Zu-Pei Yang

List of Publications by Year
in descending order

218 papers	7,170 citations	66234 42 h-index	85405 71 g-index
218 all docs	218 docs citations	218 times ranked	4150 citing authors

#	Article	IF	Citations
1	20â€mmâ€Large Singleâ€Crystalline Formamidiniumâ€Perovskite Wafer for Mass Production of Integrated Photodetectors. Advanced Optical Materials, 2016, 4, 1829-1837.	3.6	316
2	Superior comprehensive energy storage properties in Bi0.5Na0.5TiO3-based relaxor ferroelectric ceramics. Chemical Engineering Journal, 2020, 388, 124158.	6.6	279
3	Multi-inch single-crystalline perovskite membrane for high-detectivity flexible photosensors. Nature Communications, 2018, 9, 5302.	5.8	212
4	Structure and electrical properties of (1â^'x)Bi0.5Na0.5TiO3â€“xBi0.5K0.5TiO3 ceramics near morphotropic phase boundary. Materials Research Bulletin, 2008, 43, 81-89.	2.7	209
5	Enhanced energy density and thermal stability in relaxor ferroelectric Bi0.5Na0.5TiO3-Sr0.7Bi0.2TiO3 ceramics. Journal of the European Ceramic Society, 2019, 39, 4778-4784.	2.8	182
6	Phase Transition Behavior and Large Piezoelectricity Near the Morphotropic Phase Boundary of Leadâ€Free (<scp><scp>Ba</scp></scp>_{0.85}<scp><scp>Ca</scp></scp>_{0.15})(<scp><scp>Zr</scp></scp><sub>0.1</su Ceramics. Journal of the American Ceramic Society, 2013, 96, 496-502.	1.9	156
7	Bi_{0.5}Na_{0.5}TiO₃-based relaxor ferroelectric ceramic with large energy density and high efficiency under a moderate electric field. Journal of Materials Chemistry C, 2019, 7, 10514-10520.	2.7	155
8	Regulation of energy density and efficiency in transparent ceramics by grain refinement. Chemical Engineering Journal, 2020, 390, 124566.	6.6	140
9	Leadâ€free (K,Na)NbO₃â€based ceramics with high optical transparency and large energy storage ability. Journal of the American Ceramic Society, 2018, 101, 2321-2329.	1.9	130
10	âŸ¨001âŸ© textured (K0.5Na0.5)(Nb0.97Sb0.03)O3 piezoelectric ceramics with high electromechanical coupling over a broad temperature range. Applied Physics Letters, 2009, 95, .	1.5	117
11	Giant Dielectric Constant and Good Temperature Stability in <scp><scp>Y</scp></scp>_{2/3}<scp><scp>Cu</scp></scp>₃<scp><scp>Ti</scp></scp>₄<scp><s Ceramics. Journal of the American Ceramic Society, 2012, 95, 2218-2225.	1.9	114
12	A novel multifunctional ceramic with photoluminescence and outstanding energy storage properties. Chemical Engineering Journal, 2021, 408, 127368.	6.6	109
13	Phase transitional behavior and electrical properties of lead-free (K0.44Na0.52Li0.04)(Nb0.96â^'xTaxSb0.04)O3 piezoelectric ceramics. Applied Physics Letters, 2007, 90, 042911.	1.5	108
14	Phase transition behavior and electrical properties of lead-free (Ba1â^'xCax)(Zr0.1Ti0.9)O3 piezoelectric ceramics. Journal of Applied Physics, 2013, 113, .	1.1	99
15	Effects of composition on phase structure, microstructure and electrical properties of (K0.5Na0.5)NbO3â€“LiSbO3 ceramics. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 432, 292-298.	2.6	93
16	Preparation of Ag-Nanoparticle-Loaded MnO₂ Nanosheets and Their Capacitance Behavior. Energy & Fuels, 2012, 26, 618-623.	2.5	82
17	Polymorphic structure evolution and large piezoelectric response of lead-free (Ba,Ca)(Zr,Ti)O3 ceramics. Applied Physics Letters, 2014, 104, .	1.5	80
18	Effects of Li content on the phase structure and electrical properties of lead-free (K0.46â^'xâ•2Na0.54â^'xâ•2Lix)(Nb0.76Ta0.20Sb0.04)O3 ceramics. Applied Physics Letters, 2007, 90, 232905.	1.5	73

#	Article	IF	Citations
19	High permittivity and low dielectric loss of the Ca1â^'xSrxCu3Ti4O12 ceramics. Journal of Alloys and Compounds, 2011, 509, 8716-8719.	2.8	73
20	Phase transitional behavior, microstructure, and electrical properties in Ta-modified [(K0.458Na0.542)0.96Li0.04]â€ˆNbO3 lead-free piezoelectric ceramics. Journal of Applied Physics, 2008, 104, .	1.1	72
21	Dielectric Properties and Impedance Spectroscopy of MnCO₃â€Modified (Ba_{0.85}Ca_{0.15})(Zr_{0.1}Ti_{0.9})O₃ Leadâ€Free Ceramics. Journal of the American Ceramic Society, 2015, 98, 1506-1514.	1.9	72
22	Enhanced Electromechanical Properties and Temperature Stability of Textured (K0.5Na0.5)NbO3-Based Piezoelectric Ceramics. Journal of the American Ceramic Society, 2011, 94, 2494-2498.	1.9	69
23	Metalâ€Free Halide Perovskite Single Crystals with Very Long Charge Lifetimes for Efficient Xâ€ray Imaging. Advanced Materials, 2020, 32, e2003353.	11.1	68
24	Microstructure, Density, and Dielectric Properties of Lead-Free (K0.44Na0.52Li0.04)(Nb0.96?xTaxSb0.04)O3Piezoelectric Ceramics. Journal of the American Ceramic Society, 2007, 90, 1656-1658.	1.9	67
25	Phase Transitional Behavior and Electrical Properties of Sr₂K_{0.1}Na_{0.9}Nb_{5â^'x}Ta_xO₁₅ Ceramics. Journal of the American Ceramic Society, 2010, 93, 3986-3989.	1.9	65
26	Preparation of CaCu3Ti4O12 ceramics with low dielectric loss and giant dielectric constant by the solâ€“gel technique. Ceramics International, 2013, 39, 7879-7889.	2.3	65
27	Processing, dielectric properties and impedance characteristics of Na0.5Bi0.5Cu3Ti4O12 ceramics. Materials Research Bulletin, 2010, 45, 1608-1613.	2.7	64
28	Dielectric and piezoelectric properties of alkaline-earth titanate doped (K0.5Na0.5)NbO3 ceramics. Materials Letters, 2007, 61, 785-789.	1.3	61
29	Structure, microstructure and electrical properties of (1â^'xâ^'y)Bi0.5Na0.5TiO3â€“xBi0.5K0.5TiO3â€“yBi0.5Li0.5TiO3 lead-free piezoelectric ceramics. Journal of Alloys and Compounds, 2009, 480, 246-253.	2.8	60
30	Microstructure development and piezoelectric properties of highly textured CuO-doped KNN by templated grain growth. Journal of Materials Research, 2010, 25, 687-694.	1.2	60
31	Structure and electrical properties of Nd2O3-doped 0.82Bi0.5Na0.5TiO3â€“0.18Bi0.5K0.5TiO3 ceramics. Ceramics International, 2009, 35, 1423-1427.	2.3	59
32	Synthesis, structure, dielectric, piezoelectric, and energy storage performance of (Ba0.85Ca0.15)(Ti0.9Zr0.1)O3 ceramics prepared by different methods. Journal of Materials Science: Materials in Electronics, 2016, 27, 5047-5058.	1.1	59
33	Origin of giant permittivity and high-temperature dielectric anomaly behavior in Na0.5Y0.5Cu3Ti4O12 ceramics. Journal of Applied Physics, 2013, 113, .	1.1	58
34	Effects of AETiO3 additions on phase structure, microstructure and electrical properties of (K0.5Na0.5)NbO3 ceramics. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 437, 301-305.	2.6	57
35	Transparency of K0.5N0.5NbO3â€“Sr(Mg1/3Nb2/3)O3 lead-free ceramics modulated by relaxor behavior and grain size. Ceramics International, 2016, 42, 17963-17971.	2.3	57
36	Ultrahigh storage density achieved with (1-x)KNN-xBZN ceramics. Journal of the European Ceramic Society, 2020, 40, 2936-2944.	2.8	57

#	Article	IF	Citations
37	Enhanced transmittance and piezoelectricity of transparent K_{0.5}Na_{0.5}NbO₃ ceramics with Ca(Zn_{1/3}Nb_{2/3})O₃ additives. RSC Advances, 2017, 7, 28428-28437.	1.7	53
38	Effects of CuO addition on the electrical responses of the low-temperature sintered Pb(Zr0.52Ti0.48)O3â€“Pb(Mg1/3Nb2/3)O3â€“Pb(Zn1/3Nb2/3)O3 ceramics. Journal of Alloys and Compounds, 2010, 491, 698-702.	2.8	52
39	Synthesis and morphology of anisotropic NaNbO3 seed crystals. Materials Chemistry and Physics, 2008, 111, 195-200.	2.0	48
40	Relaxor behavior and energy storage density induced by B-sites substitutions in (Ca0.28Ba0.72)2.1Na0.8Nb5O15 Tungsten bronze ceramics. Ceramics International, 2018, 44, 8832-8841.	2.3	47
41	Origin of colossal permittivity and low dielectric loss in Na1/3Cd1/3Y1/3Cu3Ti4O12 ceramics. Ceramics International, 2020, 46, 11154-11159.	2.3	44
42	Differentiated Electric Behaviors of <scp><scp>La</scp></scp>_{2/3}<scp><scp>Cu</scp></scp>₃<scp><scp>Ti</scp></scp>₄<scp>< Ceramics Prepared by Different Methods. Journal of the American Ceramic Society, 2014, 97, 2154-2163.	1.9	44
43	A new perovskite-related ceramic with colossal permittivity and low dielectric loss. Journal of the European Ceramic Society, 2020, 40, 4010-4015.	2.8	43
44	Fabrication and electrical characteristics of piezoelectric PMNâ€“PZNâ€“PZT ceramic transformers. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 138, 277-283.	1.7	40
45	Swelling, pH sensitivity, and mechanical properties of poly(acrylamideâ€coâ€sodium methacrylate) nanocomposite hydrogels impregnated with carboxylâ€functionalized carbon nanotubes. Polymer Composites, 2012, 33, 665-674.	2.3	40
46	Phase Formation and Enhanced Dielectric Response of Y_{2/3}Cu₃Ti₄O₁₂ Ceramics Derived from the Solâ€“Gel Process. Journal of the American Ceramic Society, 2015, 98, 795-803.	1.9	40
47	Excellent Transmittance Induced Phase Transition and Grain Size Modulation in Leadâ€Free (1â€“x)(K_{0.5}Na_{0.5})NbO₃â€“xLaBiO₃ Ceramics. Journal of the American Ceramic Society, 2016, 99, 2055-2062.	1.9	39
48	Improved transmittance and ferroelectric properties realized in KNN ceramics via SAN modification. Journal of the American Ceramic Society, 2018, 101, 5127-5137.	1.9	39
49	Grain boundary engineering that induces ultrahigh permittivity and decreased dielectric loss in CdCu₃Ti₄O₁₂ ceramics. Journal of the American Ceramic Society, 2020, 103, 1230-1240.	1.9	39
50	High energy storage density realized in Bi0.5Na0.5TiO3-based relaxor ferroelectric ceramics at ultralow sintering temperature. Journal of the European Ceramic Society, 2021, 41, 368-375.	2.8	39
51	A compromise between piezoelectricity and transparency in KNN-based ceramics: The dual functions of Li2O addition. Journal of the European Ceramic Society, 2020, 40, 2331-2337.	2.8	38
52	Grain engineering inducing high energy storage in CdCu3Ti4O12 ceramics. Ceramics International, 2020, 46, 14425-14430.	2.3	37
53	Effect of ZnO addition on the sintering and electrical properties of (Mn,W)-doped PZTâ€“PMSâ€“PZN ceramics. Materials Research Bulletin, 2009, 44, 638-643.	2.7	36
54	Origin of giant permittivity in Ta, Al co-doped TiO2: Surface layer and internal barrier capacitance layer effects. Ceramics International, 2018, 44, 5768-5773.	2.3	36

#	Article	IF	Citations
55	The Lowered Dielectric Loss and Grainâ€Boundary Effects in <scp><scp>La</scp></scp>â€doped <scp><scp>Y</scp></scp>_{2/3}<scp><scp>Cu</scp></scp>₃<scp><scp>Ti</scp></scp>₄<scp><scp>O</scp></scp>₁₂ Ceramics. Journal of the American Ceramic Society, 2013, 96, 3883-3890.	3.9	34
56	A narrow-band blue emitting phosphor Ca₈Mg₇Si₉N₂₂:Eu²⁺ for pc-LEDs. Journal of Materials Chemistry C, 2019, 7, 3730-3734.	2.7	34
57	Phase Structure, Microstructure, and Electrical Properties of Sbâ€Modified (K, Na, Li) (Nb, Ta) O₃ Piezoelectric Ceramics. Journal of the American Ceramic Society, 2008, 91, 2211-2216.	1.9	33
58	Low dielectric loss, dielectric response, and conduction behavior in Na-doped Y2/3Cu3Ti4O12 ceramics. Journal of Applied Physics, 2014, 116, 044101.	1.1	33
59	Fabrication and characterization of CdCu3Ti4O12 ceramics with colossal permittivity and low dielectric loss. Materials Letters, 2018, 210, 301-304.	1.3	33
60	Ag+/W6+ co-doped TiO2 ceramic with colossal permittivity and low loss. Journal of Alloys and Compounds, 2021, 856, 157350.	2.8	33
61	Good dielectric performance and broadband dielectric polarization in Ag, Nb coâ€doped TiO₂. Journal of the American Ceramic Society, 2021, 104, 2702-2710.	1.9	33
62	High electrical properties of W-additive Mn-modified PZTâ€“PMSâ€“PZN ceramics for high power piezoelectric transformers. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2006, 130, 288-294.	1.7	32
63	Optical and electrical properties of pressureless sintered transparent (K0.37Na0.63)NbO3-based ceramics. Ceramics International, 2016, 42, 4648-4657.	2.3	32
64	Phase transition and improved electrical performance of Ba0.85Ca0.15Zr0.1Ti0.9O3â€“Ca0.28Ba0.72Nb2O6 ceramics with high Curie temperature. Materials and Design, 2016, 89, 465-469.	3.3	32
65	Submicron barium calcium zirconium titanate ceramic for energy storage synthesised via the co-precipitation method. Materials Research Bulletin, 2019, 111, 259-266.	2.7	32
66	High transmittance in lead-free lanthanum modified potassium-sodium niobate ceramics. Journal of Alloys and Compounds, 2017, 716, 21-29.	2.8	31
67	Synthesis and dielectric anomalies of CdCu3Ti4O12 ceramics. Ceramics International, 2015, 41, 8501-8510.	2.3	30
68	Coherent Sb/CuTe Core/Shell Nanostructure with Large Strain Contrast Boosting the Thermoelectric Performance of nâ€Type PbTe. Advanced Functional Materials, 2021, 31, 2007340.	7.8	30
69	Structure and electrical properties of new Pb(Zr,Ti)O3â€“Pb(Fe2/3W1/3)O3â€“Pb(Mn1/3Nb2/3)O3 ceramics. Materials Letters, 2005, 59, 3476-3480.	1.3	29
70	Structure and electrical properties of PZTâ€“PMSâ€“PZN piezoelectric ceramics. Journal of the European Ceramic Society, 2006, 26, 3197-3202.	2.8	29
71	Phase structures, electrical properties and temperature stability of (1â^'x)[(K0.458Na0.542)0.96Li0.04](Nb0.85Ta0.15)O3â€“xBiFeO3 ceramics. Journal of Alloys and Compounds, 2012, 518, 1-5.	2.8	29
72	Role of structural modulation in electrical properties of tungsten bronze (Ca0.28Ba0.72)2.5â^'0.5Na Nb5O15 ceramics. Journal of Alloys and Compounds, 2015, 632, 368-375.	2.8	29

#	Article	IF	Citations
73	Ca₈Mg₇Si₉N₂₂:Ce³⁺â€"A Yellow-Emitting Nitride Phosphor for White Light Emitting Diodes. ACS Applied Electronic Materials, 2020, 2, 936-943.	2.0	29
74	Improved dielectric properties and grain boundary response in neodymium-doped Y2/3Cu3Ti4O12 ceramics. Journal of Alloys and Compounds, 2016, 678, 273-283.	2.8	28
75	High thermal stability and excellent dielectric properties of a novel X8R-type CdCu3Ti4O12 ceramics through a sol-gel technique. Materials Research Bulletin, 2018, 98, 340-348.	2.7	28
76	Influence of Bi nonstoichiometry on the energy storage properties of 0.93KNNâ€"0.07Bi_xMN relaxor ferroelectrics. Journal of Advanced Dielectrics, 2018, 08, 1830006.	1.5	28
77	Simultaneous realization of broad temperature stability range and outstanding dielectric performance in (Ag+, Ta5+) coâ€"doped TiO2 ceramics. Journal of Alloys and Compounds, 2019, 783, 423-427.	2.8	28
78	Interfacial effect inducing thermal stability and dielectric response in CdCu3Ti4O12 ceramics. Solid State Ionics, 2020, 348, 115290.	1.3	28
79	Good thermal stability, giant permittivity, and low dielectric loss for X9Râ€type (Ag_{1/4}Nb_{3/4})_{0.005}Ti_{0.995}O₂ ceramics. Journal of the American Ceramic Society, 2019, 102, 970-975.	1.9	27
80	Excellent optical transparency of potassium-sodium niobate-based lead-free relaxor ceramics induced by fine grains. Journal of the European Ceramic Society, 2019, 39, 3684-3692.	2.8	27
81	Simultaneous realization of high transparency and piezoelectricity in low symmetry <scp>KNN</scp>â€based ceramics. Journal of the American Ceramic Society, 2019, 102, 3498-3509.	1.9	27
82	Piezoelectric and dielectric properties of PZTâ€"PZNâ€"PMS ceramics prepared by molten salt synthesis method. Materials Research Bulletin, 2005, 40, 2110-2119.	2.7	26
83	High permittivity and low dielectric loss of Na0.5Bi0.5â^'xLaxCu3Ti4O12 ceramics. Materials Research Bulletin, 2012, 47, 1273-1277.	2.7	26
84	Improved dielectric properties and grain boundary response of SrTiO3 doped Y2/3Cu3Ti4O12 ceramics fabricated by Sol-gel process for high-energy-density storage applications. Journal of the European Ceramic Society, 2017, 37, 4637-4644.	2.8	26
85	Temperature stability and low dielectric loss of lithium-doped CdCu3Ti4O12 ceramics for X9R capacitor applications. Ceramics International, 2019, 45, 22991-22997.	2.3	26
86	Grain size control in ITO targets and its effect on electrical and optical properties of deposited ITO films. Journal of Materials Science: Materials in Electronics, 2014, 25, 710-716.	1.1	25
87	Effect of the synthesis route on the phase formation behavior and electric property of Na0.5Bi0.5Cu3Ti4O12 ceramics. Materials Research Bulletin, 2014, 52, 42-49.	2.7	25
88	Step-Up Thermoelectric Performance Realized in Bi₂Te₃ Alloyed GeTe via Carrier Concentration and Microstructure Modulations. ACS Applied Energy Materials, 2019, 2, 1616-1622.	2.5	25
89	Relaxor nature and superior energy storage performance of Sr2Ag0.2Na0.8Nb5O15-based tungsten bronze ceramics through B-site substitution. Chemical Engineering Journal, 2022, 433, 133812.	6.6	25
90	Preparation and morphology of anisometric KSr2Nb5O15 particles. Journal of the European Ceramic Society, 2007, 27, 267-272.	2.8	24

#	Article	IF	Citations
91	Phase formation, microstructure and dielectric properties of Sr0.53Ba0.47Nb2â^'xTaxO6 ceramics. Journal of Alloys and Compounds, 2010, 504, 211-216.	2.8	24
92	Preparation, microstructure, and improved dielectric and nonlinear electrical properties of Na1/2La1/2Cu3Ti4O12 ceramics by solâ€"gel method. Materials Research Bulletin, 2013, 48, 4877-4883.	2.7	24
93	Dielectric constant versus voltage and non-Ohmic characteristics of Bi2/3Cu3Ti4O12 ceramics prepared by different methods. Ceramics International, 2016, 42, 2526-2533.	2.3	24
94	Fabrication and characterization of low temperature sintering PMNâ€"PZNâ€"PZT step-down multilayer piezoelectric transformer. Sensors and Actuators A: Physical, 2008, 144, 117-123.	2.0	23
95	Preparation and Sintering Behavior of the Tinâ€Đoped Indium Oxide Nanopowders. Journal of the American Ceramic Society, 2010, 93, 2511-2514.	1.9	23
96	Structure, dielectric, ferroelectric, and magnetic properties of (1â^'x) BiFeO3â€"x (Ba0.85Ca0.15)(Zr0.10Ti0.90)O3 ceramics. Materials Research Bulletin, 2015, 66, 132-139.	2.7	23
97	Variation of electrical properties with structural vacancies in ferroelectric niobates (Sr0.53Ba0.47)2.5â^'0.5Na Nb5O15 ceramics. Journal of Alloys and Compounds, 2016, 685, 175-185.	2.8	23
98	Narrow-band blue emitting nitridomagnesosilicate phosphor Sr₈Mg₇Si₉N₂₂:Eu²⁺ for phosphor-converted LEDs. Chemical Communications, 2018, 54, 11598-11601.	2.2	23
99	High-efficiency synthesis of high-performance K0.5Na0.5NbO3 ceramics. Powder Technology, 2019, 346, 248-255.	2.1	23
100	Significantly enhanced breakdown electric field in Zn-doped Y2/3Cu3Ti4O12 ceramics. Journal of Alloys and Compounds, 2019, 778, 391-397.	2.8	23
101	Colossal dielectric response in CdAl Cu3-Ti4O12 perovskite ceramics. Materials Chemistry and Physics, 2021, 258, 123940.	2.0	23
102	Enhanced dielectric performance of (Ag1/4Nb3/4)0.01Ti0.99O2 ceramic prepared by a wet-chemistry method. Ceramics International, 2020, 46, 11921-11925.	2.3	23
103	Ba(Cu0.5W0.5)O3-induced sinterability, electrical and mechanical properties of (Ba0.85Ca0.15Ti0.90Zr0.10)O3 ceramics sintered at low temperature. Materials Research Bulletin, 2015, 66, 16-25.	2.7	22
104	Effect of CaCu3Ti4O12 powders prepared by the different synthetic methods on dielectric properties of CaCu3Ti4O12/polyvinylidene fluoride composites. Journal of Materials Science: Materials in Electronics, 2015, 26, 3044-3051.	1.1	22
105	Effects of WO3 addition on the structure and electrical properties of Pb3O4 modified PZTâ€"PFWâ€"PMN piezoelectric ceramics. Materials Research Bulletin, 2006, 41, 1447-1454.	2.7	21
106	Microstructure and electrical properties of La2O3-doped Bi0.5(Na0.68K0.22Li0.1)0.5TiO3 lead-free piezoelectric ceramics. Current Applied Physics, 2011, 11, 888-892.	1.1	21
107	Structures, dielectric and ferroelectric properties of Sr_{2-x}Ca_xNaNb₅O₁₅ lead-free ceramics. Journal of Materials Research, 2012, 27, 979-984.	1.2	21
108	Effect of Zr doping on dielectric properties and grain boundary response of CdCu3Ti4O12 ceramics. Ceramics International, 2018, 44, 20311-20321.	2.3	21

#	Article	IF	Citations
109	Ultra-fast charge-discharge and high energy storage density realized in NaNbO3â€“La(Mn0.5Ni0.5)O3 ceramics. Ceramics International, 2021, 47, 28493-28499.	2.3	21
110	Enhanced energy storage properties and superior thermal stability in SNN-based tungsten bronze ceramics through substitution strategy. Journal of the European Ceramic Society, 2022, 42, 2781-2788.	2.8	21
111	Low temperature sintering and properties of piezoelectric PZTâ€“PFWâ€“PMN ceramics with YMnO3 addition. Materials Research Bulletin, 2008, 43, 38-44.	2.7	20
112	Sintering behavior and refining grains of high density tin doped indium oxide targets with low tin oxide content. Journal of Materials Science: Materials in Electronics, 2016, 27, 3298-3304.	1.1	20
113	Strained Endotaxial PbS Nanoprecipitates Boosting Ultrahigh Thermoelectric Quality Factor in nâ€Type PbTe Asâ€Cast Ingots. Small, 2021, 17, e2104496.	5.2	20
114	Effects of BiFeO3 addition on electrical properties and temperature stability of low temperature sintered PZTâ€“PFWâ€“PMN ceramics. Sensors and Actuators A: Physical, 2008, 141, 482-488.	2.0	19
115	Phase structure, morphology, and Raman characteristics of NaNbO3 particles synthesized by different methods. Materials Research Bulletin, 2009, 44, 538-542.	2.7	19
116	Phase evolution and enhanced electrical properties of (Ba0.85Ca0.15â^'x Y x)(Zr0.1Ti0.9)O3 lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2015, 26, 5217-5225.	1.1	19
117	Evaluation of birefringence contribution to transparency in (1-x)KNN-xSr(Al0.5Ta0.5)O3 ceramics: A phase structure tailoring. Journal of Alloys and Compounds, 2019, 798, 669-677.	2.8	19
118	Relaxor behaviors and electric response in transparent 0.95(K0.5Na0.5NbO3)-0.05Ca(Zr ZnyNbz)1.025O3 ceramics with low-symmetric structure. Ceramics International, 2019, 45, 3961-3968.	2.3	19
119	Effects of CeO2 addition on the piezoelectric properties of PNWâ€“PMNâ€“PZT ceramics. Ceramics International, 2009, 35, 199-204.	2.3	18
120	Electrical characteristics and low-temperature sintering of BiFeO3-modified Pb(Zr,Ti)O3â€“Pb(Fe2/3W1/3)O3â€“Pb(Mn1/3Nb2/3)O3 ceramics with ZnO addition. Current Applied Physics, 2009, 9, 1283-1287.	1.1	18
121	The Phase Formation, Microstructure, and Electric Properties of Tungsten Bronze Ferroelectric Sr₂NaNb₅O₁₅ Ceramics. Journal of the American Ceramic Society, 2010, 93, 1978-1983.	1.9	18
122	Effect of addition of Ba(W0.5Cu0.5)O3 in Pb(Mg1/3Nb2/3)O3â€“Pb(Zn1/3Nb2/3)O3â€“Pb(Zr0.52Ti0.48)O3 ceramics on the sintering temperature, electrical properties and phase transition. Journal of Alloys and Compounds, 2011, 509, 512-517.	2.8	18
123	Phase formation, dielectric and ferroelectric properties of CaxBa1â^'xNb2O6 ceramics. Ceramics International, 2013, 39, 4853-4860.	2.3	18
124	Electrical properties and low temperature sintering of BiAlO3 doped (Ba0.85Ca0.15)(Zr0.1Ti0.9)O3 lead-free piezoelectric ceramics. Journal of Materials Science: Materials in Electronics, 2015, 26, 7331-7340.	1.1	18
125	High energy and power density achieved in Bi0.5Na0.5TiO3-based relaxor ferroelectric ceramics with excellent thermal stability. Journal of Alloys and Compounds, 2021, 875, 160005.	2.8	18
126	Sodium bismuth titanate-based perovskite ceramics with high energy storage efficiency and discharge performance. Journal of Materiomics, 2022, 8, 1077-1085.	2.8	18

#	Article	IF	Citations
127	Fabrication, temperature stability and characteristics of Pb(Zr Ti) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 747 Td ()O3â€“Pb(Zn 38, 3377-3382.	2.3	17
128	Polymorphic phase transition and enhanced electrical properties of (Ba0.91Ca0.09â˜’xSrx)(Ti0.92Sn0.08)O3 lead-free ceramics. Ceramics International, 2014, 40, 9389-9394.	2.3	17
129	Electrical and transparent properties induced by structural modulation in (Sr0.925Ca0.075)2.5â€“0.5Na Nb5O15 ceramics. Journal of the European Ceramic Society, 2017, 37, 2605-2613.	2.8	17
130	Enhanced electrical properties and strong red lightâ€emitting in Eu³⁺â€doped Sr_{1.90}Ca_{0.15}Na_{0.9}Nb₅O₁₅ ceramics. Journal of the American Ceramic Society, 2017, 100, 5620-5628.	1.9	17
131	Synthesis, dielectric properties of Bi2/3Cu3Ti4O12 ceramics by the solâ€“gel method. Journal of Materials Science: Materials in Electronics, 2015, 26, 1959-1968.	1.1	16
132	Effects of Cr2O3 doping on the electrical properties and the temperature stabilities of PNWâ€“PMNâ€“PZT ceramics. Materials Research Bulletin, 2007, 42, 2156-2162.	2.7	15
133	Enhanced swelling and mechanical properties of P(AM-co-SMA) semi-IPN composite hydrogels by impregnation with PANI and MWNTs-COOH. Macromolecular Research, 2013, 21, 376-384.	1.0	15
134	Preparation process, microstructure and dielectric properties of Na0.5La0.5Cu3Ti4O12 ceramics by a solâ€“gel method. Journal of Materials Science: Materials in Electronics, 2014, 25, 2096-2103.	1.1	15
135	Structure and Differentiated Electrical Characteristics of M1/2La1/2Cu3Ti4O12 (MÂ=ÂLi, Na, K) Ceramics Prepared by Solâ€“Gel Method. Journal of Electronic Materials, 2017, 46, 6175-6187.	1.0	15
136	Excellent near-infrared transparency realized in low-symmetry orthorhombic (K,Na)NbO3-based submicron ceramics. Scripta Materialia, 2018, 154, 64-67.	2.6	15
137	Effects of A-site cations on the electrical behaviors in (Sr1-Ca)2.1Na0.8Nb5O15 tungsten bronze ferroelectrics. Materials Chemistry and Physics, 2020, 243, 122006.	2.0	15
138	Synergy of Valence Band Modulation and Grain Boundary Engineering Leading to Improved Thermoelectric Performance in SnTe. ACS Applied Energy Materials, 2021, 4, 14608-14617.	2.5	15
139	Effect of Seeding Sr₂KNb₅O₁₅ on the Phase Formation and Microstructural Development in Reactive Sintering of Sr₂NaNb₅O₁₅ Ceramics. Journal of the American Ceramic Society, 2008, 91, 1077-1082.	1.9	14
140	Temperature dependence piezoelectric properties of low temperature sintered PZTâ€“PFWâ€“PMN ceramics with additive LiSbO3. Journal of Alloys and Compounds, 2009, 477, 243-249.	2.8	14
141	Properties of NaNbO3 powders and ceramics prepared by hydrothermal reaction. Materials Chemistry and Physics, 2011, 126, 183-187.	2.0	14
142	Bipolar resistive switching behaviours in ZnMn2O4 film deposited on p+-Si substrate by chemical solution deposition. Bulletin of Materials Science, 2014, 37, 1657-1661.	0.8	14
143	Electrical properties and high-temperature dielectric relaxation behaviors of NaxBi(2â˜’x)/3Cu3Ti4O12 ceramics. Materials Research Bulletin, 2015, 64, 216-222.	2.7	14
144	Structural and electrical effects of Ag substitution in tungsten bronze Sr2Ag Na1â˜’Nb5O15 ceramics. Ceramics International, 2020, 46, 13997-14004.	2.3	14

#	Article	IF	Citations
145	Effects of Cu stoichiometry on the microstructure, electrical conduction, and dielectric responses of Y2/3Cu3Ti4O12. Ceramics International, 2015, 41, 11314-11322.	2.3	13
146	Multiferroic properties in Mn-modified 0.7BiFeO3-0.3(Ba0.85Ca0.15)(Zr0.1Ti0.9)O3 ceramics. Materials Research Bulletin, 2016, 84, 25-31.	2.7	13
147	Copper cadmium titanate prepared by different methods: Phase formation, dielectric properties and relaxor behaviors. Ceramics International, 2018, 44, 7814-7823.	2.3	13
148	Dielectric properties of lead-free BNT-based ferroelectric ceramics near the morphotropic phase boundary. Materials Chemistry and Physics, 2020, 256, 123639.	2.0	13
149	Excellent energy storage and discharge performances in Na_{1/2}Bi_{1/2}TiO₃-based ergodic relaxors by enlarging the [AO₁₂] cages. Journal of Materials Chemistry C, 2022, 10, 8845-8853.	2.7	13
150	Fabrication, characteristics and temperature stability of Pb(Mg1/3Nb2/3)O3â€“Pb(Sb1/3Nb2/3)O3â€“Pb(Ni1/3Nb2/3)O3â€“Pb(Zr, Ti)O3 piezoelectric actuators. Sensors and Actuators A: Physical, 2009, 151, 71-76.	2.0	12
151	Effect of sputtering power and annealing temperature on the properties of indium tin oxide thin films prepared from radio frequency sputtering using powder target. Journal of Materials Science: Materials in Electronics, 2013, 24, 3646-3651.	1.1	12
152	Pseudo-relaxor behavior in Na 1/2 Bi 1/2 Cu 3 Ti 4 O 12 ceramics. Materials Research Bulletin, 2014, 60, 212-216.	2.7	12
153	Low temperature sintering and dielectric properties of (Ba0.85Ca0.15)(Ti0.9Zr0.1)O3â^'xCu2+ ceramics obtained by the sol-gel technique. Ceramics International, 2016, 42, 18037-18044.	2.3	12
154	Tailoring Electrical Properties and the Structure Evolution of (Ba0.85Ca0.15)(Ti0.90Zr0.10)1â^'x Li4x O3 Ceramics with Low Sintering Temperature. Journal of Electronic Materials, 2016, 45, 802-811.	1.0	12
155	Effects of preparation method on the microstructure and electrical properties of tungsten bronze structure Sr2NaNb5O15 ceramics. Ceramics International, 2019, 45, 558-565.	2.3	12
156	A solâ€“gel-derived Î±-Al2O3 crystal interlayer modified 316L porous stainless steel to support TiO2, SiO2, and TiO2â€“SiO2 hybrid membranes. Journal of Materials Science, 2011, 46, 3127-3135.	1.7	11
157	Fabrication of textured Sr2Na0.9K0.1Nb5O15 ceramics: Anisotropy in structures and electrical properties. Journal of the European Ceramic Society, 2012, 32, 3773-3780.	2.8	11
158	Structural, electrical, optical properties and reliability of ultra-thin tin doped indium oxide films for touch panels. Journal of Materials Science: Materials in Electronics, 2014, 25, 1792-1797.	1.1	11
159	Structure and electrical properties of Ca0.28Ba0.72Nb2O6 ceramics with addition of rare earth oxides (CeO2, La2O3). Ceramics International, 2014, 40, 5447-5453.	2.3	11
160	Structural modulation and electrical properties in ferroelectric niobates (Ca0.28Ba0.72)2.5â^'0.5K Nb5O15 (0.0â‰¤xâ‰¤0.6) ceramics. Ceramics International, 2015, 41, 13988-13997.	2.3	11
161	Defect Complex Effect in Nb Doped TiO2 Ceramics with Colossal Permittivity. Journal of Electronic Materials, 2016, 45, 5178-5184.	1.0	11
162	The enhancing performance of (Ba0.85Ca0.15Ti0.90Zr0.10)O3 ceramics by tuning anataseâ€“rutile phase structure. Materials Research Bulletin, 2016, 76, 450-453.	2.7	11

#	Article	IF	Citations
163	Diffusion phase transition and impedance spectroscopy of Bi2O3/CuO co-doped BCZT lead-free ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 3217-3226.	1.1	11
164	Dielectric response of TiO2 ceramics: The crucial role of Ta2O5. Journal of Alloys and Compounds, 2017, 704, 64-69.	2.8	11
165	Electrical conduction behavior in nonstoichiometric BaBi Nb5O15Â±Î´ tungsten bronze ceramics. Ceramics International, 2021, 47, 22382-22389.	2.3	11
166	Preparation and properties of PZTâ€“PMNâ€“PMS ceramics by molten salt synthesis. Materials Letters, 2005, 59, 2790-2793.	1.3	10
167	Synthesis of anisometric KSr2Nb5O15 particles in the SrNb2O6â€“Nb2O5â€“KCl system. Journal of Materials Science, 2007, 42, 3627-3631.	1.7	10
168	Role of structural changes in dielectric, ferroelectric properties of Sr2KxNa1â^'xNb5O15 lead-free ceramics. Materials Chemistry and Physics, 2011, 126, 836-842.	2.0	10
169	Structure, dielectric property and impedance spectroscopy of La2/3Cu3Ti4O12 ceramics by solâ€“gel method. Journal of Materials Science: Materials in Electronics, 2016, 27, 8980-8990.	1.1	10
170	Structure, electrical properties and reaction mechanism of (Ba0.85Ca0.15)(Zr0.1Ti0.9)O3 ceramics synthesized by the molten salt method. Ceramics International, 2017, 43, 11920-11928.	2.3	10
171	Understanding the ultrahigh dielectric permittivity response in titanium dioxide ceramics. Ceramics International, 2020, 46, 2545-2551.	2.3	10
172	High energy storage and colossal permittivity CdCu3Ti4O12 oxide ceramics. Ceramics International, 2022, 48, 4255-4260.	2.3	10
173	Bi0.5Na0.5TiO3-based ceramics with high energy storage density and good thermal stability. Journal of Materials Science: Materials in Electronics, 2022, 33, 2012-2019.	1.1	10
174	High energy storage performance of Ca0.15(Sr0.6Ba0.4)0.85Nb2-Ta O6 relaxor ferroelectric ceramics. Ceramics International, 2022, 48, 28382-28390.	2.3	10
175	Effect of Sintering Process on Characteristics of Multilayer Piezoelectric Pb(Mg1/3Nb2/3)O3â€“Pb(Zn1/3Nb2/3)O3â€“Pb(Zr,Ti)O3Ceramic Transformers. Japanese Journal of Applied Physics, 2007, 46, 6746-6750.	0.8	9
176	Piezoelectric, dielectric and magnetic properties of (1â€“x)Pb[Zr, Ti, (Mg1/2W1/2), (Ni1/3Nb2/3)]O3+x(Ni,) Tj ETQq0 0 0 rgBT /Overlock	1.0	9
177	Structural evolution, electrical and optical properties of AZO films deposited by sputtering ultra-high density target. Bulletin of Materials Science, 2014, 37, 895-902.	0.8	9
178	Structure and electrical properties of textured Sr1.85Ca0.15NaNb5O15 ceramics prepared by the reactive templated grain growth. Materials Research Bulletin, 2014, 52, 65-69.	2.7	9
179	Aging behavior and electrical properties of low-temperature sintered (Ba, Ca)(Ti, Zr)O 3 -Ba(Cu, W)O 3 ceramics and plate loudspeaker. Sensors and Actuators A: Physical, 2016, 237, 9-19.	2.0	9
180	Dielectric response, impedance spectroscopy and scaling behavior of K-doped Y 2/3 Cu 3 Ti 4 O 12 ceramics. Materials Chemistry and Physics, 2015, 167, 103-111.	2.0	8

#	Article	IF	Citations
181	Photoluminescence and ferroelectric behaviors related to Sr/Ba ratio in Eu3+ doped (Sr) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 7 2019, 780, 355-363.	2.8	8
182	Comprehensive analysis of direct and converse magnetoelectric effects in S-S mode bilayered composites. Journal of Magnetism and Magnetic Materials, 2020, 501, 166411.	1.0	8
183	Improved grain boundary resistance inducing decreased dielectric loss and colossal permittivity in Y2/3Cu3Ti4O12 ceramics. Materials Chemistry and Physics, 2022, 283, 125874.	2.0	8
184	Significantly Enhanced Thermoelectric Performance Achieved in CuGaTe₂ through Dual-Element Permutations at Cation Sites. ACS Applied Materials & Interfaces, 2022, 14, 30046-30055.	4.0	8
185	Controllable synthesis of (Ba0.85Ca0.15)(Zr0.1Ti0.9)O3 submicron sphere by hydroxide co-precipitation method. Ceramics International, 2020, 46, 28285-28291.	2.3	7
186	Effects of Bi substitution on the structures, electrical properties, and transparency of Sr2Na1â^'3Bi Nb5O15 ceramics. Materials Research Bulletin, 2020, 124, 110774.	2.7	7
187	Narrow-band red emitting oxonitridosilicate phosphor La4â^'xSr2+xSi5N12â^'xOx:Pr3+ (x â‰ˆ 1.69). Chemical Communications, 2021, 57, 3761-3764.	2.2	7
188	Low dielectric loss, colossal permittivity, and high breakdown electric field in Al-doped Y2/3Cu3Ti4O12 ceramics. Ceramics International, 2022, 48, 21906-21912.	2.3	7
189	Electric response and improved dielectric properties in BiCu3Ti3FeO12. Journal of Alloys and Compounds, 2018, 734, 9-15.	2.8	6
190	Low-temperature synthesis of CdCu3Ti4O12 powders with high dielectric permittivities. Ceramics International, 2019, 45, 11899-11904.	2.3	6
191	A new family of high temperature stability and ultra-fast chargeâ€“discharge KNN-based lead-free ceramics. Journal of Materials Science, 0, , 1.	1.7	6
192	Electrical characteristics of central driving type piezoelectric transformers with different electrode distributing. Sensors and Actuators A: Physical, 2007, 136, 341-346.	2.0	5
193	Intrinsic and extrinsic dielectric responses in BiCu3Ti3FeO12 ceramics. Ceramics International, 2015, 41, 3672-3676.	2.3	5
194	Electrical Characterization Induced by Structural Modulation inâ£(Ca0.28Ba0.72)2.5â€“0.5x (Na0.5K0.5) x Nb5O15 Ceramics. Journal of Electronic Materials, 2016, 45, 104-115.	1.0	5
195	Comprehensive investigation on direct and converse magnetoelectric effects in longitudinally magnetized and polarized laminate composites by equivalent circuit and experiments. Journal of Materials Science: Materials in Electronics, 2018, 29, 17706-17713.	1.1	5
196	Enhanced relaxation behavior in Bi₂O₃ modified (Ba_{0.85}Ca_{0.15})(Zr_{0.1}Ti_{0.9})O<sub>3 ceramics. Journal of the Ceramic Society of Japan, 2018, 126, 440-446.		
197	Improved electrical properties and good thermal luminescent stability of Sm3+-doped Sr1.90Ca0.15Na0.90Nb5O15 multifunctional ceramics. Journal of Materials Science: Materials in Electronics, 2019, 30, 13372-13380.	1.1	5
198	High Permittivity, Low Dielectric Loss and Impedance Characteristics of Li0.5La0.5Cu3Ti4O12 Ceramics by a Solâ€“Gel Technique. Journal of Electronic Materials, 2019, 48, 5333-5341.	1.0	5

#	Article	IF	Citations
199	Structure, electrical properties and energy storage performance of BNKT-BMN ceramics. Journal of Materials Science: Materials in Electronics, 0, , 1.	1.1	5
200	The Properties of BaSn_{0.15}Ti_{0.85}O₃ Thin Film Prepared by Radio Frequency Magnetron Sputtering from Powder Target. Journal of the American Ceramic Society, 2010, 93, 2972-2974.	1.9	4
201	Effect of LiSbO3 on the phase structure, microstructure and electric properties of Sr0.53Ba0.47Nb2O6 ceramics. Journal of Alloys and Compounds, 2011, 509, 7247-7252.	2.8	4
202	Effects of Fe2O3 Additive on the Structure and Piezoelectric Properties of PZT-PFW-PMN Ceramics. Journal of Electronic Materials, 2015, 44, 258-262.	1.0	4
203	First-principles calculations of electrical properties, structure, and phase transition of K_{1â^'x}Na_xNbO₃ solid solutions. Physical Chemistry Chemical Physics, 2017, 19, 27368-27373.	1.3	4
204	Higher Curie Temperature and Enhanced Piezoelectrical Properties in (Ba0.85Ca0.15â^'xPbx)(Zr0.1Ti0.90â^'ySny)O3 Ceramics. Journal of Electronic Materials, 2018, 47, 6121-6127.	1.0	4
205	High transparency and good electric properties in low symmetry BNT-based ceramics. Solid State Sciences, 2022, 129, 106906.	1.5	4
206	Structure and electric properties of NaxLa(2â^'x)/3Cu3Ti4O12 ceramics prepared by solâ€“gel method. Journal of Materials Science: Materials in Electronics, 2018, 29, 9326-9338.	1.1	3
207	Enhanced thermoelectric performance of n-type (PbSe)n(Sb2Te3) pseudo-binary via Zn filling and Ag2Se compositing. Journal of Alloys and Compounds, 2022, 907, 164416.	2.8	3
208	High density and low resistivity AZO:Si ceramic targets fabricated by slip casting and pressureless sintering using submicron powders. Journal of Materials Science: Materials in Electronics, 2015, 26, 3819-3826.	1.1	2
209	Enhanced intrinsic permittivity and bulk response in Y2/3Cu3Ti4+O12 ceramics. Ceramics International, 2016, 42, 13242-13247.	2.3	2
210	Structure and Electrical Properties of Sr1.85Ca0.15NaNb5O15 Ceramics with Addition of Multivalence Oxides (MnO2, PbO2). Journal of Electronic Materials, 2017, 46, 5967-5977.	1.0	2
211	Synthesis and luminescence properties of new nitridolithosilicate phosphor La₄Ba₃Li₃Si₉N₁₉:Pr³⁺ grown in Li flux. Chemical Communications, 2022, , .	2.2	2
212	Boosting the Thermoelectric Performance of Zinc blende-like Cu2SnSe3 through Phase Structure and Band Structure Regulations. Journal of Materials Chemistry A, 0, , .	5.2	2
213	New Rare Earth(III) Complexes with H2tmtaa. Chinese Journal of Chemistry, 2006, 24, 1363-1367.	2.6	1
214	Study on Needles and Cracks of Tin-doped Indium Oxide Tablets for Electron Beam Evaporation Process. Materials Research, 2015, 18, 519-524.	0.6	1
215	Effects of ZnO Content on Piezoelectric, Dielectric, and Magnetic Properties of Sr-Modified PZTâ€“PMWâ€“PNN/(Ni-Co-Cu) ME Composites. Journal of Electronic Materials, 2015, 44, 3415-3421.	1.0	1
216	Dielectric responses of Na0.65Bi0.45Cu3Ti4O12 ceramics based on the composition design of changing the Na/Bi ratio. Journal of Materials Science: Materials in Electronics, 2016, 27, 2221-2227.	1.1	1

#	Article	IF	Citations
217	Direct and converse magnetoelectric effects of sandwiched composites worked in shear-shear mode studied by uniform equivalent circuit. AIP Advances, 2019, 9, 105315.	0.6	1
218	Study on low temperature sintering and electrical properties of CuO-doped Ca0.28Ba0.72Nb2O6 ceramics. Journal of Materials Science: Materials in Electronics, 2014, 25, 1605-1611.	1.1	0