction and polar surface phase in La <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> oxygen ion conductors. <i>Physical Review Materials</i> , <b>2018</b> , 2,	3.2	6
134	Photoactivity and Stability Co-Enhancement: When Localized Plasmons Meet Oxygen Vacancies in MgO. <i>Small</i> , <b>2018</b> , 14, e1803233	11	18
133	Anomalous Photovoltaic Effect in Centrosymmetric Ferroelastic BiVO. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801619	24	26
132	Approaching Piezoelectric Response of Pb-Piezoelectrics in Hydrothermally Synthesized Bi(NaK)TiO Nanotubes. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 20816-20825	9.5	11
131	Earth-abundant transition metal oxides with extraordinary reversible oxygen exchange capacity for efficient thermochemical synthesis of solar fuels. <i>Nano Energy</i> , <b>2018</b> , 50, 347-358	17.1	33

130	A General Strategy to Achieve Colossal Permittivity and Low Dielectric Loss Through Constructing Insulator/Semiconductor/Insulator Multilayer Structures. <i>Journal of Low Temperature Physics</i> , <b>2018</b> , 192, 346-358	1.3	2
129	The Formation of Defect-Pairs for Highly Efficient Visible-Light Catalysts. <i>Advanced Materials</i> , <b>2017</b> , 29, 1605123	24	33
128	Colossal permittivity with ultralow dielectric loss in In + Ta co-doped rutile TiO <sub>2</sub> . <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 5436-5441	13	87
127	Electric field tunable thermal stability of energy storage properties of PLZST antiferroelectric ceramics. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 2382-2386	3.8	22
126	Pressure driven depolarization behavior of Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> based lead-free ceramics. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 212901	3.4	20
125	Trans-Regime Structural Transition of (In <sup>3+</sup> + Nb <sup>5+</sup> ) Co-Doped Anatase TiO <sub>2</sub> Nanocrystals under High Pressure. <i>Crystal Growth and Design</i> , <b>2017</b> , 17, 2529-2535	3.5	7
124	Colossal permittivity and dielectric relaxation of (Li, In) Co-doped ZnO ceramics. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 698, 200-206	5.7	29
123	Colossal permittivity behavior and its origin in rutile (MgTa)TiO. <i>Scientific Reports</i> , <b>2017</b> , 7, 9950	4.9	35
122	Design Synthesis of Nitrogen-Doped TiO <sub>2</sub> @Carbon Nanosheets toward Selective Nitroaromatics Reduction under Mild Conditions. <i>ACS Catalysis</i> , <b>2017</b> , 7, 6991-6998	13.1	24
121	Bimetallic Ions Codoped Nanocrystals: Doping Mechanism, Defect Formation, and Associated Structural Transition. <i>Journal of Physical Chemistry Letters</i> , <b>2017</b> , 8, 3249-3255	6.4	12
120	Interface passivation using ultrathin polymer/fullerene films for high-efficiency perovskite solar cells with negligible hysteresis. <i>Energy and Environmental Science</i> , <b>2017</b> , 10, 1792-1800	35.4	305
119	Critical role of the coupling between the octahedral rotation and A-site ionic displacements in PbZrO <sub>3</sub> -based antiferroelectric materials investigated by in situ neutron diffraction. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	9
118	Electric-field-induced AFE-FE transitions and associated strain/preferred orientation in antiferroelectric PLZST. <i>Scientific Reports</i> , <b>2016</b> , 6, 23659	4.9	19
117	Effect of seeds and sintering additives on (K,Na,Li)NbO <sub>3</sub> lead-free single crystals grown by a solid-state crystal growth method. <i>Journal of the Ceramic Society of Japan</i> , <b>2016</b> , 124, 365-369	1	5
116	Dipolar glass and magneto-electric coupling within a stacked organic system. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 6090-6095	7.1	3
115	Susceptible Ferroelectric/Antiferroelectric Phase Transition near the Surface of Nb-Doped Lead Zirconate Stannate Titanate from Surface Processing. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 14313-7	9.5	14
114	Selective separation of oil and water with mesh membranes by capillarity. <i>Advances in Colloid and Interface Science</i> , <b>2016</b> , 235, 46-55	14.3	54
113	Large Piezoelectricity and Ferroelectricity in Mn-Doped (Bi <sub>0.5</sub> Na <sub>0.5</sub> )TiO <sub>3</sub> -BaTiO <sub>3</sub> Thin Film Prepared by Pulsed Laser Deposition. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 2347-2353	3.8	20

112	A New n = 4 Layered Ruddlesden-Popper Phase K(2.5)Bi(2.5)Ti4O13 Showing Stoichiometric Hydration. <i>Inorganic Chemistry</i> , <b>2016</b> , 55, 1403-11	5.1	11
111	The temperature-dependent piezoelectric and electromechanical properties of cobalt-modified sodium bismuth titanate. <i>Ceramics International</i> , <b>2016</b> , 42, 4268-4273	5.1	23
110	Large piezoelectric properties in KNN-based lead-free single crystals grown by a seed-free solid-state crystal growth method. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 182904	3.4	38
109	Boron nitride nanosheets as improved and reusable substrates for gold nanoparticles enabled surface enhanced Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 7761-6	3.6	47
108	Colossal Dielectric Permittivity in (Nb+Al) Codoped Rutile TiO2 Ceramics: Compositional Gradient and Local Structure. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 4934-4942	9.6	130
107	Colossal Dielectric Behavior of Ga+Nb Co-Doped Rutile TiO2. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 25321-5	9.5	140
106	Colossal permittivity properties of Zn,Nb co-doped TiO2 with different phase structures. <i>Journal of Materials Chemistry C</i> , <b>2015</b> , 3, 11005-11010	7.1	77
105	Superhydrophobic and Superoleophilic Porous Boron Nitride Nanosheet/Polyvinylidene Fluoride Composite Material for Oil-Polluted Water Cleanup. <i>Advanced Materials Interfaces</i> , <b>2015</b> , 2, 1400267	4.6	108
104	A Facile Strategy for the Functionalization of Boron Nitride Nanotubes with Pd Nanoparticles. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-5	3.2	
103	Self-assembly dynamics and accumulation mechanisms of ultra-fine nanoparticles. <i>Nanoscale</i> , <b>2015</b> , 7, 9859-67	7.7	38
102	Energy and temperature dependence of rigid unit modes in AlPO <sub>5</sub> . <i>Physical Chemistry Chemical Physics</i> , <b>2015</b> , 17, 21547-54	3.6	4
101	Atomic-scale control of TiO <sub>6</sub> octahedra through solution chemistry towards giant dielectric response. <i>Scientific Reports</i> , <b>2014</b> , 4, 6582	4.9	42
100	Superhydrophobic and Superoleophilic Boron Nitride Nanotube-Coated Stainless Steel Meshes for Oil and Water Separation. <i>Advanced Materials Interfaces</i> , <b>2014</b> , 1, 1300002	4.6	91
99	Porous carbon nanotube/polyvinylidene fluoride composite material: Superhydrophobicity/superoleophilicity and tunability of electrical conductivity. <i>Polymer</i> , <b>2014</b> , 55, 5616-5622	3.9	30
98	Observation of short-lived local polar states induced by applied tip biases in BaTiO <sub>3</sub> -based relaxor ferroelectric ceramics. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 022904	3.4	8
97	Nano-Imprinted Ferroelectric Polymer Nanodot Arrays for High Density Data Storage. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 3124-3129	15.6	71
96	Ferroelectric Domain Engineered Photochemical Deposition for Area-Selectable Broadband Enhancement of Quantum Dot Photoluminescence. <i>Advanced Optical Materials</i> , <b>2013</b> , 1, 720-723	8.1	4
95	On-chip investigation of cell-drug interactions. <i>Advanced Drug Delivery Reviews</i> , <b>2013</b> , 65, 1556-74	18.5	24

94	Microstructure development in electrospun carbon nanotube reinforced polyvinylidene fluoride fibers and its influence on tensile strength and dielectric permittivity. <i>Composites Science and Technology</i> , <b>2013</b> , 88, 1-8	8.6	58
93	Ca-Doping of BiFeO <sub>3</sub> : The Role of Strain in Determining Coupling between Ferroelectric Displacements, Magnetic Moments, Octahedral Tilting, and Oxygen-Vacancy Ordering. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 4436-4446	9.6	37
92	Ferroelectric memristor based on Pt/BiFeO <sub>3</sub> /Nb-doped SrTiO <sub>3</sub> heterostructure. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 102901	3.4	117
91	Chessboard/Diamond Nanostructures and the A-site Deficient, Li <sub>1/2</sub> B <sub>x</sub> Nd <sub>1/2+x</sub> TiO <sub>3</sub> , Defect Perovskite Solid Solution. <i>Chemistry of Materials</i> , <b>2013</b> , 25, 190-201	9.6	16
90	Electron-pinned defect-dipoles for high-performance colossal permittivity materials. <i>Nature Materials</i> , <b>2013</b> , 12, 821-6	27	541
89	Domain-selective photochemical reaction on oriented ferroelectric Pb(In <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> -Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -PbTiO <sub>3</sub> single crystals. <i>Applied Surface Science</i> , <b>2013</b> , 265, 157-161	6.7	5
88	Dipolar-glass-like relaxor ferroelectric behaviour in the 0.5BaTiO <sub>3</sub> -0.5Bi(Mg <sub>1/2</sub> Ti <sub>1/2</sub> )O <sub>3</sub> electroceramic. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 042910	3.4	19
87	A Novel Mineralizer-Facilitated, Composition-Controllable Route to the Synthesis of Small Cubes of Bismuth Sodium Potassium Titanate. <i>Integrated Ferroelectrics</i> , <b>2013</b> , 144, 169-175	0.8	3
86	Ferroelastic aspects of relaxor ferroelectric behaviour in Pb(In <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> -Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -PbTiO <sub>3</sub> perovskite. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 124102	2.5	19
85	Structural transitions in [001]/[111]-oriented 0.26Pb(In <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> -0.46Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -0.28PbTiO <sub>3</sub> single crystals probed via neutron diffraction and electrical characterization. <i>Journal of Applied Physics</i> , <b>2013</b> , 113, 154104	2.5	7
84	Phase Relations in Ba <sub>6-3x</sub> Ln <sub>8+2x</sub> Ti <sub>18</sub> O <sub>54</sub> (Ln = Nd & Sm) Electroceramics. <i>Advances in Condensed Matter Physics</i> , <b>2013</b> , 2013, 1-7	1	1
83	Structural Disorder in the Key Lead-Free Piezoelectric Materials, and. <i>Advances in Condensed Matter Physics</i> , <b>2013</b> , 2013, 1-5	1	
82	Temperature Dependence of Electrical Properties and Crystal Structure of 0.29Pb(In <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> -0.44Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -0.27PbTiO <sub>3</sub> Single Crystals. <i>Advances in Condensed Matter Physics</i> , <b>2013</b> , 2013, 1-5	1	1
81	Effect of Electric Field and Temperature on Average Structure and Domain Wall Motion in 0.93Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -0.07BaTiO <sub>3</sub> Ceramic. <i>Advances in Condensed Matter Physics</i> , <b>2013</b> , 2013, 1-4	1	
80	Surface Characterisation of a Ferroelectric Single Crystal by Kelvin Probe Force Microscopy. <i>Journal of Surface Engineered Materials and Advanced Technology</i> , <b>2013</b> , 03, 190-194	0.2	2
79	Response of intergrown microstructure to an electric field and its consequences in the lead-free piezoelectric bismuth sodium titanate. <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 187, 309-315	3.3	21
78	Preparation and potential application of boron nitride nanocups. <i>Materials Letters</i> , <b>2012</b> , 80, 148-151	3.3	13
77	Ferroelectric and octahedral tilt twin disorder and the lead-free piezoelectric, sodium potassium niobate system. <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 195, 55-62	3.3	6

76	Switching spectroscopic measurement of surface potentials on ferroelectric surfaces via an open-loop Kelvin probe force microscopy method. <i>Applied Physics Letters</i> , <b>2012</b> , 101, 242906	3.4	12
75	LOCAL MICROSTRUCTURE EVOLUTION OF BISMUTH SODIUM TITANATE-BASED LEAD-FREE PIEZOELECTRIC SYSTEMS ACROSS THE MORPHOTROPIC PHASE BOUNDARY REGION. <i>Journal of Advanced Dielectrics</i> , <b>2012</b> , 02, 1230012	1.3	6
74	In-situ neutron diffraction study of $\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbTiO}_3$ single crystals under uniaxial mechanical stress. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 084110	2.5	7
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47	Rare-earth doped boron nitride nanotubes. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2008</b> , 146, 189-192	3.1	9
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