

Wook Jo

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164
papers

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175
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16,013
ext. citations

4.4
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6.56
L-index

#	Paper	IF	Citations
164	Perspective on the Development of Lead-free Piezoceramics. <i>Journal of the American Ceramic Society</i> , 2009 , 92, 1153-1177	3.8	2236
163	Transferring lead-free piezoelectric ceramics into application. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 1659-1681	6	823
162	Giant electric-field-induced strains in lead-free ceramics for actuator applications [status and perspective. <i>Journal of Electroceramics</i> , 2012 , 29, 71-93	1.5	674
161	On the phase identity and its thermal evolution of lead free (Bi _{1/2} Na _{1/2})TiO ₃ -6 mol% BaTiO ₃ . <i>Journal of Applied Physics</i> , 2011 , 110, 074106	2.5	638
160	Origin of the large strain response in (K _{0.5} Na _{0.5})NbO ₃ -modified (Bi _{0.5} Na _{0.5})TiO ₃ BaTiO ₃ lead-free piezoceramics. <i>Journal of Applied Physics</i> , 2009 , 105, 094102	2.5	493
159	Temperature-Insensitive (K,Na)NbO ₃ -Based Lead-Free Piezoactuator Ceramics. <i>Advanced Functional Materials</i> , 2013 , 23, 4079-4086	15.6	406
158	Evolving morphotropic phase boundary in lead-free (Bi _{1/2} Na _{1/2})TiO ₃ BaTiO ₃ piezoceramics. <i>Journal of Applied Physics</i> , 2011 , 109, 014110	2.5	361
157	High-Strain Lead-free Antiferroelectric Electrostrictors. <i>Advanced Materials</i> , 2009 , 21, 4716-4720	24	321
156	Electric-field-induced phase transformation at a lead-free morphotropic phase boundary: Case study in a 93%(Bi _{0.5} Na _{0.5})TiO ₃ 7% BaTiO ₃ piezoelectric ceramic. <i>Applied Physics Letters</i> , 2009 , 95, 032904	3.4	311
155	Temperature-Dependent Properties of (Bi _{1/2} Na _{1/2})TiO ₃ (Bi _{1/2} K _{1/2})TiO ₃ BaTiO ₃ Lead-Free Piezoceramics. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 2241-2247	3.8	307
154	Lead-free piezoceramics with giant strain in the system Bi _{0.5} Na _{0.5} TiO ₃ BaTiO ₃ K _{0.5} Na _{0.5} NbO ₃ . I. Structure and room temperature properties. <i>Journal of Applied Physics</i> , 2008 , 103, 034107	2.5	253
153	Lead-free piezoceramics [Where to move on?. <i>Journal of Materiomics</i> , 2016 , 2, 1-24	6.7	248
152	Determination of depolarization temperature of (Bi _{1/2} Na _{1/2})TiO ₃ -based lead-free piezoceramics. <i>Journal of Applied Physics</i> , 2011 , 110, 094108	2.5	230
151	Diffused Phase Transition Boosts Thermal Stability of High-Performance Lead-Free Piezoelectrics. <i>Advanced Functional Materials</i> , 2016 , 26, 1217-1224	15.6	228
150	Morphotropic phase boundary in (1-x)(Bi _{0.5} Na _{0.5})TiO ₃ x(K _{0.5} Na _{0.5})NbO ₃ lead-free piezoceramics. <i>Applied Physics Letters</i> , 2008 , 92, 222902	3.4	204
149	Nanoscale Insight Into Lead-Free BNT-BT-xKNN. <i>Advanced Functional Materials</i> , 2012 , 22, 4208-4215	15.6	198
148	Electric-field-induced phase-change behavior in (Bi _{0.5} Na _{0.5})TiO ₃ BaTiO ₃ (K _{0.5} Na _{0.5})NbO ₃ : A combinatorial investigation. <i>Acta Materialia</i> , 2010 , 58, 2103-2111	8.4	185

147	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
146	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. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 1392	3.8	163
145	In Situ 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	3.8	163
144	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, 192903	3.4	162
143	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	3.8	162
142	Lead-free high-temperature dielectrics with wide operational range. <i>Journal of Applied Physics</i> , 2011 , 109, 034107	2.5	155
141	Relationship between electromechanical properties and phase diagram in the $\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3$ lead-free piezoceramic. <i>Acta Materialia</i> , 2014 , 80, 48-55	8.4	149
140	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, 154102	2.5	142
139	Relaxor/Ferroelectric Composites: A Solution in the Quest for Practically Viable Lead-Free Incipient Piezoceramics. <i>Advanced Functional Materials</i> , 2014 , 24, 356-362	15.6	133
138	Electric-field-induced strain mechanisms in lead-free $94\%(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{BaTiO}_3$. <i>Applied Physics Letters</i> , 2011 , 98, 082901	3.4	130
137	Temperature- and Frequency-Dependent Properties of the $0.75\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3\text{0.25SrTiO}_3$ Lead-Free Incipient Piezoceramic. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 1937-1943	3.8	127
136	High-temperature dielectrics in 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	6	127
135	Effect of Interface Structure on the Microstructural Evolution of Ceramics. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 2369-2380	3.8	124
134	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, 014105	2.5	121
133	Relaxor Characteristics of Morphotropic Phase Boundary $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3(\text{Bi}_{1/2}\text{K}_{1/2})\text{TiO}_3$ Modified with $\text{Bi}(\text{Zn}_{1/2}\text{Ti}_{1/2})\text{O}_3$. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 4283-4290	3.8	112
132	Electric-field-induced volume change and room temperature phase stability of $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{-}x$ mol. % BaTiO_3 piezoceramics. <i>Applied Physics Letters</i> , 2011 , 99, 042901	3.4	109
131	Impedance Spectroscopy of $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{BaTiO}_3$ 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	3.8	108
130	A High-Temperature-Capacitor Dielectric Based on $\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ -Modified $\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3\text{Bi}_{1/2}\text{K}_{1/2}\text{TiO}_3$. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 3519-3524	3.8	107

- 129 Origin of the large piezoelectric activity in $(1-x)\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_{3-x}(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3$ ceramics. *Physical Review B*, **2015**, 91, 3.3 103
- 128 Large Strain in Relaxor/Ferroelectric Composite Lead-Free Piezoceramics. *Advanced Electronic Materials*, **2015**, 1, 1500018 6.4 102
- 127 Temperature Stability of Lead-Free Niobate Piezoceramics with Engineered Morphotropic Phase Boundary. *Journal of the American Ceramic Society*, **2015**, 98, 2177-2182 3.8 99
- 126 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, 014103 2.5 97
- 125 High-performance shape-engineerable thermoelectric painting. *Nature Communications*, **2016**, 7, 13403 17.4 93
- 124 Compositional dependence of dielectric and ferroelectric properties in $\text{BiFeO}_3\text{BaTiO}_3$ solid solutions. *Ceramics International*, **2014**, 40, 4759-4765 5.1 90
- 123 A brief review on relaxor ferroelectrics and selected issues in lead-free relaxors. *Journal of the Korean Physical Society*, **2016**, 68, 1481-1494 0.6 85
- 122 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 4.3 84
- 121 Local structure, pseudosymmetry, and phase transitions in $\text{Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_3$ and $\text{Bi}_{1/2}\text{TiO}_3$ ceramics. *Physical Review B*, **2013**, 87, 3.3 79
- 120 Electric-field-temperature phase diagram of the ferroelectric relaxor system $(1-x)\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3$ - $x\text{BaTiO}_3$ doped with manganese. *Journal of Applied Physics*, **2014**, 115, 194104 2.5 76
- 119 Temperature Dependence of the Piezoelectric Coefficient in $\text{BiMeO}_3\text{-PbTiO}_3$ ($\text{Me}=\text{Fe, Sc, (Mg}_{1/2}\text{Ti}_{1/2})$) Ceramics. *Journal of the American Ceramic Society*, **2012**, 95, 711-715 3.8 76
- 118 Bipolar and Unipolar Fatigue of Ferroelectric BNT-Based Lead-Free Piezoceramics. *Journal of the American Ceramic Society*, **2011**, 94, 529-535 3.8 76
- 117 Nanoscale ferroelectric/relaxor composites: Origin of large strain in lead-free Bi-based incipient piezoelectric ceramics. *Journal of the European Ceramic Society*, **2016**, 36, 3401-3407 6 74
- 116 Relaxor-ferroelectric transitions: Sodium bismuth titanate derivatives. *MRS Bulletin*, **2018**, 43, 600-606 3.2 74
- 115 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 2.8 74
- 114 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, 034109 2.5 73
- 113 $\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3\text{BaTiO}_3$ based thick-film capacitors for high-temperature applications. *Journal of the European Ceramic Society*, **2014**, 34, 37-43 6 72
- 112 Universal Polarization Switching Behavior of Disordered Ferroelectrics. *Advanced Functional Materials*, **2012**, 22, 2058-2066 15.6 70

111	Impedance Spectroscopy of $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{BaTiO}_3$ Based High-Temperature Dielectrics. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 2825-2831	3.8	68
110	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, 014110	2.5	66
109	Enhanced bipolar fatigue resistance in CaZrO_3 -modified $(\text{K},\text{Na})\text{NbO}_3$ lead-free piezoceramics. <i>Applied Physics Letters</i> , 2014 , 104, 242912	3.4	64
108	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	4.9	61
107	Ergodicity reflected in macroscopic and microscopic field-dependent behavior of BNT-based relaxors. <i>Journal of Applied Physics</i> , 2014 , 115, 084111	2.5	60
106	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	3.8	60
105	Coexistence of ergodicity and nonergodicity in 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	1.8	59
104	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, 252904	3.4	58
103	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	6	58
102	Lead-free electrostrictive bismuth perovskite ceramics with thermally stable field-induced strains. <i>Materials Letters</i> , 2011 , 65, 2607-2609	3.3	57
101	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	8.4	53
100	Fatigue-free unipolar strain behavior in CaZrO_3 and MnO_2 co-modified $(\text{K},\text{Na})\text{NbO}_3$ -based lead-free piezoceramics. <i>Applied Physics Letters</i> , 2013 , 103, 192907	3.4	51
99	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	5.1	49
98	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	3.8	49
97	High temperature stress-induced double loop-like phase transitions in Bi-based perovskites. <i>Journal of Applied Physics</i> , 2010 , 108, 014101	2.5	49
96	Nanoscale phase quantification in lead-free $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{BaTiO}_3$ relaxor ferroelectrics by means of Na^{23} NMR. <i>Physical Review B</i> , 2014 , 90,	3.3	48
95	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, 104102	2.5	46
94	Can an electric field induce an antiferroelectric phase out of a ferroelectric phase?. <i>Physical Review Letters</i> , 2010 , 105, 255702	7.4	46

93	Cycling stability of lead-free BNT/BBT and BNT/BBT/BKNN multilayer actuators and bulk ceramics. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 653-661	6	44
92	Tailoring Strain Properties of (0.94x)Bi1/2Na1/2TiO3-0.06BaTiO3-xK0.5Na0.5NbO3 Ferroelectric/Relaxor Composites. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 1465-1470	3.8	44
91	Analysis of the etching behavior of ZnO ceramics. <i>Acta Materialia</i> , 2005 , 53, 4185-4188	8.4	42
90	Cyclic electric field response of morphotropic Bi1/2Na1/2TiO3-BaTiO3 piezoceramics. <i>Applied Physics Letters</i> , 2015 , 106, 222904	3.4	41
89	Effect of poling temperature on piezoelectricity of CaZrO3-modified (K, Na)NbO3-based lead-free ceramics. <i>Journal of Applied Physics</i> , 2014 , 116, 114102	2.5	41
88	Two-step polarization reversal in biased ferroelectrics. <i>Journal of Applied Physics</i> , 2014 , 115, 224104	2.5	40
87	Comparison of structural, ferroelectric, and strain properties between A-site donor and acceptor doped Bi1/2(Na0.82K0.18)1/2TiO3 ceramics. <i>Ceramics International</i> , 2015 , 41, S458-S463	5.1	38
86	Effect of Texture on Temperature-Dependent Properties of K0.5Na0.5NbO3 Modified Bi1/2Na1/2TiO3-xBaTiO3. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 2557-2563	3.8	37
85	Forced electrostriction by constraining polarization switching enhances the electromechanical strain properties of incipient piezoceramics. <i>NPG Asia Materials</i> , 2017 , 9, e346-e346	10.3	36
84	In situ electric field induced domain evolution in Ba(Zr0.2Ti0.8)O3-0.3(Ba0.7Ca0.3)TiO3 ferroelectrics. <i>Applied Physics Letters</i> , 2014 , 105, 112904	3.4	36
83	Anisotropy of ferroelectric behavior of (1-x)Bi1/2Na1/2TiO3-xBaTiO3 single crystals across the morphotropic phase boundary. <i>Journal of Applied Physics</i> , 2014 , 116, 044111	2.5	35
82	Polarization dynamics across the morphotropic phase boundary in Ba(Zr0.2Ti0.8)O3-x(Ba0.7Ca0.3)TiO3 ferroelectrics. <i>Applied Physics Letters</i> , 2013 , 103, 152904	3.4	34
81	Temperature-Dependent Phase Transitions in the Lead-Free Piezoceramics (1-x)y(Bi1/2Na1/2)TiO3-xBaTiO3-y(K0.5Na0.5)NbO3 Observed by in situ Transmission Electron Microscopy and Dielectric Measurements. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 3312-3324	3.8	34
80	Simultaneous improvement in electrical and thermal properties of interface-engineered BiSbTe nanostructured thermoelectric materials. <i>Journal of Alloys and Compounds</i> , 2016 , 689, 899-907	5.7	34
79	Electric-field-induced strain contributions in morphotropic phase boundary composition of (Bi1/2Na1/2)TiO3-BaTiO3 during poling. <i>Applied Physics Letters</i> , 2015 , 107, 242902	3.4	33
78	Stress-dependent electromechanical properties of doped (Ba1-xCax)(ZryTi1-y)O3. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 1209-1217	6	32
77	Frequency-dependence of large-signal properties in lead-free piezoceramics. <i>Journal of Applied Physics</i> , 2012 , 112, 014101	2.5	32
76	Hardening behavior and highly enhanced mechanical quality factor in (K 0.5 Na 0.5)NbO 3 Based ceramics. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 2083-2089	6	31

75	Progress in lead-free piezoelectric nanofiller materials and related composite nanogenerator devices. <i>Nanoscale Advances</i> , 2020 , 2, 3131-3149	5.1	31
74	Giant room-temperature electrostrictive coefficients in lead-free relaxor ferroelectric ceramics by compositional tuning. <i>APL Materials</i> , 2018 , 6, 016104	5.7	31
73	Optimal working regime of lead zirconate titanate for actuation applications. <i>Sensors and Actuators A: Physical</i> , 2013 , 189, 187-194	3.9	31
72	Acoustic emission study of domain wall motion and phase transition in $(1-x)(\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3-x\text{BaTiO}_3)(x\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3)$ lead-free piezoceramics. <i>Scripta Materialia</i> , 2009 , 60, 251-253	5.6	28
71	Large blocking force in $\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3$ -based lead-free piezoceramics. <i>Scripta Materialia</i> , 2012 , 67, 100-103	4.6	27
70	Shift in Morphotropic Phase Boundary in La-Doped $\text{BiFeO}_3/\text{BbTiO}_3$ Piezoceramics. <i>Japanese Journal of Applied Physics</i> , 2009 , 48, 120205	1.4	27
69	A built-in electric field induced by ferroelectrics increases halogen-free organic solar cell efficiency in various device types. <i>Nano Energy</i> , 2020 , 68, 104327	17.1	26
68	Quenching-induced circumvention of integrated aging effect of relaxor lead lanthanum zirconate titanate and $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{-BaTiO}_3$. <i>Applied Physics Letters</i> , 2013 , 102, 032901	3.4	25
67	Heterogeneous grain-scale response in ferroic polycrystals under electric field. <i>Scientific Reports</i> , 2016 , 6, 22820	4.9	23
66	Investigation of the depolarisation transition in Bi-based relaxor ferroelectrics. <i>Journal of Applied Physics</i> , 2014 , 115, 114109	2.5	22
65	EFFECT OF SUBSTITUTION OF K FOR Na ON THE FERROELECTRIC STABILITY AND PROPERTIES OF $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{-BaTiO}_3\text{-(K}_{0.5}\text{Na}_{0.5})\text{NbO}_3$. <i>Functional Materials Letters</i> , 2010 , 03, 41-44	1.2	22
64	Role of $(\text{Bi}_{1/2}\text{K}_{1/2})\text{TiO}_3$ in the dielectric relaxations of $\text{BiFeO}_3\text{-(Bi}_{1/2}\text{K}_{1/2})\text{TiO}_3$ ceramics. <i>Journal of Applied Physics</i> , 2016 , 119, 154101	2.5	22
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61	Effect of $\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ on Properties at and off the Morphotropic Phase Boundary in $\text{Bi}_{0.5}\text{Na}_{0.5}\text{TiO}_3/\text{Bi}_{0.5}\text{K}_{0.5}\text{TiO}_3$ Ceramics. <i>Japanese Journal of Applied Physics</i> , 2011 , 50, 055802	1.4	20
60	Stress-induced structural changes in La-doped $\text{BiFeO}_3/\text{BbTiO}_3$ high-temperature piezoceramics. <i>Acta Materialia</i> , 2010 , 58, 5962-5971	8.4	20
59	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	2.2	20
58	Tailoring ergodicity through selective A-site doping in the $\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3/\text{Bi}_{1/2}\text{K}_{1/2}\text{TiO}_3$ system. <i>Journal of Applied Physics</i> , 2015 , 117, 134106	2.5	17

57	Structure and temperature-dependent phase transitions of lead-free Bi _{1/2} Na _{1/2} TiO ₃ Bi _{1/2} K _{1/2} TiO ₃ 0.5Na0.5NbO ₃ piezoceramics. <i>Journal of Materials Research</i> , 2012 , 27, 2466-2478	2.5	17
56	Non-uniform deposition in the early stage of hot-wire chemical vapor deposition of silicon: The charge effect approach. <i>Thin Solid Films</i> , 2007 , 515, 7446-7450	2.2	17
55	Equilibrium shape of nickel crystal. <i>Philosophical Magazine</i> , 2009 , 89, 2989-2999	1.6	16
54	Effects of grain size on the dielectric properties of Pb(Mg _{1/3} Nb _{2/3})O ₃ -30 mol % PbTiO ₃ ceramics. <i>Journal of Applied Physics</i> , 2007 , 102, 074116	2.5	16
53	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, 234107	2.5	15
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