Xiang Ming Chen

List of Publications by Year
in descending order

271 papers	6,680 citations	61857 43 h-index	110170 64 g-index
274 all docs	274 docs citations	274 times ranked	3898 citing authors

#	Article	IF	Citations
1	Enhanced energy storage density of Ba0.4Sr0.6TiO3â€“MgO composite prepared by spark plasma sintering. Journal of the European Ceramic Society, 2015, 35, 1469-1476.	2.8	220
2	Near room-temperature multiferroic materials with tunable ferromagnetic and electrical properties. Nature Communications, 2014, 5, 4021.	5.8	152
3	Enhancement of Giant Dielectric Response in CaCu₃Ti₄O₁₂ Ceramics by Zn Substitution. Journal of the American Ceramic Society, 2010, 93, 184-189.	1.9	140
4	Improved Structure Stability and Multiferroic Characteristics in <scp><scp>CaTiO</scp>₃</scp>â€Modified <scp><scp>BiFeO</scp>₃</scp> Ceramics. Journal of the American Ceramic Society, 2012, 95, 670-675.	1.9	129
5	Dielectric, Ferromagnetic Characteristics, and Roomâ€Temperature Magnetodielectric Effects in Double Perovskite La₂CoMnO₆ Ceramics. Journal of the American Ceramic Society, 2011, 94, 782-787.	1.9	120
6	Relaxorlike dielectric behavior and weak ferromagnetism in YFeO3 ceramics. Journal of Applied Physics, 2008, 103, .	1.1	112
7	CaTiO₃ linear dielectric ceramics with greatly enhanced dielectric strength and energy storage density. Journal of the American Ceramic Society, 2018, 101, 1999-2008.	1.9	110
8	Effects of Mg/Si Ratio on Microwave Dielectric Characteristics of Forsterite Ceramics. Journal of the American Ceramic Society, 2007, 90, 1808-1811.	1.9	107
9	Modification of MgAl2O4Microwave Dielectric Ceramics by Zn Substitution. Journal of the American Ceramic Society, 2007, 90, 1483-1486.	1.9	101
10	Enhanced Electrocaloric Effects in Spark Plasmaâ€Sintered <scp><scp>Ba</scp></scp>_{0.65}<scp><scp>Sr</scp></scp>_{0.35}<scp><scp>TiO</scp></scp>₃ Ceramics at Room Temperature. Journal of the American Ceramic Society, 2013, 96, 1021-1023.	1.9	103
11	Structural evolution of SrLaAl_{1â^'x}(Zn_{0.5}Ti_{0.5})_xO₄ ceramics and effects on their microwave dielectric properties. Journal of Materials Chemistry C, 2016, 4, 4684-4691.	2.7	96
12	Structural Dependence of Microwave Dielectric Properties of SrRAlO₄ (R = Sm, Nd, La) Ceramics: Crystal Structure Refinement and Infrared Reflectivity Study. Chemistry of Materials, 2008, 20, 4092-4098.	3.2	95
13	From coreâ€“shell Ba_{0.4}Sr_{0.6}TiO₃@SiO₂ particles to dense ceramics with high energy storage performance by spark plasma sintering. Journal of Materials Chemistry A, 2018, 6, 4477-4484.	5.2	92
14	Hybrid improper ferroelectricity in Ruddlesden-Popper Ca3(Ti,Mn)2O7 ceramics. Applied Physics Letters, 2015, 106, .	1.5	82
15	Readdressing of Magnetoelectric Effect in Bulk BiFeO₃. Advanced Functional Materials, 2017, 27, 1604037.	7.8	80
16	Dielectric Ceramics with Tungsten-bronze Structure in the BaOâ€“Nd₂O₃â€“TiO₂â€“Nb₂O₅ System. Journal of Materials Research, 2002, 17, 1664-1670.	1.2	79
17	Ferroelectric Transition and Lowâ€Temperature Dielectric Relaxations in Filled Tungsten Bronzes. Journal of the American Ceramic Society, 2014, 97, 329-338.	1.9	77
18	Sr₂LaAlTiO₇: a new Ruddlesdenâ€“Popper compound with excellent microwave dielectric properties. Journal of Materials Chemistry C, 2016, 4, 1720-1726.	2.7	74

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19	Enhanced dielectric and ferroelectric characteristics in Ca-modified BaTiO3 ceramics. AIP Advances, 2013, 3, .	0.6	72
20	Plastic deformation and effects of water in roomâ€temperature cold sintering of NaCl microwave dielectric ceramics. Journal of the American Ceramic Society, 2018, 101, 4038-4043.	1.9	72
21	Preparation and microwave dielectric properties of cristobalite ceramics. Ceramics International, 2012, 38, 4511-4515.	2.3	69
22	Aâ€•and B Site Cosubstituted Ba_{6â^'3x}Sm_{8+2x}Ti₁₈O₅₄Microwave Dielectric Ceramics. Journal of the American Ceramic Society, 2002, 85, 579-584.	1.9	65
23	Dielectric anomalies in (BaxSr1â^'x)4Nd2Ti4Nb6O30 ceramics with various radius differences between A1- and A2-site ions. Applied Physics Letters, 2007, 91, .	1.5	63
24	Dielectric relaxations of yttrium iron garnet ceramics over a broad temperature range. Applied Physics Letters, 2007, 91, 092912.	1.5	59
25	Effects of Mg Substitution on Microstructures and Microwave Dielectric Properties of Ba(Zn_{1/3}Nb_{2/3})O₃ Perovskite Ceramics. Journal of the American Ceramic Society, 2010, 93, 787-795.	1.9	59
26	Origin of the magnetization and compensation temperature in rare-earth orthoferrites and orthochromates. Physical Review B, 2016, 93, .	1.1	59
27	Microstructures and Microwave Dielectric Characteristics of CaRAlO₄ (R = Nd, Sm, Y) Ceramics with Tetragonal K₂NiF₄ Structure. Journal of the American Ceramic Society, 2004, 87, 2143-2146.	1.9	56
28	Giant dielectric response in two-dimensional charge-ordered nickelate ceramics. Journal of Applied Physics, 2008, 104, 054114.	1.1	55
29	Improper electric polarization in simple perovskite oxides with two magnetic sublattices. Nature Communications, 2017, 8, 14025.	5.8	53
30	Microstructure and Microwave Dielectric Properties of (1â^'x)Ca(Mg_{1/3}Ta_{2/3})O₃/xCaTiO₃Ceramics. Journal of the American Ceramic Society, 2008, 91, 1163-1168.	1.9	52
31	SrLnAlO4 (Ln=Nd and Sm) Microwave Dielectric Ceramics. , 2003, 10, 111-115.		51
32	Effects of oxygen vacancies on dielectric, electrical, and ferroelectric properties of Ba₄Nd₂Fe₂Nb₈O₃₀ ceramics. Applied Physics Letters, 2014, 104, 082912.	1.5	51
33	Atomistic theory of hybrid improper ferroelectricity in perovskites. Physical Review B, 2014, 89, .	1.1	51
34	Hybrid Improper Ferroelectricity in Multiferroic Superlattices: Finiteâ€Temperature Properties and Electricâ€Fieldâ€Driven Switching of Polarization and Magnetization. Advanced Functional Materials, 2015, 25, 3626-3633.	7.8	49
35	B2O3-modified fused silica microwave dielectric materials with ultra-low dielectric constant. Journal of the European Ceramic Society, 2015, 35, 1799-1805.	2.8	49
36	A thermodynamic potential, energy storage performances, and electrocaloric effects of Ba1-xSrxTiO3 single crystals. Applied Physics Letters, 2018, 112, .	1.5	49

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37	Structure and dielectric relaxation of double-perovskite La2CuTiO6 ceramics. Journal of Applied Physics, 2010, 107, .	1.1	46
38	Enhanced energy storage density and its variation tendency in CaZr Ti1â˜'O3 ceramics. Journal of Alloys and Compounds, 2016, 688, 687-691.	2.8	46
39	Crystal structure, ferroelectricity and polar order in a Ba₄R₂Zr₄Nb₆O₃₀ (R = La, Nd, Sm) tetragonal tungsten bronze new system. Journal of Materials Chemistry C, 2017, 5, 4009-4016.	2.7	45
40	Ferroelectric phase transition and low-temperature structure fluctuations in Ba4Nd2Ti4Nb6O30 tungsten bronze ceramics. Journal of Applied Physics, 2009, 105, .	1.1	44
41	Thermal hysteresis of ferroelectric transition in Sr4R2Ti4Nb6O30 (R=Sm and Eu) tetragonal tungsten bronzes. Applied Physics Letters, 2010, 96, .	1.5	44
42	Crystal Structure and Dielectric Properties of Sr5RTi3Nb7O30 (R=La, Nd, Sm, and Eu) Tungsten Bronze Ceramics. Journal of the American Ceramic Society, 2011, 94, 1829-1836.	1.9	44
43	Effects of A1/A2â€Sites Occupancy upon Ferroelectric Transition in (<scp><scp>Sr</scp></scp>_x<scp><scp>Ba</scp></scp>_{1â˜'x})<scp><scp>Nb</scp></scp><scp><su Tungsten Bronze Ceramics. Journal of the American Ceramic Society, 2014, 97, 507-512.	1.9	44
44	Microstructures and Microwave Dielectric Characteristics of Ca(Zn1/3Nb2/3)O3 Complex Perovskite Ceramics. Journal of the American Ceramic Society, 2004, 87, 2208-2212.	1.9	43
45	Re-entrant relaxor behavior of Ba5RTi3Nb7O30 (Râ€‰=â€‰La, Nd, Sm) tungsten bronze ceramics. Applied Physics Letters, 2013, 102, .	1.5	43
46	Dielectric ceramics in the BaOâ€“Sm2O3â€“TiO2â€“Ta2O5 quaternary system. Journal of Materials Research, 2000, 15, 125-129.	1.2	42
47	Structure evolution and piezoelectric properties across the morphotropic phase boundary of Sm-substituted BiFeO3 ceramics. Journal of Applied Physics, 2016, 119, .	1.1	42
48	Tungsten bronze type dielectrics in SrO-Sm2O3-TiO2-Nb2O5 system and their dielectric anomaly. Journal of Applied Physics, 2004, 96, 7435-7439.	1.1	41
49	Microwave Dielectric Properties of Fused Silica Prepared by Different Approaches. International Journal of Applied Ceramic Technology, 2014, 11, 193-199.	1.1	41
50	Relaxor ferroelectric characteristics of Ba5LaTi3Nb7O30 tungsten bronze ceramics. Applied Physics Letters, 2012, 100, 012902.	1.5	40
51	Effects of chemical and hydrostatic pressures on structural, magnetic, and electronic properties of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>R</mml:mi><mml:mn>2</mml:mn></mml mathvariant="normal">O</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:mrow></mml:math><mml:math	1.1	40

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55	Effects of <scp><scp>Mg</scp></scp> Substitution on Order/disorder Transition, Microstructure, and Microwave Dielectric Characteristics of <scp><scp>Ba</scp></scp>((<scp><scp>Co</scp></scp>_{0.6}<scp><scp>Zn</scp></scp>_{0.4})_{1/3} Complex Perovskite Ceramics. Journal of the American Ceramic Society, 2013, 96, 1795-1800.	1.9	38
56	Electric-field-induced phase transition and pinched Pâ€“E hysteresis loops in Pb-free ferroelectrics with a tungsten bronze structure. NPG Asia Materials, 2018, 10, 71-81.	3.8	38
57	Temperature-stable giant dielectric response in orthorhombic samarium strontium nickelate ceramics. Journal of Applied Physics, 2009, 105, .	1.1	37
58	Effects of Nd-substitution on microstructures and dielectric characteristics of CaCu3Ti4O12 ceramics. Journal of Materials Science: Materials in Electronics, 2011, 22, 345-350.	1.1	37
59	Effects of Ca-substitution on structural, dielectric, and ferroelectric properties of Ba₅SmTi₃Nb₇O₃₀ tungsten bronze ceramics. Applied Physics Letters, 2012, 101, 042906.	1.5	37
60	Sr(Ga_{0.5}Nb_{0.5})_{1â^'x}Ti_xO₃ Lowâ€Loss Microwave Dielectric Ceramics with Medium Dielectric Constant. Journal of the American Ceramic Society, 2015, 98, 2534-2540.	1.9	37
61	Sr_{n+1}Ti_nO_{3n+1} (n=1, 2) microwave dielectric ceramics with medium dielectric constant and ultraâ€low dielectric loss. Journal of the American Ceramic Society, 2017, 100, 496-500.	1.9	37
62	Room-temperature-densified H3BO3 microwave dielectric ceramics with ultra-low permittivity and ultra-high Qf value. Journal of Materiomics, 2020, 6, 233-239.	2.8	37
63	Structure and Microwave Dielectric Properties of Solid Solution in <scp>SrLaAlO₄â€Sr₂TiO₄</scp> System. Journal of the American Ceramic Society, 2011, 94, 3948-3952.	1.9	36
64	Symmetry Modulation and Enhanced Multiferroic Characteristics in Bi 1â€•x Nd x FeO 3 Ceramics. Advanced Functional Materials, 2019, 29, 1806399.	7.8	36
65	Synthesis and Dielectric Properties of Layer-structured Compounds Anâ^'3Bi4TinO3n+3 (A = Ba, Sr, Ca) with n > 4. Journal of Materials Research, 2005, 20, 2354-2359.	1.2	35
66	A Novel Roomâ€Temperature Multiferroic System of Hexagonal Lu_{1â^'}_xIn_xFeO₃. Advanced Functional Materials, 2018, 28, 1706062.	7.8	34
67	Analysis of Infrared Reflection Spectra of (Mg_{1â^'x}Zn_x)Al₂O₄ Microwave Dielectric Ceramics. Journal of the American Ceramic Society, 2008, 91, 490-493.	1.9	33
68	Structure and Microwave Dielectric Characteristics of Ca_{1+x}Nd_{1â^'x}Al_{1â^'x}Ti_xO₄ Ceramics. Journal of the American Ceramic Society, 2009, 92, 2286-2290.	1.9	33
69	Structural Evolution and Its Effects on Dielectric Loss in Sr1+xSm1â^'xAl1â^'xTixO4 Microwave Dielectric Ceramics. Journal of the American Ceramic Society, 2011, 94, 2506-2511.	1.9	33
70	Structures and microwave dielectric properties of Ba6â^'3x(Nd,Biy)8+2xTi18O54 (x = 2/3) solid solution. Journal of Materials Research, 2001, 16, 1734-1738.	1.2	32
71	Magnetodielectric effects of Y3Fe5â^'xTixO12+x/2 ceramics. Applied Physics Letters, 2012, 100, .	1.5	32
72	Ferroelectric Transition of <scp><scp>Sr</scp></scp>₅<scp><scp>SmTi</scp></scp>₃<scp><scp>Nb</scp></scp>₇<scp> Tungsten Bronze Ceramics Investigated Using Differential Scanning Calorimetry and Raman Scattering. Journal of the American Ceramic Society, 2012, 95, 3185-3191.	1.9	31

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73	Dielectric relaxation mechanisms of BiMn2O5 ceramics. Journal of Applied Physics, 2009, 105, .	1.1	30
74	Formation mechanism of NaNbO3 powders during hydrothermal synthesis. Journal of Materials Science: Materials in Electronics, 2010, 21, 450-455.	1.1	29
75	Hybrid improper ferroelectricity in B-site substituted Ca3Ti2O7: The role of tolerance factor. Applied Physics Letters, 2018, 113, .	1.5	29
76	Effects of Ca/Ti Cosubstitution upon Microwave Dielectric Characteristics of CaSmAlO₄Ceramics. Journal of the American Ceramic Society, 2009, 92, 433-438.	1.9	28
77	Relaxor nature in Ba₅RZr₃Nb₇O₃₀ (RÂ=ÂLa, Nd, Sm) tetragonal tungsten bronze new system. Journal of the American Ceramic Society, 2018, 101, 1623-1631.	1.9	28
78	Solâ€“Gel Preparation of BaTi₄O₉ and Ba₂Ti₉O₂₀. Journal of the American Ceramic Society, 2001, 84, 669-671.	1.9	27
79	Transparent Barium Strontium Titanate Ceramics Prepared by Spark Plasma Sintering. Journal of the American Ceramic Society, 2011, 94, 1343-1345.	1.9	27
80	Polyvinylidene fluoride-modified BaTiO3 composites with high dielectric constant and temperature stability. Ceramics International, 2013, 39, S3-S7.	2.3	26
81	Enhanced ferroelectric properties in Bi0.86Sm0.14FeO3â€“based ceramics. Applied Physics Letters, 2014, 105, 192902.	1.5	26
82	Crystal structural evolution and hybrid improper ferroelectricity in Ruddlesden-Popper Ca3-xSrxTi2O7 ceramics. Journal of Applied Physics, 2018, 123, .	1.1	26
83	Adhesive-Bonded Ca(Mg1/3Nb2/3)O3/Ba(Zn1/3Nb2/3)O3 Layered Dielectric Resonators with Tunable Temperature Coefficient of Resonant Frequency. Journal of the American Ceramic Society, 2006, 89, 544-549.	1.9	25
84	Characterization of MgTiO3-CaTiO3-Layered Microwave Dielectric Resonators with TE01delta Mode. Journal of the American Ceramic Society, 2006, 89, 557-561.	1.9	25
85	Crystal structure evolution and local symmetry of perovskite solid solution Ba[(Fe1/2Nb1/2)1â^'xTix]O3 investigated by Raman spectra. Journal of Applied Physics, 2011, 110, .	1.1	25
86	Effects of water content during cold sintering process of NaCl ceramics. Journal of Alloys and Compounds, 2019, 787, 352-357.	2.8	25
87	Room temperature multiferroic Ba4Bi2Fe2Nb8O30: Structural, dielectric, and magnetic properties. Journal of Applied Physics, 2010, 108, 014111.	1.1	24
88	Effects of <scp><scp>Al</scp></scp> Substitution on Dielectric Response and Magnetic Behavior of Yttrium Iron Garnet Ceramics. Journal of the American Ceramic Society, 2012, 95, 1671-1675.	1.9	24
89	Piezoelectric and Dielectric Properties of Multilayered BaTiO₃/(Ba,Ca)TiO₃/CaTiO₃ Thin Films. ACS Applied Materials & Interfaces, 2016, 8, 22309-22315.	4.0	24
90	Ferroelectric and magnetic properties in (1â^'x)BiFeO₃â€“x(0.5CaTiO₃â€“0.5SmFeO₃) ceramics. Journal of the American Ceramic Society, 2017, 100, 4045-4057.	1.9	24

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91	Effects of B site ions on the relaxor to normal ferroelectric transition crossover in Ba4Sm2Zr4(NbxTa1-x)6O30 tungsten bronze ceramics. Applied Physics Letters, 2018, 112, .	1.5	24
92	Dielectric characteristics and diffuse ferroelectric phase transition in Sr4La2Ti4Nb6O30 tungsten bronze ceramics. Journal of Materials Research, 2006, 21, 1787-1792.	1.2	23
93	Microstructures and Microwave Dielectric Properties of the CaSmAlO₄â€Based Ceramics. Journal of the American Ceramic Society, 2008, 91, 2917-2922.	1.9	23
94	Dielectric relaxations, ultrasonic attenuation, and their structure dependence in Sr4(LaxNd1-x)2Ti4Nb6O30 tungsten bronze ceramics. Journal of Materials Research, 2008, 23, 3112-3121.	1.2	23
95	Effect of (Sr0.7Ca0.3)TiO3-substitution on structure, dielectric, ferroelectric, and magnetic properties of BiFeO3 ceramics. Journal of Applied Physics, 2016, 119, .	1.1	23
96	SrLa(R_{0.5}Ti_{0.5})O₄ (R=Mg, Zn) microwave dielectric ceramics with complex K₂NiF₄â€type layered perovskite structure. Journal of the American Ceramic Society, 2017, 100, 2582-2589.	1.9	23
97	Cold sintering and microwave dielectric properties of dense <scp>HBO</scp>₂â€<scp>II</scp> ceramics. Journal of the American Ceramic Society, 2019, 102, 5934-5940.	1.9	22
98	Dense YMn₂O₅ Ceramics Prepared by Spark Plasma Sintering. Journal of the American Ceramic Society, 2008, 91, 3728-3730.	1.9	21
99	Effect of Aâ€Site Ionic Radius on the Structure and Microwave Dielectric Characteristics of Sr_{1+x}Sm_{1â^'x}Al_{1â^'x}Ti_xO₄ Ceramics. International Journal of Applied Ceramic Technology, 2010, 7, E156.	1.1	21
100	SrLn₂Al₂O₇ (LnÂ=ÂLa, Nd, Sm) Microwave Dielectric Ceramic New Materials. International Journal of Applied Ceramic Technology, 2013, 10, E177.	1.1	21
101	Effects of structural transition on microwave dielectric properties of Sr3(Ti1-Sn)2O7 ceramics. Journal of the European Ceramic Society, 2019, 39, 4794-4799.	2.8	21
102	Microstructures and multiferroic properties of YFe1â^'x Mn x O3 ceramics prepared by spark plasma sintering. Journal of Materials Science: Materials in Electronics, 2010, 21, 838-843.	1.1	20
103	Structure Evolution and Enhanced Microwave Dielectric Characteristics of (Sr_{1â^'x}Ca_x)La₂Al₂O₇ Ceramics. Journal of the American Ceramic Society, 2014, 97, 3531-3536.	1.9	20
104	Chest Tube Drainage Circuitry in Mammals. Veterinary Surgery, 2005, 34, 537-537.	0.5	19
105	Improvement of Microwave Dielectric Characteristics in SrLaAlO₄ Ceramics by Ca Substitution. Journal of the American Ceramic Society, 2010, 93, 4066-4070.	1.9	19
106	Crystal structures, dielectric properties, and phase transition in hybrid improper ferroelectric Sr3Sn2O7-based ceramics. Journal of Applied Physics, 2019, 125, .	1.1	19
107	Terfenol-D/Pb(Zr,Ti)O3 Disk-Ring Multiferroic Heterostructures Coupled Through Normal Stresses. Applied Physics A: Materials Science and Processing, 2010, 98, 761-764.	1.1	18
108	Crystal Structure and Ferroelectric Behaviors of Ba₅SmTi₃Ta₇O₃₀ and Ba₄Sm₂Ti₄Ta₆O₃₀ Tungsten Bronze Ceramics. Journal of the American Ceramic Society, 2010, 93, 782-786.	1.9	18

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109	Dielectric and Ferroelectric Characteristics of Ba₅NdFe_{1.5}Nb_{8.5}O₃₀ Tungsten Bronze Ceramics. Journal of the American Ceramic Society, 2010, 93, 3573-3576.	1.9	18
110	Structure and microwave dielectric properties of Ba[(Mg 1â^'x Ni x) 1/3 Nb 2/3]O 3 ceramics. Materials Research Bulletin, 2015, 72, 291-298.	2.7	18
111	Effects of oxygen-deficiency on crystal structure, dielectric and ferroelectric properties in Sr₅SmTi_{3+2x}Nb_{7â^'2x}O_{30â^'x} with tungsten bronze structure. RSC Advances, 2017, 7, 27370-27376.	1.7	18
112	Structure and microwave dielectric characteristics of Sr₂[Ti_{1â^'}_x(Al_{0.5}Nb_{0.5})_x_{1/2}]O₄ (xÂá‰Â0.50) ceramics. Journal of the American Ceramic Society, 2019, 102, 6137-6146.	1.9	18
113	Preparation of Ba6â^'3xNd8+2xTi18O54 via Ethylenediaminetetraacetic Acid Precursor. Journal of the American Ceramic Society, 2004, 83, 2893-2895.	1.9	17
114	Dielectric and ferroelectric properties of Ba_{1â^'x}Sr_xTiO₃ceramics: effects of grain size and ferroelectric domain. Advances in Applied Ceramics, 2013, 112, 270-276.	0.6	17
115	Preparation, Dielectric, and Magnetic Characteristics of <scp><scp>LuFe</scp></scp>₂<scp><scp>O</scp></scp>₄ Ceramics. Journal of the American Ceramic Society, 2013, 96, 2506-2509.	1.9	17
116	Giant room-temperature magnetodielectric coupling in spark plasma sintered brownmillerite ceramics. Applied Physics Letters, 2014, 105, .	1.5	17
117	Dielectric and ferroelectric characteristics of [(Bi0.5Na0.5)0.94Ba0.06]1â^'xSrxTiO3 ceramics. Journal of Materials Science: Materials in Electronics, 2014, 25, 1517-1526.	1.1	17
118	Densification and microwave dielectric properties of Ca1.15Sm0.85Al0.85Ti0.15O4 ceramics with B2O3 addition. Journal of Alloys and Compounds, 2015, 653, 351-357.	2.8	17
119	Structure and microwave dielectric characteristics of Sr(La_{1â^'x}Sm_x)₂Al₂O₇ ceramics. RSC Advances, 2016, 6, 96229-96236.	1.7	17
120	Structure and microwave dielectric properties of SrLa[Al1â^'x(Mg0.5Ti0.5)x]O4 (x = 0.2â€“0.8) ceramics. Ceramics International, 2018, 44, 1984-1990.	2.3	17
121	Preparation and microwave dielectric properties of B₂O₃ bulk. International Journal of Applied Ceramic Technology, 2019, 16, 2047-2052.	1.1	17
122	Structure evolution and improved microwave dielectric characteristics in CaTi1-x(Al0.5Nb0.5)xO3 ceramics. Journal of Alloys and Compounds, 2020, 845, 155435.	2.8	17
123	Dense gypsum ceramics prepared by room-temperature cold sintering with greatly improved mechanical properties. Journal of the European Ceramic Society, 2020, 40, 4689-4693.	2.8	17
124	Phase transition hysteresis of ferroelectric Sr5EuTi3Nb7O30 ceramics with tetragonal tungsten bronze structure. Journal of Applied Physics, 2012, 111, 044104.	1.1	16
125	Giant dielectric response in (Sm1â^'xNdx)1.5Sr0.5NiO4 ceramics: The intrinsic and extrinsic effects. Journal of Applied Physics, 2012, 112, 024104.	1.1	16
126	Relaxor nature in lead-free Sr5LaTi3Nb7O30 tetragonal tungsten bronze ceramics. Journal of Applied Physics, 2013, 114, .	1.1	16

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127	Frequencyâ€Dependent Qf Value of Microwave Dielectric Ceramics. Journal of the American Ceramic Society, 2014, 97, 3041-3043.	1.9	16
128	Incommensurate and commensurate modulations of Ba5RTi3Nb7O30 (Râ€‰=â€‰La, Nd) tungsten bronzes and the ferroelectric domain structures. Journal of Applied Physics, 2015, 117, 134108.	1.1	16
129	Measurement Error of Temperature Coefficient of Resonant Frequency for Microwave Dielectric Materials by $mathrm{TE}_{mathrm {01delta }}$ -Mode Resonant Cavity Method. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 3781-3786.	2.9	16
130	Dielectric and ferroelectric characteristics of Ba 4 Pr 2 Fe 2 Nb 8 O 30 tungsten bronze ceramics. Materials Chemistry and Physics, 2016, 181, 47-53.	2.0	16
131	Determination of 1:2 Ordered Domain Boundaries in Ba[(Co, Zn_,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td (M Ceramic Society, 2016, 99, 1299-1304.	1.9	16
132	Improved hybrid improper ferroelectricity in B-site substituted Ca3Ti2O7 ceramics with a Ruddlesdenâ€“Popper structure. Journal of Applied Physics, 2020, 128, .	1.1	16
133	Enhanced hybrid improper ferroelectricity in Sr3â^'xBaxSn2O7 ceramics with a Ruddlesdenâ€“Popper (Râ€“P) structure. Applied Physics Letters, 2020, 116, .	1.5	16
134	Toughening of 8Y-FSZ Ceramics by Neodymium Titanate Secondary Phase. Journal of the American Ceramic Society, 2005, 88, 456-458.	1.9	15
135	Synthesis and dielectric characteristics of La0.5Bi0.5MnO3 ceramics. Applied Physics A: Materials Science and Processing, 2009, 97, 191-194.	1.1	15
136	Crystal Structure and Infrared Reflection Spectra of SrLn₂Al₂O₇ (Ln = La, Nd, Sm) Microwave Dielectric Ceramics. International Journal of Applied Ceramic Technology, 2015, 12, E33.	1.1	15
137	Hybrid improper ferroelectricity and possible ferroelectric switching paths in Sr3Hf2O7. Journal of Applied Physics, 2019, 125, .	1.1	15
138	Energy storage properties in Ba₅LaTi₃Ta₇O₃₀ tungsten bronze ceramics. Journal of the American Ceramic Society, 2019, 102, 3438-3447.	1.9	15
139	On the measured dielectric constant of amorphous boron nitride. Nature, 2021, 590, E6-E7.	13.7	15
140	Stability and microwave dielectric characteristics of (Ca1â^'x Sr x)LaAlO4 ceramics. Journal of Electroceramics, 2008, 21, 154-159.	0.8	14
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