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## List of Publications by Year in descending order

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170  
papers

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19636

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175  
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175  
docs citations

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times ranked

5676  
citing authors

#	ARTICLE	IF	CITATIONS
1	Perspective on the Development of Lead-free Piezoceramics. Journal of the American Ceramic Society, 2009, 92, 1153-1177.	1.9	2,571
2	Transferring lead-free piezoelectric ceramics into application. Journal of the European Ceramic Society, 2015, 35, 1659-1681.	2.8	1,050
3	Giant electric-field-induced strains in lead-free ceramics for actuator applications – status and perspective. Journal of Electroceramics, 2012, 29, 71-93.	0.8	813
4	On the phase identity and its thermal evolution of lead free $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3$ -6%mol% $\text{BaTiO}_3$ . Journal of Applied Physics, 2011, 110, .	1.1	749
5	Origin of the large strain response in $(\text{K}_{0.5}\text{Na}_{0.5})\text{NbO}_3$ -modified $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ - $\text{BaTiO}_3$ lead-free piezoceramics. Journal of Applied Physics, 2009, 105, .	1.1	550
6	Temperature-insensitive $(\text{K},\text{Na})\text{NbO}_3$ -Based Lead-free Piezoactuator Ceramics. Advanced Functional Materials, 2013, 23, 4079-4086.	7.8	494
7	Evolving morphotropic phase boundary in lead-free $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3$ - $\text{BaTiO}_3$ piezoceramics. Journal of Applied Physics, 2011, 109, .	1.1	405
8	High-strain Lead-free Antiferroelectric Electrostrictors. Advanced Materials, 2009, 21, 4716-4720.	11.1	364
9	Electric-field-induced phase transformation at a lead-free morphotropic phase boundary: Case study in a 93% $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ -7% $\text{BaTiO}_3$ piezoelectric ceramic. Applied Physics Letters, 2009, 95, 032904.	1.5	348
10	Temperature-Dependent Properties of $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3$ - $\text{BaTiO}_3$ Lead-free Piezoceramics. Journal of the American Ceramic Society, 2012, 95, 2241-2247.	1.1	338
11	Lead-free piezoceramics – Where to move on?. Journal of Materiomics, 2016, 2, 1-24.	2.8	333
12	Diffused Phase Transition Boosts Thermal Stability of High-performance Lead-free Piezoelectrics. Advanced Functional Materials, 2016, 26, 1217-1224.	7.8	272
13	Determination of depolarization temperature of $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3$ -based lead-free piezoceramics. Journal of Applied Physics, 2011, 110, .	1.1	268
14	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. Journal of Applied Physics, 2008, 103, .	1.1	264
15	Nanoscale Insight Into Lead-free BNT-xKNN. Advanced Functional Materials, 2012, 22, 4208-4215.	7.8	225
16	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. Applied Physics Letters, 2008, 92, .	1.5	224
17	Electric-field-induced phase-change behavior in $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3$ - $\text{BaTiO}_3$ - $(\text{K}_{0.5}\text{Na}_{0.5})\text{NbO}_3$ : A combinatorial investigation. Acta Materialia, 2010, 58, 2103-2111.	3.8	210
18	Temperature-insensitive Large Strain of $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3$ - $(\text{Bi}_{1/2}\text{K}_{1/2})\text{TiO}_3$ - $(\text{K}_{0.5}\text{Na}_{0.5})\text{NbO}_3$ Lead-free Piezoceramics. Journal of the American Ceramic Society, 2010, 93, 1392-1396.	1.1	199

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19	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, .	1.1	192
20	<i>In Situ</i> Transmission Electron Microscopy of Electric Field-Triggered Reversible Domain Formation in Bi-Based Lead-Free Piezoceramics. <i>Journal of the American Ceramic Society</i> , 2010, 93, 2452-2455.	1.9	185
21	Two-stage processes of electrically induced-ferroelectric to relaxor transition in $0.94(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{-}0.06\text{BaTiO}_3$ . <i>Applied Physics Letters</i> , 2013, 102, .	1.5	182
22	Field-induced phase transition in $\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3$ -based lead-free piezoelectric ceramics. <i>Journal of Applied Crystallography</i> , 2010, 43, 1314-1321.	1.9	180
23	Lead-free high-temperature dielectrics with wide operational range. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	176
24	Relationship between electromechanical properties and phase diagram in the $\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3\text{-}x(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3$ lead-free piezoceramic. <i>Acta Materialia</i> , 2014, 80, 48-55.	3.8	174
25	Incipient piezoelectrics and electrostriction behavior in Sn-doped $\text{Bi}_{1/2}(\text{Na}_{0.82}\text{K}_{0.18})_{1/2}\text{TiO}_3$ lead-free ceramics. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	157
26	High-temperature dielectrics in $\text{CaZrO}_3$ -modified $\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3$ -based lead-free ceramics. <i>Journal of the European Ceramic Society</i> , 2012, 32, 4327-4334.	2.8	153
27	Relaxor/Ferroelectric Composites: A Solution in the Quest for Practically Viable Lead-Free Incipient Piezoceramics. <i>Advanced Functional Materials</i> , 2014, 24, 356-362.	7.8	148
28	Temperature- and Frequency-Dependent Properties of the $0.75\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3\text{-}0.25\text{SrTiO}_3$ Lead-Free Incipient Piezoceramic. <i>Journal of the American Ceramic Society</i> , 2014, 97, 1937-1943.	1.9	144
29	Electric-field-induced strain mechanisms in lead-free $94\%(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{-}6\%\text{BaTiO}_3$ . <i>Applied Physics Letters</i> , 2011, 98, .	1.5	143
30	Impedance Spectroscopy of $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3$ Ceramics Modified with $\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ . <i>Journal of the American Ceramic Society</i> , 2014, 97, 1523-1529.	1.9	139
31	Effect of Interface Structure on the Microstructural Evolution of Ceramics. <i>Journal of the American Ceramic Society</i> , 2006, 89, 2369-2380.	1.9	132
32	Electric-field-induced volume change and room temperature phase stability of $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{-}x\text{BaTiO}_3$ mol. % $\text{BaTiO}_3$ piezoceramics. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	130
33	Influence of electric fields on the depolarization temperature of Mn-doped $(1-x)\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3\text{-}x\text{BaTiO}_3$ . <i>Journal of Applied Physics</i> , 2012, 111, . Origin of the large piezoelectric activity in $(1-x)\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3\text{-}x\text{BaTiO}_3$ .	1.1	129
34			

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37	High-performance shape-engineerable thermoelectric painting. Nature Communications, 2016, 7, 13403.	5.8	122
38	A brief review on relaxor ferroelectrics and selected issues in lead-free relaxors. Journal of the Korean Physical Society, 2016, 68, 1481-1494.	0.3	122
39	A High-Temperature Capacitor Dielectric Based on $\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ and $\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3$ . Journal of the American Ceramic Society, 2012, 95, 3519-3524.	1.9	121
40	Relaxor Characteristics of Morphotropic Phase Boundary $(\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3)_{1-x}(\text{Bi}_{1/2}\text{K}_{1/2}\text{TiO}_3)_x$ Modified with $\text{Bi}(\text{Zn}_{1/2}\text{Ti}_{1/2}\text{O})_3$ . Journal of the American Ceramic Society, 2011, 94, 4283-4290.	1.9	120
41	Large Strain in Relaxor/Ferroelectric Composite Lead-Free Piezoceramics. Advanced Electronic Materials, 2015, 1, 1500018.	2.6	120
42	Effect of tetragonal distortion on ferroelectric domain switching: A case study on La-doped $\text{BiFeO}_3$ - $\text{PbTiO}_3$ ceramics. Journal of Applied Physics, 2010, 108, .	1.1	119
43	Relaxor-ferroelectric transitions: Sodium bismuth titanate derivatives. MRS Bulletin, 2018, 43, 600-606.	1.7	111
44	Local structure, pseudosymmetry, and phase transitions in $\text{Na}_{1-x}\text{Bi}_x\text{TiO}_3$ . Physical Review B, 2013, 87, .	1.1	97
45	Structural investigations on lead-free $\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3$ -based piezoceramics. Journal of Materials Science, 2011, 46, 4368-4376.	1.7	96
46	Nanoscale ferroelectric/relaxor composites: Origin of large strain in lead-free $\text{Bi}$ -based incipient piezoelectric ceramics. Journal of the European Ceramic Society, 2016, 36, 3401-3407.	2.8	89
47	Electric-field-temperature phase diagram of the ferroelectric relaxor system $(\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3)_{1-x}(\text{BaTiO}_3)_x$ doped with manganese. Journal of Applied Physics, 2014, 115, .	1.1	86
48	Temperature Dependence of the Piezoelectric Coefficient in $(\text{BiMeO}_3)_{1-x}(\text{PbTiO}_3)_x$ ( $\text{Me} = \text{Fe}, \text{Sc}$ ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 10 297 Td(4<sc><sc>	1.9	84
49	Ceramic Society, 2012, 95, 711-715. Temperature dependence of piezoelectric properties of high-TC $\text{Bi}(\text{Mg}_{1/2}\text{Ti}_{1/2}\text{O})_3$ - $\text{PbTiO}_3$ . Journal of Applied Physics, 2009, 106, .	1.1	83
50	Bipolar and Unipolar Fatigue of Ferroelectric BNT-Based Lead-Free Piezoceramics. Journal of the American Ceramic Society, 2011, 94, 529-535.	1.9	83
51	Effect of Ferroelectric Long-Range Order on the Unipolar and Bipolar Electric Fatigue in $\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3$ -Based Lead-Free Piezoceramics. Journal of the American Ceramic Society, 2011, 94, 3927-3933.	1.9	82
52	Universal Polarization Switching Behavior of Disordered Ferroelectrics. Advanced Functional Materials, 2012, 22, 2058-2066.	7.8	82
53	$\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3$ - $\text{BaTiO}_3$ based thick-film capacitors for high-temperature applications. Journal of the European Ceramic Society, 2014, 34, 37-43.	2.8	82
54	Enhanced bipolar fatigue resistance in $\text{CaZrO}_3$ -modified $(\text{K},\text{Na})\text{NbO}_3$ lead-free piezoceramics. Applied Physics Letters, 2014, 104, .	1.5	77

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55	Strains and Polarization During Antiferroelectric-Ferroelectric Phase Switching in $\text{Pb}_{0.99}\text{Nb}_{0.02}[(\text{Zr}_{0.57}\text{Sn}_{0.43})_{1-x}\text{Ti}_x]_{0.98}\text{O}_3$ Ceramics. <i>Journal of the American Ceramic Society</i> , 2011, 94, 1149-1155.	1.9	76
56	Effect of Nb-donor and Fe-acceptor dopants in $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{-BaTiO}_3\text{-}(K_{0.5}\text{Na}_{0.5})\text{NbO}_3$ lead-free piezoceramics. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	75
57	Coexistence of ergodicity and nonergodicity in $\text{LaFeO}_3$ -modified $\text{Bi}_{1/2}(\text{Na}_{0.78}\text{K}_{0.22})_{1/2}\text{TiO}_3$ relaxors. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 365901.	0.7	74
58	Impedance Spectroscopy of $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{-BaTiO}_3\text{-}(K_{0.5}\text{Na}_{0.5})\text{NbO}_3$ Based High-Temperature Dielectrics. <i>Journal of the American Ceramic Society</i> , 2014, 97, 2825-2831.	1.3	73
59	Reconciling Local Structure Disorder and the Relaxor State in $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{-BaTiO}_3$ . <i>Scientific Reports</i> , 2016, 6, 31739.	1.6	73
60	CuO as a sintering additive for $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{-BaTiO}_3\text{-}(K_{0.5}\text{Na}_{0.5})\text{NbO}_3$ lead-free piezoceramics. <i>Journal of the European Ceramic Society</i> , 2011, 31, 2107-2117.	2.8	72
61	Ergodicity reflected in macroscopic and microscopic field-dependent behavior of BNT-based relaxors. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	71
62	Progress in lead-free piezoelectric nanofiller materials and related composite nanogenerator devices. <i>Nanoscale Advances</i> , 2020, 2, 3131-3149.	2.2	62
63	Electric-field-induced polarization and strain in $0.94(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{-}0.06\text{BaTiO}_3$ under uniaxial stress. <i>Acta Materialia</i> , 2013, 61, 1350-1358.	3.8	61
64	Structural origins of relaxor behavior in a $0.96(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{-}0.04\text{BaTiO}_3$ single crystal under electric field. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	60
65	Lead-free electrostrictive bismuth perovskite ceramics with thermally stable field-induced strains. <i>Materials Letters</i> , 2011, 65, 2607-2609.	1.3	60
66	Fatigue-free unipolar strain behavior in $\text{CaZrO}_3$ and $\text{MnO}_2$ co-modified $(\text{K},\text{Na})\text{NbO}_3$ -based lead-free piezoceramics. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	60
67	Can an Electric Field Induce an Antiferroelectric Phase Out of a Ferroelectric Phase?. <i>Physical Review Letters</i> , 2010, 105, 255702.	2.9	58
68	Lead-free $\text{Bi}_{1/2}(\text{Na}_{0.82}\text{K}_{0.18})_{1/2}\text{TiO}_3$ relaxor ferroelectrics with temperature insensitive electrostrictive coefficient. <i>Ceramics International</i> , 2013, 39, S119-S124.	2.3	58
69	Aging in the relaxor and ferroelectric state of Fe-doped $(1-x)(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{-}x\text{BaTiO}_3$ piezoelectric ceramics. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	58
70	Nanoscale phase quantification in lead-free $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{-BaTiO}_3$ . <i>Physical Review B</i> , 2014, 90, .	1.5	57
71	Stabilization of the Fatigue-Resistant Phase by CuO Addition in $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{-BaTiO}_3$ . <i>Journal of the American Ceramic Society</i> , 2011, 94, 2473-2478.	1.9	53
72	Cyclic electric field response of morphotropic $\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3\text{-BaTiO}_3$ piezoceramics. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	53

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73	Cycling stability of lead-free BNT $\epsilon$ 8BT and BNT $\epsilon$ 6BT $\epsilon$ 3KNN multilayer actuators and bulk ceramics. Journal of the European Ceramic Society, 2014, 34, 653-661.	2.8	52
74	Effect of poling temperature on piezoelectricity of CaZrO <sub>3</sub> -modified (K, Na)NbO <sub>3</sub> -based lead-free ceramics. Journal of Applied Physics, 2014, 116, .	1.1	51
75	Two-step polarization reversal in biased ferroelectrics. Journal of Applied Physics, 2014, 115, .	1.1	51
76	High temperature stress-induced $\epsilon$ double loop-like $\epsilon$ phase transitions in Bi-based perovskites. Journal of Applied Physics, 2010, 108, .	1.1	49
77	Tailoring Strain Properties of (0.94 $\hat{a}$ <sup>F</sup> <sub>x</sub> ) <sub>1-x</sub> Bi <sub>1/2</sub> Na <sub>1/2</sub> TiO <sub>3</sub> Ferroelectric/Relaxor Composites. Journal of the American Ceramic Society, 2014, 97, 1465-1470.	1.9	43
78	Analysis of the etching behavior of ZnO ceramics. Acta Materialia, 2005, 53, 4185-4188.	3.8	45
79	Comparison of structural, ferroelectric, and strain properties between A-site donor and acceptor doped Bi <sub>1/2</sub> (Na <sub>0.82</sub> K <sub>0.18</sub> ) <sub>1/2</sub> TiO <sub>3</sub> ceramics. Ceramics International, 2015, 41, S458-S463.	2.3	45
80	Giant electrocaloric materials energy efficiency in highly ordered lead scandium tantalate. Nature Communications, 2021, 12, 3298.	5.8	45
81	Effect of Texture on Temperature-Dependent Properties of (K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> Modified (Bi <sub>1/2</sub> Na <sub>1/2</sub> )TiO <sub>3</sub> $\epsilon$ BaTiO <sub>3</sub> Journal of the American Ceramic Society, 2014, 97, 2557-2563.	1.9	43
82	Electric-field-induced strain contributions in morphotropic phase boundary composition of (Bi <sub>1/2</sub> Na <sub>1/2</sub> )TiO <sub>3</sub> -BaTiO <sub>3</sub> during poling. Applied Physics Letters, 2015, 107, .	1.5	43
83	Hardening behavior and highly enhanced mechanical quality factor in (K <sub>0.5</sub> Na <sub>0.5</sub> )NbO <sub>3</sub> $\epsilon$ based ceramics. Journal of the European Ceramic Society, 2017, 37, 2083-2089.	2.8	42
84	Forced electrostriction by constraining polarization switching enhances the electromechanical strain properties of incipient piezoceramics. NPG Asia Materials, 2017, 9, e346-e346.	3.8	42
85	Anisotropy of ferroelectric behavior of (1 $\hat{a}$ <sup>F</sup> <sub>x</sub> )Bi <sub>1/2</sub> Na <sub>1/2</sub> TiO <sub>3</sub> $\epsilon$ BaTiO <sub>3</sub> single crystals across the morphotropic phase boundary. Journal of Applied Physics, 2014, 116, .	1.1	40
86	Simultaneous improvement in electrical and thermal properties of interface-engineered BiSbTe nanostructured thermoelectric materials. Journal of Alloys and Compounds, 2016, 689, 899-907.	2.8	39
87	Giant room-temperature electrostrictive coefficients in lead-free relaxor ferroelectric ceramics by compositional tuning. APL Materials, 2018, 6, .	2.2	39
88	<i>In situ</i> electric field induced domain evolution in Ba(Zr <sub>0.2</sub> Ti <sub>0.8</sub> )O <sub>3</sub> -0.3(Ba <sub>0.7</sub> Ca <sub>0.3</sub> )TiO <sub>3</sub> ferroelectrics. Applied Physics Letters, 2014, 105, 112904.	1.5	38
89	A built-in electric field induced by ferroelectrics increases halogen-free organic solar cell efficiency in various device types. Nano Energy, 2020, 68, 104327.	8.2	38
90	Polarization dynamics across the morphotropic phase boundary in Ba(Zr <sub>0.2</sub> Ti <sub>0.8</sub> )O <sub>3</sub> -x(Ba <sub>0.7</sub> Ca <sub>0.3</sub> )TiO <sub>3</sub> ferroelectrics. Applied Physics Letters, 2013, 103, .	1.5	37

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91	Temperature-Dependent Phase Transitions in the Lead-Free Piezoceramics ( $(1-x)Bi_{1/2}Na_{1/2}TiO_3$ ) Observed by <i>in situ</i> Transmission Electron Microscopy and Dielectric Measurements. <i>Journal of the American Ceramic Society</i> , 2013, 96, 3312-3324.	1.9	37
92	Stress-dependent electromechanical properties of doped $(Ba_{1-x}Ca_x)(Zr_{1-y}Ti_y)O_3$ . <i>Journal of the European Ceramic Society</i> , 2015, 35, 1209-1217.	2.8	37
93	Optimal working regime of lead-zirconate-titanate for actuation applications. <i>Sensors and Actuators A: Physical</i> , 2013, 189, 187-194.	2.0	36
94	Frequency-dependence of large-signal properties in lead-free piezoceramics. <i>Journal of Applied Physics</i> , 2012, 112, .	1.1	35
95	Shift in Morphotropic Phase Boundary in La-Doped $BiFeO_3$ - $PbTiO_3$ Piezoceramics. <i>Japanese Journal of Applied Physics</i> , 2009, 48, 120205.	0.8	31
96	Acoustic emission study of domain wall motion and phase transition in $(1-x)Bi_{0.5}Na_{0.5}TiO_3$ - $xBaTiO_3$ - $yK_{0.5}Na_{0.5}NbO_3$ lead-free piezoceramics. <i>Scripta Materialia</i> , 2009, 60, 251-253.	2.6	30
97	Large blocking force in $Bi_{1/2}Na_{1/2}TiO_3$ -based lead-free piezoceramics. <i>Scripta Materialia</i> , 2012, 67, 100-103.	2.6	29
98	Heterogeneous grain-scale response in ferroic polycrystals under electric field. <i>Scientific Reports</i> , 2016, 6, 22820.	1.6	28
99	Stress-induced structural changes in La-doped $BiFeO_3$ - $PbTiO_3$ high-temperature piezoceramics. <i>Acta Materialia</i> , 2010, 58, 5962-5971.	3.8	26
100	Effect of $K_{0.5}Na_{0.5}NbO_3$ on Properties at and off the Morphotropic Phase Boundary in $Bi_{0.5}Na_{0.5}TiO_3$ - $Bi_{0.5}K_{0.5}TiO_3$ Ceramics. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 055802.	0.8	26
101	Quenching-induced circumvention of integrated aging effect of relaxor lead lanthanum zirconate titanate and $(Bi_{1/2}Na_{1/2})TiO_3$ - $BaTiO_3$ . <i>Applied Physics Letters</i> , 2013, 102, .	1.5	26
102	Role of $(Bi_{1/2}K_{1/2})TiO_3$ in the dielectric relaxations of $BiFeO_3$ - $(Bi_{1/2}K_{1/2})TiO_3$ ceramics. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	26
103	Investigation of the depolarisation transition in Bi-based relaxor ferroelectrics. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	25
104	Tailoring of unipolar strain in lead-free piezoelectrics using the ceramic/ceramic composite approach. <i>Journal of Applied Physics</i> , 2014, 115, 124108.	1.1	23
105	EFFECT OF SUBSTITUTION OF $K$ FOR $Na$ ON THE FERROELECTRIC STABILITY AND PROPERTIES OF $(Bi_{1/2}Na_{1/2})TiO_3$ - $BaTiO_3$ . <i>Functional Materials Letters</i> , 2010, 03, 41-44.	0.7	22
106	High-Energy Synchrotron X-Ray Diffraction for <i>In Situ</i> Diffuse Scattering Studies of Bulk Single Crystals. <i>Jom</i> , 2012, 64, 174-180.	0.9	22
107	Strategies of A Potential Importance, Making Lead-Free Piezoceramics Truly Alternative to PZTs. <i>Journal of the Korean Ceramic Society</i> , 2017, 54, 86-95.	1.1	22
108	Frequency and temperature dependence of actuating performance of $Bi_{1/2}Na_{1/2}TiO_3$ - $BaTiO_3$ based relaxor/ferroelectric composites. <i>Journal of Applied Physics</i> , 2014, 115, .	1.1	21



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109	Structure and temperature-dependent phase transitions of lead-free $\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3$ - $\text{Bi}_{1/2}\text{K}_{1/2}\text{TiO}_3$ - $\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ piezoceramics. <i>Journal of Materials Research</i> , 2012, 27, 2466-2478.	1.2	20
110	Polarization reversal via a transient relaxor state in nonergodic relaxors near freezing temperature. <i>Journal of Materiomics</i> , 2019, 5, 634-640.	2.8	19
111	Effects of grain size on the dielectric properties of $\text{Pb}(\text{Mg}_{1/3}\text{Nb}_{2/3})\text{O}_3$ -30 mol% $\text{PbTiO}_3$ ceramics. <i>Journal of Applied Physics</i> , 2007, 102, 074116.	1.1	18
112	Piezoelectric activity of $(1-x)[0.35\text{Bi}(\text{Mg}_{1/2}\text{Ti}_{1/2})\text{O}_3-0.3\text{BiFeO}_3-0.35\text{BiScO}_3]$ - $x\text{PbTiO}_3$ ceramics as a function of temperature. <i>Journal of Electroceramics</i> , 2012, 28, 95-100.	0.8	18
113	Enhanced densification of pure $\text{SnO}_2$ by spark plasma sintering. <i>Journal of Materials Science</i> , 2005, 40, 3825-3827.	1.7	17
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