

# Xuebin Zhu

## 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.

209  
papers

3,161  
citations

31  
h-index

45  
g-index

218  
ext. papers

4,189  
ext. citations

4.7  
avg, IF

5.39  
L-index

#	Paper	IF	Citations
209	Magneto-Electrodeposition of 3D Cross-Linked NiCo-LDH for Flexible High-Performance Supercapacitors.. <i>Small Methods</i> , <b>2022</b> , e2101320	12.8	8
208	Dielectric relaxations and conduction mechanism in Aurivillius-type Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> Bi <sub>5</sub> Fe <sub>0.5</sub> Co <sub>0.5</sub> Ti <sub>3</sub> O <sub>15</sub> solid solution. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2022</b> , 33, 6354	2.1	0
207	Colossal 3D Electrical Anisotropy of MoAlB Single Crystal.. <i>Small</i> , <b>2022</b> , 18, e2104460	11	2
206	Highly stable and uniformly dispersed 1T-MoS <sub>2</sub> nanosheets co-induced by chemical pressure and 2D template method with high supercapacitor performance. <i>Journal of Materials Chemistry A</i> , <b>2022</b> , 10, 7373-7381	13	0
205	Structural, magnetic, electrical and optical properties of Aurivillius phase Bi <sub>6</sub> Fe <sub>1.5</sub> Co <sub>0.5</sub> Ti <sub>3</sub> -W O <sub>18</sub> (0 $\times$ 0.07) ceramics. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 906, 164393	5.7	
204	Realization of high-purity 1T-MoS <sub>2</sub> by hydrothermal synthesis through synergistic effect of nitric acid and ethanol for supercapacitors. <i>Journal of Materials Science and Technology</i> , <b>2022</b> , 123, 34-40	9.1	1
203	Lattice disorder effect on the structural, ferroelectric and electrocaloric properties of (Ba, Sr, Ca)TiO <sub>3</sub> ceramics. <i>Journal of Alloys and Compounds</i> , <b>2022</b> , 165433	5.7	0
202	Direct growth of porous vanadium nitride on carbon cloth with commercial-level mass loading for solid-state supercapacitors. <i>Chemical Engineering Journal</i> , <b>2022</b> , 444, 136597	14.7	0
201	Phase Manipulating toward Molybdenum Disulfide for Optimizing Electromagnetic Wave Absorbing in Gigahertz. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2011229	15.6	43
200	Rate Performance Modification of a Lithium-Rich Manganese-Based Material through Surface Self-Doping and Coating Strategies. <i>Langmuir</i> , <b>2021</b> , 37, 3223-3230	4	5
199	Sizeable bandgap modulation in Y <sub>2</sub> Hf <sub>2</sub> O <sub>7</sub> pyrochlore oxide thin films through B-site substitution. <i>Applied Physics Letters</i> , <b>2021</b> , 118, 141902	3.4	1
198	Room-temperature multiferrocity and magnetodielectric properties of ternary BiFeO <sub>3</sub> Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> TaTiO <sub>3</sub> ceramics across the rhombohedral $\rightarrow$ orthorhombic phase boundary. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 11524	2.1	1
197	3D Porous Honeycomb-Like CoN-Ni <sub>3</sub> N/N-C Nanosheets Integrated Electrode for High-Energy-Density Flexible Supercapacitor. <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2103073	15.6	35
196	Chiral charge density waves induced by Ti-doping in 1T-TaS <sub>2</sub> . <i>Applied Physics Letters</i> , <b>2021</b> , 118, 213105	3.4	4
195	Laser crystallized sandwich-like MXene/Fe <sub>3</sub> O <sub>4</sub> /MXene thin film electrodes for flexible supercapacitors. <i>Journal of Power Sources</i> , <b>2021</b> , 497, 229882	8.9	13
194	Enhanced electrical properties in Ce/Mo co-substituted CaBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> high-temperature piezoelectric ceramic. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 19938-19946	2.1	1
193	Retainable Superconductivity and Structural Transition in 1T-TaSe Under High Pressure. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 11385-11393	5.1	1

192	Dual surfactants applied in synthesis of MoSe <sub>2</sub> for high-efficiency hydrogen evolution reaction. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 863, 158092	5.7	3
191	Chemical Solution Route for High-Quality Multiferroic BiFeO <sub>3</sub> Thin Films. <i>Small</i> , <b>2021</b> , 17, e1903663	11	15
190	Unveiling the mechanisms of metal-insulator transitions in V <sub>2</sub> O <sub>3</sub> : The role of trigonal distortion. <i>Physical Review B</i> , <b>2021</b> , 103,	3.3	2
189	Pressure-Induced Electronic and Structural Transition in Nodal-Line Semimetal ZrSiSe. <i>Inorganic Chemistry</i> , <b>2021</b> , 60, 11140-11146	5.1	
188	Electrical and magnetic properties of epitaxial La <sub>1-x</sub> Ag <sub>x</sub> MnO <sub>3</sub> thin films prepared by a facile chemical solution deposition. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2021</b> , 32, 22362-22371	2.1	
187	Solution-processable hierarchical-porous vanadium nitride films on silicon substrates for highly efficient symmetric supercapacitors. <i>Journal of Power Sources</i> , <b>2021</b> , 507, 230269	8.9	2
186	NiCo <sub>2</sub> N hollow sphere with interconnected nanosheets shell: A potential anode material for high performance lithium-ion batteries. <i>Chemical Engineering Journal</i> , <b>2021</b> , 425, 130607	14.7	5
185	Effect of BaO-2B <sub>2</sub> O <sub>3</sub> sintering aid on the structural and electrical properties of CaBi <sub>2</sub> Nb <sub>2</sub> O <sub>9</sub> high-temperature piezoelectric ceramic. <i>Journal of Applied Physics</i> , <b>2021</b> , 130, 244102	2.5	1
184	Improved ferroelectric, piezoelectric, and magnetic properties in BiFeO <sub>3</sub> (Ba <sub>0.85</sub> Ca <sub>0.15</sub> )TiO <sub>3</sub> ceramics through Mn addition. <i>Journal of Applied Physics</i> , <b>2020</b> , 128, 164101	2.5	1
183	Synthesis and Physical Properties of Antiperovskite CuNFe <sub>3</sub> Thin Films via Solution Processing for Room Temperature Soft-Magnets. <i>Coatings</i> , <b>2020</b> , 10, 270	2.9	4
182	Effects of W/Ni co-doping on the structural, magnetic, electrical, and optical properties of Aurivillius phase Bi <sub>5</sub> FeTi <sub>3</sub> O <sub>15</sub> ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 11131-11140	2.1	3
181	Design of flexible inorganic BiFe <sub>0.93</sub> Mn <sub>0.07</sub> O <sub>3</sub> ferroelectric thin films for nonvolatile memory. <i>Journal of Materiomics</i> , <b>2020</b> , 6, 600-606	6.7	4
180	Temperature-Induced Lifshitz Transition and Possible Excitonic Instability in ZrSiSe. <i>Physical Review Letters</i> , <b>2020</b> , 124, 236601	7.4	14
179	Rationally designed three-dimensional porous NiCo <sub>2</sub> N@C reticular structure for high-performance Li-ion batteries. <i>Scripta Materialia</i> , <b>2020</b> , 186, 104-108	5.6	5
178	Magnetic-field guided solvent vapor annealing for enhanced molecular alignment and carrier mobility of a semiconducting diketopyrrolopyrrole-based polymer. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 4477-4485	7.1	10
177	Edge-Induced Room-Temperature Ferromagnetism in Carbon Nanosheets. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 7396-7403	3.8	3
176	A High-Energy-Density Hybrid Supercapacitor with P-Ni(OH) @Co(OH) Core-Shell Heterostructure and Fe <sub>3</sub> O <sub>4</sub> Nanoneedle Arrays as Advanced Integrated Electrodes. <i>Small</i> , <b>2020</b> , 16, e2001974	11	40
175	Evolution of structure and electrical properties of epitaxial BiFeO <sub>3</sub> thin films through solution and annealing atmosphere. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 843, 155910	5.7	4

174	Superconducting and Topological Properties in Centrosymmetric PbTaS <sub>2</sub> Single Crystals. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 6349-6355	3.8	4
173	Achieving Macroscopic VCT MXene by Selectively Etching Al from VAIC Single Crystals. <i>Inorganic Chemistry</i> , <b>2020</b> , 59, 3239-3248	5.1	12
172	Backward Diode Rectifying Behavior in AgCrO <sub>2</sub> /In <sub>2</sub> O <sub>3</sub> . <i>IEEE Electron Device Letters</i> , <b>2020</b> , 41, 541-544	4.4	
171	2D/2D 1T-MoS <sub>2</sub> /Ti <sub>3</sub> C <sub>2</sub> MXene Heterostructure with Excellent Supercapacitor Performance. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 0190302	15.6	126
170	Near-zero thermal expansion and high thermal conductivity from ambient to cryogenic temperatures in Hf <sub>0.87</sub> Ta <sub>0.13</sub> Fe <sub>2</sub> Cu. <i>Materialia</i> , <b>2020</b> , 9, 100637	3.2	1
169	Enhanced multiferroicity in Mn- and Cu-modified 0.7BiFeO <sub>3</sub> /(0.3(Ba <sub>0.85</sub> Ca <sub>0.15</sub> ))TiO <sub>3</sub> ceramics. <i>Journal of Applied Physics</i> , <b>2020</b> , 127, 064102	2.5	
168	Solution Processable CrN Thin Films: Thickness-Dependent Electrical Transport Properties. <i>Materials</i> , <b>2020</b> , 13,	3.5	4
167	Vertically aligned nanostructure control and tunable low-field magnetoresistance in La <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> single-phase thin films manipulated by a high magnetic field. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 053103	3.4	1
166	The giant planar Hall effect and anisotropic magnetoresistance in Dirac node arcs semimetal PtSn. <i>Journal of Physics Condensed Matter</i> , <b>2020</b> , 32, 315702	1.8	4
165	Construction of hierarchical VC-MXene/MoS <sub>2</sub> /C nanohybrids for high rate lithium-ion batteries. <i>Nanoscale</i> , <b>2020</b> , 12, 1144-1154	7.7	47
164	Large and antiferromagnetic negative thermal expansion over a wide temperature zone in MnNiGe <sub>1-x</sub> Pbx (0.04 ≤ x ≤ 0.2) alloys. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 820, 153151	5.7	1
163	Design strategy for p-type transparent conducting oxides. <i>Journal of Applied Physics</i> , <b>2020</b> , 128, 140902	2.5	12
162	Photoinduced Broad-band Tunable Terahertz Absorber Based on a VO Thin Film. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 48811-48819	9.5	11
161	Structural, piezoelectric, multiferroic and magnetoelectric properties of (1-x)BiFeO <sub>3</sub> -xBa <sub>1-y</sub> Sr <sub>y</sub> TiO <sub>3</sub> solid solutions. <i>Journal of Electroceramics</i> , <b>2020</b> , 44, 256-264	1.5	6
160	Magnetic field induced formation of ferroelectric phase of poly (vinylidene fluoride). <i>Applied Physics A: Materials Science and Processing</i> , <b>2020</b> , 126, 1	2.6	2
159	Magnetic anisotropy and anomalous Hall effect in monoclinic single crystal Cr <sub>5</sub> Te <sub>8</sub> . <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	4
158	All chemical solution deposition of epitaxial porous BiFe <sub>0.93</sub> Mn <sub>0.07</sub> O <sub>3</sub> thin films. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 17404-17411	2.1	1
157	Origin of the large magnetoresistance in the candidate chiral superconductor 4Hb <sub>1-x</sub> TaS <sub>2</sub> . <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	2

156	Growth and optoelectronic properties of Cu <sub>3</sub> NP <sub>x</sub> thin films by solution deposition. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 815, 152487	5.7	1
155	Solution-Processable Epitaxial Metallic Delafossite Oxide Films. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002375	15.6	12
154	Substantially enhanced ferroelectricity in JT ion Cu <sup>2+</sup> -doped Co <sub>1-x</sub> Cu <sub>x</sub> Cr <sub>2</sub> O <sub>4</sub> (0 ≤ x ≤ 0.4). <i>Applied Physics Letters</i> , <b>2019</b> , 115, 082903	3.4	2
153	Bipolar resistive switching with self-rectifying behaviors in p-type AgCr <sub>1-x</sub> Mg <sub>x</sub> O <sub>2</sub> thin films. <i>Journal of Applied Physics</i> , <b>2019</b> , 126, 085702	2.5	2
152	Room-temperature angular-dependent topological Hall effect in chiral antiferromagnetic Weyl semimetal Mn <sub>3</sub> Sn. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 102404	3.4	13
151	Anisotropic magnetic entropy change in the hard ferromagnetic semiconductor V <sub>13</sub> . <i>Physical Review B</i> , <b>2019</b> , 100,	3.3	22
150	Annealing Effects on the Grain Growth and Electrical Properties of ZrO <sub>2</sub> Buffered Chromium Nitride Thin Films. <i>Crystal Growth and Design</i> , <b>2019</b> , 19, 5737-5742	3.5	1
149	Magnetic, dielectric and optical properties of five-layered Aurivillius phase Bi <sub>6</sub> Fe <sub>2</sub> Ti <sub>3</sub> O <sub>18</sub> -based ceramics. <i>Current Applied Physics</i> , <b>2019</b> , 19, 1391-1398	2.6	3
148	Heterostructures of Ni <sub>1-x</sub> Co <sub>x</sub> Al layered double hydroxide assembled on V <sub>4</sub> C <sub>3</sub> MXene for high-energy hybrid supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 2291-2300	13	93
147	Lead-free A <sub>2</sub> Bi <sub>4</sub> Ti <sub>5</sub> O <sub>18</sub> thin film capacitors (A = Ba and Sr) with large energy storage density, high efficiency, and excellent thermal stability. <i>Journal of Materials Chemistry C</i> , <b>2019</b> , 7, 1888-1895	7.1	36
146	Porous Fe <sub>3</sub> O <sub>4</sub> thin films by pulsed laser assisted chemical solution deposition at room temperature. <i>Applied Surface Science</i> , <b>2019</b> , 478, 408-411	6.7	5
145	Demonstration of electrocatalytic oxygen evolution activity of V <sub>4</sub> AlC <sub>3</sub> (Mn <sub>1-x</sub> Al <sub>x</sub> N <sub>3</sub> Phase) bulk powders. <i>Catalysis Communications</i> , <b>2019</b> , 127, 25-28	3.2	2
144	Structural and magnetic studies of Co <sub>1-x</sub> Ni <sub>x</sub> Cr <sub>2</sub> O <sub>4</sub> (0 ≤ x ≤ 1). <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 203904	2.5	1
143	Synthesis and lithium ion storage performance of two-dimensional V <sub>4</sub> C <sub>3</sub> MXene. <i>Chemical Engineering Journal</i> , <b>2019</b> , 373, 203-212	14.7	56
142	Solvothermal Synthesis of Porous MnF <sub>2</sub> Hollow Spheroids as Anode Materials for Sodium-/Lithium-Ion Batteries. <i>ChemElectroChem</i> , <b>2019</b> , 6, 2726-2732	4.3	4
141	Glucose-Induced Synthesis of 1T-MoS <sub>2</sub> /C Hybrid for High-Rate Lithium-Ion Batteries. <i>Small</i> , <b>2019</b> , 15, e1805420	11	69
140	Improved Electrochemical Performance of Ultrathin MoS <sub>2</sub> Nanosheet/Co Composites for Lithium-Ion Battery Anodes. <i>ChemElectroChem</i> , <b>2019</b> , 6, 1930-1938	4.3	12
139	Enhanced electrochemical performance of Li <sub>1.2</sub> Ni <sub>0.13</sub> Co <sub>0.13</sub> Mn <sub>0.54</sub> O <sub>2</sub> composited with Ti <sub>3</sub> C <sub>2</sub> T <sub>x</sub> MXene nanosheets. <i>Journal of Solid State Electrochemistry</i> , <b>2019</b> , 23, 1419-1428	2.6	3

138	Strain- and carrier-tunable magnetic properties of a two-dimensional intrinsically ferromagnetic semiconductor: CoBr <sub>2</sub> monolayer. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	16
137	Elucidating the origins of the two-dimensional electron gas in LaVO <sub>3</sub> / SrTiO <sub>3</sub> interfaces. <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 145302	2.5	2
136	Two-dimensional V <sub>4</sub> C <sub>3</sub> MXene as high performance electrode materials for supercapacitors. <i>Electrochimica Acta</i> , <b>2019</b> , 307, 414-421	6.7	55
135	Facile solvothermal preparation of nanostructured MnF <sub>2</sub> as outstanding anode materials for lithium-ion batteries. <i>Journal of Electroanalytical Chemistry</i> , <b>2019</b> , 840, 237-241	4.1	4
134	Energy storage in BaBi <sub>4</sub> Ti <sub>4</sub> O <sub>15</sub> thin films with high efficiency. <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 134101	2.5	7
133	Magnetic, dielectric and magneto-dielectric properties of Aurivillius phase Bi <sub>4.25</sub> Nd <sub>0.75</sub> FeTi <sub>2</sub> (NbCo) <sub>0.5</sub> O <sub>15</sub> ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 16337-16346	2.1	2
132	Energy storage properties in SrTiO <sub>3</sub> Bi <sub>3.25</sub> La <sub>0.75</sub> Ti <sub>3</sub> O <sub>12</sub> thin films. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 799, 66-70	5.7	3
131	Unveiling highly ambient-stable multilayered 1T-MoS <sub>2</sub> towards all-solid-state flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 19152-19160	13	35
130	Strong Electron-Phonon Coupling in the Excitonic Insulator TaNiSe. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 9036-9042	9.4	18
129	Topological domain-engineered antiferroelectric-like behavior with enhanced energy storage properties in ferroelectric hexagonal Cr-doped YMnO <sub>3</sub> . <i>Ceramics International</i> , <b>2019</b> , 45, 20276-20281	5.1	2
128	Improved optoelectronic properties in solution-processed epitaxial rare-earth-doped BaSnO <sub>3</sub> thin films via grain size engineering. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 162105	3.4	0
127	Exploring High-Performance p-Type Transparent Conducting Oxides Based on Electron Correlation in V <sub>2</sub> O <sub>3</sub> Thin Films. <i>Physical Review Applied</i> , <b>2019</b> , 12,	4.3	7
126	Enhanced ferroelectricity in relaxor (hbox {0.7BiFeO}_{3})-0.3(hbox {Ba}_{0.85}hbox {Ca}_{0.15})hbox {TiO}_{3}) ceramics using ball milling technique. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2019</b> , 30, 20221-20228	2.1	1
125	Flexible ultrahigh energy storage density in lead-free heterostructure thin-film capacitors. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 243901	3.4	8
124	Quantum paraelectricity to dipolar glass transition in Sc doped BaFe <sub>12</sub> O <sub>19</sub> single crystals. <i>Applied Physics Letters</i> , <b>2019</b> , 115, 262902	3.4	
123	Low Thermal Expansion Modulated by Off-Stoichiometric Effect in Nonstoichiometric Laves Phase HfTaFe Compounds. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 16818-16822	5.1	6
122	Enhanced multiferroicity and narrow band gap in B-site Co-doped Aurivillius Bi <sub>5</sub> FeTi <sub>3</sub> O <sub>15</sub> . <i>Ceramics International</i> , <b>2019</b> , 45, 137-143	5.1	12
121	Coexistence of ferromagnetism and ferroelectricity in Mn-doped chromites YCr <sub>1</sub> -Mn O <sub>3</sub> single crystals. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 771, 602-606	5.7	3

120	Highly Ambient-Stable 1T-MoS and 1T-WS by Hydrothermal Synthesis under High Magnetic Fields. <i>ACS Nano</i> , <b>2019</b> , 13, 1694-1702	16.7	89
119	Capacitance improvements of V4C3T by NH3 annealing. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 784, 923-930	5.7	20
118	Three-Dimensional Porous Hierarchically Architected Li3VO4 Anode Materials for High-Performance Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 354-362	6.1	16
117	Evolution of structure, magnetism and ferroelectricity in the (1-x)BiFeO3-xBa0.5Sr0.5MnO3(0≤x≤1) solid solutions. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 774, 515-521	5.7	4
116	Mobility spectrum analytical approach for the type-II Weyl semimetal Td-MoTe2. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 072401	3.4	3
115	Influence of La/Mn substitutions on magnetic properties of M-type strontium hexaferrites. <i>AIP Advances</i> , <b>2018</b> , 8, 056235	1.5	5
114	The effects of quenching on electrical properties, and leakage behaviors of 0.67BiFeO3/0.33BaTiO3 solid solutions. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 7311-7317	2.1	12
113	Magnetolectric and Raman spectroscopic studies of monocrystalline MnCr2O4. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	13
112	Critical behavior of two-dimensional intrinsically ferromagnetic semiconductor CrI3. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 072405	3.4	35
111	Ultrahigh energy storage in lead-free BiFeO3/Bi3.25La0.75Ti3O12 thin film capacitors by solution processing. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 033904	3.4	52
110	La2/3Sr1/3VO3 Thin Films: A New p-Type Transparent Conducting Oxide with Very High Figure of Merit. <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1700476	6.4	30
109	Acceleration of Kirkendall effect processes in silicon nanospheres using magnetic fields. <i>CrystEngComm</i> , <b>2018</b> , 20, 710-715	3.3	9
108	Enhanced electrochemical performance of Li1.2Ni0.2Mn0.6O2 cathode materials through facile layered/spinel phase tuning. <i>Journal of Solid State Electrochemistry</i> , <b>2018</b> , 22, 2587-2596	2.6	5
107	Modified electrical properties of chemical solution deposited epitaxial BiFeO3 thin films by Mn substitution. <i>Ceramics International</i> , <b>2018</b> , 44, 11658-11664	5.1	12
106	Enhanced mechanical properties and large magnetocaloric effect in epoxy-bonded Mn0.98CoGe. <i>Scripta Materialia</i> , <b>2018</b> , 150, 96-100	5.6	18
105	Transparent Conducting Oxides: La2/3Sr1/3VO3 Thin Films: A New p-Type Transparent Conducting Oxide with Very High Figure of Merit (Adv. Electron. Mater. 3/2018). <i>Advanced Electronic Materials</i> , <b>2018</b> , 4, 1870016	6.4	1
104	Growth, Microstructures, and Optoelectronic Properties of Epitaxial BaSn1-xSbxO3 Thin Films by Chemical Solution Deposition. <i>ACS Applied Energy Materials</i> , <b>2018</b> , 1, 1585-1593	6.1	8
103	Effects of Co doping on structural, magnetic, and electrical properties of 0.6BiFeO3-0.4(Bi0.5K0.5)TiO3 solid solution. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 730, 119-126	5.7	6

102	p-type transparent conductivity in high temperature superconducting Bi-2212 thin films. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 251109	3.4	5
101	Planar Hall effect in the type-II Weyl semimetal TdMoTe <sub>2</sub> . <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	29
100	The enhanced cycling stability and rate capability of sodium-modified Li <sub>3</sub> VO <sub>4</sub> anode material for lithium-ion batteries. <i>Solid State Ionics</i> , <b>2018</b> , 322, 30-38	3.3	18
99	Electric dipoles via Cr <sup>3+</sup> (d <sup>3</sup> ) ion off-center displacement in perovskite DyCrO <sub>3</sub> . <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	7
98	Ni doping dependent dielectric, leakage, ferroelectric and magnetic properties in Bi <sub>7</sub> Fe <sub>3</sub> Ni <sub>x</sub> Ti <sub>3</sub> O <sub>21</sub> thin films. <i>Applied Surface Science</i> , <b>2018</b> , 440, 484-490	6.7	12
97	Evolution of structure and ferroelectricity in Aurivillius Bi <sub>4</sub> Bi <sub>n</sub> FenBTi <sub>3</sub> O <sub>3n+3</sub> thin films. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 8618-8627	7.1	22
96	Energy storage properties in BaTiO <sub>3</sub> -Bi <sub>3.25</sub> La <sub>0.75</sub> Ti <sub>3</sub> O <sub>12</sub> thin films. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 183902	3.4	25
95	Anomalous Hall effect of the quasi-two-dimensional weak itinerant ferromagnet Cr <sub>4</sub> Te <sub>8</sub> . <i>Europhysics Letters</i> , <b>2018</b> , 124, 67005	1.6	14
94	Negative and positive photodielectric effects in quantum paraelectric BaFe <sub>12</sub> O <sub>19</sub> single crystals. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 12707-12713	7.1	1
93	Structure modulation induced enhancement of microwave absorption in WS <sub>2</sub> nanosheets. <i>Applied Physics Letters</i> , <b>2018</b> , 113, 243102	3.4	17
92	Origin of the structural phase transition in single-crystal TaTe <sub>2</sub> . <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	11
91	Good comprehensive performance of Laves phase Hf <sub>1-x</sub> TaxFe <sub>2</sub> as negative thermal expansion materials. <i>Acta Materialia</i> , <b>2018</b> , 161, 258-265	8.4	33
90	Effects of La doping on structural, magnetic, and ferroelectric properties of Aurivillius Bi <sub>6</sub> Fe <sub>1.4</sub> Co <sub>0.6</sub> Ti <sub>3</sub> O <sub>18</sub> thin films. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 20133-20140	3.1	3
89	Fabrication and electrochemical performance of delafossite CuFeO <sub>2</sub> particles as a stable anode material for lithium-ion batteries. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 19454-19460	3.1	2
88	Origin of the extremely large magnetoresistance in topological semimetal PtSn <sub>4</sub> . <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	12
87	Facile chemical solution synthesis of p-type delafossite Ag-based transparent conducting AgCrO <sub>2</sub> films in an open condition. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 1885-1892	7.1	30
86	Manipulating superconductivity of 1T-TiTe <sub>2</sub> by high pressure. <i>Journal of Materials Chemistry C</i> , <b>2017</b> , 5, 4167-4173	7.1	15
85	Magnetocaloric effect and influence of Fe/Cr disorder on the magnetization reversal and dielectric relaxation in RFe <sub>0.5</sub> Cr <sub>0.5</sub> O <sub>3</sub> systems. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 192904	3.4	28



84	Optimization of Rate Capability and Cyclability Performance in Li VO Anode Material through Ca Doping. <i>Chemistry - A European Journal</i> , <b>2017</b> , 23, 16338-16345	4.8	19
83	Edge-controlled half-metallic ferromagnetism and direct-gap semiconductivity in ZrS <sub>2</sub> nanoribbons. <i>RSC Advances</i> , <b>2017</b> , 7, 33408-33412	3.7	6
82	Room temperature multiferrocity and magnetodielectric properties of ternary (1-x) (0.94Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -0.06BaTiO <sub>3</sub> )-xBiFeO <sub>3</sub> (0 ≤ x ≤ 0.9) solid solutions. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 112902	3.4	13
81	Retention Characteristics of Five-Layered Aurivillius Films With Large Polarization. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2017</b> , 11, 1700278	2.5	4
80	Anomalous Hall effect in two-dimensional non-collinear antiferromagnetic semiconductor Cr <sub>0.68</sub> Se. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 022401	3.4	9
79	Manipulation of type-I and type-II Dirac points in PdTe <sub>2</sub> superconductor by external pressure. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	48
78	Temperature and field induced spin reorientation and dielectric properties in YCr <sub>0.88</sub> Fe <sub>0.12</sub> O <sub>3</sub> single crystal. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 072402	3.4	1
77	Structural, magnetic, and dielectric properties of W/Cr co-substituted Aurivillius Bi <sub>5</sub> FeTi <sub>3</sub> O <sub>15</sub> . <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 726, 1040-1046	5.7	14
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74	Surface modification effects on coercivity of the CoFe <sub>2</sub> O <sub>4</sub> thin films with different thickness La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> layers. <i>Journal of Applied Physics</i> , <b>2017</b> , 121, 245305	2.5	5
73	Tricritical behavior of the two-dimensional intrinsically ferromagnetic semiconductor CrGeTe <sub>3</sub> . <i>Physical Review B</i> , <b>2017</b> , 95,	3.3	73
72	Multiferroic property, dielectric response, and scaling behavior in Aurivillius Bi <sub>4.25</sub> Gd <sub>0.75</sub> Fe <sub>0.5</sub> Co <sub>0.5</sub> Ti <sub>3</sub> O <sub>15</sub> ceramic. <i>Journal of Alloys and Compounds</i> , <b>2017</b> , 695, 2556-2562	5.7	14
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70	BiFeO <sub>3</sub> (00l)/LaNiO <sub>3</sub> /Si thin films with enhanced polarization: an all-solution approach. <i>RSC Advances</i> , <b>2016</b> , 6, 78629-78635	3.7	19
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36	Size Effects on Magnetic Properties of Ni <sub>0.5</sub> Zn <sub>0.5</sub> Fe <sub>2</sub> O <sub>4</sub> Prepared by Sol-Gel Method. <i>Advances in Materials Science and Engineering</i> , <b>2013</b> , 2013, 1-10	1.5	20
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