

Chang-Lai Yuan

List of Publications by Year in descending order

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1235
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#	ARTICLE	IF	CITATIONS
1	Ultrahigh Energy Storage Density and Efficiency in Bi _{0.5} Na _{0.5} TiO ₃ -Based Ceramics via the Domain and Bandgap Engineering. ACS Applied Materials & Interfaces, 2021, 13, 51218-51229.	8.0	83
2	Effect of Ca ²⁺ /Hf ⁴⁺ modification at A/B sites on energy-storage density of Bi _{0.47} Na _{0.47} Ba _{0.06} TiO ₃ ceramics. Chemical Engineering Journal, 2021, 420, 129861.	12.7	81
3	High energy storage property and breakdown strength of Bi _{0.5} (Na _{0.82} K _{0.18}) _{0.5} TiO ₃ ceramics modified by (Al _{0.5} Nb _{0.5}) ₄₊ complex-ion. Journal of Alloys and Compounds, 2016, 666, 209-216.	5.5	75
4	Significantly enhanced energy-storage properties of Bi _{0.47} Na _{0.47} Ba _{0.06} TiO ₃ -CaHfO ₃ ceramics by introducing Sr _{0.7} Bi _{0.2} TiO ₃ for pulse capacitor application. Chemical Engineering Journal, 2022, 429, 132165.	12.7	62
5	Ferroelectric-quasiferroelectric-ergodic relaxor transition and multifunctional electrical properties in Bi _{0.5} Na _{0.5} TiO ₃ -based ceramics. Journal of the American Ceramic Society, 2018, 101, 1554-1565.	3.8	51
6	Dielectric and piezoelectric properties of Y ₂ O ₃ doped (Bi _{0.5} Na _{0.5}) _{0.94} Ba _{0.06} TiO ₃ lead-free piezoelectric ceramics. Materials Research Bulletin, 2009, 44, 724-727.	5.2	41
7	Silver Co-firable Li ₂ ZnTi ₃ O ₈ Microwave Dielectric Ceramics with LZB Glass Additive and TiO ₂ Dopant. International Journal of Applied Ceramic Technology, 2013, 10, 492-501.	2.1	40
8	Energy storage properties and electrical behavior of lead-free (1-x)Ba _{0.04} Bi _{0.48} Na _{0.48} TiO ₃ -xSrZrO ₃ ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 3948-3956.	2.2	40
9	Lead-free (Ba _{0.85} Ca _{0.15})(Ti _{0.9} Zr _{0.1})O ₃ -Y ₂ O ₃ ceramics with large piezoelectric coefficient obtained by low-temperature sintering. Journal of Materials Science: Materials in Electronics, 2013, 24, 654-657.	2.2	37
10	Ergodic Relaxor State with High Energy Storage Performance Induced by Doping Sr _{0.85} Bi _{0.1} TiO ₃ in Bi _{0.5} Na _{0.5} TiO ₃ Ceramics. Journal of Electronic Materials, 2016, 45, 5146-5151.	2.2	37
11	Microwave Dielectric Properties of Ca ₄ La ₂ Ti ₅ (Mg _{1/3}) ₃ Ceramics. Journal of the American Ceramic Society, 2012, 95, 1394-1397.	2.1	36
12	Tailoring antiferroelectricity with high energy-storage properties in Bi _{0.5} Na _{0.5} TiO ₃ -BaTiO ₃ ceramics by modulating Bi/Na ratio. Journal of Materials Science: Materials in Electronics, 2016, 27, 10810-10815.	2.2	34
13	Structural, ferroelectric and piezoelectric properties of Mn-modified BiFeO ₃ -BaTiO ₃ high-temperature ceramics. Journal of Materials Science: Materials in Electronics, 2013, 24, 3952-3957.	2.2	32
14	Microstructures and microwave dielectric properties of (1-x)(Sr _{0.4} Na _{0.3} La _{0.3})TiO ₃ -xLnAlO ₃ (Ln=Sm,) Tj ETQq0,0 0 rgBT /Overlock	9.7	30
15	Photocurrent density and electrical properties of Bi _{0.5} Na _{0.5} TiO ₃ -BaNi _{0.5} Nb _{0.5} O ₃ ceramics. Journal of Advanced Ceramics, 2021, 10, 1119-1128.	17.4	30
16	Sintering temperature dependence of varistor properties and impedance spectroscopy behavior in ZnO based varistor ceramics. Journal of Materials Science: Materials in Electronics, 2015, 26, 2389-2396.	2.2	28
17	Normal-to-relaxor ferroelectric phase transition and electrical properties in Nb-modified 0.72BiFeO ₃ -0.28BaTiO ₃ ceramics. Journal of Electroceramics, 2016, 36, 1-7.	2.0	28
18	Microstructure and electrical properties of Bi _{0.5} Na _{0.5} TiO ₃ -Bi _{0.5} K _{0.5} TiO ₃ -LiNbO ₃ lead-free piezoelectric ceramics. Journal of Physics and Chemistry of Solids, 2009, 70, 541-545.	4.0	27

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19	Electrical properties of Sr ²⁺ Bi ³⁺ Mn ²⁺ Fe ³⁺ O thick-film NTC thermistors prepared by screen printing. <i>Sensors and Actuators A: Physical</i> , 2011, 167, 291-296.	4.1	27
20	Low-temperature firing and microwave dielectric properties of LBS glass-added Li ₂ ZnTi ₃ O ₈ ceramics with TiO ₂ . <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 1722-1727.	2.2	27
21	Origin of high piezoelectric activity in perovskite ferroelectric ceramics. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	27
22	Dual relaxation behaviors and large electrostrictive properties of Bi _{0.5} Na _{0.5} TiO ₃ â€“Sr _{0.85} Bi _{0.1} TiO ₃ ceramics. <i>Journal of Materials Science</i> , 2018, 53, 8844-8854.	3.7	27
23	Photocurrent and dielectric/ferroelectric properties of KNbO ₃ â€“BaFeO ₃ -Î´ ferroelectric semiconductors. <i>Ceramics International</i> , 2020, 46, 14567-14572.	4.8	26
24	Synthesis, microstructure and characterization of ultra-low permittivity CuOâ€“ZnOâ€“B ₂ O ₃ â€“Li ₂ O glass/Al ₂ O ₃ composites for ULTCC application. <i>Ceramics International</i> , 2019, 45, 24431-24436.	4.8	25
25	Complex impedance spectroscopy of perovskite microwave dielectric ceramics with high dielectric constant. <i>Journal of the American Ceramic Society</i> , 2019, 102, 1852-1865.	3.8	23
26	Low temperature sintering and microwave dielectric properties of 0.2Ca _{0.8} Sr _{0.2} TiO ₃ â€“0.8Li _{0.5} Sm _{0.5} TiO ₃ ceramics with BaCu (B ₂ O ₅) additive and TiO ₂ dopant. <i>Materials Research Bulletin</i> , 2015, 61, 245-251.	5.2	22
27	High energy storage efficiency and high electrostrictive coefficients in BNTâ€“BSâ€“xBT ferroelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 5546-5553.	2.2	22
28	Optical and electrical properties of ferroelectric Bi _{0.5} Na _{0.5} TiO ₃ -NiTiO ₃ semiconductor ceramics. <i>Materials Science in Semiconductor Processing</i> , 2020, 115, 105089.	4.0	21
29	Realising high comprehensive energy storage performance of BaTiO ₃ -based perovskite ceramics via La(Zn _{1/2} Hf _{1/2})O ₃ modification. <i>Ceramics International</i> , 2022, 48, 16173-16182.	4.8	21
30	Effects of Bi ³⁺ substitution for Nd ³⁺ on microwave dielectric properties of Ca _{0.61} (Nd ¹⁺ Bi ¹⁺) _{0.26} TiO ₃ ceramics. <i>Materials Letters</i> , 2015, 159, 436-438.	2.6	19
31	Effects of P ₂ O ₅ on crystallization, sinterability and microwave dielectric properties of MgO-Al ₂ O ₃ -SiO ₂ -TiO ₂ glass-ceramics. <i>Journal of Non-Crystalline Solids</i> , 2017, 459, 123-129.	3.1	19
32	Sintering behavior, phase evolutions and microwave dielectric properties of LaGaO ₃ -SrTiO ₃ ceramics modified by CeO ₂ additives. <i>Ceramics International</i> , 2018, 44, 6601-6606.	4.8	19
33	Structure and microwave dielectric characteristics of lithium-excess Ca _{0.6} Nd _{0.8/3} TiO ₃ /(Li _{0.5} Nd _{0.5})TiO ₃ ceramics. <i>Materials Research Bulletin</i> , 2013, 48, 4924-4929.	5.2	18
34	Enhanced Visible Photocatalytic Hydrogen Evolution of KN-Based Semiconducting Ferroelectrics via Band-Gap Engineering and High-Field Poling. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 8916-8930.	8.0	18
35	Visible-light photocatalytic hydrogen production in a narrow-bandgap semiconducting La/Ni-modified KNbO ₃ ferroelectric and further enhancement via high-field poling. <i>Journal of Materials Chemistry A</i> , 2022, 10, 7238-7250.	10.3	18
36	Crystallization behavior, densification and microwave dielectric properties of MgO-Al ₂ O ₃ -SiO ₂ -TiO ₂ system glass-ceramics containing V ₂ O ₅ . <i>Journal of Non-Crystalline Solids</i> , 2018, 481, 329-334.	3.1	17

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37	Effects of CuO doping on the structure and properties lead-free KNN-LS piezoelectric ceramics. Journal of Materials Science: Materials in Electronics, 2013, 24, 2469-2472.	2.2	16
38	Crystal structure and dielectric properties of $(1-x)SrTiO_3 - xCa_{0.4}Sm_{0.4}TiO_3$ ceramic system at microwave frequencies. Materials Chemistry and Physics, 2014, 148, 1083-1088.	4.0	16
39	Microstructures and microwave dielectric properties of $(Ba_{1-x}Sr_x)_4(Sm_{0.4}Nd_{0.6})_{28/3}Ti_{18}O_{54}$ solid solutions. Journal of Advanced Ceramics, 2017, 6, 50-58.	17.4	16
40	Microstructures and energy storage properties of Mn-doped $0.97Bi_{0.47}Na_{0.47}Ba_{0.06}TiO_3 \cdot 0.03K_{0.5}Na_{0.5}NbO_3$ lead-free antiferroelectric ceramics. Journal of Materials Science: Materials in Electronics, 2015, 26, 8793-8797.	2.2	15
41	Temperature stability of sodium-doped $BiFeO_3 \cdot BaTiO_3$ piezoelectric ceramics. Journal of Materials Science: Materials in Electronics, 2015, 26, 9336-9341.	2.2	15
42	Effect of poling on polarization alignment, dielectric behavior, and piezoelectricity development in polycrystalline $BiFeO_3 \cdot BaTiO_3$ ceramics. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 52-59.	1.8	15
43	Excellent optical, dielectric, and ferroelectric properties of $Sr(In_{0.5}Nb_{0.5})O_3$ modified $K_{0.5}Na_{0.5}NbO_3$ lead-free transparent ceramics. Journal of Materials Science: Materials in Electronics, 2018, 29, 19123-19129.	2.2	15
44	Relaxor ferroelectric $Bi_{0.5}Na_{0.5}TiO_3 \cdot Sr_{0.7}Nd_{0.2}TiO_3$ ceramics with high energy storage density and excellent stability under a low electric field. Journal of Physics and Chemistry of Solids, 2021, 157, 110209.	4.0	15
45	Giant strain with ultra-low hysteresis by tailoring relaxor temperature and PNRs dynamic in BNT-based lead-free piezoelectric ceramics. Ceramics International, 2022, 48, 13125-13133.	4.8	15
46	Achieving Ultrahigh Photocurrent Density of Mg/Mn-Modified $KNbO_3$ Ferroelectric Semiconductors by Bandgap Engineering and Polarization Maintenance. Chemistry of Materials, 2022, 34, 4274-4285.	6.7	15
47	Effects of structural characteristics on microwave dielectric properties of $(Sr_{0.2}Ca_{0.488}Nd_{0.208})Ti_{1-x}Ga_{4x/3}O_3$ ceramics. Materials Research Bulletin, 2015, 70, 678-683.	5.2	14
48	Microstructures and dielectric properties of $(1-x)SrTiO_3 \cdot xCa_{0.61}Nd_{0.26}TiO_3$ ceramic system at microwave frequencies. Journal of Materials Science: Materials in Electronics, 2015, 26, 128-133.	2.2	13
49	Preparation and dielectric properties of $BaTiO_3$ -based X8R ceramics co-doped with BIT and CBS glass. Journal of Materials Science: Materials in Electronics, 2013, 24, 196-202.	2.2	12
50	Electrical microstructures of $CaTiO_3$ - $Bi_{0.5}Na_{0.5}TiO_3$ microwave ceramics with high permittivity ($\epsilon_{\mu max}$) T_j $ETQq0$ 0.0 $rgBT$ /Overlock 10	3.5	12
51	Aqueous synthesis of composition-tuned defects in $CuInSe_2$ nanocrystals for enhanced visible-light photocatalytic H_2 evolution. Nanoscale Advances, 2021, 3, 2334-2342.	4.6	12
52	High photocurrent densities in $Bi_{0.5}Na_{0.5}TiO_3$ ferroelectric semiconductors. Materials Letters, 2021, 287, 129299.	2.6	12
53	Negative temperature coefficient thermistor based on $BaFe_xSn_{1-x}O_3 \cdot \mu$ solid solutions. Journal of Materials Science, 2010, 45, 2681-2687.	3.7	11
54	Dielectric and piezoelectric properties of $YMnO_3$ modified $Bi_{0.5}Na_{0.5}TiO_3$ lead-free piezoelectric ceramics. Journal of Materials Science: Materials in Electronics, 2010, 21, 364-367.	2.2	11

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55	A new BiVO ₄ /Li _{0.5} Sm _{0.5} WO ₄ ultra-low firing high-k microwave dielectric ceramic. Journal of Materials Science, 2015, 50, 1295-1299.	3.7	11
56	X-ray Diffraction, Dielectric, and Raman Spectroscopy Studies of SrTiO ₃ -Based Microwave Ceramics. Journal of Electronic Materials, 2016, 45, 715-721.	2.2	11
57	New dielectric material systems of Sr _x Nd _{2(1-x)} /3TiO ₃ perovskites-like at microwave frequencies. Materials Chemistry and Physics, 2016, 173, 309-316.	4.0	11
58	Energy transfer, optical and luminescent properties in Tm ³⁺ /Tb ³⁺ /Sm ³⁺ tri-doped borate glasses. Journal of Materials Science: Materials in Electronics, 2017, 28, 553-558.	2.2	11
59	The nonlinear electrical behavior of ZnO-based varistor ceramics with CaSiO ₃ addition. Journal of Materials Science, 2014, 49, 758-765.	3.7	10
60	Microstructures and energy-storage properties of (1-x)(Na _{0.5} Bi _{0.5})TiO ₃ -xBaTiO ₃ with BaO-B ₂ O ₃ -SiO ₂ additions. Journal of Materials Science: Materials in Electronics, 2015, 26, 5113-5119.	2.2	10
61	Microstructures, electrical behavior and energy-storage properties of Ba _{0.06} Na _{0.47} Bi _{0.47} TiO ₃ -Ln _{1/3} NbO ₃ (Ln=La, Nd, Sm) ceramics. Materials Chemistry and Physics, 2016, 181, 444-451.	4.0	10
62	Effects of two-step heat treatment on crystallization behavior, densification and microwave dielectric properties of MgO-Al ₂ O ₃ -SiO ₂ -TiO ₂ -Sb ₂ O ₃ glass-ceramics. Journal of Non-Crystalline Solids, 2017, 471, 400-405.	3.1	10
63	Microwave dielectric properties of Bi(Sc _{1/3} Mo _{2/3})O ₄ ceramics for LTCC applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 1817-1822.	2.2	10
64	Impedance Spectroscopy and Photovoltaic Effect of Oxygen Defect Engineering on KNbO ₃ Ferroelectric Semiconductors. Journal of Electronic Materials, 2020, 49, 6165-6174.	2.2	10
65	Crystal structures and electrical properties of Sr/Fe-modified KNbO ₃ ferroelectric semiconductors with narrow bandgap. Journal of the American Ceramic Society, 2021, 104, 2181-2190.	3.8	10
66	Electrical properties of thick film NTC thermistors based on SrFe _{0.9} Sn _{0.1} O ₃ . Solid State Sciences, 2010, 12, 2113-2119.	3.2	9
67	Low loss and middle permittivity of (1-x)Ca ₄ La ₂ Ti ₅ O ₁₇ -xNdAlO ₃ dielectric resonators with near-zero temperature coefficient of the resonant frequency. Journal of Materials Science, 2012, 47, 2271-2277.	3.7	9
68	Effect of sintering temperature on microstructure and piezoelectric properties of Pb-free BiFeO ₃ -BaTiO ₃ ceramics in the composition range of large BiFeO ₃ concentrations. Journal of Electroceramics, 2013, 31, 15-20.	2.0	9
69	Effect of Sm ₂ O ₃ dopant on microstructure and electrical properties of ZnO-based varistor ceramics. Journal of Materials Science: Materials in Electronics, 2013, 24, 3675-3679.	2.2	9
70	Semiconducting tailoring and electrical properties of A-site Co substituted Bi _{0.5} Na _{0.5} TiO ₃ -ferroelectric ceramics. Materials Chemistry and Physics, 2021, 260, 124100.	4.0	9
71	A novel perovskite ferroelectric KNbO ₃ -Bi(Ni _{1/2} Ti _{1/2})O ₃ nanofibers for photocatalytic hydrogen production. Applied Surface Science, 2022, 572, 151359.	6.1	9
72	Bandgap engineering and enhancing photovoltaic effect in Bi _{0.5} Na _{0.5} TiO ₃ -based ferroelectric ceramics. Materials Science in Semiconductor Processing, 2022, 145, 106640.	4.0	9

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73	Effects of Co doping on microstructure and properties of $(K_{0.5}Na_{0.5})NbO_3 \cdot LiSbO_3 \cdot BiFe(1-x)Co_xO_3$ lead-free piezoelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 1480-1484.	2.2	8
74	Effects of V_2O_5 doping on the structure and properties lead-free $KNN \cdot LS \cdot BF$ piezoelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 687-691.	2.2	8
75	Crystal structure and dielectric properties of a new $Na_2O-Nd_2O_3-CeO_2$ ceramic system at microwave frequencies. <i>Materials Research Bulletin</i> , 2018, 98, 8-14.	5.2	8
76	Effect of structures and substrate temperatures on $BaZn_{0.06}Bi_{0.94}O_3$ - perovskite-based NTC thermistor thin films. <i>Materials Science in Semiconductor Processing</i> , 2019, 91, 239-245.	4.0	8
77	Photo-dielectric response enhancement and switching behavior of $(1-x)(K_{0.5}Na_{0.5})NbO_3 \cdot xCa(Ni_{0.5}Nb_{0.5})O_3$ ceramics by semiconductor method. <i>Journal of Alloys and Compounds</i> , 2021, 881, 160512.	5.5	8
78	Effects of Bi doping on dielectric and ferroelectric properties of PLBZT ferroelectric thin films synthesized by sol-gel processing. <i>Bulletin of Materials Science</i> , 2013, 36, 389-393.	1.7	7
79	Lead-free $(Li, Na, K)(Nb, Sb)O_3$ piezoelectric ceramics: effect of $Bi(Ni_{0.5}Ti_{0.5})O_3$ modification and sintering temperature on microstructure and electrical properties. <i>Journal of Materials Science</i> , 2013, 48, 2997-3002.	3.7	7
80	Microstructures and Microwave Dielectric Properties of Low-Temperature Fired $Ca_{0.8}Sr_{0.2}TiO_3-Li_{0.5}Sm_{0.5}TiO_3$ Ceramics with $Bi_2O_3-2B_2O_3$ Addition. <i>Journal of Electronic Materials</i> , 2015, 44, 263-270.	2.2	7
81	Microstructures and microwave dielectric properties of $Mg_{+1}TiO_{3+1}$ ceramics with ultralow dielectric loss. <i>Materials Letters</i> , 2016, 185, 432-435.	2.6	7
82	Microstructures and microwave dielectric properties of $xLi_{1/2}Ln_{1/2}TiO_3 \cdot (1-x)Na_{1/2}Bi_{1/2}TiO_3$ ($Ln=Sm$ and Nd) ceramic systems. <i>Journal of Alloys and Compounds</i> , 2017, 698, 329-335.	5.5	7
83	Comparative studies on structure, dielectric, strain and energy storage properties of $(Bi_{0.5}Na_{0.5})_{0.94}Ba_{0.06}Ti_{0.965}(Mg_{1/3}Nb_{2/3})_{0.035}O_3$ lead-free ceramics prepared by traditional and two-step sintering method. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 5349-5355.	2.2	7
84	Effect of substrate temperatures on $BaCo_{0.1}Bi_{0.9}O_3$ NTC thermistor thin films. <i>Materials Science in Semiconductor Processing</i> , 2018, 80, 118-122.	4.0	7
85	Dielectric and energy storage properties of $Bi_{2/3}O_{3/2} \cdot B_{2/3}O_{3/2} \cdot SiO_2$ doped $Ba_{0.85}Ca_{0.15}Zr_{0.1}Ti_{0.9}O_3$ lead-free glass-ceramics. <i>Royal Society Open Science</i> , 2020, 7, 191822.	2.4	7
86	Microstructure and Electrical Properties of $K_{0.5}Na_{0.5}NbO_3-LiSbO_3-BiFeO_3-x\%molZnO$ Lead-Free Piezoelectric Ceramics. <i>Journal of Electronic Materials</i> , 2014, 43, 506-511.	2.2	6
87	Microstructures and microwave dielectric properties of $(1-x)Sr_{0.2}Na_{0.4}Sm_{0.4}TiO_3 \cdot xLnAlO_3$ ($Ln=Nd$). <i>TJ ETQq1 1 0.784314</i>	2.2	6
88	Enhanced energy storage properties of $Bi_{0.5}Li_{0.5}TiO_3$ modified $Sr_{0.1}Bi_{0.45}Na_{0.45}TiO_3$ based ceramics. <i>Journal of Advanced Ceramics</i> , 2016, 5, 219-224.	17.4	6
89	Effect of $NdAlO_3$ on microstructure, dielectric properties and temperature-stable mechanism of $(Sr, Tj ETQq1 1 0.784314$ rgBT / Over	2.2	6
90	High Piezoelectric Response in $(Li_{0.5}Sm_{0.5})_{2+}$ -Modified $0.93Bi_{0.5}Na_{0.5}TiO_3-0.07BaTiO_3$ Near the Nonergodic-Ergodic Relaxor-Transition. <i>Journal of Electronic Materials</i> , 2016, 45, 2967-2973.	2.2	6

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91	A new insight into structural complexity in ferroelectric ceramics. <i>Journal of Advanced Ceramics</i> , 2017, 6, 262-268.	17.4	6
92	The effect of artificial stress on structure, electrical and mechanical properties of Sr ²⁺ doped BNT-BT lead-free piezoceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 21398-21405.	2.2	6
93	Microwave dielectric properties of Ca ₄ La ₂ Ti ₅ O ₁₇ -LaAlO ₃ system ceramic materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 280-284.	2.2	5
94	Temperature Stability of V ₂ O ₅ -Doped KNN-LS-BF Lead-Free Piezoelectric Ceramics. <i>Journal of Electronic Materials</i> , 2013, 42, 2556-2559.	2.2	5
95	Electrical Properties of Sr _{1-x} B _x Fe _{0.6} Sn _{0.4} O ₃ Thermistor Ceramics. <i>International Journal of Applied Ceramic Technology</i> , 2015, 12, E235.		
96	Microwave dielectric properties of Na _{0.5} Sm _{0.5} TiO ₃ -based ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 3052-3059.	2.2	5
97	Microwave Dielectric Properties of Na ₅ RE(MoO ₄) ₄ (RE=La, Gd, Dy, Er) Ceramics with a Low Sintering Temperature. <i>Journal of Electronic Materials</i> , 2019, 48, 656-661.	2.2	5
98	Optical and electrical properties of ferroelectric Ba _{0.5} Bi _{0.5} Ag _{0.05} -Na _{0.45} Ti ₁ -Ni _{0.5} Nb _{0.5} O ₃ semiconductor ceramics. <i>Materials Letters</i> , 2020, 268, 127627.	2.6	5
99	Formation mechanism, dielectric properties, and energy-storage density in LiNbO ₃ -doped Na _{0.47} Bi _{0.47} Ba _{0.06} TiO ₃ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 13368-13375.	2.2	5
100	Effect of Excess Li ⁺ on Microwave Dielectric Properties of Ca _{0.16} Sr _{0.04} Li _{0.4} Nd _{0.4} TiO ₃ Ceramics. <i>International Journal of Applied Ceramic Technology</i> , 2015, 12, E55.	2.1	4
101	Correlation between dielectric loss, microstructures and phase structures in a novel Mg _{n+1} Ti _n O _{3n+1} microwave ceramic system. <i>Materials Chemistry and Physics</i> , 2017, 198, 35-41.	4.0	4
102	Effects of Bi ³⁺ substitution on microwave dielectric properties of (Ce ^{1-x} Bi ^x) _{0.2} Sr _{0.7} TiO ₃ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 9941-9949.	2.2	4
103	Effect of K:Ba ratio on energy storage properties of strontium barium potassium niobate-glass ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 19262-19269.	2.2	4
104	Dielectric behaviors and relaxor characteristics in Bi _{0.5} Na _{0.5} TiO ₃ -BaTiO ₃ ceramics. <i>Journal of Advanced Dielectrics</i> , 2019, 09, 1950038.	2.4	4
105	Study on phase structures and compositions, microstructures, and dielectric characteristics of (1-x)NdGaO ₃ -xBi _{0.5} Na _{0.5} TiO ₃ microwave ceramic systems. <i>Ceramics International</i> , 2020, 46, 16185-16195.	4.8	4
106	Nonergodic-ergodic relaxor transition and enhanced piezoelectric properties in B-site complex ions substitution 0.93Bi _{0.5} Na _{0.5} TiO ₃ -0.07BaTiO ₃ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 24308-24319.	2.2	4
107	Enhanced piezoelectric and ferroelectric properties of tetragonal BiFeO ₃ -BaTiO ₃ ceramics via tailoring sintering temperature and dwell time. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 24496-24506.	2.2	4
108	Enhanced energy storage density of antiferroelectric AgNbO ₃ -based ceramics by Bi/Ta modification at A/B sites. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 3081-3090.	2.2	4

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109	Effect of substitution of titanium by magnesium and niobium on structure and piezoelectric properties in (Bi _{1/2} Na _{1/2})TiO ₃ ceramics. <i>Bulletin of Materials Science</i> , 2009, 32, 99-102.	1.7	3
110	Effect of substitution of titanium by magnesium and niobium on structure and piezoelectric properties in (Bi _{1/2} Na _{1/2})TiO ₃ ceramics. <i>Bulletin of Materials Science</i> , 2011, 34, 1491-1494.	1.7	3
111	Effects of Sintering Temperature on Structure and Properties of 0.997(KNN-LS-BF)-0.003V ₂ O ₅ Lead-Free Piezoelectric Ceramics. <i>Journal of Electronic Materials</i> , 2013, 42, 458-462.	2.2	3
112	Luminescent characteristics of Tm ³⁺ /Tb ³⁺ /Eu ³⁺ tri-doped borophosphate glasses for LED applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 5592-5596.	2.2	3
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