

Jianguo Zhu

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.

242
papers

7,317
citations

37
h-index

79
g-index

269
ext. papers

8,728
ext. citations

4.8
avg, IF

6.31
L-index

#	Paper	IF	Citations
242	Enhancement of Piezoelectric Properties in Low-Temperature Sintering PZNBZT Ceramics by Sr ²⁺ Substitution. <i>Journal of Electronic Materials</i> , 2022 , 51, 1261-1271	1.9	1
241	High piezoelectricity of low-temperature sintered Li ₂ CO ₃ -added PNNBZT relaxor ferroelectrics. <i>Journal of Materials Science: Materials in Electronics</i> , 2022 , 33, 4819	2.1	1
240	Realizing excellent energy storage properties in Na _{0.5} Bi _{0.5} TiO ₃ -based lead-free relaxor ferroelectrics. <i>Journal of the European Ceramic Society</i> , 2022 , 42, 2221-2229	6	6
239	Nucleation Engineering in Sprayed MABiI Films for Direct-Conversion X-ray Detectors.. <i>Journal of Physical Chemistry Letters</i> , 2022 , 371-377	6.4	4
238	Fabrication and mechanism exploration of oxygen-incorporated 1T-MoS ₂ with high adsorption performance on methylene blue. <i>Chemical Engineering Journal</i> , 2022 , 428, 130954	14.7	4
237	Compositionally Graded KNN-based Multilayer Composite with Excellent Piezoelectric Temperature Stability.. <i>Advanced Materials</i> , 2021 , e2109175	24	14
236	High mechanical quality factor and piezoelectricity in potassium sodium niobate ceramics. <i>Ceramics International</i> , 2021 , 48, 6565-6565	5.1	0
235	Origin of the Enhanced Piezoelectricity of Vanadium-Doped La ₂ Ti ₂ O ₇ Ceramics. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 26180-26187	3.8	0
234	Realizing the Intrinsic Anisotropic Growth of 1T' ReS ₂ on Selected Au(101) Substrate toward Large-Scale Single Crystal Fabrication. <i>Advanced Functional Materials</i> , 2021 , 31, 2102138	15.6	9
233	Critical Role of Order-Disorder Behavior in Perovskite Ferroelectric KNbO ₃ . <i>Inorganic Chemistry</i> , 2021 , 60, 7961-7973	5.1	1
232	Giant piezoelectric coefficient of PNN-PZT-based relaxor piezoelectric ceramics by constructing an R-T MPB. <i>Ceramics International</i> , 2021 , 47, 12284-12291	5.1	5
231	Nanoscale bubble domains with polar topologies in bulk ferroelectrics. <i>Nature Communications</i> , 2021 , 12, 3632	17.4	10
230	Realizing High Comprehensive Energy Storage and Ultrahigh Hardness in Lead-Free Ceramics. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 28472-28483	9.5	15
229	Solvent Free Laminated Fabrication of Lead Halide Perovskites for Sensitive and Stable X-ray Detection. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 6961-6966	6.4	9
228	Phase, domain, and microstructures in Sr ²⁺ substituted low-temperature sintering PZT-based relaxor ferroelectrics. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 6266	3.8	2
227	Polarization rotation boosts strong piezoelectric response in the lead-free perovskite ferroelectric K _{0.5} Na _{0.5} NbO ₃ . <i>Physical Review B</i> , 2021 , 104,	3.3	1
226	Structure, electromagnetic and dielectric properties of Ti-substituted lithium--zinc ferrite. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 8354-8365	2.1	2

225	Crystal structure and electrical properties of Li/Mn co-doped NBT-based Aurivillius-type ceramics. <i>Journal of Alloys and Compounds</i> , 2021 , 868, 159216	5.7	3
224	Realization of densified microstructure and large piezoelectricity in KNN ceramics via the addition of oxide additives. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 20211-20224	2.1	1
223	Bismuth titanate based piezoceramics: Structural evolutions and electrical behaviors at different sintering temperatures. <i>Journal of Alloys and Compounds</i> , 2021 , 882, 160637	5.7	2
222	Enhanced piezoelectric properties in 0.96(K0.48Na0.52)(Nb1-xTax)O30.04(Bi0.5Ag0.5)ZrO3 lead-free ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 9525-9534	2.1	3
221	Robust Fabrication of Hybrid Lead-Free Perovskite Pellets for Stable X-ray Detectors with Low Detection Limit. <i>Advanced Materials</i> , 2020 , 32, e2001981	24	74
220	Electrical Properties of La2-xCexTi2O7 (x = 00.1) Ceramics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020 , 217, 1900685	1.6	
219	Improved Electrical Properties of Layer Structured La2Ti1.96V0.04O7 Ceramics. <i>Journal of Electronic Materials</i> , 2020 , 49, 2584-2595	1.9	3
218	Preparation and characterization of Zn-modified CaBi4Ti4O15 piezoelectric ceramics with lower sintering temperature. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 8805-8814	2.1	1
217	A systematic analysis of the radial resonance frequency spectra of the PZT-based (Zr/Ti = 52/48) piezoceramic thin disks. <i>Journal of Advanced Ceramics</i> , 2020 , 9, 380-392	10.7	5
216	Influence of different lanthanide ions on the structure and properties of potassium sodium niobate based ceramics. <i>Scripta Materialia</i> , 2020 , 177, 186-191	5.6	15
215	Enhanced electrical properties of La1.9Nd0.1Ti2O7 ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 1853-1860	2.1	2
214	Energy Storage Behavior in ErBiO3-Doped (K,Na)NbO3 Lead-Free Piezoelectric Ceramics. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 3717-3727	4	15
213	Efficient X-ray Attenuation Lead-Free AgBiI Halide Rudorffite Alternative for Sensitive and Stable X-ray Detection. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 7939-7945	6.4	16
212	Regulate the microstructure and band gap of La2Ti2O7. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 52-59	2.1	2
211	Investigation of high piezoelectric properties of KNNSb-Sr BNZ ceramics. <i>Journal of Alloys and Compounds</i> , 2020 , 815, 152252	5.7	16
210	Ferroelastic domain switching and R-curve behavior in lead zirconate titanate (Zr/Ti=52/48)-based ferroelectric ceramics. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 1067-1078	3.8	7
209	The structure and electrical properties of Ca0.6(Li0.5Bi0.5-xPrx)0.4Bi2Nb2O9 high-temperature piezoelectric ceramics. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 266-278	3.8	22
208	Biomedical Applications: Ultrasound-Induced Wireless Energy Harvesting for Potential Retinal Electrical Stimulation Application (Adv. Funct. Mater. 33/2019). <i>Advanced Functional Materials</i> , 2019 , 29, 1970231	15.6	

207	Evolution of structural distortion and electric properties of BTN-based high-temperature piezoelectric ceramics with tungsten substitution. <i>Journal of Alloys and Compounds</i> , 2019 , 785, 475-483	5.7	10
206	Green Anti-solvent Processed Efficient Flexible Perovskite Solar Cells. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 4343-4350	8.3	21
205	Ultrasound-Induced Wireless Energy Harvesting for Potential Retinal Electrical Stimulation Application. <i>Advanced Functional Materials</i> , 2019 , 29, 1902522	15.6	27
204	Fabrication of a (K,Na)NbO ₃ -based lead-free 1-3 piezocomposite for high-sensitivity ultrasonic transducers application. <i>Journal of Applied Physics</i> , 2019 , 125, 214501	2.5	22
203	Microstructure and electric property of (1-x)CaBi ₄ Ti ₄ O ₁₅ -xBi ₄ Ti ₃ O ₁₂ ceramics with high-Curie temperature. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 6482-6490	2.1	
202	Influence of Ca ₂ Nb ₂ O ₇ on the structure and electric properties of CaBi ₂ Nb ₂ O ₉ -based piezoceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 10128-10137	2.1	3
201	Properties of novel CaBi ₂ Ta ₂ O ₉ -(Na _{0.5} Bi _{0.5})Bi ₂ Ta ₂ O ₉ solid solution-based high Curie temperature piezoelectric ceramics. <i>Journal of Alloys and Compounds</i> , 2019 , 794, 210-217	5.7	13
200	Crystal distortion and electrical properties of Ce-doped BIT-based piezoelectric ceramics. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 5432-5442	3.8	11
199	Enhanced piezoelectricity and temperature stability in LaFeO ₃ -modified KNN-based lead-free ceramics. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 6126-6136	3.8	17
198	Structural distortion, piezoelectric properties, and electric resistivity of A-site substituted Bi ₃ TiNbO ₉ -based high-temperature piezoceramics. <i>Materials Research Bulletin</i> , 2019 , 115, 70-79	5.1	13
197	Impact of crystal structure and defect on the electric properties in (LiCeY)-doped CaBi ₂ Nb ₂ O ₉ -based high-temperature piezoceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 5240-5248	2.1	3
196	Intrinsic origin of enhanced piezoelectricity in alkali niobate-based lead-free ceramics. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 5262-5270	3.8	11
195	Enhanced electrical properties related to structural distortion of CaBi ₂ Nb ₂ O ₉ -based piezoelectric ceramics. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 1287-1295	3.8	17
194	Ultrahigh Performance in Lead-Free Piezoceramics Utilizing a Relaxor Slush Polar State with Multiphase Coexistence. <i>Journal of the American Chemical Society</i> , 2019 , 141, 13987-13994	16.4	152
193	The tunable ferroelectricity and piezoelectricity of the KNN piezoceramics by Na concentrations: First-principles calculations. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 5252-5259	6	6
192	Influence of co-modification with tungsten and tantalum on the crystal structure and electrical properties of bismuth titanate ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 14445-14455	2.1	2
191	Defect Passivation in Hybrid Perovskite Solar Cells by Tailoring the Electron Density Distribution in Passivation Molecules. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 44233-44240	9.5	40
190	Structure and dielectric relaxor behavior of Li-doped Bi(Na,K)TiO ₃ -based piezoceramics. <i>Ferroelectrics</i> , 2019 , 551, 32-39	0.6	

189	Rietveld Analysis and Electrical Properties of BiInO Doped KNN-Based Ceramics. <i>Inorganic Chemistry</i> , 2019 , 58, 428-438	5.1	13
188	Enhanced electrical properties and temperature stability of ZnF ₂ -modified (K,Na)NbO ₃ -based ceramics. <i>Journal of Applied Physics</i> , 2019 , 125, 082526	2.5	15
187	Flexible piezoelectric ultrasonic energy harvester array for bio-implantable wireless generator. <i>Nano Energy</i> , 2019 , 56, 216-224	17.1	54
186	Temperature stability and electrical properties in La-doped KNN-based ceramics. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 4084-4094	3.8	26
185	(001)-Facet-Exposed Planelike ABi ₂ Nb ₂ O ₉ (A = Ca, Sr, Ba) Powders with a Single-Crystal Grain for Enhancement of Photocatalytic Activity. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 3840-3852	8.3	17
184	Sintering behavior, phase structure and electric properties of KNNTS-BKNZ ceramics with excessive alkali metals. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 5337-5348	2.1	7
183	Study of the relationships among the crystal structure, phase transition behavior and macroscopic properties of modified (K,Na)NbO ₃ -based lead-free piezoceramics. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 2335-2343	6	49
182	Structural evolution of the R-T phase boundary in KNN-based ceramics. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 1191-1200	3.8	22
181	A new method to improve the electrical properties of KNN-based ceramics: Tailoring phase fraction. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 85-94	6	32
180	Recent development in lead-free perovskite piezoelectric bulk materials. <i>Progress in Materials Science</i> , 2018 , 98, 552-624	42.2	451
179	An Alternative Way To Enhance Piezoelectricity and Temperature Stability in Lead-Free Sodium Niobate Piezoceramics. <i>Inorganic Chemistry</i> , 2018 , 57, 10383-10389	5.1	3
178	Modifying Temperature Stability of (K,Na)NbO ₃ Ceramics through Phase Boundary. <i>Advanced Electronic Materials</i> , 2018 , 4, 1800205	6.4	21
177	Indentation Behavior and Mechanical Properties of Tungsten/Chromium co-Doped Bismuth Titanate Ceramics Sintered at Different Temperatures. <i>Materials</i> , 2018 , 11,	3.5	10
176	Ion Doping Effects on the Lattice Distortion and Interlayer Mismatch of Aurivillius-Type Bismuth Titanate Compounds. <i>Materials</i> , 2018 , 11,	3.5	15
175	Progress on the doping and phase boundary design of potassium sodium niobate lead-free ceramics. <i>Journal of Advanced Dielectrics</i> , 2018 , 08, 1830003	1.3	17
174	High-Performance 0-3 Type Niobate-Based Lead-Free Piezoelectric Composite Ceramics with ZnO Inclusions. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 30566-30573	9.5	24
173	Influence of PNN on the structure and electronic properties of BSPT ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 12785-12794	2.1	4
172	Properties and structures of nonstoichiometric (K, Na)NbO ₃ -based lead-free ceramics. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 1632-1645	3.8	22

171	Practical high strain with superior temperature stability in lead-free piezoceramics through domain engineering. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 23736-23745	13	34
170	Effect of doping on the structure, piezoelectric and electrical properties of Aurivillius type $\text{Ca}_{0.6}(\text{Na}_{0.5}\text{Bi}_{0.5})_{0.4}\text{Bi}_2\text{Nb}_2\text{O}_9$ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 21051-21060	2.1	2
169	Practical High Piezoelectricity in Barium Titanate Ceramics Utilizing Multiphase Convergence with Broad Structural Flexibility. <i>Journal of the American Chemical Society</i> , 2018 , 140, 15252-15260	16.4	105
168	The structural origin of enhanced piezoelectric performance and stability in lead free ceramics. <i>Energy and Environmental Science</i> , 2017 , 10, 528-537	35.4	305
167	The Controllable Synthesis of Octadecahedral BiVO_4 with Exposed {111} Facets. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 2990-2997	2.3	14
166	Investigation of new lead free $(1-x)\text{KNNS}-x\text{BKZH}$ piezo-ceramics with $\text{R}001$ phase boundary. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 8803-8809	2.1	12
165	Enhanced electrical properties and good thermal stability in $\text{K}_{0.48}\text{Na}_{0.52}\text{NbO}_3/\text{BiNbO}_3/\text{BiAlO}_3$ lead-free piezoceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 8500-8509	2.1	9
164	Effects of (Li, Ce, Y) co-substitution on the properties of $\text{CaBi}_2\text{Nb}_2\text{O}_9$ high temperature piezoceramics. <i>Ceramics International</i> , 2017 , 43, 5002-5006	5.1	36
163	The piezoelectric and dielectric properties of sodium-potassium niobate ceramics with new multiphase boundary. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 18090-18098	2.1	11
162	Investigation of phase structure, microstructure, and electrical properties of LaAlO_3 -modified alkali niobate lead-free perovskite. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 17761-17771	2.1	1
161	Ga_2O_3 doping and vacancy effect in KNN/T lead-free piezoceramics. <i>Frontiers of Materials Science</i> , 2017 , 11, 344-352	2.5	5
160	Novel rhombohedral and tetragonal phase boundary with high T C in alkali niobate ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 12851-12857	2.1	6
159	New potassium-sodium niobate ternary system with large piezoelectric coefficient and high Curie temperature. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 9812-9820	2.1	10
158	Giant Piezoelectricity and High Curie Temperature in Nanostructured Alkali Niobate Lead-Free Piezoceramics through Phase Coexistence. <i>Journal of the American Chemical Society</i> , 2016 , 138, 15459-15464	16.4	241
157	Superior Piezoelectric Properties in Potassium-Sodium Niobate Lead-Free Ceramics. <i>Advanced Materials</i> , 2016 , 28, 8519-8523	24	446
156	Identification of Phase Boundaries and Electrical Properties in Ternary Potassium-Sodium Niobate-Based Ceramics. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 18943-53	9.5	62
155	Lead-Free $\text{KNbO}_3:\text{xZnO}$ Composite Ceramics. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 30304-30314	14.5	26
154	Fracture Behaviors and Ferroelastic Deformation in W/Cr Co-Doped $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ Ceramics. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 2103-2109	3.8	14

153	Structure and electrical properties of $(0.965-x)(K_{0.48}Na_{0.52})NbO_3 \square BiGaO_3 \square 0.035(Bi_{0.5}Na_{0.5})ZrO_3$ piezoelectric ceramics. <i>RSC Advances</i> , 2016 , 6, 57210-57216	3.7	21
152	Crystal Structure, Piezoelectric and Dielectric Properties of $(Li, Ce)_{4+}$, Nb_{5+} and Mn_{2+} Co-doped $CaBi_4Ti_4O_{15}$ High-Temperature Ceramics. <i>Journal of Electronic Materials</i> , 2016 , 45, 3597-3602	1.9	5
151	MnO_2 -doped $(Ca_{0.4}, Sr_{0.6})Bi_4Ti_4O_{15}$ high-temperature piezoelectric ceramics with improved thermal stability. <i>Journal of Materials Science</i> , 2016 , 51, 5104-5112	4.3	11
150	High piezoelectricity in $(K, Na)(Nb, Sb)O_3 \square (Bi, La, Na, Li)ZrO_3$ lead-free ceramics. <i>Journal of Materials Science</i> , 2016 , 51, 4963-4972	4.3	39
149	Electrical and Dielectric Properties of Aluminum/Niobium Co-doped $CaCu_3Ti_4O_{12}$ Ceramics. <i>Ferroelectrics</i> , 2016 , 492, 1-9	0.6	6
148	Microstructure, electrical properties and temperature stability in $Bi_{0.5}Na_{0.5}Zr_{0.95}Ce_{0.05}O_3$ modified $R \square$ phase boundary of potassium-sodium niobium lead-free ceramics. <i>RSC Advances</i> , 2016 , 6, 6983-6989	3.7	10
147	Properties of Low-Temperature Sintering $PNN \square MW \square SN \square ZT$ Piezoelectric Ceramics with $Ba(Cu_{1/2}W_{1/2})O_3$ Sintering Aids. <i>International Journal of Applied Ceramic Technology</i> , 2016 , 13, 1119-1124	2.4	8
146	Structure refinements and the influences of A-site vacancies on properties of $Na_{0.5}Bi_{2.5}Nb_2O_9$ -based high temperature piezoceramics. <i>Journal of Applied Physics</i> , 2016 , 120, 194103	2.5	18
145	Effect of B-site dopants Nb, Ta and W on microstructure and electrical properties of $Ca_{0.85}(Li, Ce)_{0.075}Bi_4Ti_4O_{15}-0.01MnCO_3$ piezoelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 913-920	2.1	8
144	Microstructure and electrical properties of $0.94Bi_{0.51}(Na_{1-x}K_x)_{0.50}TiO_3-0.06(Ba_{0.98}Ca_{0.02})(Ti_{0.94}Sn_{0.06})O_3$ ceramics. <i>Journal of Electroceramics</i> , 2016 , 37, 18-22	1.5	
143	Balanced development of piezoelectricity, Curie temperature, and temperature stability in potassium-sodium niobate lead-free ceramics. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 9779-9787	7.1	23
142	Enhanced piezoelectric properties in potassium-sodium niobate-based ternary ceramics. <i>Materials and Design</i> , 2016 , 109, 609-614	8.1	37
141	Saturated hysteresis loops and conduction mechanisms in Mn-doped $BiFeO_3$ thin films derived from sol-gel process. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 1719-1726	2.1	8
140	Microstructure and electrical properties of $(Ba_{0.98}Ca_{0.02})(Ti_{0.94}Sn_{0.06})O_3 \square$ wt% ZnO lead-free piezoelectric ceramics sintered at lower temperature. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 2323-2328	2.1	17
139	Phase structure and electrical properties of $0.965(K_{0.45}Na_{0.55})_{0.95}Ag_{0.05}(Nb_{1-x}Sb_x)O_3 \square 0.035Bi_{0.5}(Na_{0.5}Li_{0.5})_{0.5}ZrO_3$ lead-free ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 7309-7315	2.1	11
138	Characteristics of giant piezoelectricity around the rhombohedral-tetragonal phase boundary in $(K, Na)NbO_3$ -based ceramics with different additives. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15951-15961	1.3	37
137	Multi-scale thermal stability of niobate-based lead-free piezoceramics with large piezoelectricity. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 8780-8787	7.1	77
136	Strong piezoelectricity in $(1-x)(K_{0.4}Na_{0.6})(Nb_{0.96}Sb_{0.04})O_3-xBi_{0.5}K_{0.5}Zr_{1-y}Sn_yO_3$ lead-free binary system: identification and role of multiphase coexistence. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 5927-37	9.5	57

135	Potassium-sodium niobate lead-free piezoelectric ceramics: recent advances and perspectives. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 9297-9308	2.1	55
134	High unipolar strain in samarium-doped potassium-sodium niobate lead-free ceramics. <i>RSC Advances</i> , 2015 , 5, 39295-39302	3.7	14
133	Piezoelectric properties and thermal stability of $\text{Ca}_{0.92}(\text{Li,Ce})_{0.04}\text{Bi}_2\text{Nb}_2\text{W}_x\text{O}_9$ high-temperature ceramics. <i>Applied Physics A: Materials Science and Processing</i> , 2015 , 119, 337-341	2.6	20
132	Enhanced ferroelectric and dielectric properties of $\text{BiFeO}_3/\text{PbTiO}_3$ thin films grown via a sol-gel multilayer deposition method. <i>Journal of Sol-Gel Science and Technology</i> , 2015 , 75, 353-359	2.3	5
131	Potassium-sodium niobate lead-free piezoelectric materials: past, present, and future of phase boundaries. <i>Chemical Reviews</i> , 2015 , 115, 2559-95	68.1	1006
130	Dielectric and Ferroelectric Behaviors of (100)-Oriented $0.9\text{Pb}(\text{Sc}_{0.5}\text{Ta}_{0.5})\text{O}_3$ - 0.1PbTiO_3 Thin Films. <i>Ferroelectrics</i> , 2015 , 478, 157-164	0.6	1
129	Composition-Driven Phase Boundary and Piezoelectricity in Potassium-Sodium Niobate-Based Ceramics. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 20332-41	9.5	62
128	Potassium-sodium niobate lead-free ceramics: modified strain as well as piezoelectricity. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1868-1874	13	73
127	Influence of K/Na ratio on phase structure and electrical properties of $0.96(\text{K} \times \text{Na}_{1-x})\text{NbO}_3$ - $0.04(\text{Bi}_{0.5}\text{Na}_{0.5})\text{ZrO}_3$ lead-free ceramics. <i>Journal of Electroceramics</i> , 2015 , 34, 142-149	1.5	11
126	Effect of Sintering Parameters on Microstructure and Electrical Properties of $(\text{Ba}_{0.98}\text{Ca}_{0.02})(\text{Ti}_{0.94}\text{Sn}_{0.06})\text{O}_3$ Lead-Free Piezo-Ceramics. <i>Ferroelectrics</i> , 2015 , 489, 129-134	0.6	5
125	Microstructure and Electrical Properties of $(1-x)(\text{K}_{0.46}\text{Na}_{0.54})\text{NbO}_3$ - $x(\text{Bi}_{0.5}\text{Na}_{0.5})(\text{Zr}_{0.85}\text{Ti}_{0.15})\text{O}_3$ Lead-Free Piezoelectric Ceramics. <i>Ferroelectrics</i> , 2015 , 489, 135-140	0.6	4
124	Effect of SrZrO_3 on phase structure and electrical properties of $0.974(\text{K}_{0.5}\text{Na}_{0.5})\text{NbO}_3$ - $0.026\text{Bi}_{0.5}\text{K}_{0.5}\text{TiO}_3$ lead-free ceramics. <i>Ceramics International</i> , 2014 , 40, 2731-2735	5.1	20
123	New potassium-sodium niobate lead-free piezoceramic: Giant-d33 vs. sintering temperature. <i>Journal of Applied Physics</i> , 2014 , 115, 114104	2.5	51
122	Large d33 in $(\text{K,Na})(\text{Nb,Ta,Sb})\text{O}_3$ - $(\text{Bi,Na,K})\text{ZrO}_3$ lead-free ceramics. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 4122	13	94
121	Giant piezoelectricity in potassium-sodium niobate lead-free ceramics. <i>Journal of the American Chemical Society</i> , 2014 , 136, 2905-10	16.4	590
120	High strain in $(\text{K}_{0.40}\text{Na}_{0.60})(\text{Nb}_{0.955}\text{Sb}_{0.045})\text{O}_3/\text{Bi}_{0.50}\text{Na}_{0.50}\text{ZrO}_3$ lead-free ceramics with large piezoelectricity. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 8796-8803	7.1	84
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115	Microstructure and electrical properties in W/Nb co-doped Aurivillius phase $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ piezoelectric ceramics. <i>Materials Research Bulletin</i> , 2014 , 59, 125-130	5.1	51
114	Effect of La and Co-doping on microstructure and electrical properties of BiFeO_3 thin films. <i>Science Bulletin</i> , 2014 , 59, 5205-5211		8
113	Phase transition and piezoelectric properties of $(1-x)(\text{K}_{0.42}\text{Na}_{0.58})(\text{Nb}_{0.96}\text{Sb}_{0.04})\text{O}_3 \cdot x(\text{Bi}_{0.5}\text{Na}_{0.5})_{0.90}\text{Mg}_{0.10}\text{ZrO}_3$ lead-free ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 4650-4656	2.1	14
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