Xiao-ming Chen

List of Publications by Year
in descending order

66 papers	1,146 citations	430874 18 h-index	434195 31 g-index
66 all docs	66 docs citations	66 times ranked	886 citing authors

#	Article	IF	Citations
1	Improved dielectric and ferroelectric properties of fine-grained K0.5Na0.5NbO3 ceramics via hot-press sintering. Ceramics International, 2022, 48, 11615-11622.	4.8	8
2	Comparative study on (Na0.47Bi0.47Ba0.06)0.95A0.05TiO3 (A = Sr2+/Ca2+) lead-free ceramics: Scaling behavior of ferroelectric hysteresis loop. Applied Physics Letters, 2022, 120, .	3.3	5
3	Magnetodielectric mechanism and application of magnetoelectric composites. Journal of Magnetism and Magnetic Materials, 2022, 550, 169099.	2.3	9
4	Improved ferroelectric and piezoelectric properties of (Na0.5K0.5)NbO₃ ceramics via sintering in low oxygen partial pressure atmosphere and adding LiF. Journal of Advanced Dielectrics, 2021, 11, 2150012.	2.4	7
5	The effects of indium doping on the electrical, magnetic, and magnetodielectric properties of M-type strontium hexaferrites. Journal of Magnetism and Magnetic Materials, 2021, 539, 168333.	2.3	14
6	Microwave absorbing properties of FeB/B4C nanowire composite. Ceramics International, 2020, 46, 4020-4023.	4.8	23
7	Electric and magnetic properties of some magnetodielectric composites at microwave frequency. Journal of Magnetism and Magnetic Materials, 2020, 501, 166410.	2.3	5
8	Temperature-stable dielectric and energy storage properties of (0.94Bi0.47Na0.47Ba0.06TiO3-0.06BiAlO3)â€“NaNbO3 ceramics. Journal of Alloys and Compounds, 2020, 847, 156409.	5.5	15
9	Dielectric and ferroelectric properties of (Bi0.5Na0.5)0.94-Î´Ba0.06Ti1âˆ’xNbxO3 lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 21467-21477.	2.2	2
10	Introducing an extremely high output power and high temperature piezoelectric bimorph energy harvester technology based on the ferroelectric system Bi(Me)O3-PbTiO3. Journal of Applied Physics, 2020, 128, .	2.5	8
11	Effect of BiAlO3 doping on dielectric and ferroelectric properties of (Bi0.5Na0.42K0.08)0.96Sr0.04Ti0.975Nb0.025O3 lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 17491-17501.	2.2	3
12	Dielectric and ferroelectric properties of (Bi0.5Na0.5)0.94Ba0.06Ti1âˆ’xAlxO3âˆ’Î´ lead-free ferroelectric ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 7927-7936.	2.2	5
13	Heterointerface engineering of lightweight, worm-like SiC/B₄C hybrid nanowires as excellent microwave absorbers. Journal of Materials Chemistry C, 2019, 7, 9892-9899.	5.5	21
14	Hot-press sintering K0.5Na0.5NbO3â€“0.5Âmol%Al2O3 ceramics with enhanced ferroelectric and piezoelectric properties. Journal of Materials Science, 2019, 54, 13457-13466.	3.7	15
15	Electrical and photoluminescence properties of (Bi0.5âˆ’x/0.94Erx/0.94Na0.5)0.94Ba0.06TiO3 lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 5233-5239.	2.2	5
16	Ferroelectric and dielectric properties of KF-added (K0.48Na0.52)NbO3lead-free ceramics. Physica B: Condensed Matter, 2019, 564, 28-32.	2.7	5
17	Microstructure, dielectric, piezoelectric, and ferroelectric properties of fine-grained 0.94Na0.5Bi0.5TiO3-0.06BaTiO3 ceramics. Journal of the European Ceramic Society, 2019, 39, 264-268.	5.7	14
18	Electrical Conduction of Ba(Ti0.99Fe0.01)O3âˆ’Î´ Ceramic at High Temperatures. Journal of Electronic Materials, 2018, 47, 3459-3467.	2.2	1

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19	Structure and electrical properties of Ca2+-doped (Na0.47Bi0.47Ba0.06)TiO3 lead-free piezoelectric ceramics. Ceramics International, 2018, 44, 11320-11330.	4.8	12
20	Comparative study on structure, dielectric, and piezoelectric properties of (Na0.47Bi0.47Ba0.06)0.95A0.05TiO3 (Aâ€¯=â€¯Ca2+/Sr2+) ceramics: Effect of radii of A-site cations. Journal of the European Ceramic Society, 2018, 38, 3111-3117.	5.7	33
21	Synthesis, microstructure, and electrical behavior of (Na0.5Bi0.5)0.94Ba0.06TiO3 piezoelectric ceramics via a citric acid solâ€“gel method. Journal of Materials Science, 2018, 53, 274-284.	3.7	21
22	Microstructure, dielectric, and energy storage properties of BaTiO3 ceramics prepared via cold sintering. Ceramics International, 2018, 44, 4436-4441.	4.8	94
23	The effects of magnetic field and polarization on the permeability and permittivity of (1) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 5 at high frequency. Journal Physics D: Applied Physics, 2018, 51, 055002.	2.8	8
24	Microstructure and electrical properties of K0.5Na0.5NbO3 lead-free piezoelectric ceramics sintered in low pO2 atmosphere. Journal of Materials Science: Materials in Electronics, 2018, 29, 19043-19051.	2.2	9
25	Structural, interfacial, magnetic and dielectric properties of (1âˆ'x)(Mg 0.95 Zn 0.05) 2 (Ti 0.8 Sn 0.2)O 4 @xNi 0.4 Zn 0.6 Fe 2 O 4 composite at high frequency. Ceramics International, 2017, 43, 5427-5433.	4.8	1
26	Structure and electrical behavior of unpoled and poled 0.97(Bi 0.5 Na 0.5) 0.94 Ba 0.06 TiO 3 -0.03BiAlO 3 ceramics. Materials Chemistry and Physics, 2017, 202, 197-203.	4.0	19
27	Microstructure, depolarization temperature, and piezoelectric properties of (Bi0.5Na0.4K0.1)Ti0.98M0.02O3-Î´ (M3+ = Al3+, Fe3+) lead-free ceramics. Ferroelectrics, 2017, 510, 161-169.	0.6	10
28	Comparative study on microstructure and electrical properties of (K0.5Na0.5)NbO3 lead-free ceramics prepared via two different sintering methods. Journal of Materials Science, 2017, 52, 2934-2943.	3.7	23
29	Microstructure and electrical properties of (1âˆ'x)[0.8Bi0.5Na0.5TiO3-0.2Bi0.5K0.5TiO3]-xBiCoO3 lead-free ceramics. Materials Chemistry and Physics, 2017, 186, 407-414.	4.0	26
30	Dielectric, ferroelectric, piezoelectric properties and impedance analysis of nonstoichiometric (Bi0.5Na0.5)0.94+xBa0.06TiO3 ceramics. Journal of the European Ceramic Society, 2016, 36, 3995-4001.	5.7	76
31	Microstructure and Electrical Properties of Nonstoichiometric 0.94(Na_{0.5}Bi_{0.5+<i>x</i>})TiO₃â€“0.06BaTiO₃ Leadâ€Free Ceramics. Journal of the American Ceramic Society, 2016, 99, 198-205.	3.8	94
32	First-principles study of the electronic structure of nonmetal-doped anatase TiO2. Journal of the Korean Physical Society, 2016, 68, 409-414.	0.7	8
33	Valence and electronic trap states of manganese in SrTiO₃-based colossal permittivity barrier layer capacitors. RSC Advances, 2016, 6, 92127-92133.	3.6	10
34	Dielectric diffusive behavior of (La x (Na 0.5 Bi 0.5) 1-1.5x) 0.97 Ba 0.03 TiO 3 lead-free ceramics. Physica B: Condensed Matter, 2016, 503, 7-10.	2.7	4
35	Microwave dielectric properties of low-fired Li2SnO3 ceramics co-doped with MgOâ€“LiF. Materials Research Bulletin, 2016, 77, 78-83.	5.2	24
36	Structure, dielectric and piezoelectric properties of (Pb0.945Bi0.027La0.01)(Nb0.95Ti0.0625)2O6 piezoelectric ceramics with high Curie temperature: effect of sintering atmospheres. Journal of Materials Science: Materials in Electronics, 2016, 27, 760-766.	2.2	5

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37	Dielectric and piezoelectric properties of (Pb_{0.985-x}Bi_{2x/3}La_{0.01})(Nb_{0.95}Ti_{0.0625})₂O<sub>6</su ceramics. Ferroelectrics, 2016, 493, 69-78.	2.6	2
38	Microwave dielectric properties of low-fired Li2MnO3 ceramics co-doped with LiFâ€“TiO2. Ceramics International, 2016, 42, 6005-6009.	4.8	15
39	New high Q low-fired Li 2 Mg 3 TiO 6 microwave dielectric ceramics with rock salt structure. Materials Letters, 2016, 164, 436-439.	2.6	71
40	Microstructure and Dielectric Properties of 0.92Na_{0.5}Bi_{0.5}TiO₃-0.06BaTiO₃-0.02K_{0.5}Na_{0.5}NbO<sub Ceramics Sintered in Oxygen and Nitrogen Atmospheres. Ferroelectrics, 2015, 488, 119-129.	0.6	3
41	Microstructure, dielectric and ferroelectric properties of 0.97[(Na0.5Bi0.5)1âˆ'1.5xLax]TiO3â€“0.03BaTiO3 lead-free ceramics. Journal of Alloys and Compounds, 2015, 630, 236-243.	5.5	15
42	Effects of the doping of W6+ ions on the structure and electrical properties of Pb0.95Ba0.05Nb2O6 piezoelectric ceramics. Ceramics International, 2015, 41, S662-S667.	4.8	6
43	Effects of BiAlO 3 -doping on dielectric and ferroelectric properties of 0.93Na 0.5 Bi 0.5 TiO 3 â€“0.07BaTiO 3 lead-free ceramics. Materials Research Bulletin, 2015, 67, 94-101.	5.2	17
44	First-principles study of the structures and electronic band properties of Bi2Te3{11Ì„5} nanoribbons. AIP Advances, 2015, 5, .	1.3	7
45	Size-dependent melting temperature of nanoparticles based on cohesive energy. Modern Physics Letters B, 2014, 28, 1450157.	1.9	3
46	<i>In Situ</i> X-Ray Diffraction Study on Surface Melting of Bi Nanoparticles Embedded in a SiO ₂ Matrix. Chinese Physics Letters, 2014, 31, 016403.	3.3	2
47	A uniform model for direct and converse magnetoelectric effect in laminated composite. Applied Physics Letters, 2014, 104, .	3.3	36
48	Preparation of homogeneous microstructure pure lead metaniobate by two-step sintering. Electronic Materials Letters, 2014, 10, 139-142.	2.2	5
49	Microstructure, dielectric and piezoelectric properties of (Pb1âˆ'xSrx)Nb1.96Ti0.05O6 ceramics. Solid State Sciences, 2014, 35, 74-80.	3.2	10
50	Structure and dielectric property of Zr-doped (Na0.47Bi0.46Ba0.06K0.01)(Nb0.02Ti0.98)O3 lead-free ceramics. Journal of Electroceramics, 2014, 32, 332-338.	2.0	4
51	Effect of the Second Sintering Temperature on the Microstructure and Electrical Properties of PbNb2O6-0.5Âwt.%ZrO2 Obtained via a Two-Step Sintering Process. Journal of Electronic Materials, 2014, 43, 3630-3634.	2.2	5
52	Crystallite structure, microstructure, dielectric, and piezoelectric properties of (Pb1.06âˆ'xBax)(Nb0.94Ti0.06)2O6 piezoelectric ceramics prepared using calcined powders with different phases. Materials Chemistry and Physics, 2014, 143, 1149-1157.	4.0	12
53	Structure, dielectric and ferroelectric properties of 0.92Na0.5Bi0.5TiO3â€“0.06BaTiO3â€“0.02K0.5Na0.5NbO3 lead-free ceramics: Effect of Co2O3 additive. Ceramics International, 2013, 39, 3721-3729.	4.8	38
54	Surface melting of Sn nanoparticles embedded in an Al matrix studied by high-temperature in situ X-ray diffraction. Solid State Communications, 2012, 152, 2031-2035.	1.9	5

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55	Structure and phase transition of BiFeO3 cubic micro-particles prepared by hydrothermal method. Materials Research Bulletin, 2012, 47, 3630-3636.	5.2	30
56	Microstructure, dielectric and ferroelectric properties of (NaxBi0.5)0.94Ba0.06TiO3 lead-free ferroelectric ceramics: Effect of Na nonstoichiometry. Materials Chemistry and Physics, 2012, 132, 368-374.	4.0	38
57	Microstructure, dielectric and ferroelectric properties of 0.94Bi0.5Na0.5TiO3â€“0.06BaTiO3 (NBTB) and 0.05BiFeO3â€“0.95NBTB ceramics: Effect of sintering atmosphere. Journal of Alloys and Compounds, 2011, 509, 1824-1829.	5.5	37
58	Microstructure, Dielectric, and Piezoelectric Properties of Pb_{0.92}Ba_{0.08}Nb₂O₆â€“0.25 wt% TiO₂ Ceramics: Effect of Sintering Temperature. Journal of the American Ceramic Society, 2011, 94, 3364-3372.	3.8	35
59	Microstructure and dielectric properties of Pb0.94La0.06Nb2O6 ceramics. Ceramics International, 2011, 37, 2855-2859.	4.8	11
60	Effects of Ti on dielectric and piezoelectric properties of (Pb0.985La0.01)1+y(Nb1âˆ’yTiy)2O6 ceramics. Materials & Design, 2010, 31, 4886-4890.	5.1	14
61	Structure and dielectric properties of Ba(Ti0.99Ni0.01)O3-Î´ ceramic synthesized via high energy ball milling method. Physica B: Condensed Matter, 2010, 405, 2815-2819.	2.7	11
62	Hydrothermal synthesis of perovskite bismuth ferrite crystallites with the help of NH<inf>4</inf>Cl. , 2010, , .		0
63	Microstructure, dielectric and ferroelectric properties of (1âˆ’x)(0.94Bi0.5Na0.5TiO3â€“0.06BaTiO3)â€“xBiFeO3 lead-free ceramics synthesized via a high energy ball milling method. Journal of Alloys and Compounds, 2010, 507, 535-541.	5.5	55
64	Dynamic mechanical analyzer study on surface melting of indium nanoparticles. Solid State Communications, 2008, 148, 374-377.	1.9	4
65	Internal friction associated with the melting of Pb nanoparticles in an Al matrix. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 363, 150-153.	2.1	5
66	Surface melting of nanometre-sized Pb particles embedded in an Al matrix studied by internal friction technique. Journal of Physics Condensed Matter, 2006, 18, 7013-7020.	1.8	8