

# Xiangyong Zhao

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Dielectric and piezoelectric performance of PMN $\epsilon$ PT single crystals with compositions around the MPB: influence of composition, poling field and crystal orientation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2002, 96, 254-262.	1.7	154
2	Enhanced piezoelectric and ferroelectric properties in Mn-doped Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> $\epsilon$ BaTiO <sub>3</sub> single crystals. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	136
3	Converse magnetoelectric effect in laminated composites of PMN $\epsilon$ PT single crystal and Terfenol-D alloy. <i>Applied Physics Letters</i> , 2006, 88, 242902.	1.5	125
4	Complete set of elastic, dielectric, and piezoelectric constants of orthorhombic 0.71Pb(Mg $\frac{1}{3}$ Nb $\frac{2}{3}$ )O $\frac{3}{2}$ $\epsilon$ 0.29PbTiO <sub>3</sub> single crystal. <i>Applied Physics Letters</i> , 2007, 90, 212903.	1.5	98
5	Enhanced magnetoelectric effect in longitudinal-transverse mode Terfenol-D $\epsilon$ Pb(Mg $\frac{1}{3}$ Nb $\frac{2}{3}$ )O $\frac{3}{2}$ $\epsilon$ PbTiO <sub>3</sub> laminate composites with optimal crystal cut. <i>Journal of Applied Physics</i> , 2008, 103, .	1.1	96
6	Giant Magnetoelectric Response from a Piezoelectric/Magnetostrictive Laminated Composite Combined with a Piezoelectric Transformer. <i>Advanced Materials</i> , 2008, 20, 4776-4779.	11.1	92
7	Pyroelectric properties of [111]-oriented Pb(Mg $\frac{1}{3}$ Nb $\frac{2}{3}$ )O $\frac{3}{2}$ $\epsilon$ PbTiO <sub>3</sub> crystals. <i>Applied Physics Letters</i> , 2005, 86, 082901.	1.5	80
8	Growth and characterization of Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> $\epsilon$ BaTiO <sub>3</sub> lead-free piezoelectric crystal by the TSSG method. <i>Journal of Alloys and Compounds</i> , 2008, 456, 503-507.	2.8	78
9	Piezoelectric energy harvesting using shear mode 0.71Pb(Mg $\frac{1}{3}$ Nb $\frac{2}{3}$ )O $\frac{3}{2}$ $\epsilon$ 0.29PbTiO <sub>3</sub> single crystal cantilever. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	77
10	Enhancing piezoelectric properties of BCZT ceramics by Sr and Sn co-doping. <i>Journal of Alloys and Compounds</i> , 2015, 640, 128-133.	2.8	76
11	Crystal growth and electric properties of lead $\epsilon$ free NBT $\epsilon$ BT at compositions near the morphotropic phase boundary. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 1012-1020.	0.8	70
12	Giant electrostrain accompanying structural evolution in lead-free NBT-based piezoceramics. <i>Journal of Materials Chemistry C</i> , 2018, 6, 814-822.	2.7	68
13	Single-crystal 0.7Pb(Mg $\frac{1}{3}$ Nb $\frac{2}{3}$ )O $\frac{3}{2}$ $\epsilon$ 0.3PbTiO <sub>3</sub> /epoxy 1 $\epsilon$ 3 piezoelectric composites prepared by the lamination technique. <i>Materials Chemistry and Physics</i> , 2007, 105, 273-277.	2.0	67
14	Chemical nature of giant strain in Mn-doped 0.94(Na <sub>0.5</sub> Bi <sub>0.5</sub> )TiO <sub>3</sub> $\epsilon$ 0.06BaTiO <sub>3</sub> lead-free ferroelectric single crystals. <i>Scripta Materialia</i> , 2014, 75, 50-53.	2.6	65
15	Mn-doped 0.71Pb(Mg $\frac{1}{3}$ Nb $\frac{2}{3}$ )O $\frac{3}{2}$ $\epsilon$ 0.29PbTiO <sub>3</sub> pyroelectric crystals for uncooled infrared focal plane arrays applications. <i>Applied Physics Letters</i> , 2006, 89, 162906.	1.5	64
16	Dielectric, ferroelectric, and pyroelectric characterization of Mn-doped 0.74Pb(Mg $\frac{1}{3}$ Nb $\frac{2}{3}$ )O $\frac{3}{2}$ $\epsilon$ 0.26PbTiO <sub>3</sub> crystals for infrared detection applications. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	63
17	The compositional segregation, phase structure and properties of Pb(In $\frac{1}{2}$ Nb $\frac{1}{2}$ )O $\frac{3}{2}$ $\epsilon$ Pb(Mg $\frac{1}{3}$ Nb $\frac{2}{3}$ )O $\frac{3}{2}$ $\epsilon$ PbTiO <sub>3</sub> single crystal. <i>Journal of Crystal Growth</i> , 2011, 318, 890-894. <sup>0.7</sup>		61
18	Growth, optical and electrical properties of pure and Mn-doped Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> lead-free piezoelectric crystals. <i>Journal of Alloys and Compounds</i> , 2008, 462, 256-261.	2.8	54

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19	Enhanced pyroelectric and piezoelectric responses in W/Mn-codoped Bi <sub>4</sub> Ti <sub>3</sub> O <sub>12</sub> Aurivillius ceramics. Journal of the European Ceramic Society, 2018, 38, 5348-5353.	2.8	54
20	Structure and electrical properties of Li-doped BaTiO <sub>3</sub> –CaTiO <sub>3</sub> –BaZrO <sub>3</sub> lead-free ceramics prepared by citrate method. Journal of Alloys and Compounds, 2014, 613, 219-225.	2.8	53
21	Refractive indices and linear electro-optic properties of (1–x)Pb(Mg <sup>1/3</sup> Nb <sup>2/3</sup> )O <sub>3</sub> –xPbTiO <sub>3</sub> single crystals. Applied Physics Letters, 2004, 85, 5233-5235.	1.5	52
22	Large pyroelectric response in relaxor-based ferroelectric (1–x)Pb(Mg <sup>1/3</sup> Nb <sup>2/3</sup> )O <sub>3</sub> –xPbTiO <sub>3</sub> single crystals. Journal of Applied Physics, 2005, 98, 084104.	1.1	52
23	Optical properties of (1–x)Pb(Mg <sup>1/3</sup> Nb <sup>2/3</sup> )O <sub>3</sub> –xPbTiO <sub>3</sub> single crystals studied by spectroscopic ellipsometry. Journal of Applied Physics, 2004, 96, 1387-1391.	1.1	51
24	High magnetoelectric effect in laminated composites of giant magnetostrictive alloy and lead-free piezoelectric ceramic. Journal of Applied Physics, 2007, 101, 104103.	1.1	49
25	Electric-field-induced local distortion and large electrostrictive effects in lead-free NBT-based relaxor ferroelectrics. Journal of the European Ceramic Society, 2018, 38, 4631-4639.	2.8	49
26	A high-performance flexible piezoelectric energy harvester based on lead-free (Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> ) <sub>1–x</sub> (BaTiO <sub>3</sub> ) <sub>x</sub> piezoelectric nanofibers. Journal of Materials Chemistry A, 2017, 5, 23634-23640.	5.2	48
27	Giant sharp converse magnetoelectric effect from the combination of a piezoelectric transformer with a piezoelectric/magnetostrictive laminated composite. Applied Physics Letters, 2008, 93, 113503.	1.5	46
28	Pyroelectric properties of Mn-doped 94.6Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> –5.4BaTiO <sub>3</sub> lead-free single crystals. Journal of Applied Physics, 2014, 115, .	1.1	44
29	Composition and orientation dependence of phase configuration and dielectric constant tunability in poled Pb(Mg <sup>1/3</sup> Nb <sup>2/3</sup> )O <sub>3</sub> –PbTiO <sub>3</sub> single crystals. Journal of Physics Condensed Matter, 2004, 16, 6771-6778.	0.7	43
30	Energy harvesting using a modified rectangular cymbal transducer based on 0.71Pb(Mg <sup>1/3</sup> Nb <sup>2/3</sup> )O <sub>3</sub> –0.29PbTiO <sub>3</sub> single crystal. Journal of Applied Physics, 2010, 107, .	1.1	43
31	Large Strain Response and Fatigue-Resistant Behavior in Ternary Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> –BaTiO <sub>3</sub> –Bi(Zn <sub>0.5</sub> Ti <sub>0.5</sub> )O <sub>3</sub> Solid Solutions. Journal of the American Ceramic Society, 2014, 97, 3615-3623.	1.3	43
32	Scale Effects of Low-Dimensional Relaxor Ferroelectric Single Crystals and Their Application in Novel Pyroelectric Infrared Detectors. Advanced Materials, 2014, 26, 2580-2585.	11.1	43
33	Giant strain and electric-field-induced phase transition in lead-free (Na <sub>0.5</sub> Bi <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> single crystal. Applied Physics Letters, 2016, 108, .	1.5	42
34	Crystal growth and high piezoelectric performance of 0.95Na <sub>0.5</sub> Bi <sub>0.5</sub> TiO <sub>3</sub> –0.05BaTiO <sub>3</sub> lead-free ferroelectric materials. Journal Physics D: Applied Physics, 2008, 41, 115403.	1.3	40
35	Characterization of complete electromechanical constants of rhombohedral 0.72Pb(Mg <sup>1/3</sup> Nb <sup>2/3</sup> )–0.28PbTiO <sub>3</sub> single crystals. Journal Physics D: Applied Physics, 2008, 41, 185402.	1.3	39
36	Electrical resistance load effect on magnetoelectric coupling of magnetostrictive/piezoelectric laminated composite. Journal of Alloys and Compounds, 2010, 500, 224-226.	2.8	39

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37	Cantilever driving low frequency piezoelectric energy harvester using single crystal material $0.71\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-}0.29\text{PbTiO}_3$ . Applied Physics Letters, 2012, 101, .	1.5	39
38	Orientation dependence of electrical properties of large-sized sodium potassium niobate lead-free single crystals. CrystEngComm, 2014, 16, 2760-2765.	1.3	39
39	Growth and electric properties of $0.96\text{Na}0.5\text{Bi}0.5\text{TiO}_3\text{-}0.04\text{BaTiO}_3$ single crystal. Journal of Crystal Growth, 2010, 312, 457-460.	0.7	38
40	Fabrication of angle beam two-element ultrasonic transducers with $\text{PMN}\text{-}\text{PT}$ single crystal and $\text{PMN}\text{-}\text{PT}/\text{epoxy}$ 1-3 composite for NDE applications. Sensors and Actuators A: Physical, 2011, 168, 223-228.	2.0	37
41	Cylindrically shaped ultrasonic linear array fabricated using PIMNT/epoxy 1-3 piezoelectric composite. Sensors and Actuators A: Physical, 2013, 192, 69-75.	2.0	37
42	Microstructure and dielectric relaxation of dipolar defects in Mn-doped $(1-x)\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-}x\text{PbTiO}_3$ single crystals. Scripta Materialia, 2013, 69, 377-380.	2.6	37
43	Improving piezoelectric property of $\text{BaTiO}_3\text{-}\text{CaTiO}_3\text{-}\text{BaZrO}_3$ lead-free ceramics by doping. Ceramics International, 2014, 40, 9881-9887.	2.3	36
44	Growth and pyroelectric properties of high Curie temperature relaxor-based ferroelectric $\text{Pb}(\text{In}_{1-x}\text{Nb}_x)_2\text{O}_7\text{-}\text{Pb}(\text{Mg}_{1-x}\text{Nb}_x)_3\text{O}_7\text{-}\text{PbTiO}_3$ ternary single crystal. Applied Physics Letters, 2008, 92, 252907.	1.5	35
45	Ultrahigh transverse strain and piezoelectric behavior in $(1-x)\text{Pb}(\text{Mg}_{1-x}\text{Nb}_x)_3\text{O}_7\text{-}x\text{PbTiO}_3$ crystals. Journal of Applied Physics, 2006, 99, 024104.	1.1	34
46	Magnetolectric effect from mechanically mediated torsional magnetic force effect in $\text{NdFeB}$ magnets and shear piezoelectric effect in $0.7\text{Pb}(\text{Mg}_{1-x}\text{Nb}_x)_3\text{O}_7\text{-}0.3\text{PbTiO}_3$ single crystal. Applied Physics Letters, 2008, 92, .	1.5	34
47	Enhancing pyroelectric properties of Li-doped $(\text{Ba}_{0.85}\text{Ca}_{0.15})_{1-x}\text{Ti}_{0.9}\text{O}_3$ lead-free ceramics by optimizing calcination temperature. Japanese Journal of Applied Physics, 2015, 54, 071501.	0.8	34
48	Effects on structure and properties of BCZT lead-free piezoelectric ceramics by rare-earth doping. Ferroelectrics, 2017, 507, 186-197.	0.3	33
49	In situ reversible tuning of photoluminescence of an epitaxial thin film via piezoelectric strain induced by a $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-}\text{PbTiO}_3$ single crystal. Journal of Materials Chemistry C, 2017, 5, 9115-9120.	2.7	33
50	Enhancing piezoelectric properties of high-Curie temperature PMN-PH-PT piezoelectric ceramics by citrate method. Journal of Alloys and Compounds, 2018, 735, 496-509.	2.8	32
51	Electro-optic characterization of tetragonal $(1-x)\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-}x\text{PbTiO}_3$ single crystals by a modified SA-Carmont setup. Solid State Communications, 2005, 134, 547-551.	0.9	31
52	Orientation dependence of electrical properties of $0.96\text{Na}0.5\text{Bi}0.5\text{TiO}_3\text{-}0.04\text{BaTiO}_3$ lead-free piezoelectric single crystal. Applied Physics A: Materials Science and Processing, 2009, 95, 761-767.	1.1	30
53	Ternary piezoelectric single-crystal PIMNT based 2-2 composite for ultrasonic transducer applications. Sensors and Actuators A: Physical, 2013, 196, 70-77.	2.0	29
54	High frequency transducer for vessel imaging based on lead-free Mn-doped $(\text{K}_{0.44}\text{Na}_{0.56})\text{NbO}_3$ single crystal. Applied Physics Letters, 2017, 111, .	1.5	28

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55	Triple-like hysteresis loop and microdomain $\leftrightarrow$ macrodomain transformation in the relaxor-based $0.76\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\hat{=}0.24\text{PbTiO}_3$ single crystal. <i>Materials Research Bulletin</i> , 2004, 39, 223-230.	2.7	26
56	Growth and characterization of Mn-doped $\text{Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_3$ lead-free ferroelectric single crystal. <i>Materials Letters</i> , 2008, 62, 2721-2724.	1.3	26
57	Enhanced ferroelectric properties and thermal stability of nonstoichiometric $0.92(\text{Na}_{0.5}\text{Bi}_{0.5})\text{TiO}_3\text{-}0.08(\text{K}_{0.5}\text{Bi}_{0.5})\text{TiO}_3$ single crystals. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	26
58	Significant reduction of equivalent magnetic noise by in-plane series connection in magnetoelectric Metglas/Mn-doped $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbTiO}_3$ laminate composites. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 465002.	1.3	26
59	Phase transition behavior and defect chemistry of [001]-oriented $0.15\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-}0.57\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-}0.28\text{PbTiO}_3\text{-Mn}$ single crystals. <i>Journal of Applied Physics</i> , 2015, 117, 244102.	1.1	26
60	Achieving high pulse charge $\leftrightarrow$ discharge energy storage properties and temperature stability of $(\text{Ba}_{0.98}\text{-Li}_{0.02}\text{La})(\text{Mg}_{0.04}\text{Ti}_{0.96})\text{O}_3$ lead-free ceramics via bandgap and defect engineering. <i>Chemical Engineering Journal</i> , 2022, 450, 137814.	6.6	26
61	Monoclinic MC phase in (001) field cooled $\text{BaTiO}_3$ single crystals. <i>Applied Physics Letters</i> , 2009, 94, 032901.	1.5	25
62	Dielectric, electromechanical coupling properties of Mn-doped $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3\hat{=}\text{BaTiO}_3$ lead-free single crystal. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 103, 199-205.	1.1	25
63	Ultrahigh ferroelectric response in Fe modified $0.95(\text{Na}_{1/2}\text{Bi}_{1/2})\text{TiO}_3\text{-}0.05\text{BaTiO}_3$ single crystals. <i>Journal of Materials Chemistry C</i> , 2014, 2, 10124-10128.	2.7	25
64	Broadband and High Sensitive Time-of-Flight Diffraction Ultrasonic Transducers Based on PMNT/Epoxy $1\hat{=}3$ Piezoelectric Composite. <i>Sensors</i> , 2015, 15, 6807-6817.	2.1	25
65	Optimized orientation of $0.71\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\hat{=}0.29\text{PbTiO}_3$ single crystal for applications in medical ultrasonic arrays. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	24
66	Direct observation of monoclinic ferroelectric phase and domain switching process in $(\text{K}_{0.25}\text{Na}_{0.75})\text{NbO}_3$ single crystals. <i>CrystEngComm</i> , 2015, 17, 2872-2877.	1.3	24
67	Design and fabrication of relaxor-ferroelectric single crystal PIN $\hat{=}$ PMN $\hat{=}$ PT/epoxy $2\hat{=}2$ composite based array transducer. <i>Sensors and Actuators A: Physical</i> , 2015, 234, 34-42.	2.0	24
68	Facile preparation and performance of novel high-T C $x\text{Bi}(\text{Ni}_{1/2}\text{Ti}_{1/2})\text{O}_3\text{-}(1-x)\text{Pb}(\text{Zr}_{1/2}\text{Ti}_{1/2})\text{O}_3$ piezoceramics. <i>Current Applied Physics</i> , 2018, 18, 289-296.	1.1	24
69	Determination of optical constants of tetragonal $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbTiO}_3$ ferroelectric single crystals. <i>Journal Physics D: Applied Physics</i> , 2006, 39, 4337-4340.	1.3	23
70	Growth and orientation dependence of electrical properties of $0.92\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3\text{-}0.08\text{K}_{0.5}\text{Bi}_{0.5}\text{TiO}_3$ lead-free piezoelectric single crystal. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	23
71	Frequency conversion in magnetoelectric composites for quasi-static magnetic field detection. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	23
72	Electric field and temperature-induced phase transition in Mn-doped $\text{Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_3\text{-}5.0\text{ at.}\%\text{BaTiO}_3$ single crystals investigated by micro-Raman scattering. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	23

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73	Ferroelectric phase transition and electrical conduction mechanisms in high Curie-temperature PMN-PHT piezoelectric ceramics. <i>Ceramics International</i> , 2017, 43, 6417-6424.	2.3	23
74	Fabrication and high acoustic performance of high frequency needle ultrasound transducer with PMN-PT/Epoxy 1-3 piezoelectric composite prepared by dice and fill method. <i>Sensors and Actuators A: Physical</i> , 2021, 318, 112528.	2.0	23
75	Composition dependence of piezoelectric constant and dielectric constant tunability in the $a\text{-}001\%$ -oriented $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbTiO}_3$ single crystals. <i>Materials Letters</i> , 2004, 58, 2053-2056.	1.3	22
76	Observation of long range correlation dynamics in $\text{BaTiO}_3$ near TC by photon correlation spectroscopy. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	22
77	Pyroelectric performances of relaxor-based ferroelectric single crystals and related infrared detectors. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 1061-1067.	0.8	22
78	Enhanced dielectric, pyroelectric and ferroelectric properties of Mn-doped $0.15\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-}0.55\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-}0.30\text{PbTiO}_3$ single crystals. <i>Journal of Alloys and Compounds</i> , 2014, 595, 120-124.	2.8	22
79	Structure and electrical properties of $\text{Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_3 \times \text{K}_{1/2}\text{Bi}_{1/2}\text{TiO}_3$ lead-free ferroelectric single crystals. <i>Solid State Communications</i> , 2015, 201, 125-129.	0.9	22
80	A flexible, sandwich structure piezoelectric energy harvester using PIN-PMN-PT/epoxy 2-2 composite flake for wearable application. <i>Sensors and Actuators A: Physical</i> , 2017, 265, 62-69.	2.0	22
81	Enhanced pyroelectric properties and thermal stability of Mn-doped $0.29\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-}0.29\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-}0.42\text{PbTiO}_3$ single crystals. <i>Applied Physics Letters</i> , 2018, 112, 1.5 172901.		22
82	Three-dimensional nonlinear photonic crystal in naturally grown potassium-tantalate-niobate perovskite ferroelectrics. <i>Light: Science and Applications</i> , 2020, 9, 193.	7.7	22
83	Large Pyroelectric Effect in Relaxor-Based Ferroelectric $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbTiO}_3$ Single Crystals. <i>Journal of the American Ceramic Society</i> , 2006, 89, 3437-3440.	1.9	21
84	Additional dc magnetic field response of magnetostrictive/piezoelectric magnetoelectric Laminates by Lorentz force effect. <i>Journal of Applied Physics</i> , 2006, 100, 126102.	1.1	21
85	Lead-free magnetoelectric laminated composite of Mn-doped $\text{Na}_{0.5}\text{Bi}_{0.5}\text{TiO}_3\text{-BaTiO}_3$ single crystal and $\text{Tb}_{0.3}\text{Dy}_{0.7}\text{Fe}_{1.92}$ alloy. <i>Journal of Alloys and Compounds</i> , 2010, 496, L4-L6.	2.8	21
86	Effect of annealing on defect and electrical properties of Mn doped $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-}0.28\text{PbTiO}_3$ single crystals. <i>Journal of Crystal Growth</i> , 2011, 318, 865-869.	0.7	21
87	Compositional segregation, structural transformation and property-temperature relationship of high-Curie temperature $\text{Pb}(\text{In}_{1/2}\text{Nb}_{1/2})\text{O}_3\text{-Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbTiO}_3$ single crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 9316-9328.	1.1	21
88	Optimizing structure and electrical properties of high-Curie temperature PMN-PHT piezoelectric ceramics via tailoring sintering process. <i>EPJ Applied Physics</i> , 2016, 74, 30101.	0.3	21
89	Rosen-type $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-PbTiO}_3$ single crystal piezoelectric transformer. <i>Review of Scientific Instruments</i> , 2007, 78, 073903.	0.6	20
90	Giant magnetoelectric effect in mechanically clamped heterostructures of magnetostrictive alloy and piezoelectric crystal-alloy cymbal. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	20

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91	Magnetolectric voltage gain effect in a long-type magnetostrictive/piezoelectric heterostructure. Applied Physics Letters, 2009, 95, 143503.	1.5	20
92	Pyroelectric performances of rhombohedral 0.42Pb(In <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> -0.3Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -0.28PbTiO <sub>3</sub> single crystals. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2010, 57, 2154-2158.	1.7	20
93	Phase development and electrical properties of Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -PbTiO <sub>3</sub> ceramics prepared by partial oxalate route. Physica Status Solidi (A) Applications and Materials Science, 2013, 210, 1149-1156.	0.8	20
94	Influence of the composition-induced structure evolution on the electrocaloric effect in Bi <sub>0.5</sub> Na <sub>0.5</sub> TiO <sub>3</sub> -based solid solution. Ceramics International, 2015, 41, 5888-5893.	2.3	20
95	Decreasing sintering temperature for BCZT lead-free ceramics prepared via hydrothermal route. Functional Materials Letters, 2017, 10, 1750046.	0.7	20
96	Ferroelectric phase transition and electrical properties of high-TC PMN-PH-PT ceramics prepared by partial oxalate route. Journal of the European Ceramic Society, 2018, 38, 1463-1472.	2.8	20
97	Giant tunability of upconversion photoluminescence in Er <sup>3+</sup> -doped (K, Tj) ETQq1 1 0.784314 rgBT / Overlock 10 Tf 50 50	2.8	20
98	The MA-type monoclinic phase and its dc electric/temperature responses studies 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> ternary single crystals by polarized light microscopy. Materials Chemistry and Physics, 2010, 122, 350-353.	2.0	19
99	Fabrication of PIMNT/Epoxy 1-3 composites and ultrasonic transducer for nondestructive evaluation. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2011, 58, 1774-1781.	1.7	19
100	Growth and pyroelectric properties of rhombohedral 0.21Pb(In <sub>1/2</sub> Nb <sub>1/2</sub> )O <sub>3</sub> -0.49Pb(Mg <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -0.3PbTiO <sub>3</sub> ternary single crystals. Journal of Crystal Growth, 2011, 318, 856-859.	0.7	19
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