

# Shan-Tao Zhang

## List of Publications by Citations

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124  
papers

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31  
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131  
ext. papers

4,764  
ext. citations

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avg, IF

5.34  
L-index

#	Paper	IF	Citations
124	Giant strain in lead-free piezoceramics $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3\text{BaTiO}_3\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ system. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 112906	3.4	660
123	Lead-free piezoceramics with giant strain in the system $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3\text{BaTiO}_3\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ . I. Structure and room temperature properties. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 034107	2.5	253
122	Morphotropic phase boundary in $(1-x)\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3-x\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ lead-free piezoceramics. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 222902	3.4	204
121	Semiconductor/relaxor 0-3 type composites without thermal depolarization in $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3$ -based lead-free piezoceramics. <i>Nature Communications</i> , <b>2015</b> , 6, 6615	17.4	197
120	Lead-free piezoceramics with giant strain in the system $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3\text{BaTiO}_3\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ . II. Temperature dependent properties. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 034108	2.5	180
119	Temperature-Dependent Electrical Properties of $0.94\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3\text{0.06BaTiO}_3$ Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2008</b> , 91, 3950-3954	3.8	146
118	Exceptionally High Piezoelectric Coefficient and Low Strain Hysteresis in Grain-Oriented $(\text{Ba}, \text{Ca})(\text{Ti}, \text{Zr})\text{O}$ through Integrating Crystallographic Texture and Domain Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 29863-29871	9.5	114
117	Programmable transition metal dichalcogenide homojunctions controlled by nonvolatile ferroelectric domains. <i>Nature Electronics</i> , <b>2020</b> , 3, 43-50	28.4	98
116	The temperature-dependent electrical properties of $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3\text{BaTiO}_3\text{Bi}_{0.5}\text{K}_{0.5}\text{TiO}_3$ near the morphotropic phase boundary. <i>Acta Materialia</i> , <b>2012</b> , 60, 469-475	8.4	91
115	Experimental Observation of Anisotropic Adler-Bell-Jackiw Anomaly in Type-II Weyl Semimetal $\text{WTe}_{1.98}$ Crystals at the Quasiclassical Regime. <i>Physical Review Letters</i> , <b>2017</b> , 118, 096603	7.4	81
114	Stress-induced phase transition in lead-free relaxor ferroelectric composites. <i>Acta Materialia</i> , <b>2017</b> , 136, 271-280	8.4	75
113	Structure, optical, and magnetic properties of sputtered manganese and nitrogen-codoped ZnO films. <i>Applied Physics Letters</i> , <b>2006</b> , 88, 082111	3.4	68
112	Phase diagram and electrostrictive properties of $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3\text{BaTiO}_3\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ ceramics. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 122901	3.4	66
111	A review on the development of lead-free ferroelectric energy-storage ceramics and multilayer capacitors. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 16648-16667	7.1	63
110	MoTe p-n Homojunctions Defined by Ferroelectric Polarization. <i>Advanced Materials</i> , <b>2020</b> , 32, e1907937	24	60
109	Complete set of material constants of $0.95(\text{Na}_{0.5}\text{Bi}_{0.5})\text{TiO}_3\text{-0.05BaTiO}_3$ lead-free piezoelectric single crystal and the delineation of extrinsic contributions. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 122905	3.4	60
108	Enhanced pyroelectric property in $(1-x)(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3\text{-xBa}(\text{Zr}_{0.05}\text{Ti}_{0.945})\text{O}_3$ : Role of morphotropic phase boundary and ferroelectric-antiferroelectric phase transition. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 182906	3.4	59

107	Magnetic and transport properties of (Mn, Co)-codoped ZnO films prepared by radio-frequency magnetron cosputtering. <i>Journal of Applied Physics</i> , <b>2005</b> , 98, 053908	2.5	58
106	Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -BaTiO <sub>3</sub> -K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> :ZnO relaxor ferroelectric composites with high breakdown electric field and large energy storage properties. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 4946-4952	6	56
105	Zero Thermal Expansion in Magnetic and Metallic Tb(Co,Fe) Intermetallic Compounds. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 602-605	16.4	54
104	Enhanced electromechanical properties and phase transition temperatures in [001] textured 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> ternary ceramics. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 082902	3.4	52
103	Tunable semimetallic state in compressive-strained SrIrO <sub>3</sub> films revealed by transport behavior. <i>Physical Review B</i> , <b>2015</b> , 91,	3.3	50
102	Morphotropic phase boundary and electrical properties in (1-x)Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -xBi(Zn <sub>0.5</sub> Ti <sub>0.5</sub> )O <sub>3</sub> lead-free piezoceramics. <i>Journal of Applied Physics</i> , <b>2010</b> , 107, 114110	2.5	49
101	Spin-Glass-Like Behavior and Topological Hall Effect in SrRuO/SrIrO Superlattices for Oxide Spintronics Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 3201-3207	9.5	45
100	Enhanced Piezoelectric Properties and Thermal Stability in the (K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> :ZnO Lead-Free Piezoelectric Composites. <i>Journal of the American Ceramic Society</i> , <b>2015</b> , 98, 3935-3941	3.8	42
99	Relaxor/antiferroelectric composites: a solution to achieve high energy storage performance in lead-free dielectric ceramics. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 5681-5691	7.1	40
98	Enhanced photocatalytic efficiency of CN/BiFeO heterojunctions: the synergistic effects of band alignment and ferroelectricity. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 3648-3657	3.6	37
97	Significantly Enhanced Energy-Harvesting Performance and Superior Fatigue-Resistant Behavior in [001]-Textured BaTiO <sub>3</sub> -Based Lead-Free Piezoceramics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 31488-31497	9.5	35
96	Broadband gradient impedance matching using an acoustic metamaterial for ultrasonic transducers. <i>Scientific Reports</i> , <b>2017</b> , 7, 42863	4.9	33
95	Phase Diagram and Enhanced Piezoelectric Response of Lead-Free BaTiO <sub>3</sub> -CaTiO <sub>3</sub> -BaHfO <sub>3</sub> System. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 3244-3251	3.8	33
94	Giant positive magnetoresistance in half-metallic double-perovskite SrCrWO thin films. <i>Science Advances</i> , <b>2017</b> , 3, e1701473	14.3	32
93	Ultrahigh energy harvesting properties in textured lead-free piezoelectric composites. <i>Journal of Materials Chemistry A</i> , <b>2019</b> , 7, 3603-3611	13	28
92	Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> :ZnO lead-free piezoelectric composites with deferred thermal depolarization. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 232904	3.4	28
91	Significant ferrimagnetism observed in Aurivillius Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> doped by antiferromagnetic LaFeO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2011</b> , 98, 212501	3.4	27
90	Sensitively Temperature-Dependent Spin-Orbit Coupling in SrIrO <sub>3</sub> Thin Films. <i>Journal of the Physical Society of Japan</i> , <b>2014</b> , 83, 054707	1.5	26

89	Thermally-stable large strain in Bi(Mn <sub>0.5</sub> Ti <sub>0.5</sub> )O <sub>3</sub> modified 0.8Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -0.2Bi <sub>0.5</sub> K <sub>0.5</sub> TiO <sub>3</sub> ceramics. <i>Journal of the European Ceramic Society</i> , <b>2019</b> , 39, 1827-1836	6	26
88	Dramatically decreased magnetoresistance in non-stoichiometric WTe <sub>2</sub> crystals. <i>Scientific Reports</i> , <b>2016</b> , 6, 26903	4.9	25
87	Highly enhanced thermal stability in quenched Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> -based lead-free piezoceramics. <i>Journal of the European Ceramic Society</i> , <b>2019</b> , 39, 4705-4711	6	24
86	Enhanced Multiferroic and Magnetocapacitive Properties of (1-x)Ba <sub>0.7</sub> Ca <sub>0.3</sub> TiO <sub>3</sub> -xBiFeO <sub>3</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 816-825	3.8	24
85	Phase transition behavior and high piezoelectric properties in lead-free BaTiO <sub>3</sub> -CaTiO <sub>3</sub> -BaHfO <sub>3</sub> ceramics. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 62-69	4.3	24
84	Ultrahigh photoresponsivity MoS photodetector with tunable photocurrent generation mechanism. <i>Nanotechnology</i> , <b>2018</b> , 29, 485204	3.4	24
83	The metallic interface between insulating NdGaO <sub>3</sub> and SrTiO <sub>3</sub> perovskites. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 201602	3.4	23
82	Ultrahigh energy storage density in lead-free relaxor antiferroelectric ceramics via domain engineering. <i>Energy Storage Materials</i> , <b>2021</b> , 43, 383-390	19.4	23
81	Phase Characteristics and Piezoelectric Properties in the Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -BaTiO <sub>3</sub> -K <sub>0.5</sub> Na <sub>0.5</sub> NbO <sub>3</sub> System. <i>Journal of the American Ceramic Society</i> , <b>2010</b> , 93, 1561	3.8	22
80	Mn doping effects on electric properties of 0.93(Bi <sub>0.5</sub> Na <sub>0.5</sub> )TiO <sub>3</sub> -0.07Ba(Ti <sub>0.945</sub> Zr <sub>0.055</sub> )O <sub>3</sub> ceramics. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 101, 2996-3004	3.8	21
79	Photoluminescence and Temperature Dependent Electrical Properties of Er-Doped 0.94Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -0.06BaTiO <sub>3</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 3877-3882	3.8	21
78	Structure, Magnetism, and Tunable Negative Thermal Expansion in (Hf,Nb)Fe <sub>2</sub> Alloys. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 7078-7082	9.6	20
77	Morphotropic phase boundary and electric properties in (1-x)Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -xBiCoO <sub>3</sub> lead-free piezoelectric ceramics. <i>Journal of Applied Physics</i> , <b>2012</b> , 111, 124113	2.5	20
76	Progress and perspective of high strain NBT-based lead-free piezoceramics and multilayer actuators. <i>Journal of Materiomics</i> , <b>2021</b> , 7, 508-544	6.7	20
75	Temperature dependent structures and properties of Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -based lead free piezoelectric composite. <i>Dalton Transactions</i> , <b>2016</b> , 45, 10891-6	4.3	18
74	Mechanisms of enhanced thermal stability of polarization in lead-free (Bi <sub>1/2</sub> Na <sub>1/2</sub> ) <sub>0.94</sub> Ba <sub>0.06</sub> TiO <sub>3</sub> /ZnO ceramic composites. <i>Physical Review Materials</i> , <b>2019</b> , 3,	3.2	18
73	Enhanced energy storage properties of lead-free NaNbO <sub>3</sub> -based ceramics via A/B-site substitution. <i>Chemical Engineering Journal</i> , <b>2021</b> , 422, 130130	14.7	18
72	Phase transitional behavior and electrical properties of 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> ternary ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 1874-1880	2.1	17

71	Negative thermal expansion in (Sc,Ti)Fe <sub>2</sub> induced by an unconventional magnetovolume effect. <i>Materials Horizons</i> , <b>2020</b> , 7, 275-281	14.4	17
70	Shubnikov-De Haas oscillations in bulk ZrTe <sub>5</sub> single crystals: Evidence for a weak topological insulator. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	16
69	Densification behavior and electrical properties of CuO-doped 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> ternary ceramics. <i>Ceramics International</i> , <b>2016</b> , 42, 7223-7229	5.1	16
68	ZnO-enhanced electrical properties of Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -based incipient ferroelectrics. <i>Journal of the American Ceramic Society</i> , <b>2017</b> , 100, 5659-5667	3.8	16
67	Strong correlation of the growth mode and electrical properties of BiCuSeO single crystals with growth temperature. <i>CrystEngComm</i> , <b>2015</b> , 17, 6136-6141	3.3	14
66	High temperature solution growth, chemical depotassiation and growth mechanism of KxRhO <sub>2</sub> crystals. <i>CrystEngComm</i> , <b>2013</b> , 15, 5050	3.3	14
65	Quantitative control of Fe/Mo anti-site defect and its effects on the properties of Sr <sub>2</sub> FeMoO <sub>6</sub> . <i>CrystEngComm</i> , <b>2013</b> , 15, 4601	3.3	14
64	Electromechanical Response from LaAlO <sub>3</sub> /SrTiO <sub>3</sub> Heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 10146-51	9.5	13
63	Mobility-controlled extremely large magnetoresistance in perfect electron-hole compensated Weyl semimetals. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	13
62	Structural Evolving Sequence and Porous Ba <sub>6</sub> Zr <sub>2</sub> Nb <sub>8</sub> O <sub>30</sub> Ferroelectric Ceramics with Ultrahigh Breakdown Field and Zero Strain. <i>Journal of the American Ceramic Society</i> , <b>2013</b> , 96, 555-560	3.8	13
61	Formation mechanism of (001) oriented perovskite SrTiO <sub>3</sub> microplatelets synthesized by topochemical microcrystal conversion. <i>Inorganic Chemistry</i> , <b>2014</b> , 53, 11060-7	5.1	13
60	Composition-Dependent Microstructures and Properties of La-, Zn-, and Cr-Modified 0.675BiFeO <sub>3</sub> 0.325BaTiO <sub>3</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2016</b> , 99, 2989-2994	3.8	13
59	Electron-electron scattering dominated electrical and magnetotransport properties in the quasi-two-dimensional Fermi liquid single-crystal Bi <sub>2</sub> O <sub>2</sub> Se. <i>Physical Review B</i> , <b>2019</b> , 99,	3.3	11
58	Topochemical transformation of single crystalline SrTiO <sub>3</sub> microplatelets from Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> precursors and their orientation-dependent surface piezoelectricity. <i>CrystEngComm</i> , <b>2018</b> , 20, 3084-3093	3.3	10
57	The Competitive and Combining Effects of Grain Boundary and Fe/Mo Antisite Defects on the Low-Field Magnetoresistance in Sr <sub>2</sub> FeMoO <sub>6</sub> . <i>Journal of the American Ceramic Society</i> , <b>2014</b> , 97, 1137-1142	2.8	10
56	Phase Transition and Electrical Properties of Ba <sub>0.7</sub> Ca <sub>0.3</sub> TiO <sub>3</sub> BiFeO <sub>3</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , <b>2012</b> , 95, 3901-3905	3.8	9
55	Energy storage property of (Pb <sub>0.97</sub> La <sub>0.02</sub> )(Zr <sub>0.5</sub> Sn <sub>0.4</sub> Ti <sub>0.1</sub> )O <sub>3</sub> -(Na <sub>0.5</sub> Bi <sub>0.5</sub> ) <sub>0.94</sub> Ba <sub>0.06</sub> TiO <sub>3</sub> ceramics: Effects of antiferroelectric-relaxor transition and improved breakdown strength. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 2996-3002	6	8
54	Domain structures and piezoelectric properties of low-temperature sintered (Ba <sub>0.95</sub> Ca <sub>0.05</sub> )(Ti <sub>0.94</sub> Sn <sub>0.06</sub> )O <sub>3</sub> ceramics with CuO additive. <i>Materials Letters</i> , <b>2016</b> , 177, 128-131	3.3	8

53	Structural stability of layered n-LaFeO <sub>3</sub> -Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> , BiFeO <sub>3</sub> -Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> , and SrTiO <sub>3</sub> -Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> thin films. <i>Journal of Materials Research</i> , <b>2012</b> , 27, 2956-2964	2.5	8
52	Structure and excellent visible light catalysis of Prussian blue analogues BiFe(CN) <sub>6</sub> ·4H <sub>2</sub> O. <i>Inorganic Chemistry Frontiers</i> , <b>2018</b> , 5, 438-445	6.8	8
51	Improved Curie temperature, electromechanical properties and thermal stability in ZnO-modified 0.68Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -0.32PbTiO <sub>3</sub> ceramics with coexisting monoclinic and tetragonal phases. <i>Journal of the European Ceramic Society</i> , <b>2018</b> , 38, 1456-1462	6	8
50	Evolution of polar nano-regions under electric field around ferro-paraelectric transition temperature and its contribution to piezoelectric property in Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -0.30PbTiO <sub>3</sub> crystal. <i>Ceramics International</i> , <b>2018</b> , 44, 18084-18089	5.1	8
49	Synthesis, structures and properties of single phase BiFeO <sub>3</sub> and Bi <sub>2</sub> Fe <sub>4</sub> O <sub>9</sub> powders by hydrothermal method. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2015</b> , 26, 6887-6891	2.1	7
48	Ultra-low thermal conductivities along c-axis of naturally misfit layered Bi <sub>2</sub> [AE] <sub>2</sub> Co <sub>2</sub> O <sub>y</sub> (AE = Ca, Ca <sub>0.5</sub> Sr <sub>0.5</sub> , Sr, Ba) single crystals. <i>Applied Physics Letters</i> , <b>2017</b> , 111, 033902	3.4	7
47	Significant ferrimagnetisms observed in superlattice composed of antiferromagnetic LaFeO <sub>3</sub> and YMnO <sub>3</sub> . <i>Applied Physics Letters</i> , <b>2013</b> , 102, 042403	3.4	7
46	Microstructure and ferromagnetic property in CaRuO <sub>3</sub> thin films with pseudoheterostructure. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 182502	3.4	7
45	Two-dimensional series connected photovoltaic cells defined by ferroelectric domains. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 073101	3.4	6
44	Morphotropic phase boundary and electric properties in (1-x)Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -xBaSnO <sub>3</sub> lead-free piezoelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2013</b> , 24, 4080-4084	2.1	6
43	Domain structure and evolution in ZnO-modified Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -0.32PbTiO <sub>3</sub> ceramics. <i>Journal of the American Ceramic Society</i> , <b>2019</b> , 102, 4874-4881	3.8	6
42	Bi(Zn <sub>0.5</sub> Ti <sub>0.5</sub> )O <sub>3</sub> induced domain evolution and its effect on electrical property and thermal stability of 0.8Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -0.2Bi <sub>0.5</sub> K <sub>0.5</sub> TiO <sub>3</sub> ceramics. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 810, 151942	5.7	5
41	Lattice dynamics of KxRhO <sub>2</sub> single crystals. <i>AIP Advances</i> , <b>2015</b> , 5, 087111	1.5	5
40	Electrical properties of 0.94Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -0.06Ba(Zr <sub>0.055</sub> Ti <sub>0.945</sub> )O <sub>3</sub> lead-free ceramics with high thermal stability. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2018</b> , 29, 2357-2362	2.1	5
39	Thickness dependent microstructures and properties of Sr <sub>2</sub> Fe <sub>10/9</sub> Mo <sub>8/9</sub> O <sub>6</sub> films grown in N <sub>2</sub> . <i>Solid State Communications</i> , <b>2013</b> , 163, 28-32	1.6	5
38	The relationship between anisotropic magnetoresistance and topology of Fermi surface in Td-MoTe <sub>2</sub> crystal. <i>Journal of Applied Physics</i> , <b>2017</b> , 122, 045102	2.5	5
37	Exchange-biased nanocomposite ferromagnetic insulator. <i>Physical Review B</i> , <b>2020</b> , 101,	3.3	4
36	High pyroelectric performance due to ferroelectric-antiferroelectric transition near room temperature. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 7820-7827	7.1	4



35	Room temperature ferromagnetism in triple perovskite Sr <sub>3</sub> CrFeMoO <sub>9</sub> . <i>Journal of Materials Science: Materials in Electronics</i> , <b>2013</b> , 24, 4970-4973	2.1	4
34	Morphotropic phase boundary in (1-x)Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -x(Bi <sub>0.8</sub> La <sub>0.2</sub> )FeO <sub>3</sub> with improved depolarization temperature. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2009</b> , 3, 245-247	2.5	4
33	Phase/domain structure and enhanced thermal stable ferro-/pyroelectric properties of (1-x)0.94Na <sub>0.48</sub> Bi <sub>0.44</sub> TiO <sub>3</sub> -0.06BaTiO <sub>3</sub> :xZnO ceramics. <i>Journal of the European Ceramic Society</i> , <b>2020</b> , 40, 699-705	6	4
32	Chemical strain-dependent two-dimensional transport at RAlO <sub>3</sub> /SrTiO <sub>3</sub> interfaces (R=La,Nd,Sm,and Gd). <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	4
31	Structural and electrical properties of ZnO-modified (1-x)Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -xPbTiO <sub>3</sub> ceramics with wide MPB regions. <i>Journal of the American Ceramic Society</i> , <b>2018</b> , 102, 1866	3.8	4
30	Bimodal hybrid lightweight sound-absorbing material with high stiffness. <i>Applied Physics Express</i> , <b>2019</b> , 12, 035002	2.4	3
29	Room-Temperature Multiferroics and Thermal Conductivity of 0.85BiFeTiMgO-0.15CaTiO Epitaxial Thin Films (x = 0.1 and 0.2). <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 25397-25403	9.5	3
28	The critical role of spin rotation in the giant magnetostriction of La(Fe,Al) <sub>13</sub> . <i>Science China Materials</i> , <b>2021</b> , 64, 1238-1245	7.1	3
27	The significant and temperature-insensitive magnetoresistance observed in Co-doped (La <sub>0.7</sub> Sr <sub>0.3</sub> )MnO <sub>3</sub> thin films. <i>AIP Advances</i> , <b>2019</b> , 9, 015327	1.5	3
26	Large, thermally stabilized and fatigue-resistant piezoelectric strain response in textured relaxor-PbTiO <sub>3</sub> ferroelectric ceramics. <i>Journal of Materials Chemistry C</i> , <b>2021</b> , 9, 2008-2015	7.1	3
25	Composition-sensitive electrical properties of charge nonstoichiometric 0.94Bi <sub>0.5</sub> +xNa <sub>0.5</sub> -xTiO <sub>3</sub> -0.06BaTiO <sub>3</sub> ceramics. <i>Journal of Advanced Dielectrics</i> , <b>2019</b> , 09, 1950012	1.3	2
24	Thermally stable energy storage properties in relaxor BNT-6BT-modified antiferroelectric PZNST ceramics. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 5769-5777	3.8	2
23	Transition in temperature scaling behaviors and super temperature stable polarization in BiScO <sub>3</sub> -PbZrO <sub>3</sub> -PbTiO <sub>3</sub> system. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 3691-3697	3.8	2
22	The Microstructural Characterization of Multiferroic LaFeO <sub>3</sub> /MnO <sub>2</sub> Multilayers Grown on (001)- and (111)-SrTiO <sub>3</sub> Substrates by Transmission Electron Microscopy. <i>Materials</i> , <b>2017</b> , 10,	3.5	2
21	Crossover from negative to positive magnetoresistance in SrCrWO/SrFeMoO superlattices. <i>Journal of Physics Condensed Matter</i> , <b>2019</b> , 31, 225001	1.8	2
20	Microstructure and magnetic properties of a novel 10-H hexagonal perovskite nanosheet in a BiFeCrO <sub>3</sub> system. <i>RSC Advances</i> , <b>2012</b> , 2, 5683	3.7	2
19	Non-hydrostatic pressure-dependent structural and transport properties of BiCuSeO and BiCuSO single crystals. <i>Journal of Physics Condensed Matter</i> , <b>2021</b> , 33, 105702	1.8	2
18	Tetragonal (Ba, Ca) (Zr, Ti)O <sub>3</sub> textured ceramics with enhanced piezoelectric response and superior temperature stability. <i>Journal of Materiomics</i> , <b>2021</b> , 8, 366-366	6.7	2

17	Microstructure, ferroelectric and piezoelectric properties of MnO <sub>2</sub> -modified Ba <sub>0.70</sub> Ca <sub>0.30</sub> TiO <sub>3</sub> lead-free ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2020</b> , 31, 9352-9365	2.1	1
16	Realizing a ferroelectric state and high pyroelectric performance in antiferroelectric-oxide composites. <i>Dalton Transactions</i> , <b>2020</b> , 49, 9728-9734	4.3	1
15	Simultaneously enhanced ferroelectric and magnetic properties in 0.675BiFe <sub>1-x</sub> Cr <sub>x</sub> O <sub>3</sub> ·3.25PbTiO <sub>3</sub> (x = 0.05) ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2017</b> , 28, 2435-2441	2.1	1
14	Magnetic and electrical transport properties of Pb <sub>1-x</sub> La <sub>x</sub> Ti <sub>1-x</sub> Mn <sub>x</sub> O <sub>3</sub> ceramics. <i>AIP Advances</i> , <b>2012</b> , 2, 032156	1.5	1
13	ELECTRIC PROPERTIES OF LAYERED PEROVSKITE Sr <sub>0.8</sub> A <sub>0.1</sub> Bi <sub>2.1</sub> Ta <sub>1.5</sub> Nb <sub>0.5</sub> O <sub>9</sub> THIN FILMS (A = LA, PR). <i>Integrated Ferroelectrics</i> , <b>2006</b> , 79, 187-193	0.8	1
12	Composition-dependent microstructure and electrical property of (1-x)SBN-xBNBT solid solutions. <i>Journal of the American Ceramic Society</i> , <b>2020</b> , 103, 6913-6921	3.8	1
11	Composition-dependent electrical property of (1-x)Sr <sub>0.75</sub> Ba <sub>0.25</sub> Nb <sub>2</sub> O <sub>6</sub> -xPbZr <sub>0.52</sub> Ti <sub>0.48</sub> O <sub>3</sub> solid solution ceramics. <i>Journal of the European Ceramic Society</i> , <b>2021</b> , 41, 2435-2442	6	1
10	High Energy Storage Performance in Ba <sub>0.85</sub> Ca <sub>0.15</sub> Zr <sub>0.1</sub> Ti <sub>0.9</sub> O <sub>3</sub> -ZnO Hybrid Perovskite Solid Solution Thin Films. <i>Advanced Electronic Materials</i> , 2200243	6.4	1
9	Energy storage properties of (1-x)(Pb <sub>0.97</sub> La <sub>0.02</sub> )(Zr <sub>0.5</sub> Sn <sub>0.4</sub> Ti <sub>0.1</sub> )O <sub>3</sub> :xSnO <sub>2</sub> composite ceramics. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 873, 159768	5.7	0
8	In situ TEM observation on the ferroelectric-antiferroelectric transition in Pb(Nb,Zr,Sn,Ti)O <sub>3</sub> /ZnO. <i>Journal of the American Ceramic Society</i> ,	3.8	0
7	Relaxor-normal ferroelectric transition in (1-x)Sr <sub>0.75</sub> Ba <sub>0.25</sub> Nb <sub>2</sub> O <sub>6</sub> -xNaNbO <sub>3</sub> ceramics. <i>Applied Physics Letters</i> , <b>2022</b> , 120, 182902	3.4	0
6	Enhanced relaxor behavior and thermal- and frequency-insensitive strain of (Na <sub>0.5</sub> Bi <sub>0.5</sub> ) <sub>0.93</sub> Ba <sub>0.07</sub> Ti <sub>1-x</sub> (Mn <sub>1/3</sub> Nb <sub>2/3</sub> ) <sub>x</sub> O <sub>3</sub> ceramics. <i>Journal of Applied Physics</i> , <b>2020</b> , 127, 194101	2.5	
5	The microstructure and magnetic property of TiO <sub>2</sub> -terminated SrTiO <sub>3</sub> substrate selected growth cubic phase CaRuO <sub>3</sub> film. <i>Crystal Research and Technology</i> , <b>2013</b> , 48, 546-554	1.3	
4	Initial growth of Bi <sub>4</sub> LaTi <sub>3</sub> FeO <sub>15</sub> thin films on SrTiO <sub>3</sub> , MgO and YSZ substrates. <i>Crystal Research and Technology</i> , <b>2012</b> , 47, 663-670	1.3	
3	Raman Spectra of Sr <sub>m-3</sub> Bi <sub>4</sub> Ti <sub>m</sub> O <sub>3m+3</sub> Thin Films. <i>Materials Research Society Symposia Proceedings</i> , <b>2003</b> , 784, 3171		
2	Phase transition, ferroelectric and piezoelectric properties of B-site complex cations (Fe <sub>0.5</sub> Nb <sub>0.5</sub> ) <sub>4+</sub> -modified Ba <sub>0.70</sub> Ca <sub>0.30</sub> TiO <sub>3</sub> ceramics. <i>Ceramics International</i> , <b>2020</b> , 46, 9519-9529	5.1	
1	Copper foam sustained silica aerogel for high-efficiency acoustic absorption. <i>AIP Advances</i> , <b>2019</b> , 9, 015209		