Ruzhong Zuo

List of Publications by Citations

202 papers	6,463 citations	39 h-index	72 g-index
207 ext. papers	7,815 ext. citations	4.9 avg, IF	6.75 L-index

#	Paper	IF	Citations
202	Sintering and Electrical Properties of Lead-Free Na0.5K0.5NbO3 Piezoelectric Ceramics. *Journal of the American Ceramic Society*, **2006**, 89, 2010-2015	3.8	340
201	Phase structures and electrical properties of new lead-free (Na0.5K0.5)NbO3–(Bi0.5Na0.5)TiO3 ceramics. *Applied Physics Letters*, **2007**, 90, 092904	3.4	282
200	Linear-like lead-free relaxor antiferroelectric (Bi0.5Na0.5)TiO3–NaNbO3 with giant energy-storage density/efficiency and super stability against temperature and frequency. *Journal of Materials Chemistry A*, **2019**, 7, 3971-3978	13	250
199	Ultrahigh Energy-Storage Density in NaNbO3-Based Lead-Free Relaxor Antiferroelectric Ceramics with Nanoscale Domains. *Advanced Functional Materials*, **2019**, 29, 1903877	15.6	204
198	Rhombohedral–Tetragonal Phase Coexistence and Piezoelectric Properties of (NaK)(NbSb)O3–LiTaO3–BaZrO3 Lead-Free Ceramics. *Journal of the American Ceramic Society*, **2011**, 94, 1467-1470	3.8	190
197	Novel BiFeO3–BaTiO3–Ba(Mg1/3Nb2/3)O3 Lead-Free Relaxor Ferroelectric Ceramics for Energy-Storage Capacitors. *Journal of the American Ceramic Society*, **2015**, 98, 2692-2695	3.8	178
196	Enhanced energy storage properties in La(Mg1/2Ti1/2)O3-modified BiFeO3-BaTiO3 lead-free relaxor ferroelectric ceramics within a wide temperature range. *Journal of the European Ceramic Society*, **2017**, 37, 413-418	6	160
195	Phase Transformation and Tunable Piezoelectric Properties of Lead-Free (Na0.52K0.48−xLix)(Nb1−y−zSbyTaz)O3 System. *Journal of the American Ceramic Society*, **2009**, 92, 283-285	3.8	156
194	Antimony Tuned Rhombohedral-Orthorhombic Phase Transition and Enhanced Piezoelectric Properties in Sodium Potassium Niobate. *Journal of the American Ceramic Society*, **2010**, 93, 2783-2787	3.8	154
193	Poling dependence and stability of piezoelectric properties of Ba(Zr0.2Ti0.8)O3-(Ba0.7Ca0.3)TiO3 ceramics with huge piezoelectric coefficients. *Current Applied Physics*, **2011**, 11, S120-S123	2.6	146
192	Superior Energy-Storage Capacitors with Simultaneously Giant Energy Density and Efficiency Using Nanodomain Engineered BiFeO3-BaTiO3-NaNbO3 Lead-Free Bulk Ferroelectrics. *Advanced Energy Materials*, **2020**, 10, 1903338	21.8	144
191	Tantalum doped 0.94Bi0.5Na0.5TiO3–0.06BaTiO3 piezoelectric ceramics. *Journal of the European Ceramic Society*, **2008**, 28, 871-877	6	130
190	Giant electrostrains accompanying the evolution of a relaxor behavior in Bi(Mg,Ti)O3–PbZrO3–PbTiO3 ferroelectric ceramics. *Acta Materialia*, **2013**, 61, 3687-3694	8.4	102
189	High piezoelectric activity in (Na,K)NbO3 based lead-free piezoelectric ceramics: Contribution of nanodomains. *Applied Physics Letters*, **2011**, 99, 062901	3.4	94
188	Na0.5K0.5NbO3–BiFeO3 lead-free piezoelectric ceramics. *Journal of Physics and Chemistry of Solids*, **2008**, 69, 230-235	3.9	89
187	Influence of A-site nonstoichiometry on sintering, microstructure and electrical properties of (Bi0.5Na0.5)TiO3 ceramics. *Materials Chemistry and Physics*, **2008**, 110, 311-315	4.4	87
186	Enhanced breakdown strength and energy storage density in a new BiFeO3-based ternary lead-free relaxor ferroelectric ceramic. *Journal of the European Ceramic Society*, **2019**, 39, 2673-2679	6	82

185	Anisotropic constitutive laws for sintering bodies. *Acta Materialia*, **2006**, 54, 111-118	8.4	81
184	Giant electrostrictive effects of NaNbO3-BaTiO3 lead-free relaxor ferroelectrics. *Applied Physics Letters*, **2016**, 108, 232904	3.4	78
183	Phase Transitional Behavior and Piezoelectric Properties of Lead-Free (Na0.5K0.5)NbO3(Bi0.5K0.5)TiO3 Ceramics. *Journal of the American Ceramic Society*, **2007**, 90, 2424-2428	3.8	77
182	Dielectric and Piezoelectric Properties of Lead Free Na0.5K0.5NbO3BiScO3Ceramics. *Japanese Journal of Applied Physics*, **2007**, 46, 6733-6736	1.4	75
181	Structure-Dependent Microwave Dielectric Properties and Middle-Temperature Sintering of Forsterite (Mg1Nix)2SiO4 Ceramics. *Journal of the American Ceramic Society*, **2015**, 98, 702-710	3.8	70
180	Two-Step Sintering: An Approach to Broaden the Sintering Temperature Range of Alkaline Niobate-Based Lead-Free Piezoceramics. *Journal of the American Ceramic Society*, **2010**, 93, 3552-3555	3.8	68
179	Polymorphic phase transition and enhanced piezoelectric properties of LiTaO3-modified (Na0.52K0.48) (Nb0.93Sb0.07)O3lead-free ceramics. *Journal Physics D: Applied Physics*, **2009**, 42, 012006	3	68
178	Large energy-storage density in transition-metal oxide modified NaNbO3Bi(Mg0.5Ti0.5)O3 lead-free ceramics through regulating the antiferroelectric phase structure. *Journal of Materials Chemistry A*, **2020**, 8, 8352-8359	13	67
177	Phase transition and electrical properties of lead free (Na0.5K0.5)NbO3BiAlO3 ceramics. *Journal of Alloys and Compounds*, **2009**, 476, 836-839	5.7	64
176	Dielectric and piezoelectric properties of Fe2O3-doped (Na0.5K0.5)0.96Li0.04Nb0.86Ta0.1Sb0.04O3 lead-free ceramics. *Journal of Physics and Chemistry of Solids*, **2008**, 69, 1728-1732	3.9	64
175	Phase-Composition-Dependent Piezoelectric and Electromechanical Strain Properties in (Bi1/2Na1/2)TiO3Ba(Ni1/2Nb1/2)O3 Lead-Free Ceramics. *Journal of the American Ceramic Society*, **2015**, 98, 811-818	3.8	63
174	Low-Temperature-Fired ReVO4 (Re=La, Ce) Microwave Dielectric Ceramics. *Journal of the American Ceramic Society*, **2015**, 98, 1-4	3.8	60
173	Electric field induced intermediate phase and polarization rotation path in alkaline niobate based piezoceramics close to the rhombohedral and tetragonal phase boundary. *Applied Physics Letters*, **2012**, 100, 122902	3.4	54
172	Large strains accompanying field-induced ergodic phase-polar ordered phase transformations in Bi(Mg0.5Ti0.5)O3PbTiO3(Bi0.5Na0.5)TiO3 ternary system. *Journal of the European Ceramic Society*, **2014**, 34, 2299-2309	6	46
171	Excellent energy-storage properties of NaNbO3-based lead-free antiferroelectric orthorhombic P-phase (Pbma) ceramics with repeatable double polarization-field loops. *Journal of the European Ceramic Society*, **2019**, 39, 3703-3709	6	43
170	Critical Evaluation of Hot Forging Experiments: Case Study in Alumina. *Journal of the American Ceramic Society*, **2003**, 86, 1099-1105	3.8	42
169	Effect of Li2OV2O5 addition on the sintering behavior and microwave dielectric properties of Li3(Mg1Znx)2NbO6 ceramics. *Ceramics International*, **2014**, 40, 15677-15684	5.1	41
168	Dielectric Relaxor Evolution and Frequency-Insensitive Giant Strains in (Bi0.5Na0.5)TiO3-Modified Bi(Mg0.5Ti0.5)O3PbTiO3 Ferroelectric Ceramics. *Journal of the American Ceramic Society*, **2014**, 97, 1855-1860	3.8	41

167	Lead-free (Ba,Sr)TiO3 BiFeO3 based multilayer ceramic capacitors with high energy density. *Journal of the European Ceramic Society*, **2020**, 40, 1779-1783	6	41
166	Direct and indirect characterization of electrocaloric effect in (Na,K)NbO3 based lead-free ceramics. *Applied Physics Letters*, **2016**, 109, 162902	3.4	41
165	Realizing Stable Relaxor Antiferroelectric and Superior Energy Storage Properties in (NaLa)(NbTi)O Lead-Free Ceramics through A/B-Site Complex Substitution. *ACS Applied Materials & Interfaces*, **2020**, 12, 32871-32879	9.5	39
164	Synthesis and photocatalytic activity of electrospun niobium oxide nanofibers. *Materials Research Bulletin*, **2013**, 48, 1213-1217	5.1	39
163	NaNbO3-(Bi0.5Li0.5)TiO3 Lead-Free Relaxor Ferroelectric Capacitors with Superior Energy-Storage Performances via Multiple Synergistic Design. *Advanced Energy Materials*, **2021**, 11, 2101378	21.8	39
162	Expanded linear polarization response and excellent energy-storage properties in (Bi0.5Na0.5)TiO3-KNbO3 relaxor antiferroelectrics with medium permittivity. *Chemical Engineering Journal*, **2020**, 398, 125639	14.7	38
161	A novel low-temperature firable La2Zr3(MoO4)9 microwave dielectric ceramic. *Journal of the European Ceramic Society*, **2018**, 38, 339-342	6	38
160	Low electric-field driven ultrahigh electrostrains in Sb-substituted (Na,K)NbO3 lead-free ferroelectric ceramics. *Applied Physics Letters*, **2014**, 105, 242903	3.4	38
159	Liquid-phase sintering, microstructural evolution, and microwave dielectric properties of Li2Mg3SnO6 LiF ceramics. *Journal of the American Ceramic Society*, **2018**, 101, 569-576	3.8	37
158	Achieving Remarkable Amplification of Energy-Storage Density in Two-Step Sintered NaNbO-SrTiO Antiferroelectric Capacitors through Dual Adjustment of Local Heterogeneity and Grain Scale. *ACS Applied Materials & Interfaces*, **2020**, 12, 19467-19475	9.5	36
157	A Novel BiFeO3 BaTiO3 BaZrO3 Lead-Free Relaxor Ferroelectric Ceramic with Low-Hysteresis and Frequency-Insensitive Large Strains. *Journal of the American Ceramic Society*, **2015**, 98, 3670-3672	3.8	36
156	Viscous Poisson coefficient determined by discontinuous hot forging. *Journal of Materials Research*, **2003**, 18, 2170-2176	2.5	36
155	Synthesis and characterization of sol gel derived (Ba,Ca)(Ti,Zr)O3 nanoparticles. *Journal of Materials Science: Materials in Electronics*, **2012**, 23, 753-757	2.1	35
154	Sintering, microstructure and piezoelectric properties of CuO and SnO2 co-modified sodium potassium niobate ceramics. *Materials Research Bulletin*, **2010**, 45, 124-128	5.1	35
153	Synthesis and characterization of (001) oriented BaTiO3 platelets through a topochemical conversion. *Powder Technology*, **2012**, 217, 11-15	5.2	34
152	Controllable preparation of BiFeO3@carbon core/shell nanofibers with enhanced visible photocatalytic activity. *Journal of Molecular Catalysis A*, **2013**, 376, 1-6		34
151	Polarization reversal and dynamic scaling of (Na0.5K0.5)NbO3 lead-free ferroelectric ceramics with double hysteresis-like loops. *Journal of Applied Physics*, **2012**, 112, 104114	2.5	34
150	Structure, Microwave Dielectric Properties, and Low-Temperature Sintering of Acceptor/Donor Codoped Li2Ti1 (Al0.5Nb0.5)xO3 Ceramics. *Journal of the American Ceramic Society*, **2016**, 99, 825-832	3.8	34

149	A novel low-temperature fired microwave dielectric ceramic BaMg 2 V 2 O 8 with ultra-low loss. *Journal of the European Ceramic Society*, **2016**, 36, 247-251	6	33
148	Narrow sintering temperature window for (K, Na)NbO3-based lead-free piezoceramics caused by compositional segregation. *Physica Status Solidi (A) Applications and Materials Science*, **2011**, 208, 791-794	1.6	33
147	Effects of Nb5+ doping on sintering and electrical properties of lead-free (Bi0.5Na0.5)TiO3 ceramics. *Journal of Materials Science: Materials in Electronics*, **2009**, 20, 1140-1143	2.1	33
146	Morphotropic NaNbO3-BaTiO3-CaZrO3 lead-free ceramics with temperature-insensitive piezoelectric properties. *Applied Physics Letters*, **2016**, 109, 022902	3.4	33
145	Electric field forced c -axis oriented growth of polar nanoregions and rapid switching of tetragonal domains in BNT-PT-PMN ternary system. *Journal of the European Ceramic Society*, **2016**, 36, 515-525	6	32
144	PMNPT Ceramics Prepared By Spark Plasma Sintering. *Journal of the American Ceramic Society*, **2007**, 90, 1101-1106	3.8	32
143	Stable antiferroelectricity with incompletely reversible phase transition and low volume-strain contribution in BaZrO3 and CaZrO3 substituted NaNbO3 ceramics. *Acta Materialia*, **2018**, 161, 352-359	8.4	32
142	Thermally stable electrostrains of morphotropic 0.875NaNbO3-0.1BaTiO3-0.025CaZrO3 lead-free piezoelectric ceramics. *Applied Physics Letters*, **2017**, 110, 112903	3.4	30
141	Normal to Relaxor Ferroelectric Transition and Domain Morphology Evolution in (K,Na)(Nb,Sb)O3LiTaO3BaZrO3 Lead-Free Ceramics. *Journal of the American Ceramic Society*, **2011**, 94, 4352-4357	3.8	30
140	A novel Li2TiO3Li2CeO3 ceramic composite with excellent microwave dielectric properties for low-temperature cofired ceramic applications. *Journal of the European Ceramic Society*, **2018**, 38, 119-123	6	30
139	Temperature-insensitive large electrostrains and electric field induced intermediate phases in (0.7x)Bi(Mg1/2Ti1/2)O3xPb(Mg1/3Nb2/3)O30.3PbTiO3 ceramics. *Journal of the European Ceramic Society*, **2014**, 34, 4235-4245	6	29
138	Synthesis and photocatalytic performance of the electrospun Bi2Fe4O9 nanofibers. *Journal of Materials Science*, **2013**, 48, 4143-4150	4.3	29
137	Investigations of domain switching and lattice strains in (Na,K)NbO3-based lead-free ceramics across orthorhombic-tetragonal phase boundary. *Journal of the European Ceramic Society*, **2017**, 37, 975-983	6	29
136	Relationship of the structural phase transition and microwave dielectric properties in MgZrNb 2 O 8 TiO 2 ceramics. *Ceramics International*, **2016**, 42, 7681-7689	5.1	28
135	Enhanced rhombohedral domain switching and low field driven high electromechanical strain response in BiFeO3-based relaxor ferroelectric ceramics. *Journal of the European Ceramic Society*, **2016**, 36, 2453-2460	6	28
134	Effects of ball milling on microstructure and electrical properties of solgel derived (Bi0.5Na0.5)0.94Ba0.06TiO3 piezoelectric ceramics. *Materials & Design*, **2010**, 31, 4403-4407		28
133	Temperature driven nano-domain evolution in lead-free Ba(Zr0.2Ti0.8)O3-50(Ba0.7Ca0.3)TiO3 piezoceramics. *Applied Physics Letters*, **2014**, 105, 032903	3.4	27
132	Structures and piezoelectric properties of (NaKLi)1x(BiNaBa)xNb1xTixO3 lead-free ceramics. *Applied Physics Letters*, **2007**, 91, 062916	3.4	27

131	Low temperature fired Ln2Zr3(MoO4)9 (Ln?Sm, Nd) microwave dielectric ceramics. *Ceramics International*, **2017**, 43, 17229-17232	5.1	26
130	Preparation and microwave dielectric properties of Li 3 (Mg 0.92 Zn 0.08) 2 NbO 6 Ba 3 (VO 4) 2 composite ceramics for LTCC applications. *Materials Research Bulletin*, **2015**, 68, 109-114	5.1	26
129	Giant electrostrictive strain in (Bi0.5Na0.5)TiO3NaNbO3 lead-free relaxor antiferroelectrics featuring temperature and frequency stability. *Journal of Materials Chemistry A*, **2020**, 8, 2369-2375	13	26
128	Structure and piezoelectric properties of lead-free (Na0.52K0.44)(Nb0.95 Sb0.05)O3-xLiTaO3 ceramics. *Journal of Materials Science: Materials in Electronics*, **2010**, 21, 241-245	2.1	26
127	Graphene nanocluster decorated niobium oxide nanofibers for visible light photocatalytic applications. *Journal of Materials Chemistry A*, **2014**, 2, 8190	13	25
126	Preparation and multiferroic properties of 2-2 type CoFe2O4/Pb(Zr,Ti)O3 composite films with different structures. *Ceramics International*, **2014**, 40, 9249-9256	5.1	25
125	Low-loss and low-temperature firable Li2Mg3SnO6-Ba3(VO4)2 microwave dielectric ceramics for LTCC applications. *Ceramics International*, **2018**, 44, 2606-2610	5.1	24
124	Morphotropic phase boundary and electrical properties of lead-free (K0.5Bi0.5)TiO3Bi(Ni0.5Ti0.5)O3 relaxor ferroelectric ceramics. *Ceramics International*, **2013**, 39, 9121-9124	5.1	24
123	Phase transition characteristics and piezoelectric properties of compositionally optimized alkaline niobate based ceramics. *Journal of Alloys and Compounds*, **2009**, 486, 790-794	5.7	24
122	Ultrahigh Q values and atmosphere-controlled sintering of Li2(1+x)Mg3ZrO6 microwave dielectric ceramics. *Ceramics International*, **2017**, 43, 2246-2251	5.1	23
121	Low-Temperature Sinterable (1)Ba3(VO4)2LiMg0.9Zn0.1PO4 Microwave Dielectric Ceramics. *Journal of the American Ceramic Society*, **2013**, 96, 3862-3867	3.8	23
120	Effect of Ordering on the Microwave Dielectric Properties of Spinel-Structured (Zn1(Li2/3Ti1/3)x)2TiO4 Ceramics. *Journal of the American Ceramic Society*, **2016**, 99, 3343-3349	3.8	23
119	Strain effects of temperature and electric field induced phase instability in (Na,K)(Nb,Sb)O3-LiTaO3 lead-free ceramics. *Journal of the European Ceramic Society*, **2017**, 37, 2309-2313	6	22
118	Electric field induced phase instability in typical (Na,K)(Nb,Sb)O3-LiTaO3 ceramics near orthorhombic and tetragonal phase boundary. *Applied Physics Letters*, **2012**, 101, 092906	3.4	22
117	Processing and Piezoelectric Properties of (Na0.5K0.5)0.96Li0.04(Ta0.1Nb0.9)1CuxO3x/2 Lead-Free Ceramics. *Journal of the American Ceramic Society*, **2008**, 91, 914-917	3.8	22
116	Electric field induced monoclinic phase in (Na0.52K0.48)(Nb1ySby)O3 ceramics close to the rhombohedral-orthorhombic polymorphic phase boundary. *Applied Physics Letters*, **2013**, 103, 182907	3.4	21
115	X-ray analysis of phase coexistence and electric poling processing in alkaline niobate-based compositions. *Journal of Alloys and Compounds*, **2010**, 493, 197-201	5.7	21
114	An environmentally-benign NaNbO3 based perovskite antiferroelectric alternative to traditional lead-based counterparts. *Journal of Materials Chemistry C*, **2019**, 7, 15153-15161	7.1	21

113	Phase transition behavior and electrical properties of lead-free (Bi0.5K0.5)TiO3□iNbO3 relaxor ferroelectric ceramics. *Ceramics International*, **2013**, 39, 725-730	5.1	20
112	Effects of Additives on the Interfacial Microstructure of Cofired Electrode-Ceramic Multilayer Systems. *Journal of the American Ceramic Society*, **2004**, 85, 787-793	3.8	20
111	Sol□gel derived (Li, Ta, Sb) modified sodium potassium niobate ceramics: Processing and piezoelectric properties. *Journal of Alloys and Compounds*, **2011**, 509, 936-941	5.7	19
110	Preparation and characterization of sol□gel derived (Li,Ta,Sb) modified (K,Na)NbO3 lead-free ferroelectric thin films. *Materials Chemistry and Physics*, **2011**, 130, 165-169	4.4	19
109	A novel self-composite property-tunable LaTiNbO 6 microwave dielectric ceramic. *Materials Research Bulletin*, **2016**, 83, 568-572	5.1	19
108	Structure and microwave dielectric properties of Ba3(VO4)2□n2□SiO4□ ceramic composites. *Materials Research Bulletin*, **2013**, 48, 2011-2017	5.1	18
107	Low-temperature fired thermal-stable Li2TiO3□NiO microwave dielectric ceramics. *Journal of Materials Science: Materials in Electronics*, **2016**, 27, 7962-7968	2.1	17
106	Evolution of crystallographic grain orientation and anisotropic properties of (K0.5Na0.5)NbO3 ceramics using BaTiO3 templates by reactive templated grain growth. *Journal of Alloys and Compounds*, **2013**, 560, 62-66	5.7	17
105	Shrinkage-Free Sintering of Low-Temperature Cofired Ceramics by Loading Dilatometry. *Journal of the American Ceramic Society*, **2004**, 87, 526-528	3.8	17
104	A novel ultralow-loss Sr2CeO4 microwave dielectric ceramic and its property modification. *Journal of the European Ceramic Society*, **2019**, 39, 1132-1136	6	17
103	Synthesis and microwave dielectric properties of Li2Mg2(WO4)3 ceramics. *Materials Letters*, **2015**, 158, 92-94	3.3	16
102	Densification and texture evolution of Bi4Ti3O12 templated Na0.5Bi0.5TiO3□BaTiO3 ceramics: Effects of excess Bi2O3. *Journal of Alloys and Compounds*, **2012**, 519, 25-28	5.7	16
101	Phase structural transition and microwave dielectric properties in isovalently substituted La1□LnxTiNbO6 (Ln=Ce, Sm) ceramics. *Ceramics International*, **2017**, 43, 7065-7072	5.1	15
100	Relaxor-normal ferroelectric phase transition and significantly enhanced electromechanical strain behavior in Bi(Ni1/2Ti1/2)O3□bTiO3□b(Mg1/3Nb2/3)O3 ternary system close to the morphotropic phase boundary. *Journal of the European Ceramic Society*, **2015**, 35, 3485-3493	6	15
99	Electric field induced phase transition and accompanying giant poling strain in lead-free NaNbO3-BaZrO3 ceramics. *Journal of the European Ceramic Society*, **2018**, 38, 3104-3110	6	15
98	Microwave dielectric properties and low temperature sintering of the ZnO□2O5 doped Ba3Ti2(Mg1/3Nb2/3)2Nb4O21 ceramics. *Ceramics International*, **2013**, 39, 5675-5679	5.1	15
97	Two-step sintering and electrical properties of sol□gel derived 0.94(Bi0.5Na0.5)TiO3□.06BaTiO3 lead-free ceramics. *Journal of Materials Science: Materials in Electronics*, **2011**, 22, 1841-1847	2.1	15
96	Emerging antiferroelectric phases with fascinating dielectric, polarization and strain response in NaNbO3-(Bi0.5Na0.5)TiO3 lead-free binary system. *Acta Materialia*, **2021**, 208, 116710	8.4	15

95	Evolving antiferroelectric stability and phase transition behavior in NaNbO3-BaZrO3-CaZrO3 lead-free ceramics. *Journal of the European Ceramic Society*, **2019**, 39, 2318-2324	6	14
94	Anomalously large lattice strain contributions from rhombohedral phases in BiFeO3-based high-temperature piezoceramics estimated by means of in-situ synchrotron x-ray diffraction. *Journal of the European Ceramic Society*, **2018**, 38, 4653-4658	6	14
93	Critical roles of the rhombohedral-phase inducers in morphotropic NaNbO3-BaTiO3-ABO3 quasi-ternary lead-free piezoelectric ceramics. *Journal of the European Ceramic Society*, **2018**, 38, 5341-5347	6	14
92	Structure and electrical properties of Mn doped Bi(Mg1/2Ti1/2)O3-PbTiO3 ferroelectric thin films. *Applied Surface Science*, **2013**, 268, 327-331	6.7	14
91	Electrical properties of manganese modified sodium potassium lithium niobate lead-free piezoelectric ceramics. *Journal of Materials Science: Materials in Electronics*, **2009**, 20, 212-216	2.1	14
90	Sintering characteristics and dielectric properties of silver-doped PMN-PZN-PT relaxor ferroelectric ceramics. *Journal of Materials Science*, **2000**, 35, 5433-5436	4.3	14
89	Temperature-stable and high Q composite ceramics in low-temperature sinterable BaO-V2O5 binary system. *Journal of Alloys and Compounds*, **2015**, 622, 362-368	5.7	13
88	Excellent energy-storage performances in La2O3 doped (Na,K)NbO3-based lead-free relaxor ferroelectrics. *Journal of the European Ceramic Society*, **2020**, 40, 5466-5474	6	13
87	Octahedral distortion, phase structural stability, and microwave dielectric properties in equivalently substituted LaTiNbO6 ceramics. *Journal of the American Ceramic Society*, **2017**, 100, 5249-5258	3.8	13
86	Uniaxial viscosity of low-temperature cofired ceramic (LTCC) powder compacts determined by loading dilatometry. *Journal of the European Ceramic Society*, **2005**, 25, 417-424	6	13
85	Phase evolution and microwave dielectric properties of Li4Ti5(1+x)O12 ceramics. *Materials Letters*, **2016**, 164, 353-355	3.3	13
84	Multiscale identification of local tetragonal distortion in NaNbO3-BaTiO3 weak relaxor ferroelectrics by Raman, synchrotron x-ray diffraction, and absorption spectra. *Applied Physics Letters*, **2017**, 111, 132901	3.4	12
83	A new Li-based ceramic of Li4MgSn2O7: Synthesis, phase evolution and microwave dielectric properties. *Journal of the European Ceramic Society*, **2018**, 38, 5442-5447	6	12
82	A new series of low-temperature cofirable Li3Ba2La3(1-x)Y3x(MoO4)8 microwave dielectric ceramics. *Journal of the European Ceramic Society*, **2018**, 38, 4677-4681	6	12
81	Evolution of relaxor behavior and high-field strain responses in Bi(Mg1/2Ti1/2)O3-PbTiO3-Pb(Ni1/3Nb2/3)O3 ferroelectric ceramics. *Journal of Alloys and Compounds*, **2017**, 724, 774-781	5.7	12
80	Reactive templated grain growth and anisotropic electrical properties of (Na0.5K0.5)NbO3 ceramics without sintering aids. *Journal of Materials Science: Materials in Electronics*, **2012**, 23, 1367-1372	2.1	12
79	The A-site Li+ driven orthorhombic-tetragonal ferroelectric phase transition and evolving local structures in (Na,K)(Nb,Sb)O3-LiTaO3 lead-free ceramics. *Applied Physics Letters*, **2013**, 102, 122902	3.4	12
78	Phase Transformation Behavior and Electrical Properties of Pb(Zr0.56Ti0.44)O3-Bi(Zn0.5Ti0.5)O3 Solid Solution Ceramics. *Journal of the American Ceramic Society*, **2011**, 94, 4340-4344	3.8	12

77	Densification behavior, microstructure, and electrical properties of sol–gel-derived niobium-doped (Bi0.5Na0.5)0.94Ba0.06TiO3 ceramics. *Journal of Materials Science*, **2010**, 45, 3677-3682	4.3	12
76	Structure and microwave dielectric properties of Ba1−xSrxMg2V2O8 ceramics. *Ceramics International*, **2016**, 42, 10801-10807	5.1	12
75	Structural, dielectric, ferroelectric and strain properties in CaZrO3-modified Bi(Mg0.5Ti0.5)O3–PbTiO3 solid solutions. *Journal of Alloys and Compounds*, **2014**, 591, 218-223	5.7	11
74	Preparation and piezoelectric properties of CuO-doped (Na0.5K0.5)NbO3 ceramics by the citrate precursor method. *Journal of Materials Science: Materials in Electronics*, **2011**, 22, 458-462	2.1	11
73	Structures and electrical properties of (Na0.5K0.5)NbO3–Li(Ta0.5Nb0.5)O3 lead-free piezoelectric ceramics. *Journal of Materials Science: Materials in Electronics*, **2009**, 20, 469-472	2.1	11
72	Local Structure Engineered Lead-Free Ferroic Dielectrics for Superior Energy-Storage Capacitors: A Review. *Energy Storage Materials*, **2021**, 45, 541-541	19.4	11
71	A novel temperature-stable Ba2-xCaxMgTi5O13 microwave dielectric ceramic. *Journal of the European Ceramic Society*, **2020**, 40, 376-380	6	11
70	Raman scattering and infrared reflectivity study of orthorhombic/monoclinic LaTiNbO6 microwave dielectric ceramics by A/B-site substitution. *Ceramics International*, **2018**, 44, 16191-16198	5.1	11
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