

Shan-Tao Zhang

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/5406484/shan-tao-zhang-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

124
papers

4,004
citations

31
h-index

61
g-index

131
ext. papers

4,764
ext. citations

5.1
avg, IF

5.34
L-index

#	Paper	IF	Citations
124	Relaxor-normal ferroelectric transition in $(1-x)\text{Sr}0.75\text{Ba}0.25\text{Nb}2\text{O}6-x\text{NaNbO}3$ ceramics. <i>Applied Physics Letters</i> , 2022 , 120, 182902	3.4	0
123	The critical role of spin rotation in the giant magnetostriction of $\text{La}(\text{Fe},\text{Al})_{13}$. <i>Science China Materials</i> , 2021 , 64, 1238-1245	7.1	3
122	Non-hydrostatic pressure-dependent structural and transport properties of BiCuSeO and BiCuSO single crystals. <i>Journal of Physics Condensed Matter</i> , 2021 , 33, 105702	1.8	2
121	Composition-dependent electrical property of $(1-x)\text{Sr}0.75\text{Ba}0.25\text{Nb}2\text{O}6-x\text{PbZr}0.52\text{Ti}0.48\text{O}3$ solid solution ceramics. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 2435-2442	6	1
120	Progress and perspective of high strain NBT-based lead-free piezoceramics and multilayer actuators. <i>Journal of Materiomics</i> , 2021 , 7, 508-544	6.7	20
119	Energy storage properties of $(1-x)(\text{Pb}0.97\text{La}0.02)(\text{Zr}0.5\text{Sn}0.4\text{Ti}0.1)\text{O}3:x\text{SnO}2$ composite ceramics. <i>Journal of Alloys and Compounds</i> , 2021 , 873, 159768	5.7	0
118	Tetragonal $(\text{Ba}, \text{Ca})(\text{Zr}, \text{Ti})\text{O}3$ textured ceramics with enhanced piezoelectric response and superior temperature stability. <i>Journal of Materiomics</i> , 2021 , 8, 366-366	6.7	2
117	Enhanced energy storage properties of lead-free $\text{NaNbO}3$ -based ceramics via A/B-site substitution. <i>Chemical Engineering Journal</i> , 2021 , 422, 130130	14.7	18
116	Ultrahigh energy storage density in lead-free relaxor antiferroelectric ceramics via domain engineering. <i>Energy Storage Materials</i> , 2021 , 43, 383-390	19.4	23
115	Large, thermally stabilized and fatigue-resistant piezoelectric strain response in textured relaxor- $\text{PbTiO}3$ ferroelectric ceramics. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 2008-2015	7.1	3
114	A review on the development of lead-free ferroelectric energy-storage ceramics and multilayer capacitors. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 16648-16667	7.1	63
113	Microstructure, ferroelectric and piezoelectric properties of $\text{MnO}2$ -modified $\text{Ba}0.70\text{Ca}0.30\text{TiO}3$ lead-free ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 9352-9365	2.1	1
112	Enhanced relaxor behavior and thermal- and frequency-insensitive strain of $(\text{Na}0.5\text{Bi}0.5)0.93\text{Ba}0.07\text{Ti}1-x(\text{Mn}1/3\text{Nb}2/3)x\text{O}3$ ceramics. <i>Journal of Applied Physics</i> , 2020 , 127, 194101	2.5	
111	Realizing a ferroelectric state and high pyroelectric performance in antiferroelectric-oxide composites. <i>Dalton Transactions</i> , 2020 , 49, 9728-9734	4.3	1
110	Thermally stable energy storage properties in relaxor BNT-6BT-modified antiferroelectric PZNST ceramics. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 5769-5777	3.8	2
109	Energy storage property of $(\text{Pb}0.97\text{La}0.02)(\text{Zr}0.5\text{Sn}0.4\text{Ti}0.1)\text{O}3-(\text{Na}0.5\text{Bi}0.5)0.94\text{Ba}0.06\text{TiO}3$ ceramics: Effects of antiferroelectric-relaxor transition and improved breakdown strength. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 2996-3002	6	8
108	Relaxor/antiferroelectric composites: a solution to achieve high energy storage performance in lead-free dielectric ceramics. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 5681-5691	7.1	40

107	MoTe p-n Homojunctions Defined by Ferroelectric Polarization. <i>Advanced Materials</i> , 2020 , 32, e1907937	24	60
106	Transition in temperature scaling behaviors and super temperature stable polarization in BiScO ₃ PbZrO ₃ PbTiO ₃ system. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 3691-3697	3.8	2
105	Two-dimensional series connected photovoltaic cells defined by ferroelectric domains. <i>Applied Physics Letters</i> , 2020 , 116, 073101	3.4	6
104	Programmable transition metal dichalcogenide homojunctions controlled by nonvolatile ferroelectric domains. <i>Nature Electronics</i> , 2020 , 3, 43-50	28.4	98
103	Exchange-biased nanocomposite ferromagnetic insulator. <i>Physical Review B</i> , 2020 , 101,	3.3	4
102	High pyroelectric performance due to ferroelectric-antiferroelectric transition near room temperature. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 7820-7827	7.1	4
101	Phase/domain structure and enhanced thermal stable ferro-/pyroelectric properties of (1-x)0.94Na0.48Bi0.44TiO ₃ -0.06BaTiO ₃ :xZnO ceramics. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 699-705	6	4
100	Phase transition, ferroelectric and piezoelectric properties of B-site complex cations (Fe _{0.5} Nb _{0.5}) ₄₊ -modified Ba _{0.7} Ca _{0.3} TiO ₃ ceramics. <i>Ceramics International</i> , 2020 , 46, 9519-9529	5.1	
99	Composition-dependent microstructure and electrical property of (1-x)SBN-xBNBT solid solutions. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 6913-6921	3.8	1
98	Negative thermal expansion in (Sc,Ti)Fe ₂ induced by an unconventional magnetovolume effect. <i>Materials Horizons</i> , 2020 , 7, 275-281	14.4	17
97	Bi(Zn _{0.5} Ti _{0.5})O ₃ induced domain evolution and its effect on electrical property and thermal stability of 0.8Bi _{0.5} Na _{0.5} TiO ₃ -0.2Bi _{0.5} K _{0.5} TiO ₃ ceramics. <i>Journal of Alloys and Compounds</i> , 2019 , 810, 151942	5.7	5
96	Ultrahigh energy harvesting properties in textured lead-free piezoelectric composites. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 3603-3611	13	28
95	Electron-electron scattering dominated electrical and magnetotransport properties in the quasi-two-dimensional Fermi liquid single-crystal Bi ₂ O ₂ Se. <i>Physical Review B</i> , 2019 , 99,	3.3	11
94	Bimodal hybrid lightweight sound-absorbing material with high stiffness. <i>Applied Physics Express</i> , 2019 , 12, 035002	2.4	3
93	Composition-sensitive electrical properties of charge nonstoichiometric 0.94Bi _{0.5+x} Na _{0.5-x} TiO ₃ 0.06BaTiO ₃ ceramics. <i>Journal of Advanced Dielectrics</i> , 2019 , 09, 1950012	1.3	2
92	Crossover from negative to positive magnetoresistance in SrCrWO/SrFeMoO superlattices. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 225001	1.8	2
91	Highly enhanced thermal stability in quenched Na _{0.5} Bi _{0.5} TiO ₃ -based lead-free piezoceramics. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 4705-4711	6	24
90	Mechanisms of enhanced thermal stability of polarization in lead-free (Bi _{1/2} Na _{1/2}) _{0.94} Ba _{0.06} TiO ₃ /ZnO ceramic composites. <i>Physical Review Materials</i> , 2019 , 3,	3.2	18

89	The significant and temperature-insensitive magnetoresistance observed in Co-doped (La _{0.7} Sr _{0.3})MnO ₃ thin films. <i>AIP Advances</i> , 2019 , 9, 015327	1.5	3
88	Domain structure and evolution in ZnO-modified Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.32PbTiO ₃ ceramics. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 4874-4881	3.8	6
87	Copper foam sustained silica aerogel for high-efficiency acoustic absorption. <i>AIP Advances</i> , 2019 , 9, 015209		
86	Thermally-stable large strain in Bi(Mn _{0.5} Ti _{0.5})O ₃ modified 0.8Bi _{0.5} Na _{0.5} TiO ₃ -0.2Bi _{0.5} K _{0.5} TiO ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 1827-1836	6	26
85	Topochemical transformation of single crystalline SrTiO ₃ microplatelets from Bi ₄ Ti ₃ O ₁₂ precursors and their orientation-dependent surface piezoelectricity. <i>CrystEngComm</i> , 2018 , 20, 3084-3093	3.3	10
84	Mn doping effects on electric properties of 0.93(Bi _{0.5} Na _{0.5})TiO ₃ -0.07Ba(Ti _{0.945} Zr _{0.055})O ₃ ceramics. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 2996-3004	3.8	21
83	Zero Thermal Expansion in Magnetic and Metallic Tb(Co,Fe) Intermetallic Compounds. <i>Journal of the American Chemical Society</i> , 2018 , 140, 602-605	16.4	54
82	Enhanced photocatalytic efficiency of CN/BiFeO heterojunctions: the synergistic effects of band alignment and ferroelectricity. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 3648-3657	3.6	37
81	Shubnikov-de Haas oscillations in bulk ZrTe ₅ single crystals: Evidence for a weak topological insulator. <i>Physical Review B</i> , 2018 , 97,	3.3	16
80	Electrical properties of 0.94Bi _{0.5} Na _{0.5} TiO ₃ -0.06Ba(Zr _{0.055} Ti _{0.945})O ₃ lead-free ceramics with high thermal stability. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 2357-2362	2.1	5
79	Mobility-controlled extremely large magnetoresistance in perfect electron-hole compensated W _{1/2} P _{1/2} crystals. <i>Physical Review B</i> , 2018 , 97,	3.3	13
78	Bi _{0.5} Na _{0.5} TiO ₃ -BaTiO ₃ -K _{0.5} Na _{0.5} NbO ₃ :ZnO relaxor ferroelectric composites with high breakdown electric field and large energy storage properties. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 4946-4952	6	56
77	Significantly Enhanced Energy-Harvesting Performance and Superior Fatigue-Resistant Behavior in [001]-Textured BaTiO ₃ -Based Lead-Free Piezoceramics. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 31488-31497	9.5	35
76	Structure and excellent visible light catalysis of Prussian blue analogues BiFe(CN) ₆ ·4H ₂ O. <i>Inorganic Chemistry Frontiers</i> , 2018 , 5, 438-445	6.8	8
75	Improved Curie temperature, electromechanical properties and thermal stability in ZnO-modified 0.68Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.32PbTiO ₃ ceramics with coexisting monoclinic and tetragonal phases. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 1456-1462	6	8
74	Ultrahigh photoresponsivity MoS photodetector with tunable photocurrent generation mechanism. <i>Nanotechnology</i> , 2018 , 29, 485204	3.4	24
73	Structural and electrical properties of ZnO-modified (1-x)Pb(Mg _{1/3} Nb _{2/3})O ₃ -xPbTiO ₃ ceramics with wide MPB regions. <i>Journal of the American Ceramic Society</i> , 2018 , 102, 1866	3.8	4
72	Evolution of polar nano-regions under electric field around ferro-paraelectric transition temperature and its contribution to piezoelectric property in Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.30PbTiO ₃ crystal. <i>Ceramics International</i> , 2018 , 44, 18084-18089	5.1	8

71	Spin-Glass-Like Behavior and Topological Hall Effect in SrRuO/SrIrO Superlattices for Oxide Spintronics Applications. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 3201-3207	9.5	45
70	Experimental Observation of Anisotropic Adler-Bell-Jackiw Anomaly in Type-II Weyl Semimetal WTe ₂ Crystals at the Quasiclassical Regime. <i>Physical Review Letters</i> , 2017 , 118, 096603	7.4	81
69	Broadband gradient impedance matching using an acoustic metamaterial for ultrasonic transducers. <i>Scientific Reports</i> , 2017 , 7, 42863	4.9	33
68	The Microstructural Characterization of Multiferroic LaFeO ₃ /MnO ₂ Multilayers Grown on (001)- and (111)-SrTiO ₃ Substrates by Transmission Electron Microscopy. <i>Materials</i> , 2017 , 10,	3.5	2
67	The relationship between anisotropic magnetoresistance and topology of Fermi surface in Td-MoTe ₂ crystal. <i>Journal of Applied Physics</i> , 2017 , 122, 045102	2.5	5
66	ZnO-enhanced electrical properties of Bi _{0.5} Na _{0.5} TiO ₃ -based incipient ferroelectrics. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 5659-5667	3.8	16
65	Ultra-low thermal conductivities along c-axis of naturally misfit layered Bi ₂ [AE] ₂ Co ₂ O _y (AE = Ca, Ca _{0.5} Sr _{0.5} , Sr, Ba) single crystals. <i>Applied Physics Letters</i> , 2017 , 111, 033902	3.4	7
64	Structure, Magnetism, and Tunable Negative Thermal Expansion in (Hf,Nb)Fe ₂ Alloys. <i>Chemistry of Materials</i> , 2017 , 29, 7078-7082	9.6	20
63	Exceptionally High Piezoelectric Coefficient and Low Strain Hysteresis in Grain-Oriented (Ba, Ca)(Ti, Zr)O through Integrating Crystallographic Texture and Domain Engineering. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 29863-29871	9.5	114
62	Giant positive magnetoresistance in half-metallic double-perovskite SrCrWO thin films. <i>Science Advances</i> , 2017 , 3, e1701473	14.3	32
61	Stress-induced phase transition in lead-free relaxor ferroelectric composites. <i>Acta Materialia</i> , 2017 , 136, 271-280	8.4	75
60	Room-Temperature Multiferroics and Thermal Conductivity of 0.85BiFeTiMgO-0.15CaTiO Epitaxial Thin Films (x = 0.1 and 0.2). <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 25397-25403	9.5	3
59	Simultaneously enhanced ferroelectric and magnetic properties in 0.675BiFe _{1-x} Cr _x O ₃ -0.325PbTiO ₃ (x = 0.05) ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 2435-2441	2.1	1
58	Temperature dependent structures and properties of Bi _{0.5} Na _{0.5} TiO ₃ -based lead free piezoelectric composite. <i>Dalton Transactions</i> , 2016 , 45, 10891-6	4.3	18
57	Domain structures and piezoelectric properties of low-temperature sintered (Ba _{0.95} Ca _{0.05})(Ti _{0.94} Sn _{0.06})O ₃ ceramics with CuO additive. <i>Materials Letters</i> , 2016 , 177, 128-131	3.3	8
56	Densification behavior and electrical properties of CuO-doped Pb(In _{1/2} Nb _{1/2})O ₃ Bb(Mg _{1/3} Nb _{2/3})O ₃ BbTiO ₃ ternary ceramics. <i>Ceramics International</i> , 2016 , 42, 7223-7229	5.1	16
55	Composition-Dependent Microstructures and Properties of La-, Zn-, and Cr-Modified 0.675BiFeO ₃ -0.325BaTiO ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 2989-2994	3.8	13
54	Dramatically decreased magnetoresistance in non-stoichiometric WTe ₂ crystals. <i>Scientific Reports</i> , 2016 , 6, 26903	4.9	25

53	Chemical strain-dependent two-dimensional transport at $\text{RAlO}_3/\text{SrTiO}_3$ interfaces (R=La,Nd,Sm,and Gd). <i>Physical Review B</i> , 2016 , 94,	3.3	4
52	Phase transitional behavior and electrical properties of $\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{PbTiO}_3$ ternary ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 1874-1880	2.1	17
51	Synthesis, structures and properties of single phase BiFeO_3 and $\text{Bi}_2\text{Fe}_4\text{O}_9$ powders by hydrothermal method. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 6887-6891	2.1	7
50	Strong correlation of the growth mode and electrical properties of BiCuSeO single crystals with growth temperature. <i>CrystEngComm</i> , 2015 , 17, 6136-6141	3.3	14
49	$\text{Bi}_0.5\text{Na}_0.5\text{TiO}_3:\text{ZnO}$ lead-free piezoelectric composites with deferred thermal depolarization. <i>Applied Physics Letters</i> , 2015 , 106, 232904	3.4	28
48	Electromechanical Response from $\text{LaAlO}_3/\text{SrTiO}_3$ Heterostructures. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 10146-51	9.5	13
47	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> , 2015 , 6, 6615	17.4	197
46	Lattice dynamics of KxRhO_2 single crystals. <i>AIP Advances</i> , 2015 , 5, 087111	1.5	5
45	Enhanced electromechanical properties and phase transition temperatures in [001] textured $\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbTiO}_3$ ternary ceramics. <i>Applied Physics Letters</i> , 2015 , 107, 082902	3.4	52
44	Enhanced Piezoelectric Properties and Thermal Stability in the $(\text{K}_{0.5}\text{Na}_{0.5})\text{NbO}_3:\text{ZnO}$ Lead-Free Piezoelectric Composites. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 3935-3941	3.8	42
43	Tunable semimetallic state in compressive-strained SrIrO_3 films revealed by transport behavior. <i>Physical Review B</i> , 2015 , 91,	3.3	50
42	Enhanced Multiferroic and Magnetocapacitive Properties of $(1-x)\text{Ba}_{0.7}\text{Ca}_{0.3}\text{TiO}_3\text{-xBiFeO}_3$ Ceramics. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 816-825	3.8	24
41	Phase transition behavior and high piezoelectric properties in lead-free $\text{BaTiO}_3\text{-CaTiO}_3\text{-BaHfO}_3$ ceramics. <i>Journal of Materials Science</i> , 2014 , 49, 62-69	4.3	24
40	Phase Diagram and Enhanced Piezoelectric Response of Lead-Free $\text{BaTiO}_3\text{-CaTiO}_3\text{-BaHfO}_3$ System. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 3244-3251	3.8	33
39	Sensitively Temperature-Dependent Spin-Orbit Coupling in SrIrO_3 Thin Films. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 054707	1.5	26
38	Formation mechanism of (001) oriented perovskite SrTiO_3 microplatelets synthesized by topochemical microcrystal conversion. <i>Inorganic Chemistry</i> , 2014 , 53, 11060-7	5.1	13
37	The Competitive and Combining Effects of Grain Boundary and Fe/Mo Antisite Defects on the Low-Field Magnetoresistance in $\text{Sr}_2\text{FeMoO}_6$. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 1137-1142	2.8	10
36	Photoluminescence and Temperature Dependent Electrical Properties of Er-Doped $0.94\text{Bi}_0.5\text{Na}_0.5\text{TiO}_3\text{-}0.06\text{BaTiO}_3$ Ceramics. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 3877-3882	3.8	21

35	The microstructure and magnetic property of TiO ₂ -terminated SrTiO ₃ substrate selected growth cubic phase CaRuO ₃ film. <i>Crystal Research and Technology</i> , 2013 , 48, 546-554	1.3	
34	High temperature solution growth, chemical depotassiation and growth mechanism of KxRhO ₂ crystals. <i>CrystEngComm</i> , 2013 , 15, 5050	3.3	14
33	Enhanced pyroelectric property in (1-x)(Bi _{0.5} Na _{0.5})TiO ₃ -xBa(Zr _{0.055} Ti _{0.945})O ₃ : Role of morphotropic phase boundary and ferroelectric-antiferroelectric phase transition. <i>Applied Physics Letters</i> , 2013 , 103, 182906	3.4	59
32	Morphotropic phase boundary and electric properties in (1-x)Bi _{0.5} Na _{0.5} TiO ₃ -xBaSnO ₃ lead-free piezoelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 4080-4084	2.1	6
31	Room temperature ferromagnetism in triple perovskite Sr ₃ CrFeMoO ₉ . <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 4970-4973	2.1	4
30	Structural Evolving Sequence and Porous Ba ₆ Zr ₂ Nb ₈ O ₃₀ Ferroelectric Ceramics with Ultrahigh Breakdown Field and Zero Strain. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 555-560	3.8	13
29	Thickness dependent microstructures and properties of Sr ₂ Fe _{10/9} Mo _{8/9} O ₆ films grown in N ₂ . <i>Solid State Communications</i> , 2013 , 163, 28-32	1.6	5
28	Quantitative control of Fe/Mo anti-site defect and its effects on the properties of Sr ₂ FeMoO ₆ . <i>CrystEngComm</i> , 2013 , 15, 4601	3.3	14
27	Complete set of material constants of 0.95(Na _{0.5} Bi _{0.5})TiO ₃ -0.05BaTiO ₃ lead-free piezoelectric single crystal and the delineation of extrinsic contributions. <i>Applied Physics Letters</i> , 2013 , 103, 122905	3.4	60
26	The metallic interface between insulating NdGaO ₃ and SrTiO ₃ perovskites. <i>Applied Physics Letters</i> , 2013 , 103, 201602	3.4	23
25	Significant ferrimagnetisms observed in superlattice composed of antiferromagnetic LaFeO ₃ and YMnO ₃ . <i>Applied Physics Letters</i> , 2013 , 102, 042403	3.4	7
24	Phase Transition and Electrical Properties of Ba _{0.7} Ca _{0.3} TiO ₃ BiFeO ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 3901-3905	3.8	9
23	Microstructure and magnetic properties of a novel 10-H hexagonal perovskite nanosheet in a BiFeCrO ₃ system. <i>RSC Advances</i> , 2012 , 2, 5683	3.7	2
22	Initial growth of Bi ₄ LaTi ₃ FeO ₁₅ thin films on SrTiO ₃ , MgO and YSZ substrates. <i>Crystal Research and Technology</i> , 2012 , 47, 663-670	1.3	
21	The temperature-dependent electrical properties of Bi _{0.5} Na _{0.5} TiO ₃ BaTiO ₃ Bi _{0.5} K _{0.5} TiO ₃ near the morphotropic phase boundary. <i>Acta Materialia</i> , 2012 , 60, 469-475	8.4	91
20	Morphotropic phase boundary and electric properties in (1-x)Bi _{0.5} Na _{0.5} TiO ₃ -xBiCoO ₃ lead-free piezoelectric ceramics. <i>Journal of Applied Physics</i> , 2012 , 111, 124113	2.5	20
19	Magnetic and electrical transport properties of Pb _{1-x} La _x Ti _{1-x} MnxO ₃ ceramics. <i>AIP Advances</i> , 2012 , 2, 032156	1.5	1
18	Structural stability of layered n-LaFeO ₃ -Bi ₄ Ti ₃ O ₁₂ , BiFeO ₃ -Bi ₄ Ti ₃ O ₁₂ , and SrTiO ₃ -Bi ₄ Ti ₃ O ₁₂ thin films. <i>Journal of Materials Research</i> , 2012 , 27, 2956-2964	2.5	8

17	Significant ferrimagnetism observed in Aurivillius $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ doped by antiferromagnetic LaFeO_3 . <i>Applied Physics Letters</i> , 2011 , 98, 212501	3.4	27
16	Phase Characteristics and Piezoelectric Properties in the $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3\text{BaTiO}_3\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ System. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 1561	3.8	22
15	Microstructure and ferromagnetic property in CaRuO_3 thin films with pseudoheterostructure. <i>Applied Physics Letters</i> , 2010 , 96, 182502	3.4	7
14	Morphotropic phase boundary and electrical properties in $(1-x)\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3-x\text{Bi}(\text{Zn}_{0.5}\text{Ti}_{0.5})\text{O}_3$ lead-free piezoceramics. <i>Journal of Applied Physics</i> , 2010 , 107, 114110	2.5	49
13	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> , 2010 , 97, 122901	3.4	66
12	Morphotropic phase boundary in $(1-x)\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3-x(\text{Bi}_{0.8}\text{La}_{0.2})\text{FeO}_3$ with improved depolarization temperature. <i>Physica Status Solidi - Rapid Research Letters</i> , 2009 , 3, 245-247	2.5	4
11	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> , 2008 , 103, 034107	2.5	253
10	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> , 2008 , 92, 222902	3.4	204
9	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> , 2008 , 103, 034108	2.5	180
8	Temperature-Dependent Electrical Properties of $0.94\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3\text{D}_{0.06}\text{BaTiO}_3$ Ceramics. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 3950-3954	3.8	146
7	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> , 2007 , 91, 112906	3.4	660
6	ELECTRIC PROPERTIES OF LAYERED PEROVSKITE $\text{Sr}_{0.8}\text{A}_{0.1}\text{Bi}_{2.1}\text{Ta}_{1.5}\text{Nb}_{0.5}\text{O}_9$ THIN FILMS (A = LA, PR). <i>Integrated Ferroelectrics</i> , 2006 , 79, 187-193	0.8	1
5	Structure, optical, and magnetic properties of sputtered manganese and nitrogen-codoped ZnO films. <i>Applied Physics Letters</i> , 2006 , 88, 082111	3.4	68
4	Magnetic and transport properties of (Mn, Co)-codoped ZnO films prepared by radio-frequency magnetron cosputtering. <i>Journal of Applied Physics</i> , 2005 , 98, 053908	2.5	58
3	Raman Spectra of $\text{Sr}_{m-3}\text{Bi}_4\text{Ti}_m\text{O}_{3m+3}$ Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2003 , 784, 3171		
2	In situ TEM observation on the ferroelectric-antiferroelectric transition in $\text{Pb}(\text{Nb,Zr,Sn,Ti})\text{O}_3/\text{ZnO}$. <i>Journal of the American Ceramic Society</i> ,	3.8	0
1	High Energy Storage Performance in $\text{Ba}_{0.85}\text{Ca}_{0.15}\text{Zr}_{0.1}\text{Ti}_{0.9}\text{O}_3$ -ZnO Hybrid Perovskite Solid Solution Thin Films. <i>Advanced Electronic Materials</i> , 2200243	6.4	1