

Wook Jo

List of Publications by Year in Descending Order

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

164
papers

14,600
citations

59
h-index

120
g-index

175
ext. papers

16,013
ext. citations

4.4
avg, IF

6.56
L-index

#	Paper	IF	Citations
164	Less than mm ² macrosymmetry in polarized (011)-oriented relaxor-PbTiO ₃ single crystals reflected in the face shear properties. <i>Applied Physics Letters</i> , 2022 , 120, 042903	3.4	1
163	Suppression of high-temperature dielectric loss by designed thermal annealing treatment in (Bi _{1/2} Na _{1/2})TiO ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2022 , 42, 1388-1395	6	0
162	Bi-templated grain growth maximizing the effects of texture on piezoelectricity. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 2482-2487	6	2
161	Growth of single crystals of 0.75(Na _{0.5} Bi _{0.5})TiO ₃ -0.25(Sr _{0.7} Ca _{0.3})TiO ₃ and characterisation of their electrical properties. <i>Open Ceramics</i> , 2021 , 6, 100099	3.3	2
160	Giant electrocaloric materials energy efficiency in highly ordered lead scandium tantalate. <i>Nature Communications</i> , 2021 , 12, 3298	17.4	12
159	Growth of single crystals in the (Na _{1/2} Bi _{1/2})TiO ₃ (Sr _{1-x} Cax)TiO ₃ system by solid state crystal growth. <i>Journal of Advanced Ceramics</i> , 2021 , 10, 973	10.7	1
158	Room-temperature multiferroicity in NiFe ₂ O ₄ and its magnetoelectric coupling intensified through defect engineering. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 6384	3.8	3
157	In situ total strain measurements revealing the strain mechanism of Pb(Mg _{1/3} Nb _{2/3})O ₃ PbTiO ₃ single crystals. <i>Journal of Materiomics</i> , 2021 , 7, 693-698	6.7	4
156	Solid state crystal growth of single crystals of 0.75(Na _{1/2} Bi _{1/2})TiO ₃ -0.25SrTiO ₃ and their characteristic electrical properties. <i>Journal of Asian Ceramic Societies</i> , 2021 , 9, 63-74	2.4	3
155	Synthesis of high quality 2D carbide MXene flakes using a highly purified MAX precursor for ink applications. <i>Nanoscale Advances</i> , 2021 , 3, 517-527	5.1	5
154	Room temperature magnetoelectric coupling in Pb(Fe _{1/2} Nb _{1/2})O ₃ by counterbalancing imbalanced spin moments through spin canting. <i>Journal of Applied Physics</i> , 2021 , 130, 094101	2.5	1
153	Progress in lead-free piezoelectric nanofiller materials and related composite nanogenerator devices. <i>Nanoscale Advances</i> , 2020 , 2, 3131-3149	5.1	31
152	Suppression of Dielectric Loss at High Temperature in (Bi _{1/2} Na _{1/2})TiO ₃ Ceramic by Controlling A-site Cation Deficiency and Heat Treatment. <i>Journal of Sensor Science and Technology</i> , 2020 , 29, 7-13	0.3	1
151	A Brief Review of Enhancing Incipient Piezostrains: Approach by Ceramic/Ceramic Composites. <i>Ceramist</i> , 2020 , 23, 89-100	0.3	1
150	Depolarization Mechanism of Alternating-current-poled Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ Single Crystals Measured using in-situ thermally Stimulated Depolarization Current. <i>Journal of Sensor Science and Technology</i> , 2020 , 29, 59-62	0.3	3
149	Piezoelectrics 2020 , 157-206		1
148	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

147	Polarization reversal via a transient relaxor state in nonergodic relaxors near freezing temperature. <i>Journal of Materiomics</i> , 2019 , 5, 634-640	6.7	14
146	Acoustic phonon dynamics of Pb(Sc _{1/2} Ta _{1/2})O ₃ ceramics studied by Brillouin scattering spectroscopy. <i>Japanese Journal of Applied Physics</i> , 2019 , 58, SGG A06	1.4	1
145	Thermally stable large strain in low-loss (Na _{0.2} K _{0.8})NbO ₃ -BaZrO ₃ for multilayer actuators. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 6837-6849	3.8	4
144	Symmetry-bridging phase as the mechanism for the large strains in relaxor-PbTiO ₃ single crystals. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 3327-3331	6	7
143	Effect of Electric Field Concentration by Electrode Patterning on the Incipient Piezoelectric Strain Properties of Lead-Free Piezoceramics. <i>Journal of the Korean Ceramic Society</i> , 2019 , 56, 549-557	2.2	5
142	Synthesis of Inorganic-Organic 2D CdSe Slab-Diamine Quantum Nets. <i>Small</i> , 2019 , 15, e1804426	11	5
141	Giant room-temperature electrostrictive coefficients in lead-free relaxor ferroelectric ceramics by compositional tuning. <i>APL Materials</i> , 2018 , 6, 016104	5.7	31
140	Role of sodium deficiency on the relaxor properties of Bi _{1/2} Na _{1/2} TiO ₃ -BaTiO ₃ . <i>Journal of the European Ceramic Society</i> , 2018 , 38, 5375-5381	6	13
139	Relaxor-ferroelectric transitions: Sodium bismuth titanate derivatives. <i>MRS Bulletin</i> , 2018 , 43, 600-606	3.2	74
138	A model delineating the dielectric spectra of a relaxor PLZT obtained by impedance analyzer. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 1949-1956	3.8	
137	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
136	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
135	Phase transition behavior and mechanical properties of (1-x)(Bi _{1/2} Na _{1/2})TiO ₃ -xSrTiO ₃ lead-free piezoelectric ceramics. <i>Sensors and Actuators A: Physical</i> , 2017 , 258, 201-207	3.9	11
134	Local structure of the B-site in BNT-xBT investigated by ^{47,49} Ti NMR: Effect of barium content. <i>Journal of Applied Physics</i> , 2017 , 121, 114104	2.5	14
133	Solid-state-growth of lead-free piezoelectric (Na _{1/2} Bi _{1/2})TiO ₃ -CaTiO ₃ single crystals and their characterization. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2017 , 223, 109-119	3.1	10
132	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
131	Nanoscale ferroelectric/relaxor composites: Origin of large strain in lead-free Bi-based incipient piezoelectric ceramics. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 3401-3407	6	74
130	High-performance shape-engineerable thermoelectric painting. <i>Nature Communications</i> , 2016 , 7, 13403	17.4	93

129	Reconciling Local Structure Disorder and the Relaxor State in (Bi _{1/2} Na _{1/2})TiO ₃ -BaTiO ₃ . <i>Scientific Reports</i> , 2016 , 6, 31739	4.9	61
128	A brief review on relaxor ferroelectrics and selected issues in lead-free relaxors. <i>Journal of the Korean Physical Society</i> , 2016 , 68, 1481-1494	0.6	85
127	Lead-free piezoceramics [Where to move on?]. <i>Journal of Materiomics</i> , 2016 , 2, 1-24	6.7	248
126	Effect of Nb Doping on the Dielectric and Strain Properties of Lead-free 0.94(Bi _{1/2} Na _{1/2})TiO ₃ 0.06BaTiO ₃ Ceramics. <i>Journal of the Korean Ceramic Society</i> , 2016 , 53, 145-149	2.2	13
125	Tailoring Low-field Strain Properties of [0.97Bi _{1/2} (Na _{0.78} K _{0.22}) _{1/2} TiO ₃ -0.03LaFeO ₃]-Bi _{1/2} (Na _{0.82} K _{0.18}) _{1/2} TiO ₃ Lead-Free Relaxor/Ferroelectric Composites. <i>Journal of the Korean Institute of Electrical and Electronic Material Engineers</i> , 2016 , 29, 342-347		
124	Diffused Phase Transition Boosts Thermal Stability of High-Performance Lead-Free Piezoelectrics. <i>Advanced Functional Materials</i> , 2016 , 26, 1217-1224	15.6	228
123	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, 154101	2.5	22
122	Heterogeneous grain-scale response in ferroic polycrystals under electric field. <i>Scientific Reports</i> , 2016 , 6, 22820	4.9	23
121	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
120	Cyclic electric field response of morphotropic Bi _{1/2} Na _{1/2} TiO ₃ -BaTiO ₃ piezoceramics. <i>Applied Physics Letters</i> , 2015 , 106, 222904	3.4	41
119	Tailoring ergodicity through selective A-site doping in the Bi _{1/2} Na _{1/2} TiO ₃ Bi _{1/2} K _{1/2} TiO ₃ system. <i>Journal of Applied Physics</i> , 2015 , 117, 134106	2.5	17
118	Large Strain in Relaxor/Ferroelectric Composite Lead-Free Piezoceramics. <i>Advanced Electronic Materials</i> , 2015 , 1, 1500018	6.4	102
117	Origin of the large piezoelectric activity in (1-x)Ba(Zr _{0.2} Ti _{0.8})O ₃ x(Ba _{0.7} Ca _{0.3})TiO ₃ ceramics. <i>Physical Review B</i> , 2015 , 91,	3.3	103
116	Temperature Stability of Lead-Free Niobate Piezoceramics with Engineered Morphotropic Phase Boundary. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 2177-2182	3.8	99
115	Comparison of structural, ferroelectric, and strain properties between A-site donor and acceptor doped Bi _{1/2} (Na _{0.82} K _{0.18}) _{1/2} TiO ₃ ceramics. <i>Ceramics International</i> , 2015 , 41, S458-S463	5.1	38
114	Electric-field-induced strain contributions in morphotropic phase boundary composition of (Bi _{1/2} Na _{1/2})TiO ₃ -BaTiO ₃ during poling. <i>Applied Physics Letters</i> , 2015 , 107, 242902	3.4	33
113	Stress-dependent electromechanical properties of doped (Ba _{1-x} Cax)(ZryTi _{1-y})O ₃ . <i>Journal of the European Ceramic Society</i> , 2015 , 35, 1209-1217	6	32
112	Transferring lead-free piezoelectric ceramics into application. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 1659-1681	6	823

111	Ring-Type Rotary Ultrasonic Motor Using Lead-free Ceramics. <i>Journal of Sensor Science and Technology</i> , 2015 , 24, 228-231	0.3	12
110	Cycling stability of lead-free BNT δ BT and BNT δ BT δ KNN multilayer actuators and bulk ceramics. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 653-661	6	44
109	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
108	Bi $_{1/2}$ Na $_{1/2}$ TiO $_3$ BaTiO $_3$ based thick-film capacitors for high-temperature applications. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 37-43	6	72
107	Compositional dependence of dielectric and ferroelectric properties in BiFeO $_3$ BaTiO $_3$ solid solutions. <i>Ceramics International</i> , 2014 , 40, 4759-4765	5.1	90
106	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
105	Investigation of the depolarisation transition in Bi-based relaxor ferroelectrics. <i>Journal of Applied Physics</i> , 2014 , 115, 114109	2.5	22
104	Effect of Texture on Temperature-Dependent Properties of K $_{0.5}$ Na $_{0.5}$ NbO $_3$ Modified Bi $_{1/2}$ Na $_{1/2}$ TiO $_3$ δ BaTiO $_3$. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 2557-2563	3.8	37
103	Anisotropy of ferroelectric behavior of (1 δ)Bi $_{1/2}$ Na $_{1/2}$ TiO $_3$ δ BaTiO $_3$ single crystals across the morphotropic phase boundary. <i>Journal of Applied Physics</i> , 2014 , 116, 044111	2.5	35
102	Temperature- and Frequency-Dependent Properties of the 0.75Bi $_{1/2}$ Na $_{1/2}$ TiO $_3$ δ .25SrTiO $_3$ Lead-Free Incipient Piezoceramic. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 1937-1943	3.8	127
101	Tailoring Strain Properties of (0.94 δ)Bi $_{1/2}$ Na $_{1/2}$ TiO $_3$ δ .06BaTiO $_3$ δ K $_{0.5}$ Na $_{0.5}$ NbO $_3$ Ferroelectric/Relaxor Composites. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 1465-1470	3.8	44
100	Impedance Spectroscopy of (Bi $_{1/2}$ Na $_{1/2}$)TiO $_3$ BaTiO $_3$ Based High-Temperature Dielectrics. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 2825-2831	3.8	68
99	Tailoring of unipolar strain in lead-free piezoelectrics using the ceramic/ceramic composite approach. <i>Journal of Applied Physics</i> , 2014 , 115, 124108	2.5	20
98	Relationship between electromechanical properties and phase diagram in the Ba(Zr $_{0.2}$ Ti $_{0.8}$)O $_3$ δ (Ba $_{0.7}$ Ca $_{0.3}$)TiO $_3$ lead-free piezoceramic. <i>Acta Materialia</i> , 2014 , 80, 48-55	8.4	149
97	Nanoscale phase quantification in lead-free (Bi $_{1/2}$ Na $_{1/2}$)TiO $_3$ BaTiO $_3$ relaxor ferroelectrics by means of Na 23 NMR. <i>Physical Review B</i> , 2014 , 90,	3.3	48
96	Interfaces and Microstructures in Materials 2014 , 479-528		
95	Temperature dependence of the local piezoresponse in (K,Na)NbO $_3$ -based ceramics with large electromechanical strain. <i>Journal of Applied Physics</i> , 2014 , 116, 066811	2.5	9
94	Enhanced bipolar fatigue resistance in CaZrO $_3$ -modified (K,Na)NbO $_3$ lead-free piezoceramics. <i>Applied Physics Letters</i> , 2014 , 104, 242912	3.4	64

93	Aging in the relaxor and ferroelectric state of Fe-doped $(1-x)(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3$ - $x\text{BaTiO}_3$ piezoelectric ceramics. <i>Journal of Applied Physics</i> , 2014 , 116, 104102	2.5	46
92	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. <i>Journal of Applied Physics</i> , 2014 , 115, 194104	2.5	76
91	Impedance Spectroscopy of $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3$ - 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
90	In situ electric field induced domain evolution in $\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3$ - $0.3(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3$ ferroelectrics. <i>Applied Physics Letters</i> , 2014 , 105, 112904	3.4	36
89	Effect of poling temperature on piezoelectricity of CaZrO_3 -modified $(\text{K}, \text{Na})\text{NbO}_3$ -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	Local structure change evidenced by temperature-dependent elastic measurements: Case study on $\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3$ -based lead-free relaxor piezoceramics. <i>Journal of Applied Physics</i> , 2014 , 115, 084108	2.5	10
86	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
85	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
84	Polarization dynamics across the morphotropic phase boundary in $\text{Ba}(\text{Zr}_{0.2}\text{Ti}_{0.8})\text{O}_3$ - $x(\text{Ba}_{0.7}\text{Ca}_{0.3})\text{TiO}_3$ ferroelectrics. <i>Applied Physics Letters</i> , 2013 , 103, 152904	3.4	34
83	Electric-field-induced polarization and strain in $0.94(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3$ - 0.06BaTiO_3 under uniaxial stress. <i>Acta Materialia</i> , 2013 , 61, 1350-1358	8.4	53
82	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
81	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
80	Temperature-Insensitive $(\text{K}, \text{Na})\text{NbO}_3$ -Based Lead-Free Piezoactuator Ceramics. <i>Advanced Functional Materials</i> , 2013 , 23, 4079-4086	15.6	406
79	Two-stage processes of electrically induced-ferroelectric to relaxor transition in $0.94(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3$ - 0.06BaTiO_3 . <i>Applied Physics Letters</i> , 2013 , 102, 192903	3.4	162
78	Optimal working regime of lead-zirconate-titanate for actuation applications. <i>Sensors and Actuators A: Physical</i> , 2013 , 189, 187-194	3.9	31
77	Local structure, pseudosymmetry, and phase transitions in $\text{Na}_{1/2}\text{Bi}_{1/2}\text{TiO}_3$ - $\text{Bi}_{1/2}\text{TiO}_3$ ceramics. <i>Physical Review B</i> , 2013 , 87,	3.3	79
76	Quenching-induced circumvention of integrated aging effect of relaxor lead lanthanum zirconate titanate and $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3$ - BaTiO_3 . <i>Applied Physics Letters</i> , 2013 , 102, 032901	3.4	25

75	Temperature-Dependent Phase Transitions in the Lead-Free Piezoceramics $(1-x)(y)(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{-}x\text{BaTiO}_3\text{-}y(\text{K}_{0.5}\text{Na}_{0.5})\text{NbO}_3$ 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
74	A High-Temperature-Capacitor Dielectric Based on $\text{K}_{0.5}\text{Na}_{0.5}\text{NbO}_3$ -Modified $\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3\text{-}x\text{BaTiO}_3$. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 3519-3524	3.8	107
73	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	4.0	27
72	High-Frequency EPR Analysis of MnO_2 -Doped $[\text{Bi}_{0.5}\text{Na}_{0.5}]\text{TiO}_3\text{-}x\text{BaTiO}_3$ Piezoelectric Ceramics: Manganese Oxidation States and Materials Hardening. <i>Ferroelectrics</i> , 2012 , 428, 116-121	0.6	11
71	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
70	Temperature-Dependent Properties of $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{-}x(\text{Bi}_{1/2}\text{K}_{1/2})\text{TiO}_3\text{-}y\text{BaTiO}_3$ Lead-Free Piezoceramics. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 2241-2247	3.8	307
69	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
68	Universal Polarization Switching Behavior of Disordered Ferroelectrics. <i>Advanced Functional Materials</i> , 2012 , 22, 2058-2066	15.6	70
67	Frequency-dependence of large-signal properties in lead-free piezoceramics. <i>Journal of Applied Physics</i> , 2012 , 112, 014101	2.5	32
66	Nanoscale Insight Into Lead-Free BNT-BT-xKNN. <i>Advanced Functional Materials</i> , 2012 , 22, 4208-4215	15.6	198
65	Relation between Seebeck Coefficient and Lattice Parameters of $(\text{Ca}_{2-x}\text{Sr}_x\text{CoO}_3)_x\text{CoO}_2$. <i>Journal of Electronic Materials</i> , 2012 , 41, 1513-1518	1.9	6
64	Piezoelectric activity of $(1-x)[0.35\text{Bi}(\text{Mg}_{1/2}\text{Ti}_{1/2})\text{O}_3\text{-}0.3\text{BiFeO}_3\text{-}0.35\text{BiScO}_3] - x\text{PbTiO}_3$ ceramics as a function of temperature. <i>Journal of Electroceramics</i> , 2012 , 28, 95-100	1.5	15
63	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
62	High-Energy Synchrotron X-Ray Diffraction for In Situ Diffuse Scattering Studies of Bulk Single Crystals. <i>Jom</i> , 2012 , 64, 174-180	2.1	21
61	Temperature Dependence of the Piezoelectric Coefficient in $\text{BiMeO}_3\text{-}x\text{PbTiO}_3$ ($\text{Me} = \text{Fe, Sc, Mg}_{1/2}\text{Ti}_{1/2}$) Ceramics. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 711-715	3.8	76
60	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
59	Structure and temperature-dependent phase transitions of lead-free $\text{Bi}_{1/2}\text{Na}_{1/2}\text{TiO}_3\text{-}x(\text{Bi}_{1/2}\text{K}_{1/2})\text{TiO}_3\text{-}y(\text{K}_{0.5}\text{Na}_{0.5})\text{NbO}_3$ piezoceramics. <i>Journal of Materials Research</i> , 2012 , 27, 2466-2478	2.5	17
58	On the phase identity and its thermal evolution of lead free $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{-}6\text{ mol}\% \text{BaTiO}_3$. <i>Journal of Applied Physics</i> , 2011 , 110, 074106	2.5	638

57	Structural origins of relaxor behavior in a $0.96(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3\text{0.04BaTiO}_3$ single crystal under electric field. <i>Applied Physics Letters</i> , 2011 , 98, 252904	3.4	58
56	Electric-field-induced volume change and room temperature phase stability of $(\text{Bi}_{1/2}\text{Na}_{1/2})\text{TiO}_3$ -x mol. % BaTiO_3 piezoceramics. <i>Applied Physics Letters</i> , 2011 , 99, 042901	3.4	109
55	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
54	Bipolar and Unipolar Fatigue of Ferroelectric BNT-Based Lead-Free Piezoceramics. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 529-535	3.8	76
53	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
52	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
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. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 3927-3933	3.8	74
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