

Ruzhong Zuo

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.

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	Preparation of porous sea-urchin-like CuO/ZnO composite nanostructure consisting of numerous nanowires with improved gas-sensing performance. <i>Frontiers of Materials Science</i> , 2022 , 16, 1	2.5	1
201	A novel (1-x)MgZr _{0.85} Sn _{0.15} Nb ₂ O ₈ -xBa ₃ Ti ₄ Nb ₄ O ₂₁ microwave dielectric composite ceramic with near-zero temperature coefficient. <i>Journal of Alloys and Compounds</i> , 2022 , 896, 163101	5.7	0
200	NaNbO ₃ -CaTiO ₃ lead-free relaxor antiferroelectric ceramics featuring giant energy density, high energy efficiency and power density. <i>Chemical Engineering Journal</i> , 2022 , 429, 132534	14.7	3
199	Ultrahigh piezoelectricity in (Ba,Ca)(Ti,Sn)O ₃ lead-free compounds with enormous domain wall contribution. <i>Acta Materialia</i> , 2022 , 230, 117862	8.4	0
198	Energy storage properties under moderate electric fields in BiFeO ₃ -based lead-free relaxor ferroelectric ceramics. <i>Chemical Engineering Journal</i> , 2022 , 440, 135789	14.7	3
197	Achieving stable relaxor antiferroelectric P phase in NaNbO ₃ -based lead-free ceramics for energy-storage applications. <i>Journal of Materiomics</i> , 2021 ,	6.7	1
196	Excellent energy storage properties in NaNbO ₃ -based lead-free ceramics by modulating antiferrodistortive of P phase. <i>Journal of Alloys and Compounds</i> , 2021 , 898, 162934	5.7	1
195	Local Structure Engineered Lead-Free Ferroic Dielectrics for Superior Energy-Storage Capacitors: A Review. <i>Energy Storage Materials</i> , 2021 , 45, 541-541	19.4	11
194	MXene nanohybrids: Excellent electromagnetic properties for absorbing electromagnetic waves. <i>Ceramics International</i> , 2021 ,	5.1	2
193	Temperature-stable and ultralow-loss (1-x)CaSmAlO ₄ -xSr ₂ TiO ₄ microwave dielectric solid-solution ceramics. <i>Journal of Materials Science</i> , 2021 , 56, 13190	4.3	1
192	Emerging antiferroelectric phases with fascinating dielectric, polarization and strain response in NaNbO ₃ -(Bi _{0.5} Na _{0.5})TiO ₃ lead-free binary system. <i>Acta Materialia</i> , 2021 , 208, 116710	8.4	15
191	Effect of concentration of Nd ³⁺ on the photoluminescence and ferroelectric properties of Bi _{4-x} Nd _x Ti ₃ O ₁₂ films. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 15653-15664	2.1	0
190	Ultrahigh-Q and thermally stable (Sr _{1-x} Cax) ₂ Ce _{0.665} Ti _{0.335} O ₄ microwave dielectric ceramics with low permittivity. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 17482-17489	2.1	
189	NaNbO ₃ -(Bi _{0.5} Li _{0.5})TiO ₃ Lead-Free Relaxor Ferroelectric Capacitors with Superior Energy-Storage Performances via Multiple Synergistic Design. <i>Advanced Energy Materials</i> , 2021 , 11, 2101378	21.8	39
188	Middle-low temperature sintering and piezoelectric properties of CuO and Bi ₂ O ₃ doped PMS-PZT based ceramics for ultrasonic motors. <i>Ceramics International</i> , 2021 , 47, 20117-20125	5.1	3
187	Mn-doped (Bi _{0.5} Na _{0.5})TiO ₃ thin film with low leakage current density and high ferroelectric performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 7249-7258	2.1	0
186	Understanding the correlation between intermediate monoclinic phase (Cc) and piezoelectric properties in NaNbO ₃ -BaTiO ₃ -CaZrO ₃ ternary system with octahedral tilt. <i>Acta Materialia</i> , 2021 , 215, 117100	8.4	3

185	Field-insensitive giant dynamic piezoelectric response and its structural origin in (Ba,Ca)(Ti,Zr)O ₃ tetragonal-orthorhombic phase-boundary ceramics. <i>Journal of the European Ceramic Society</i> , 2021 , 41, 6441-6448	6	3
184	Expanded linear polarization response and excellent energy-storage properties in (Bi _{0.5} Na _{0.5})TiO ₃ -KNbO ₃ relaxor antiferroelectrics with medium permittivity. <i>Chemical Engineering Journal</i> , 2020 , 398, 125639	14.7	38
183	Ferroelectric, ferromagnetic, and magnetoelectric properties of Bi _{3.15} Nd _{0.85} Ti _{2.9} Zr _{0.1} O ₁₂ Fe ₂ O ₄ composite films with large magnetoelectric coupling effect. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 10865-10872	2.1	1
182	Excellent energy-storage performances in La ₂ O ₃ doped (Na,K)NbO ₃ -based lead-free relaxor ferroelectrics. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 5466-5474	6	13
181	Structural evidence for the polymorphic phase boundary in (Na,K)NbO ₃ based perovskites close to the rhombohedral-tetragonal phase coexistence zone. <i>Acta Materialia</i> , 2020 , 195, 571-578	8.4	9
180	Ferroelectric and photoluminescent properties of Eu ³⁺ -doped Bi ₄ Ti ₃ O ₁₂ films prepared via the spin-coating method. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 6339-6348	2.1	2
179	Realizing Stable Relaxor Antiferroelectric and Superior Energy Storage Properties in (NaLa)(NbTi)O Lead-Free Ceramics through A/B-Site Complex Substitution. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 32871-32879	9.5	39
178	Ultralow-loss and thermally stable Li ₄ MgSn(2 $\bar{1}$.25x)Nb _x O ₇ microwave dielectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 5567-5572	2.1	3
177	Giant electrostrictive strain in (Bi _{0.5} Na _{0.5})TiO ₃ -NaNbO ₃ lead-free relaxor antiferroelectrics featuring temperature and frequency stability. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 2369-2375	13	26
176	Design of p-type NKN-based piezoelectric ceramics sintered in low oxygen partial pressure by defect engineering. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 3667-3675	3.8	5
175	Ultralow-loss and temperature-stable self-composite microwave dielectric ceramic of Li ₄ MgSn ₂ O ₇ -Li ₂ Mg ₃ SnO ₆ for LTCC applications. <i>Journal of Alloys and Compounds</i> , 2020 , 832, 154946	5.7	3
174	Achieving Remarkable Amplification of Energy-Storage Density in Two-Step Sintered NaNbO-SrTiO Antiferroelectric Capacitors through Dual Adjustment of Local Heterogeneity and Grain Scale. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 19467-19475	9.5	36
173	Large energy-storage density in transition-metal oxide modified NaNbO ₃ -Bi(Mg _{0.5} Ti _{0.5})O ₃ lead-free ceramics through regulating the antiferroelectric phase structure. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 8352-8359	13	67
172	Lead-free (Ba,Sr)TiO ₃ -BiFeO ₃ based multilayer ceramic capacitors with high energy density. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 1779-1783	6	41
171	Superior Energy-Storage Capacitors with Simultaneously Giant Energy Density and Efficiency Using Nanodomain Engineered BiFeO ₃ -BaTiO ₃ -NaNbO ₃ Lead-Free Bulk Ferroelectrics. <i>Advanced Energy Materials</i> , 2020 , 10, 1903338	21.8	144
170	A novel temperature-stable Ba _{2-x} CaxMgTi ₅ O ₁₃ microwave dielectric ceramic. <i>Journal of the European Ceramic Society</i> , 2020 , 40, 376-380	6	11
169	Linear-like lead-free relaxor antiferroelectric (Bi _{0.5} Na _{0.5})TiO ₃ -NaNbO ₃ with giant energy-storage density/efficiency and super stability against temperature and frequency. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 3971-3978	13	250
168	Excellent energy-storage properties of NaNbO ₃ -based lead-free antiferroelectric orthorhombic P-phase (Pbma) ceramics with repeatable double polarization-field loops. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 3703-3709	6	43

167	Phase structure dependence of acceptor doping effects in $(\text{Bi}_{0.5}\text{Na}_{0.5})\text{TiO}_3\text{BaTiO}_3$ lead-free ceramics. <i>Journal of Alloys and Compounds</i> , 2019 , 802, 6-12	5.7	9
166	A $\text{Pb}(\text{Zr},\text{Ti})\text{O}_3\text{Pb}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{Bi}(\text{Mn}_{2/3}\text{Sb}_{1/3})\text{O}_3$ quaternary solid solution ceramic with low sintering temperature, high piezoelectric coefficient and large mechanical quality factor. <i>Journal of Materials Science: Materials in Electronics</i> , 2019 , 30, 9540-9546	2.1	3
165	Enhanced breakdown strength and energy storage density in a new BiFeO_3 -based ternary lead-free relaxor ferroelectric ceramic. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 2673-2679	6	82
164	Identifying the local defect structure in $(\text{Na}_{0.5}\text{K}_{0.5})\text{NbO}_3$: 1 mol. % CuO lead-free ceramics by x-ray absorption spectra. <i>Applied Physics Letters</i> , 2019 , 114, 092904	3.4	5
163	Evolving antiferroelectric stability and phase transition behavior in $\text{NaNbO}_3\text{-BaZrO}_3\text{-CaZrO}_3$ lead-free ceramics. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 2318-2324	6	14
162	Ultrahigh Energy-Storage Density in NaNbO_3 -Based Lead-Free Relaxor Antiferroelectric Ceramics with Nanoscale Domains. <i>Advanced Functional Materials</i> , 2019 , 29, 1903877	15.6	204
161	An environmentally-benign NaNbO_3 based perovskite antiferroelectric alternative to traditional lead-based counterparts. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 15153-15161	7.1	21
160	A novel ultralow-loss Sr_2CeO_4 microwave dielectric ceramic and its property modification. <i>Journal of the European Ceramic Society</i> , 2019 , 39, 1132-1136	6	17
159	Electric field induced phase transition and accompanying giant poling strain in lead-free $\text{NaNbO}_3\text{-BaZrO}_3$ ceramics. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 3104-3110	6	15
158	Electric field induced irreversible change and asymmetric butterfly strain loops in $\text{Pb}(\text{Zr},\text{Ti})\text{O}_3\text{-Pb}(\text{Ni}_{1/3}\text{Nb}_{2/3})\text{O}_3\text{-Bi}(\text{Zn}_{1/2}\text{Ti}_{1/2})\text{O}_3$ quaternary ceramics. <i>Ceramics International</i> , 2018 , 44, 8514-8520	5.1	2
157	Low-loss and low-temperature firable $\text{Li}_2\text{Mg}_3\text{SnO}_6\text{-Ba}_3(\text{VO}_4)_2$ microwave dielectric ceramics for LTCC applications. <i>Ceramics International</i> , 2018 , 44, 2606-2610	5.1	24
156	A new low-temperature firable $0.95\text{Pb}(\text{Zr}_x\text{Ti}_{1-x})\text{O}_3\text{-}0.05\text{Bi}(\text{Mn}_{1/2}\text{Ti}_{1/2})\text{O}_3$ ceramic for high-power applications. <i>Ceramics International</i> , 2018 , 44, 5453-5458	5.1	5
155	Liquid-phase sintering, microstructural evolution, and microwave dielectric properties of $\text{Li}_2\text{Mg}_3\text{SnO}_6\text{-LiF}$ ceramics. <i>Journal of the American Ceramic Society</i> , 2018 , 101, 569-576	3.8	37
154	A novel low-temperature firable $\text{La}_2\text{Zr}_3(\text{MoO}_4)_9$ microwave dielectric ceramic. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 339-342	6	38
153	Anomalously large lattice strain contributions from rhombohedral phases in BiFeO_3 -based high-temperature piezoceramics estimated by means of in-situ synchrotron x-ray diffraction. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 4653-4658	6	14
152	Critical roles of the rhombohedral-phase inducers in morphotropic $\text{NaNbO}_3\text{-BaTiO}_3\text{-ABO}_3$ quasi-ternary lead-free piezoelectric ceramics. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 5341-5347	6	14
151	A new Li-based ceramic of $\text{Li}_4\text{MgSn}_2\text{O}_7$: Synthesis, phase evolution and microwave dielectric properties. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 5442-5447	6	12
150	A new series of low-temperature cofirable $\text{Li}_3\text{Ba}_2\text{La}_3(1-x)\text{Y}_3x(\text{MoO}_4)_8$ microwave dielectric ceramics. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 4677-4681	6	12

149	A novel $\text{Li}_2\text{TiO}_3\text{-}x\text{CeO}_3$ ceramic composite with excellent microwave dielectric properties for low-temperature cofired ceramic applications. <i>Journal of the European Ceramic Society</i> , 2018 , 38, 119-123	6	30
148	Stable antiferroelectricity with incompletely reversible phase transition and low volume-strain contribution in BaZrO_3 and CaZrO_3 substituted NaNbO_3 ceramics. <i>Acta Materialia</i> , 2018 , 161, 352-359	8.4	32
147	Raman scattering and infrared reflectivity study of orthorhombic/monoclinic LaTiNbO_6 microwave dielectric ceramics by A/B-site substitution. <i>Ceramics International</i> , 2018 , 44, 16191-16198	5.1	11
146	Phase structural transition and microwave dielectric properties in isovalently substituted $\text{La}_{1-x}\text{Ln}_x\text{TiNbO}_6$ (Ln=Ce, Sm) ceramics. <i>Ceramics International</i> , 2017 , 43, 7065-7072	5.1	15
145	Strain effects of temperature and electric field induced phase instability in (Na,K)(Nb,Sb)O ₃ -LiTaO ₃ lead-free ceramics. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 2309-2313	6	22
144	NaNbO_3 - BaTiO_3 - NaSbO_3 lead and potassium-free ceramics with thermally stable small-signal piezoelectric properties. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 3990-3998	3.8	9
143	Thermally stable electrostrains of morphotropic 0.875NaNbO_3 - 0.1BaTiO_3 - 0.025CaZrO_3 lead-free piezoelectric ceramics. <i>Applied Physics Letters</i> , 2017 , 110, 112903	3.4	30
142	Ultrahigh Q values and atmosphere-controlled sintering of $\text{Li}_2(1+x)\text{Mg}_3\text{ZrO}_6$ microwave dielectric ceramics. <i>Ceramics International</i> , 2017 , 43, 2246-2251	5.1	23
141	Low temperature fired $\text{Ln}_2\text{Zr}_3(\text{MoO}_4)_9$ (Ln=Sm, Nd) microwave dielectric ceramics. <i>Ceramics International</i> , 2017 , 43, 17229-17232	5.1	26
140	Multiscale identification of local tetragonal distortion in NaNbO_3 - BaTiO_3 weak relaxor ferroelectrics by Raman, synchrotron x-ray diffraction, and absorption spectra. <i>Applied Physics Letters</i> , 2017 , 111, 132901	3.4	12
139	Evolution of relaxor behavior and high-field strain responses in $\text{Bi}(\text{Mg}_{1/2}\text{Ti}_{1/2})\text{O}_3$ - PbTiO_3 - $\text{Pb}(\text{Ni}_{1/3}\text{Nb}_{2/3})\text{O}_3$ ferroelectric ceramics. <i>Journal of Alloys and Compounds</i> , 2017 , 724, 774-781	5.7	12
138	Octahedral distortion, phase structural stability, and microwave dielectric properties in equivalently substituted LaTiNbO_6 ceramics. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 5249-5258	3.8	13
137	Effect of non-stoichiometry on the structure and microwave dielectric properties of $\text{BaMg}_2\text{V}_2\text{O}_8$ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 16192-16198	2.1	5
136	Sintering behavior, structural phase transition, and microwave dielectric properties of $\text{La}_{1-x}\text{Zn}_x\text{TiNbO}_6$ - $x/2$ ceramics. <i>Journal of the American Ceramic Society</i> , 2017 , 100, 4362-4368	3.8	10
135	Investigations of domain switching and lattice strains in (Na,K)NbO ₃ -based lead-free ceramics across orthorhombic-tetragonal phase boundary. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 975-983	6	29
134	Enhanced energy storage properties in $\text{La}(\text{Mg}_{1/2}\text{Ti}_{1/2})\text{O}_3$ -modified BiFeO_3 - BaTiO_3 lead-free relaxor ferroelectric ceramics within a wide temperature range. <i>Journal of the European Ceramic Society</i> , 2017 , 37, 413-418	6	160
133	Low-temperature fired thermal-stable $\text{Li}_2\text{TiO}_3\text{-}x\text{LiO}$ microwave dielectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 7962-7968	2.1	17
132	Microstructure, ferroelectric and dielectric properties of $\text{Bi}_4\text{Ti}_3\text{O}_{12}$ materials prepared by two methods. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 3361-3367	2.1	5

131	Camber evolution and stress development during cofiring of dielectric and ferrite bilayer laminates. <i>Ceramics International</i> , 2016 , 42, 7164-7174	5.1	1
130	Relationship of the structural phase transition and microwave dielectric properties in MgZrNb ₂ O ₈ TiO ₂ ceramics. <i>Ceramics International</i> , 2016 , 42, 7681-7689	5.1	28
129	Densification kinetics and anisotropic microstructure evolution in LTCC films constrained by rigid substrate. <i>Ceramics International</i> , 2016 , 42, 3388-3396	5.1	7
128	Enhanced rhombohedral domain switching and low field driven high electromechanical strain response in BiFeO ₃ -based relaxor ferroelectric ceramics. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 2453-2460	6	28
127	Electric field forced c-axis oriented growth of polar nanoregions and rapid switching of tetragonal domains in BNT-PT-PMN ternary system. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 515-525	6	32
126	A novel low-temperature fired microwave dielectric ceramic BaMg ₂ V ₂ O ₈ with ultra-low loss. <i>Journal of the European Ceramic Society</i> , 2016 , 36, 247-251	6	33
125	Effect of Ordering on the Microwave Dielectric Properties of Spinel-Structured (Zn _{1-x} (Li ₂ /3Ti ₁ /3) _x) ₂ TiO ₄ Ceramics. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 3343-3349	3.8	23
124	Structure, Microwave Dielectric Properties, and Low-Temperature Sintering of Acceptor/Donor Codoped Li ₂ Ti _{1-x} (Al _{0.5} Nb _{0.5}) _x O ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 825-832	3.8	34
123	Direct and indirect characterization of electrocaloric effect in (Na,K)NbO ₃ based lead-free ceramics. <i>Applied Physics Letters</i> , 2016 , 109, 162902	3.4	41
122	Morphotropic NaNbO ₃ -BaTiO ₃ -CaZrO ₃ lead-free ceramics with temperature-insensitive piezoelectric properties. <i>Applied Physics Letters</i> , 2016 , 109, 022902	3.4	33
121	Giant electrostrictive effects of NaNbO ₃ -BaTiO ₃ lead-free relaxor ferroelectrics. <i>Applied Physics Letters</i> , 2016 , 108, 232904	3.4	78
120	Phase evolution and microwave dielectric properties of Li ₄ Ti ₅ (1+x)O ₁₂ ceramics. <i>Materials Letters</i> , 2016 , 164, 353-355	3.3	13
119	Structure and microwave dielectric properties of Ba _{1-x} Sr _x Mg ₂ V ₂ O ₈ ceramics. <i>Ceramics International</i> , 2016 , 42, 10801-10807	5.1	12
118	Sintering behavior and anisotropic sintering parameters of uniaxially constrained LTCC tapes. <i>Ceramics International</i> , 2016 , 42, 17366-17373	5.1	
117	A novel self-composite property-tunable LaTiNbO ₆ microwave dielectric ceramic. <i>Materials Research Bulletin</i> , 2016 , 83, 568-572	5.1	19
116	Effects of annealing processes of Ba _{0.9} Ca _{0.1} TiO ₃ films on their microstructures, ferroelectric and dielectric properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 9610-9616	2.1	
115	Synthesis and microwave dielectric properties of Li ₂ Mg ₂ (WO ₄) ₃ ceramics. <i>Materials Letters</i> , 2015 , 158, 92-94	3.3	16
114	Relaxor-normal ferroelectric phase transition and significantly enhanced electromechanical strain behavior in Bi(Ni _{1/2} Ti _{1/2})O ₃ PbTiO ₃ Pb(Mg _{1/3} Nb _{2/3})O ₃ ternary system close to the morphotropic phase boundary. <i>Journal of the European Ceramic Society</i> , 2015 , 35, 3485-3493	6	15

113	Sintering behavior and microwave dielectric properties of Li ₂ O/B ₂ O ₃ /Bi ₂ O ₃ doped MgTiO ₃ /CaTiO ₃ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 4963-4968	2.1	5
112	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. <i>Materials Research Bulletin</i> , 2015 , 68, 109-114	5.1	26
111	Effects of Zr substitution on the microstructure and microwave dielectric properties of Li ₂ Zn(Ti _{1-x} Zr _x) ₃ O ₈ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 9219-9224	2.1	8
110	Phase-Composition-Dependent Piezoelectric and Electromechanical Strain Properties in (Bi _{1/2} Na _{1/2})TiO ₃ /Ba(Ni _{1/2} Nb _{1/2})O ₃ Lead-Free Ceramics. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 811-818	3.8	63
109	Temperature-stable and high Q composite ceramics in low-temperature sinterable BaO/V ₂ O ₅ binary system. <i>Journal of Alloys and Compounds</i> , 2015 , 622, 362-368	5.7	13
108	Novel BiFeO ₃ /BaTiO ₃ /Ba(Mg _{1/3} Nb _{2/3})O ₃ Lead-Free Relaxor Ferroelectric Ceramics for Energy-Storage Capacitors. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 2692-2695	3.8	178
107	A Novel BiFeO ₃ /BaTiO ₃ /BaZrO ₃ Lead-Free Relaxor Ferroelectric Ceramic with Low-Hysteresis and Frequency-Insensitive Large Strains. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 3670-3672	3.8	36
106	Low-Temperature-Fired ReVO ₄ (Re = La, Ce) Microwave Dielectric Ceramics. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 1-4	3.8	60
105	Structure-Dependent Microwave Dielectric Properties and Middle-Temperature Sintering of Forsterite (Mg _{1-x} Ni _x) ₂ SiO ₄ Ceramics. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 702-710	3.8	70
104	Graphene nanocluster decorated niobium oxide nanofibers for visible light photocatalytic applications. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 8190	13	25
103	Effect of Li ₂ O/V ₂ O ₅ addition on the sintering behavior and microwave dielectric properties of Li ₃ (Mg _{1-x} Zn _x) ₂ NbO ₆ ceramics. <i>Ceramics International</i> , 2014 , 40, 15677-15684	5.1	41
102	Temperature-insensitive large electrostrains and electric field induced intermediate phases in (0.7-x)Bi(Mg _{1/2} Ti _{1/2})O ₃ -xPb(Mg _{1/3} Nb _{2/3})O ₃ -0.3PbTiO ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 4235-4245	6	29
101	Temperature driven nano-domain evolution in lead-free Ba(Zr _{0.2} Ti _{0.8})O ₃ -50(Ba _{0.7} Ca _{0.3})TiO ₃ piezoceramics. <i>Applied Physics Letters</i> , 2014 , 105, 032903	3.4	27
100	Bismuth sodium titanate based lead-free ceramic/epoxy 1/3 composites: fabrication and electromechanical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 2730-2736	2.1	6
99	Dielectric Relaxor Evolution and Frequency-Insensitive Giant Strains in (Bi _{0.5} Na _{0.5})TiO ₃ -Modified Bi(Mg _{0.5} Ti _{0.5})O ₃ /PbTiO ₃ Ferroelectric Ceramics. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 1855-1860	3.8	41
98	Large strains accompanying field-induced ergodic phase-polar ordered phase transformations in Bi(Mg _{0.5} Ti _{0.5})O ₃ /PbTiO ₃ /(Bi _{0.5} Na _{0.5})TiO ₃ ternary system. <i>Journal of the European Ceramic Society</i> , 2014 , 34, 2299-2309	6	46
97	Preparation and multiferroic properties of 2-2 type CoFe ₂ O ₄ /Pb(Zr,Ti)O ₃ composite films with different structures. <i>Ceramics International</i> , 2014 , 40, 9249-9256	5.1	25
96	Experimental determination of the uniaxial viscosity of low-temperature co-fired ceramic tapes by vertical sintering. <i>Ceramics International</i> , 2014 , 40, 9367-9375	5.1	7

95	Comparative study of the effect of domain structures on piezoelectric properties in three typical Pb-free piezoceramics. <i>Ceramics International</i> , 2014 , 40, 13565-13571	5.1	10
94	Low electric-field driven ultrahigh electrostrains in Sb-substituted (Na,K)NbO ₃ lead-free ferroelectric ceramics. <i>Applied Physics Letters</i> , 2014 , 105, 242903	3.4	38
93	Li ₂ Zn ₃ Ti ₄ O ₁₂ Ba ₃ (VO ₄) ₂ microwave dielectric ceramics sintered at a low temperature without glass addition. <i>Journal of Materials Science: Materials in Electronics</i> , 2014 , 25, 5570-5575	2.1	10
92	Normal-Relaxor-Diffuse Ferroelectric Phase Transition and Electrical Properties of Bi(Mg _{1/2} Ti _{1/2}) ₃ PbZrO ₃ PbTiO ₃ Solid Solution Ceramics Near the Morphotropic Phase Boundary. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 1912-1917	3.8	6
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