Kepi Chen

List of Publications by Year
in descending order

48 papers	1,280 citations	394286 19 h-index	360920 35 g-index
48 all docs	48 docs citations	48 times ranked	1307 citing authors

#	Article	IF	Citations
1	A five-component entropy-stabilized fluorite oxide. Journal of the European Ceramic Society, 2018, 38, 4161-4164.	2.8	251
2	Morphotropic phase boundary and electrical properties of K1â^'xNaxNbO3 lead-free ceramics. Applied Physics Letters, 2009, 94, .	1.5	193
3	Effect of composition and poling field on the properties and ferroelectric phase-stability of Pb(Mg1/3Nb2/3)O3â€“PbTiO3 crystals. Journal of Applied Physics, 2002, 92, 6134-6138.	1.1	99
4	Study of the structure and dielectric relaxation behavior of Pb(Ni1/3Nb2/3)â€“PbTiO3 ferroelectric ceramics. Solid State Communications, 2002, 123, 445-450.	0.9	54
5	Highâ€entropy oxides based on valence combinations: design and practice. Journal of the American Ceramic Society, 2021, 104, 1953-1958.	1.9	50
6	Acceptor doping effects in (K0.5Na0.5)NbO3 lead-free piezoelectric ceramics. Ceramics International, 2016, 42, 2899-2903.	2.3	38
7	Electric-field-induced phase transition in Â001Â-oriented Pb(Mg1/3Nb2/3)O3-PbTiO3single crystals. Journal of Physics Condensed Matter, 2002, 14, L571-L576.	0.7	33
8	Dielectric and ferroelectric properties of Pb(Ni1/3Nb2/3)O3â€“PbTiO3 ferroelectic ceramic near the morphotropic phase boundary. Materials Letters, 2002, 54, 8-12.	1.3	33
9	Ferroelectric 90o Domain Evaluation in Tetragonal Pb(Mg1/3Nb2/3)O3-PbTiO3 Ceramics. Journal of the American Ceramic Society, 2005, 88, 335-338.	1.9	29
10	Screening Sintering Aids for (K_{0.5}Na_{0.5})NbO₃ Ceramics. Journal of the American Ceramic Society, 2015, 98, 1698-1701.	1.9	29
11	Fabrication and properties of porous anorthite ceramics with modelling pore structure. Materials Letters, 2017, 190, 95-98.	1.3	29
12	High-entropy stoichiometric perovskite oxides based on valence combinations. Ceramics International, 2021, 47, 24348-24352.	2.3	29
13	An Approach to Improve the Piezoelectric Property of (Bi_{0.5}Na_{0.5})TiO₃â€“(Bi_{0.5}K_{0.5})TiO₃â€“BaTiO₃ Leadâ€Free Ceramics. International Journal of Applied Ceramic Technology, 2011, 8, 423-429.	1.7	27
14	Synthesis of calcium copper titanate ceramics via the molten salts method. Ceramics International, 2010, 36, 1523-1527.	2.3	26
15	Study of the structure and electrical properties of PMN-PNN-PT ceramics near the morphotropic phase boundary. Journal of Electroceramics, 2006, 16, 109-114.	0.8	25
16	Design and synthesis of chemically complex ceramics from the perspective of entropy. Materials Today Advances, 2020, 8, 100114.	2.5	24
17	Structure and dielectric relaxation behavior near the MPB for Pb(Mg1/3Nb2/3)O3â€“Pb(Ni1/3Nb2/3)O3â€“PbTiO3 ferroelectric ceramics. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 111, 107-112.	1.7	22
18	Grain refining in spark plasma sintering Al2O3 ceramics. Journal of Alloys and Compounds, 2015, 622, 596-600.	2.8	22

#	Article	IF	Citations
19	Making Nanostructured Ceramics from Micrometerâ€Sized Powders via Grain Refinement During SPS Sintering. Journal of the American Ceramic Society, 2008, 91, 2475-2480.	1.9	20
20	Preparation and characteristics of porous anorthite ceramics with high porosity and highâ€temperature strength. International Journal of Applied Ceramic Technology, 2020, 17, 963-973.	1.1	18
21	Effect of borax addition on sintering and electrical properties of (K0.5Na0.5)NbO3 lead-free piezoceramics. Ceramics International, 2015, 41, 10232-10236.	2.3	17
22	An anion-deficient high-entropy fluorite oxide with very low density. Ceramics International, 2021, 47, 21207-21211.	2.3	17
23	Electrical, dielectric and mechanical properties of a novel Ti3AlC2/epoxy resin conductive composites. Materials Letters, 2013, 110, 61-64.	1.3	16
24	Design and investigate the electrical properties of Pb(Mg0.2Zn0.2Nb0.2Ta0.2W0.2)O3â€“PbTiO3 high-entropy ferroelectric ceramics. Ceramics International, 2022, 48, 12848-12855.	2.3	16
25	Enhanced Fieldâ€Induced Strain in the Textured Leadâ€Free Ceramic. Journal of the American Ceramic Society, 2016, 99, 3985-3992.	1.9	15
26	Porous (Ce0.2Zr0.2Ti0.2Sn0.2Ca0.2)O2-Î´ high-entropy ceramics with both high strength and low thermal conductivity. Journal of the European Ceramic Society, 2021, 41, 309-314.	2.8	15
27	Microstructure and electrical properties of 0.7Pb(Mg1/3Nb2/3)O3â€“0.3PbTiO3 ceramics by spark plasma sintering. Materials Letters, 2002, 57, 20-23.	1.3	12
28	Effects of GeO₂ Addition on Sintering and Properties of (K_{0.5}Na_{0.5})NbO₃ Ceramics. Journal of the American Ceramic Society, 2016, 99, 1681-1686.	1.9	12
29	Non-contact electric field-enhanced abnormal grain growth in (K0.5Na0.5)NbO3 ceramics. Ceramics International, 2017, 43, 12343-12347.	2.3	10
30	Design and synthesis of high-entropy pyrochlore ceramics based on valence combination. Journal of the European Ceramic Society, 2022, 42, 5973-5983.	2.8	10
31	Morphotropic phase boundary in Pb(Ni1/3Nb2/3)O3â€“PbTiO3 solid solution system. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 99, 487-490.	1.7	9
32	Analyses of Cascading Failure in Mine Ventilation System and Its Effects in a Serious Mine Gas Explosion Disaster. Journal of Failure Analysis and Prevention, 2013, 13, 538-544.	0.5	9
33	Growth mechanism of relaxor-PbTiO3 single crystals shown by morphology of crystalline grains in ceramics. Journal of Crystal Growth, 2005, 284, 275-280.	0.7	8
34	Field-induced effect in the <111>-oriented 0.70Pb(Mg1/3Nb2/3)O3â€“0.30PbTiO3 single crystals. Materials Letters, 2006, 60, 1634-1639.	1.3	8
35	Compositional inhomogeneity and segregation in (K0.5Na0.5)NbO3 ceramics. Ceramics International, 2016, 42, 9949-9954.	2.3	8
36	Structure and dielectric properties of Pb(Zn0.2Ni0.8)1/3Nb2/3O3â€“PbTiO3 ferroelectric ceramic near the morphotropic phase boundary. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2005, 121, 261-265.	1.7	7

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37	Entropy-stabilized oxides with medium configurational entropy. Ceramics International, 2021, 47, 9979-9983.	2.3	7
38	Structure and implication of morphotropic phase boundary for Pb(Mg1/3Nb2/3)O3-PbTiO3ferroelectric ceramics. Ferroelectrics, 2001, 261, 155-160.	0.3	6
39	Effects of acceptor doping on sintering and piezoelectric propertiesÂofÂ(K0.4825Na0.4825Li0.035)(Nb0.8Ta0.2)O3 lead-free piezoelectric ceramics. Journal of Alloys and Compounds, 2017, 695, 3364-3369.	2.8	6
40	Title is missing!. Journal of Materials Science Letters, 2002, 21, 1785-1787.	0.5	5
41	Improvement in synthesis of (K0.5Na0.5)NbO3 powders by Ge4+ acceptor doping. Frontiers of Materials Science, 2016, 10, 422-427.	1.1	5
42	Effects of Ge4+ acceptor dopant on sintering and electrical properties of (K0.5Na0.5)NbO3 lead-free piezoceramics. Frontiers of Materials Science, 2017, 11, 59-65.	1.1	5
43	Study of the Electrical Properties of Pb(Mg,Ni)1/3Nb2/3O3-PbTiO3System Across the Morphotropic Phase Boundary. , 2003, 10, 233-239.		4
44	Eliminating the negative effect of monoclinic Nb₂O₅ on electrical properties of (K_{0.5}Na_{0.5})NbO₃ ceramics by twoâ€step sintering. International Journal of Applied Ceramic Technology, 2017, 14, 987-991.	1.1	2
45	Study of the electrical properties of Pb(Zn,Ni)1/3Nb2/3O3â€“PbTiO3 ceramics across the morphotropic phase boundary. Journal of Electroceramics, 2008, 21, 549-552.	0.8	0
46	BiCoO3-doped (K0.475Na0.475Li0.05)(Nb0.8Ta0.2)O3 lead-free piezoelectric ceramics. Frontiers of Materials Science, 2012, 6, 311-318.	1.1	0
47	Low Temperature Sintering of (Ba_{0.98}Ca_{0.02})(Sn_{0.04}Ti_{0.96})O₃ Ceramics Using CuO-B₂O₃ as a Sintering Additive. Key Engineering Materials, 2014, 602-603, 813-816.	0.4	0
48	Ca2+ doping effects in (K, Na, Li)(Nb0.8Ta0.2)O3 lead-free piezoelectric ceramics. Frontiers of Materials Science, 2019, 13, 431-438.	1.1	0