Ruzhong Zuo

List of Publications by Year
in descending order

206 papers	9,268 citations	43973 48 h-index	49773 87 g-index
207 all docs	207 docs citations	207 times ranked	3499 citing authors

#	Article	IF	Citations
1	Linear-like lead-free relaxor antiferroelectric (Bi_{0.5}Na_{0.5})TiO₃â€“NaNbO₃ with giant energy-storage density/efficiency and super stability against temperature and frequency. Journal of Materials Chemistry A, 2019, 7, 3971-3978.	5.2	417
2	Ultrahigh Energyâ€Storage Density in NaNbO₃â€Based Leadâ€Free Relaxor Antiferroelectric Ceramics with Nanoscale Domains. Advanced Functional Materials, 2019, 29, 1903877.	7.8	410
3	Sintering and Electrical Properties of Lead-Free Na0.5K0.5NbO3 Piezoelectric Ceramics. Journal of the American Ceramic Society, 2006, 89, 2010-2015.	1.9	385
4	Superior Energyâ€Storage Capacitors with Simultaneously Giant Energy Density and Efficiency Using Nanodomain Engineered BiFeO₃â€BaTiO₃â€NaNbO₃ Leadâ€Free Bulk Ferroelectrics. Advanced Energy Materials, 2020, 10, 1903338.	10.2	329
5	Phase structures and electrical properties of new lead-free (Na0.5K0.5)NbO3â€“(Bi0.5Na0.5)TiO3 ceramics. Applied Physics Letters, 2007, 90, 092904.	1.5	304
6	Novel BiFeO₃â€“BaTiO₃â€“Ba(Mg_{1/3}Nb_{2/3})O₃ Leadâ€Free Relaxor Ferroelectric Ceramics for Energyâ€Storage Capacitors. Journal of the American Ceramic Society, 2015, 98, 2692-2695.	1.9	238
7	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.	2.8	226
8	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.	1.9	210
9	Antimony Tuned Rhombohedralâ€Orthorhombic Phase Transition and Enhanced Piezoelectric Properties in Sodium Potassium Niobate. Journal of the American Ceramic Society, 2010, 93, 2783-2787.	1.9	184
10	Large energy-storage density in transition-metal oxide modified NaNbO₃â€“Bi(Mg_{0.5}Ti_{0.5})O₃lead-free ceramics through regulating the antiferroelectric phase structure. Journal of Materials Chemistry A, 2020, 8, 8352-8359.	5.2	176
11	NaNbO₃â€(Bi_{0.5}Li_{0.5})TiO₃ Leadâ€Free Relaxor Ferroelectric Capacitors with Superior Energyâ€Storage Performances via Multiple Synergistic Design. Advanced Energy Materials, 2021, 11, 2101378.	10.2	170
12	Phase Transformation and Tunable Piezoelectric Properties of Leadâ€Free (Na_{0.52}K_{0.48âˆ’<i>x</i>}Li_{<i>x</i>})(Nb_{1âˆ’<i>x</i>âˆ’<i>y</i>}Sb<sub><i[illegible]/i></sub System. Journal of the American Ceramic Society, 2009, 92, 283-285.	1.9	169
13	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.	2.8	166
14	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.	1.1	154
15	Giant electrostrains accompanying the evolution of a relaxor behavior in Bi(Mg,Ti)O3â€“PbZrO3â€“PbTiO3 ferroelectric ceramics. Acta Materialia, 2013, 61, 3687-3694.	3.8	147
16	Tantalum doped 0.94Bi0.5Na0.5TiO3â€“0.06BaTiO3 piezoelectric ceramics. Journal of the European Ceramic Society, 2008, 28, 871-877.	2.8	139
17	Achieving Remarkable Amplification of Energy-Storage Density in Two-Step Sintered NaNbO₃â€“SrTiO₃ Antiferroelectric Capacitors through Dual Adjustment of Local Heterogeneity and Grain Scale. ACS Applied Materials & Interfaces, 2020, 12, 19467-19475.	4.0	114
18	High piezoelectric activity in (Na,K)NbO3 based lead-free piezoelectric ceramics: Contribution of nanodomains. Applied Physics Letters, 2011, 99, .	1.5	106

#	Article	IF	Citations
19	Realizing Stable Relaxor Antiferroelectric and Superior Energy Storage Properties in (Na_{1-x/2}La_{<i>x</i>/2})(Nb_{1-x}Ti<i>_x</i>)O₃ Lead-Free Ceramics through A/B-Site Complex Substitution. ACS Applied Materials & Interfaces, 2020, 12, 32871-32879.	4.0	106
20	Local structure engineered lead-free ferroic dielectrics for superior energy-storage capacitors: A review. Energy Storage Materials, 2022, 45, 541-567.	9.5	102
21	Na0.5K0.5NbO3â€“BiFeO3 lead-free piezoelectric ceramics. Journal of Physics and Chemistry of Solids, 2008, 69, 230-235.	1.9	99
22	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.	2.0	98
23	Giant electrostrictive effects of NaNbO3-BaTiO3 lead-free relaxor ferroelectrics. Applied Physics Letters, 2016, 108, .	1.5	98
24	Anisotropic constitutive laws for sintering bodies. Acta Materialia, 2006, 54, 111-118.	3.8	96
25	Structureâ€Dependent Microwave Dielectric Properties and Middleâ€Temperature Sintering of Forsterite (Mg_{1â€“<i>x</i>}Ni_{<i>x</i>})₂SiO₄ Ceramics. Journal of the American Ceramic Society, 2015, 98, 702-710.	1.9	89
26	Dielectric and Piezoelectric Properties of Lead Free Na0.5K0.5NbO3â€“BiScO3Ceramics. Japanese Journal of Applied Physics, 2007, 46, 6733-6736.	0.8	88
27	Phase Transitional Behavior and Piezoelectric Properties of Leadâ€Free (Na_{0.5}K_{0.5})NbO₃â€“(Bi_{0.5}K_{0.5})TiO₃ Ceramics. Journal of the American Ceramic Society, 2007, 90, 2424-2428.	1.9	82
28	Phaseâ€Compositionâ€Dependent Piezoelectric and Electromechanical Strain Properties in (Bi_{1/2}Na_{1/2})TiO₃â€“Ba(Ni_{1/2}Nb_{1/2})O₃ Leadâ€Free Ceramics. Journal of the American Ceramic Society, 2015, 98, 811-818.	1.9	81
29	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.	2.8	80
30	Lead-free (Ba,Sr)TiO3 â€“ BiFeO3 based multilayer ceramic capacitors with high energy density. Journal of the European Ceramic Society, 2020, 40, 1779-1783.	2.8	79
31	Lowâ€Temperatureâ€Fired ReVO₄ (ReÂ=ÂLa, Ce) Microwave Dielectric Ceramics. Journal of the American Ceramic Society, 2015, 98, 1-4.	1.9	78
32	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.	3.8	78
33	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.	6.6	77
34	Twoâ€Step Sintering: An Approach to Broaden the Sintering Temperature Range of Alkaline Niobateâ€Based Leadâ€Free Piezoceramics. Journal of the American Ceramic Society, 2010, 93, 3552-3555.	1.9	75
35	Polymorphic phase transition and enhanced piezoelectric properties of LiTaO₃-modified (Na_{0.52}K_{0.48}) (Nb_{0.93}Sb_{0.07})O₃lead-free ceramics. Journal Physics D: Applied Physics, 2009, 42, 012006.	1.3	73
36	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.	1.9	72

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37	Phase transition and electrical properties of lead free (Na0.5K0.5)NbO3â€"BiAlO3 ceramics. Journal of Alloys and Compounds, 2009, 476, 836-839.	2.8	72
38	NaNbO3-CaTiO3 lead-free relaxor antiferroelectric ceramics featuring giant energy density, high energy efficiency and power density. Chemical Engineering Journal, 2022, 429, 132534.	6.6	69
39	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, .	1.5	60
40	A novel low-temperature firable La2Zr3(MoO4)9 microwave dielectric ceramic. Journal of the European Ceramic Society, 2018, 38, 339-342.	2.8	60
41	Liquidâ€phase sintering, microstructural evolution, and microwave dielectric properties of Li₂Mg₃SnO₆â€"LiF ceramics. Journal of the American Ceramic Society, 2018, 101, 569-576.	1.9	53
42	Ultrahigh Energy-Storage Performances in Lead-free Na_{0.5}Bi_{0.5}TiO₃-Based Relaxor Antiferroelectric Ceramics through a Synergistic Design Strategy. ACS Applied Materials & Interfaces, 2022, 14, 22263-22269.	4.0	53
43	An environmentally-benign NaNbO₃ based perovskite antiferroelectric alternative to traditional lead-based counterparts. Journal of Materials Chemistry C, 2019, 7, 15153-15161.	2.7	52
44	Synthesis and photocatalytic activity of electrospun niobium oxide nanofibers. Materials Research Bulletin, 2013, 48, 1213-1217.	2.7	50
45	Effect of Li2Oâ€"V2O5 addition on the sintering behavior and microwave dielectric properties of Li3(Mg1â^'xZnx)2NbO6 ceramics. Ceramics International, 2014, 40, 15677-15684.	2.3	50
46	Supercritical Relaxor Nanograined Ferroelectrics for Ultrahighâ€Energyâ€Storage Capacitors. Advanced Materials, 2022, 34, .	11.1	50
47	Large strains accompanying field-induced ergodic phase-polar ordered phase transformations in Bi(Mg0.5Ti0.5)O3â€"PbTiO3â€"(Bi0.5Na0.5)TiO3 ternary system. Journal of the European Ceramic Society, 2014, 34, 2299-2309.	2.8	49
48	A Novel BiFeO₃â€"BaTiO₃â€"BaZrO₃ Leadâ€Free Relaxor Ferroelectric Ceramic with Lowâ€Hysteresis and Frequencyâ€Insensitive Large Strains. Journal of the American Ceramic Society, 2015, 98, 3670-3672.	1.9	49
49	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.	3.8	49
50	Giant electrostrictive strain in (Bi_{0.5}Na_{0.5})TiO₃â€"NaNbO₃ lead-free relaxor antiferroelectrics featuring temperature and frequency stability. Journal of Materials Chemistry A, 2020, 8, 2369-2375.	5.2	47
51	Critical Evaluation of Hot Forging Experiments: Case Study in Alumina. Journal of the American Ceramic Society, 2003, 86, 1099-1105.	1.9	46
52	Dielectric Relaxor Evolution and Frequencyâ€Insensitive Giant Strains in (<scp><scp>Bi</scp></scp>_{0.5}<scp><scp>Na</scp></scp>_{0.5})<scp><scp>TiO</scp></scp>₃â€ <scp><scp>Bi</scp></scp>(<scp><scp>Mg</scp></scp>_{0.5}<scp><scp>Ti</scp></scp>_{0.5})<scp><scp>O</sc Ferroelectric Ceramics. Journal of the American Ceramic Society, 2014, 97, 1855-1860.	1.9	46
53	Direct and indirect characterization of electrocaloric effect in (Na,K)NbO3 based lead-free ceramics. Applied Physics Letters, 2016, 109, .	1.5	46
54	A novel Li2TiO3â€"Li2CeO3 ceramic composite with excellent microwave dielectric properties for low-temperature cofired ceramic applications. Journal of the European Ceramic Society, 2018, 38, 119-123.	2.8	46

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55	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.	2.8	45
56	Structure, Microwave Dielectric Properties, and Lowâ€Temperature Sintering of Acceptor/Donor Codoped Li₂Ti_{1âˆ’<i>x</i>}(Al_{0.5}Nb_{0.5})_{<i>x</i>}O₃ Ceramics. Journal of the American Ceramic Society, 2016, 99, 825-832.	1.9	44
57	Morphotropic NaNbO3-BaTiO3-CaZrO3 lead-free ceramics with temperature-insensitive piezoelectric properties. Applied Physics Letters, 2016, 109, .	1.5	44
58	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, .	1.1	43
59	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.	2.8	43
60	Thermally stable electrostrains of morphotropic 0.875NaNbO3-0.1BaTiO3-0.025CaZrO3 lead-free piezoelectric ceramics. Applied Physics Letters, 2017, 110, .	1.5	43
61	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.	2.8	43
62	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.	1.1	42
63	Low electric-field driven ultrahigh electrostrains in Sb-substituted (Na,K)NbO3 lead-free ferroelectric ceramics. Applied Physics Letters, 2014, 105, .	1.5	42
64	Viscous Poisson's coefficient determined by discontinuous hot forging. Journal of Materials Research, 2003, 18, 2170-2176.	1.2	41
65	Narrow sintering temperature window for (K, Na)NbO₃â€based leadâ€free piezoceramics caused by compositional segregation. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 791-794.	0.8	41
66	Synthesis and characterization of solâ€"gel derived (Ba,Ca)(Ti,Zr)O3 nanoparticles. Journal of Materials Science: Materials in Electronics, 2012, 23, 753-757.	1.1	41
67	Synthesis and characterization of (001) oriented BaTiO3 platelets through a topochemical conversion. Powder Technology, 2012, 217, 11-15.	2.1	40
68	Relationship of the structural phase transition and microwave dielectric properties in MgZrNb 2 O 8 â€"TiO 2 ceramics. Ceramics International, 2016, 42, 7681-7689.	2.3	40
69	Low temperature fired Ln2Zr3(MoO4)9 (LnËSm, Nd) microwave dielectric ceramics. Ceramics International, 2017, 43, 17229-17232.	2.3	40
70	Sintering, microstructure and piezoelectric properties of CuO and SnO2 co-modified sodium potassium niobate ceramics. Materials Research Bulletin, 2010, 45, 124-128.	2.7	39
71	A novel ultralow-loss Sr2CeO4 microwave dielectric ceramic and its property modification. Journal of the European Ceramic Society, 2019, 39, 1132-1136.	2.8	39
72	Controllable preparation of BiFeO3@carbon core/shell nanofibers with enhanced visible photocatalytic activity. Journal of Molecular Catalysis A, 2013, 376, 1-6.	4.8	38

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73	Temperature-insensitive large electrostrains and electric field induced intermediate phases in (0.7â^'x)Bi(Mg1/2Ti1/2)O3â€"xPb(Mg1/3Nb2/3)O3â€"0.3PbTiO3 ceramics. Journal of the European Ceramic Society, 2014, 34, 4235-4245.	2.8	38
74	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.	2.8	38
75	PMN?PT Ceramics Prepared By Spark Plasma Sintering. Journal of the American Ceramic Society, 2007, 90, 1101-1106.	1.9	36
76	Effect of Ordering on the Microwave Dielectric Properties of Spinelâ€Structured (Zn_{1â^'<i>x</i>}(Li_{2/3}Ti_{1/3})_{<i>x</i>})₂TiO₄ Ceramics. Journal of the American Ceramic Society, 2016, 99, 3343-3349.	1.9	36
77	Normal to Relaxor Ferroelectric Transition and Domain Morphology Evolution in <scp>(K,Na)(Nb,Sb)O₃â€"LiTaO₃â€"BaZrO₃</scp> Leadâ€Free Ceramics. Journal of the American Ceramic Society, 2011, 94, 4352-4357.	1.9	35
78	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.	2.8	34
79	Low-loss and low-temperature firable Li2Mg3SnO6-Ba3(VO4)2 microwave dielectric ceramics for LTCC applications. Ceramics International, 2018, 44, 2606-2610.	2.3	34
80	Synthesis and photocatalytic performance of the electrospun Bi2Fe4O9 nanofibers. Journal of Materials Science, 2013, 48, 4143-4150.	1.7	32
81	Energy storage properties under moderate electric fields in BiFeO3-based lead-free relaxor ferroelectric ceramics. Chemical Engineering Journal, 2022, 440, 135789.	6.6	32
82	Effects of ball milling on microstructure and electrical properties of solâ€"gel derived (Bi0.5Na0.5)0.94Ba0.06TiO3 piezoelectric ceramics. Materials & Design, 2010, 31, 4403-4407.	5.1	31
83	Structures and piezoelectric properties of (NaKLi)1â^'x(BiNaBa)xNb1â^'xTixO3 lead-free ceramics. Applied Physics Letters, 2007, 91, .	1.5	29
84	Temperature driven nano-domain evolution in lead-free Ba(Zr0.2Ti0.8)O3-50(Ba0.7Ca0.3)TiO3 piezoceramics. Applied Physics Letters, 2014, 105, .	1.5	29
85	Structure and piezoelectric properties of lead-free (Na0.52K0.44â^'x)(Nb0.95â^'x Sb0.05)O3-xLiTaO3 ceramics. Journal of Materials Science: Materials in Electronics, 2010, 21, 241-245.	1.1	28
86	Lowâ€Temperature Sinterable (1â^'<i>x</i>)<scp><scp>Ba</scp></scp>₃(<scp><scp>VO</scp></scp>₄)₂â€"<i>x</i><scp><s Microwave Dielectric Ceramics. Journal of the American Ceramic Society, 2013, 96, 3862-3867.	1.9	28
87	Graphene nanocluster decorated niobium oxide nanofibers for visible light photocatalytic applications. Journal of Materials Chemistry A, 2014, 2, 8190.	5.2	27
88	Preparation and multiferroic properties of 2-2 type CoFe2O4/Pb(Zr,Ti)O3 composite films with different structures. Ceramics International, 2014, 40, 9249-9256.	2.3	27
89	Preparation and microwave dielectric properties of Li 3 (Mg 0.92 Zn 0.08) 2 NbO 6 â€"Ba 3 (VO 4) 2 composite ceramics for LTCC applications. Materials Research Bulletin, 2015, 68, 109-114.	2.7	27
90	Strain effects of temperature and electric field induced phase instability in (Na,K)(Nb,Sb)O 3 -LiTaO 3 lead-free ceramics. Journal of the European Ceramic Society, 2017, 37, 2309-2313.	2.8	27

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91	Ultrahigh Q values and atmosphere-controlled sintering of Li2(1+x)Mg3ZrO6 microwave dielectric ceramics. Ceramics International, 2017, 43, 2246-2251.	2.3	27
92	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.	1.5	26
93	Morphotropic phase boundary and electrical properties of lead-free (K0.5Bi0.5)TiO3â€"Bi(Ni0.5Ti0.5)O3 relaxor ferroelectric ceramics. Ceramics International, 2013, 39, 9121-9124.	2.3	26
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.	2.8	26
95	Structure and microwave dielectric properties of Ba3(VO4)2â€"Zn2â^'xSiO4â^'x ceramic composites. Materials Research Bulletin, 2013, 48, 2011-2017.	2.7	25
96	Evolving antiferroelectric stability and phase transition behavior in NaNbO3-BaZrO3-CaZrO3 lead-free ceramics. Journal of the European Ceramic Society, 2019, 39, 2318-2324.	2.8	25
97	Phase transition characteristics and piezoelectric properties of compositionally optimized alkaline niobate based ceramics. Journal of Alloys and Compounds, 2009, 486, 790-794.	2.8	24
98	Solâ€"gel derived (Li, Ta, Sb) modified sodium potassium niobate ceramics: Processing and piezoelectric properties. Journal of Alloys and Compounds, 2011, 509, 936-941.	2.8	24
99	Effects of Additives on the Interfacial Microstructure of Cofired Electrodeâ€Ceramic Multilayer Systems. Journal of the American Ceramic Society, 2002, 85, 787-793.	1.9	23
100	Processing and Piezoelectric Properties of (Na0.5K0.5)0.96Li0.04(Ta0.1Nb0.9)1â^'xCuxO3â^'3x/2Lead-Free Ceramics. Journal of the American Ceramic Society, 2008, 91, 914-917.	1.9	23
101	Preparation and characterization of solâ€"gel derived (Li,Ta,Sb) modified (K,Na)NbO3 lead-free ferroelectric thin films. Materials Chemistry and Physics, 2011, 130, 165-169.	2.0	23
102	A novel self-composite property-tunable LaTiNbO 6 microwave dielectric ceramic. Materials Research Bulletin, 2016, 83, 568-572.	2.7	23
103	Achieving stable relaxor antiferroelectric P phase in NaNbO3-based lead-free ceramics for energy-storage applications. Journal of Materiomics, 2022, 8, 618-626.	2.8	23
104	X-ray analysis of phase coexistence and electric poling processing in alkaline niobate-based compositions. Journal of Alloys and Compounds, 2010, 493, 197-201.	2.8	22
105	Electric field induced monoclinic phase in (Na0.52K0.48)(Nb1â^'ySby)O3 ceramics close to the rhombohedral-orthorhombic polymorphic phase boundary. Applied Physics Letters, 2013, 103, .	1.5	22
106	Low-temperature fired thermal-stable Li2TiO3â€"NiO microwave dielectric ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 7962-7968.	1.1	22
107	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, .	1.5	22
108	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.	2.8	22

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109	Structural evidence for the polymorphic phase boundary in (Na,K)NbO3 based perovskites close to the rhombohedral-tetragonal phase coexistence zone. Acta Materialia, 2020, 195, 571-578.	3.8	21
110	Shrinkageâ€Free Sintering of Lowâ€Temperature Cofired Ceramics by Loading Dilatometry. Journal of the American Ceramic Society, 2004, 87, 526-528.	1.9	20
111	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.	2.8	20
112	Phase transition behavior and electrical properties of lead-free (Bi0.5K0.5)TiO3â€“LiNbO3 relaxor ferroelectric ceramics. Ceramics International, 2013, 39, 725-730.	2.3	20
113	Temperature-stable and high Q composite ceramics in low-temperature sinterable BaOâ€“V2O5 binary system. Journal of Alloys and Compounds, 2015, 622, 362-368.	2.8	20
114	Phase structural transition and microwave dielectric properties in isovalently substituted La1â^'xLnxTiNbO6 (Ln=Ce, Sm) ceramics. Ceramics International, 2017, 43, 7065-7072.	2.3	20
115	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.	2.8	20
116	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.	2.8	20
117	Microwave dielectric properties and low temperature sintering of the ZnOâ€“V2O5 doped Ba3Ti2(Mg1/3Nb2/3)2Nb4O21 ceramics. Ceramics International, 2013, 39, 5675-5679.	2.3	19
118	Synthesis and microwave dielectric properties of Li2Mg2(WO4)3 ceramics. Materials Letters, 2015, 158, 92-94.	1.3	19
119	Phase evolution and microwave dielectric properties of Li 4 Ti 5(1+x) O 12 ceramics. Materials Letters, 2016, 164, 353-355.	1.3	19
120	A novel temperature-stable Ba2-xCaxMgTi5O13 microwave dielectric ceramic. Journal of the European Ceramic Society, 2020, 40, 376-380.	2.8	19
121	Middle-low temperature sintering and piezoelectric properties of CuO and Bi2O3 doped PMS-PZT based ceramics for ultrasonic motors. Ceramics International, 2021, 47, 20117-20125.	2.3	19
122	Two-step sintering and electrical properties of solâ€“gel derived 0.94(Bi0.5Na0.5)TiO3â€“0.06BaTiO3 lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2011, 22, 1841-1847.	1.1	18
123	A new Li-based ceramic of Li4MgSn2O7: Synthesis, phase evolution and microwave dielectric properties. Journal of the European Ceramic Society, 2018, 38, 5442-5447.	2.8	17
124	Design of pâ€type NKNâ€based piezoelectric ceramics sintered in low oxygen partial pressure by defect engineering. Journal of the American Ceramic Society, 2020, 103, 3667-3675.	1.9	17
125	MXene nanohybrids: Excellent electromagnetic properties for absorbing electromagnetic waves. Ceramics International, 2022, 48, 1484-1493.	2.3	17
126	Title is missing!. Journal of Materials Science, 2000, 35, 5433-5436.	1.7	16

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127	Uniaxial viscosity of low-temperature cofired ceramic (LTCC) powder compacts determined by loading dilatometry. Journal of the European Ceramic Society, 2005, 25, 417-424.	2.8	16
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129	X9R-type Ag1-3Bi NbO3 based lead-free dielectric ceramic capacitors with excellent energy-storage properties. Ceramics International, 2022, 48, 2533-2537.	2.3	16
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