Xiao Qiang Liu

List of Publications by Citations

175 papers	3,727 citations	34 h-index	52 g-index
179 ext. papers	4,157 ext. citations	3.8 avg, IF	5.66 L-index

#	Paper	IF	Citations
175	Dielectric abnormities of complex perovskite Ba(Fe1⁄2Nb1⁄2)O3 ceramics over broad temperature and frequency range. *Applied Physics Letters*, **2007**, 90, 022904	3.4	154
174	Relaxor-like dielectric behavior in La2NiMnO6 double perovskite ceramics. *Solid State Communications*, **2009**, 149, 784-787	1.6	126
173	Microstructure-dependent giant dielectric response in CaCu3Ti4O12 ceramics. *Solid State Communications*, **2006**, 139, 45-50	1.6	120
172	Improved Structure Stability and Multiferroic Characteristics in CaTiO3-Modified BiFeO3 Ceramics. *Journal of the American Ceramic Society*, **2012**, 95, 670-675	3.8	108
171	Giant dielectric response and relaxor behaviors induced by charge and defect ordering in Sr(Fe1⁄2Nb1⁄2)O3 ceramics. *Applied Physics Letters*, **2007**, 90, 192905	3.4	104
170	Dielectric relaxations in Ba(Fe1⁄2Ta1⁄2)O3 giant dielectric constant ceramics. *Applied Physics Letters*, **2007**, 90, 102905	3.4	102
169	Enhanced Electrocaloric Effects in Spark Plasma-Sintered Ba0.65Sr0.35TiO3-Based Ceramics at Room Temperature. *Journal of the American Ceramic Society*, **2013**, 96, 1021-1023	3.8	89
168	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	9.6	77
167	Structural evolution of SrLaAl1⁄2(Zn0.5Ti0.5)xO4 ceramics and effects on their microwave dielectric properties. *Journal of Materials Chemistry C*, **2016**, 4, 4684-4691	7.1	75
166	Complex-permittivity measurement on high-Q materials via combined numerical approaches. *IEEE Transactions on Microwave Theory and Techniques*, **2005**, 53, 3130-3134	4.1	71
165	CaTiO3 linear dielectric ceramics with greatly enhanced dielectric strength and energy storage density. *Journal of the American Ceramic Society*, **2018**, 101, 1999-2008	3.8	71
164	Hybrid improper ferroelectricity in Ruddlesden-Popper Ca3(Ti,Mn)2O7 ceramics. *Applied Physics Letters*, **2015**, 106, 202903	3.4	63
163	Readdressing of Magnetoelectric Effect in Bulk BiFeO3. *Advanced Functional Materials*, **2017**, 27, 1604037	15.6	62
162	Effects of Mg Substitution on Microstructures and Microwave Dielectric Properties of Ba(Zn1/3Nb2/3)O3 Perovskite Ceramics. *Journal of the American Ceramic Society*, **2010**, 93, 787-795	3.8	56
161	Electrocaloric effects in spark plasma sintered Ba0.7Sr0.3TiO3-based ceramics: Effects of domain sizes and phase constitution. *Ceramics International*, **2014**, 40, 11269-11276	5.1	54
160	Giant dielectric response in two-dimensional charge-ordered nickelate ceramics. *Journal of Applied Physics*, **2008**, 104, 054114	2.5	52
159	Microstructure and Microwave Dielectric Properties of (1⁄2)Ca(Mg1/3Ta2/3)O3/xCaTiO3 Ceramics. *Journal of the American Ceramic Society*, **2008**, 91, 1163-1168	3.8	48

158	Sr2LaAlTiO7: a new Ruddlesden–Popper compound with excellent microwave dielectric properties. *Journal of Materials Chemistry C*, **2016**, 4, 1720-1726	7.1	44
157	Structure and microwave dielectric characteristics of Ca1−xNd2x/3TiO3 ceramics. *Journal of the European Ceramic Society*, **2008**, 28, 585-590	6	44
156	Microstructures and Microwave Dielectric Characteristics of CaRAlO4 (R = Nd, Sm, Y) Ceramics with Tetragonal K2NiF4 Structure. *Journal of the American Ceramic Society*, **2005**, 87, 2143-2146	3.8	44
155	Re-entrant relaxor behavior of Ba5RTi3Nb7O30 (R = La, Nd, Sm) tungsten bronze ceramics. *Applied Physics Letters*, **2013**, 102, 112912	3.4	43
154	Dielectric relaxations in Ca(Fe1/2Nb1/2)O3 complex perovskite ceramics. *Applied Physics Letters*, **2007**, 90, 262904	3.4	43
153	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	3.8	41
152	Structure and modified giant dielectric response in CaCu3(Ti1−xSnx)4O12 ceramics. *Materials Chemistry and Physics*, **2010**, 124, 982-986	4.4	40
151	SrLnAlO4 (Ln=Nd and Sm) Microwave Dielectric Ceramics **2003**, 10, 111-115		40
150	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	7.1	39
149	Ferroelectric phase transition and low-temperature structure fluctuations in Ba4Nd2Ti4Nb6O30 tungsten bronze ceramics. *Journal of Applied Physics*, **2009**, 105, 124110	2.5	39
148	Effects of A1/A2-Sites Occupancy upon Ferroelectric Transition in (SrxBa1−x)Nb2O6 Tungsten Bronze Ceramics. *Journal of the American Ceramic Society*, **2014**, 97, 507-512	3.8	38
147	Structure, magnetic, and dielectric characteristics of Ln2NiMnO6 (Ln = Nd and Sm) ceramics. *Journal of Applied Physics*, **2012**, 112, 064104	2.5	38
146	Structure and dielectric relaxation of double-perovskite La2CuTiO6 ceramics. *Journal of Applied Physics*, **2010**, 107, 124102	2.5	37
145	Relaxor ferroelectric characteristics of Ba5LaTi3Nb7O30 tungsten bronze ceramics. *Applied Physics Letters*, **2012**, 100, 012902	3.4	37
144	Preparation and characterization of LaSrAlO4 microwave dielectric ceramics. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2003**, 103, 276-280	3.1	37
143	Microstructures and Microwave Dielectric Characteristics of Ca(Zn1/3Nb2/3)O3 Complex Perovskite Ceramics. *Journal of the American Ceramic Society*, **2004**, 87, 2208-2212	3.8	36
142	Structure evolution and piezoelectric properties across the morphotropic phase boundary of Sm-substituted BiFeO3 ceramics. *Journal of Applied Physics*, **2016**, 119, 064104	2.5	35
141	Effects of Ca-substitution on structural, dielectric, and ferroelectric properties of Ba5SmTi3Nb7O30 tungsten bronze ceramics. *Applied Physics Letters*, **2012**, 101, 042906	3.4	32

140	Effects of Mg Substitution on Order/disorder Transition, Microstructure, and Microwave Dielectric Characteristics of Ba((Co0.6Zn0.4)1/3Nb2/3)O3 Complex Perovskite Ceramics. *Journal of the American Ceramic Society*, **2013**, 96, 1795-1800	3.8	32
139	Temperature-stable giant dielectric response in orthorhombic samarium strontium nickelate ceramics. *Journal of Applied Physics*, **2009**, 105, 054104	2.5	32
138	Sr(Ga0.5Nb0.5)1−xTixO3 Low-Loss Microwave Dielectric Ceramics with Medium Dielectric Constant. *Journal of the American Ceramic Society*, **2015**, 98, 2534-2540	3.8	31
137	Effects of chemical and hydrostatic pressures on structural, magnetic, and electronic properties of R2NiMnO6 (R=rare□arthion) double perovskites. *Physical Review B*, **2014**, 90,	3.3	30
136	3Y-TZP ceramics toughened by Sr2Nb2O7 secondary phase. *Journal of the European Ceramic Society* , **2001**, 21, 477-481	6	30
135	Effect of BaTiO3 addition on structures and mechanical properties of 3Y-TZP ceramics. *Journal of the European Ceramic Society*, **2000**, 20, 1153-1158	6	30
134	Effects of Postdensification Annealing upon Microstructures and Microwave Dielectric Characteristics in Ba((Co0.6−x/2Zn0.4−x/2Mgx)1/3Nb2/3)O3 Ceramics. *Journal of the American Ceramic Society*, **2013**, 96, 3417-3424	3.8	29
133	Structure, magnetic, and dielectric properties of La2Ni(Mn1-xTix)O6 ceramics. *Journal of Applied Physics*, **2012**, 111, 084106	2.5	29
132	Structure and Microwave Dielectric Properties of Solid Solution in SrLaAlO4-Sr2TiO4 System. *Journal of the American Ceramic Society*, **2011**, 94, 3948-3952	3.8	28
131	Hydrothermal synthesis of NaNbO3 with low NaOH concentration. *Ceramics International*, **2010**, 36, 871-877	5.1	28
130	Srn+1TinO3n+1 (n=1, 2) microwave dielectric ceramics with medium dielectric constant and ultra-low dielectric loss. *Journal of the American Ceramic Society*, **2017**, 100, 496-500	3.8	27
129	Structural Evolution and Its Effects on Dielectric Loss in Sr1+xSm1−xAl1−xTixO4 Microwave Dielectric Ceramics. *Journal of the American Ceramic Society*, **2011**, 94, 2506-2511	3.8	27
128	Dielectric abnormity of Sr4Nd2Ti4Nb6O30 tungsten bronze ceramics over a broad temperature range. *Journal of Materials Research*, **2007**, 22, 2217-2222	2.5	25
127	Electric-field-induced phase transition and pinched P□ hysteresis loops in Pb-free ferroelectrics with a tungsten bronze structure. *NPG Asia Materials*, **2018**, 10, 71-81	10.3	24
126	A Novel Room-Temperature Multiferroic System of Hexagonal Lu1−xInxFeO3. *Advanced Functional Materials*, **2018**, 28, 1706062	15.6	23
125	Dielectric, ferroelectric and magnetic properties of Mn-doped LuFeO3 ceramics. *Journal of Applied Physics*, **2013**, 113, 044113	2.5	22
124	Electrocaloric effect in relaxor ferroelectric Ba(Ti1-Y)O3-/2 ceramics over a broad temperature range. *Journal of Alloys and Compounds*, **2017**, 729, 57-63	5.7	21
123	Room temperature multiferroic Ba4Bi2Fe2Nb8O30: Structural, dielectric, and magnetic properties. *Journal of Applied Physics*, **2010**, 108, 014111	2.5	21

122	Enhanced giant dielectric response in Al-substituted La1.75Sr0.25NiO4 ceramics. *Journal of Alloys and Compounds*, **2010**, 507, 230-235	5.7	21
121	Multiferroic ceramics in BaO□Y2O3□Fe2O3□Nb2O5 system. *Ceramics International*, **2010**, 36, 2415-2420	5.1	21
120	Dielectric relaxations, ultrasonic attenuation, and their structure dependence in Sr4(LaxNd1-x)2Ti4Nb6O30 tungsten bronze ceramics. *Journal of Materials Research*, **2008**, 23, 3112-3121	2.5	21
119	Dielectric characteristics and diffuse ferroelectric phase transition in Sr4La2Ti4Nb6O30 tungsten bronze ceramics. *Journal of Materials Research*, **2006**, 21, 1787-1792	2.5	21
118	Symmetry Modulation and Enhanced Multiferroic Characteristics in Bi1-xNdxFeO3 Ceramics. *Advanced Functional Materials*, **2019**, 29, 1806399	15.6	21
117	Crystal structural evolution and hybrid improper ferroelectricity in Ruddlesden-Popper Ca3-xSrxTi2O7 ceramics. *Journal of Applied Physics*, **2018**, 123, 014101	2.5	20
116	Raman spectra analysis for Ca(B1/3?B2/3?)O3-based complex perovskite ceramics. *Journal of Applied Physics*, **2008**, 104, 104108	2.5	20
115	Dielectric relaxation and polaronic hopping in Al-substituted Sm1.5Sr0.5NiO4ceramics. *Journal Physics D: Applied Physics*, **2010**, 43, 495402	3	19
114	Magnetic, dielectric and transport characteristics of Ln2CoMnO6 (Ln=Nd and Sm) double perovskite ceramics. *Journal of Magnetism and Magnetic Materials*, **2014**, 371, 52-59	2.8	18
113	Crystal Structure and Ferroelectric Behaviors of Ba5SmTi3Ta7O30 and Ba4Sm2Ti4Ta6O30 Tungsten Bronze Ceramics. *Journal of the American Ceramic Society*, **2010**, 93, 782-786	3.8	18
112	Dielectric and Ferroelectric Characteristics of Ba5NdFe1.5Nb8.5O30 Tungsten Bronze Ceramics. *Journal of the American Ceramic Society*, **2010**, 93, 3573-3576	3.8	18
111	Effects of Sr2Nb2O7 additive on microstructure and mechanical properties of 3Y□TZP/Al2O3 ceramics. *Ceramics International*, **2002**, 28, 209-215	5.1	18
110	Hybrid improper ferroelectricity in B-site substituted Ca3Ti2O7: The role of tolerance factor. *Applied Physics Letters*, **2018**, 113, 242904	3.4	18
109	Enhanced ferroelectricity, piezoelectricity and ferromagnetism in (Ba 0.75 Ca 0.25)TiO 3 modified BiFeO 3 multiferroic ceramics. *Journal of Alloys and Compounds*, **2016**, 658, 973-980	5.7	17
108	Effect of (Sr0.7Ca0.3)TiO3-substitution on structure, dielectric, ferroelectric, and magnetic properties of BiFeO3 ceramics. *Journal of Applied Physics*, **2016**, 119, 204102	2.5	17
107	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, 262904	3.4	17
106	Ferroelectric and magnetic properties in (1□)BiFeO3□(0.5CaTiO3□0.5SmFeO3) ceramics. *Journal of the American Ceramic Society*, **2017**, 100, 4045-4057	3.8	16
105	SrLn2Al2O7 (Ln□=□La, Nd, Sm) Microwave Dielectric Ceramic New Materials. *International Journal of Applied Ceramic Technology*, **2013**, 10, E177-E185	2	16

104	Dielectric properties of La1.75Ba0.25NiO4 ceramics prepared by spark plasma sintering. *Journal of Alloys and Compounds*, **2010**, 490, 605-608	5.7	16
103	Structural, dielectric and magnetic properties of Ba3SrLn2Fe2Nb8O30 (Ln = La, Nd, Sm) filled tungsten bronze ceramics. *Journal of Alloys and Compounds*, **2016**, 675, 311-316	5.7	16
102	Relaxor nature in Ba5RZr3Nb7O30 (R = La, Nd, Sm) tetragonal tungsten bronze new system. *Journal of the American Ceramic Society*, **2018**, 101, 1623-1631	3.8	16
101	Crystal structures, dielectric properties, and phase transition in hybrid improper ferroelectric Sr3Sn2O7-based ceramics. *Journal of Applied Physics*, **2019**, 125, 044101	2.5	15
100	Giant room-temperature magnetodielectric coupling in spark plasma sintered brownmillerite ceramics. *Applied Physics Letters*, **2014**, 105, 222906	3.4	15
99	Structure Evolution and Enhanced Microwave Dielectric Characteristics of (Sr1−xCax)La2Al2O7 Ceramics. *Journal of the American Ceramic Society*, **2014**, 97, 3531-3536	3.8	15
98	Upper limit of x in Ba6−3xNd8+2xTi18O54 new tungsten bronze solid solution. *Journal of the European Ceramic Society*, **2007**, 27, 3011-3016	6	15
97	Giant dielectric response and polaronic hopping in Al-substituted A5/3Sr1/3NiO4 (A=La, Nd) ceramics. *Ceramics International*, **2014**, 40, 5583-5590	5.1	14
96	Dielectric and ferroelectric properties of Ba1−xSrxTiO3 ceramics: effects of grain size and ferroelectric domain. *Advances in Applied Ceramics*, **2013**, 112, 270-276	2.3	14
95	Relaxor nature in lead-free Sr5LaTi3Nb7O30 tetragonal tungsten bronze ceramics. *Journal of Applied Physics*, **2013**, 114, 124102	2.5	14
94	Preparation, Dielectric, and Magnetic Characteristics of LuFe2O4 Ceramics. *Journal of the American Ceramic Society*, **2013**, 96, 2506-2509	3.8	14
93	CoO microspheres and metallic Co evolved from hexagonal β-Co(OH) plates in a hydrothermal process for lithium storage and magnetic applications. *Physical Chemistry Chemical Physics*, **2017**, 20, 595-604	3.6	14
92	Evolution of structure, dielectric properties, and re-entrant relaxor behavior in Ba5LaxSm1−xTi3Nb7O30 (x = 0.1, 0.25, 0.5) tungsten bronze ceramics. *Journal of Applied Physics*, **2013**, 114, 044106	2.5	13
91	Effect of excess oxygen on crystal structures and dielectric responses of Nd2NiO4+ ceramics. *Journal of Alloys and Compounds*, **2013**, 579, 502-506	5.7	13
90	Crystal Structure and Infrared Reflection Spectra of SrLn2Al2O7 (Ln = La, Nd, Sm) Microwave Dielectric Ceramics. *International Journal of Applied Ceramic Technology*, **2015**, 12, E33-E40	2	13
89	Giant dielectric response in (Sm1−xNdx)1.5Sr0.5NiO4 ceramics: The intrinsic and extrinsic effects. *Journal of Applied Physics*, **2012**, 112, 024104	2.5	13
88	Giant dielectric response and mixed-valent structure in the layered-ordered double-perovskite ceramics. *Ceramics International*, **2011**, 37, 2747-2753	5.1	13
87	Stability and microwave dielectric characteristics of (Ca1− Sr x)LaAlO4 ceramics. *Journal of Electroceramics*, **2008**, 21, 154-159	1.5	13

86	Ba4R2Sn4Nb6O30 (R = La, Nd, Sm) lead-free relaxors with filled tungsten bronze structure. *Journal of the American Ceramic Society*, **2019**, 102, 4721-4729	3.8	12
85	Enhanced hybrid improper ferroelectricity in Sr3−xBaxSn2O7 ceramics with a Ruddlesden–Popper (R–P) structure. *Applied Physics Letters*, **2020**, 116, 042903	3.4	12
84	First-order phase transition and unexpected rigid rotation mode in hybrid improper ferroelectric (La, Al) co-substituted Ca3Ti2O7 ceramics. *Journal of Materiomics*, **2019**, 5, 618-625	6.7	12
83	Ba[(Fe0.9Al0.1)0.5Ta0.5]O3 ceramics with extended giant dielectric constant step and reduced dielectric loss. *Journal of Applied Physics*, **2009**, 105, 034114	2.5	12
82	Density functional investigations on electronic structures, magnetic ordering and ferroelectric phase transition in multiferroic Bi2NiMnO6. *AIP Advances*, **2012**, 2, 022115	1.5	12
81	Giant dielectric response and polaronic hopping in charge-ordered ceramics. *Solid State Communications*, **2010**, 150, 1794-1797	1.6	12
80	Toughening of 8Y-FSZ Ceramics by Neodymium Titanate Secondary Phase. *Journal of the American Ceramic Society*, **2005**, 88, 456-458	3.8	12
79	Structure and microwave dielectric characteristics of Sr(La1−xSmx)2Al2O7 ceramics. *RSC Advances*, **2016**, 6, 96229-96236	3.7	12
78	Effects of oxygen-deficiency on crystal structure, dielectric and ferroelectric properties in Sr5SmTi3+2xNb7−xO30−δ with tungsten bronze structure. *RSC Advances*, **2017**, 7, 27370-27376	3.7	11
77	Dielectric and ferroelectric characteristics of [(Bi0.5Na0.5)0.94Ba0.06]1−xSrxTiO3 ceramics. *Journal of Materials Science: Materials in Electronics*, **2014**, 25, 1517-1526	2.1	11
76	Microwave dielectric characteristics of SrLaGaO4 and SrNdGaO4 ceramics. *Journal of the European Ceramic Society*, **2006**, 26, 1969-1971	6	11
75	Dielectric and mechanical characteristics of lanthanum aluminate ceramics with strontium niobate addition. *Journal of the European Ceramic Society*, **2004**, 24, 1999-2004	6	11
74	Microstructures and mechanical properties of 8Y-FSZ ceramics with BaTiO3 additive. *Ceramics International*, **2004**, 30, 2269-2275	5.1	11
73	Dielectric and Ferroelectric Characterization of Na(Ta,Nb)O3 Solid Solution Ceramics. *Journal of Electroceramics*, **2005**, 15, 21-26	1.5	11
72	Hybrid improper ferroelectricity and possible ferroelectric switching paths in Sr3Hf2O7. *Journal of Applied Physics*, **2019**, 125, 114105	2.5	10
71	Structure, dielectric and magnetic properties of Ba6FeNb9O30 tungsten bronze ceramics. *Journal of Materials Science: Materials in Electronics*, **2011**, 22, 866-871	2.1	10
70	Giant dielectric constant in Nd2NiO4+δ ceramics obtained by spark plasma sintering. *Ceramics International*, **2011**, 37, 2423-2427	5.1	10
69	Thermal Expansion and High-Temperature Phase Transition of Ba6−xLn8+2xTi18O54 (Ln=La, Nd, and Sm) Ceramics. *Journal of the American Ceramic Society*, **2007**, 90, 2912-2917	3.8	10

68	Structure and microwave dielectric characteristics of Sr2[Ti1−x(Al0.5Nb0.5)x]O4 (x≤0.50) ceramics. *Journal of the American Ceramic Society*, **2019**, 102, 6137-6146	3.8	9
67	Conductive, dielectric and magnetic properties of Y-substituted LaFeO3 ceramics. *Journal of Alloys and Compounds*, **2019**, 792, 665-672	5.7	9
66	Significantly enhanced ferroelectricity and magnetic properties in (Sr0.5Ca0.5)TiO3-modified BiFeO3 ceramics. *Journal of Applied Physics*, **2015**, 117, 174101	2.5	9
65	Structure and Microwave Dielectric Characteristics of Ca[(Ga1/2Nb1/2)1−xTix]O3 Ceramics. *Journal of the American Ceramic Society*, **2015**, 98, 3185-3191	3.8	9
64	Structure, magnetic and dielectric properties in Mn-substituted Sm1.5Sr0.5NiO4 ceramics. *Journal of Applied Physics*, **2011**, 110, 064110	2.5	9
63	Hydrothermal derived barium niobate ultra-fine powders and nanowires. *Journal of Alloys and Compounds*, **2008**, 453, 463-469	5.7	9
62	Microstructures and dielectric properties of CaTiO3–LaSrAlO4 composite ceramics. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2004**, 110, 296-301	3.1	9
61	Magnetic Properties of CeMnCoGeO (0≤x≤2) as a Function of Temperature and Magnetic Field. *Inorganic Chemistry*, **2017**, 56, 2750-2762	5.1	8
60	Solubility limits and microwave dielectric properties of Ba6−3xSm8+2xTi18O54 solid solution. *Ceramics International*, **2011**, 37, 3575-3581	5.1	8
59	Ferroelectric phase transition and low-temperature dielectric relaxations in Sr4(La1−xSmx)2Ti4Nb6O30 ceramics. *Journal of Applied Physics*, **2011**, 110, 114101	2.5	8
58	Polarization–electric field relations of ferroelectric/antiferroelectric layered ceramics in Pb(Nb, Zr, Sn, Ti)O3 system. *Materials Research Bulletin*, **2005**, 40, 1194-1201	5.1	8
57	Improved hybrid improper ferroelectricity in B-site substituted Ca3Ti2O7 ceramics with a Ruddlesden–Popper structure. *Journal of Applied Physics*, **2020**, 128, 054102	2.5	8
56	Magnetoelectric effect in Sm-substituted tungsten bronze structure Ba4(SmxLa1-x)2Fe2Nb8O30 ceramics. *Journal of Alloys and Compounds*, **2019**, 786, 126-133	5.7	7
55	Structure and microwave dielectric properties of SrSmAlO4-Sr2TiO4 solid solutions. *Journal of Electroceramics*, **2015**, 34, 114-121	1.5	7
54	Eu-substitution-induced commensurate phase with enhanced ferroelectric property in Ba4(EuxLa1−x)2Fe2Nb8O30 multiferroics. *Journal of the American Ceramic Society*, **2019**, 102, 1748-1757	3.8	7
53	Dielectric and Magnetic Properties of Sr(Fe1/2Ta1/2)O3 Complex Perovskite Ceramics. *Journal of the American Ceramic Society*, **2013**, 96, 1188-1192	3.8	7
52	Magnetic properties and magnetoresistance of polycrystalline SrLaCoO4. *Solid State Communications*, **2005**, 136, 576-579	1.6	7
51	Structural chemistry and magnetic properties of Y2CoGe4O12. *Journal of Solid State Chemistry*, **2015**, 228, 183-188	3.3	6

50	Topological ferroelectricity in layered perovskite LaTaO4: A first principles study. *Solid State Communications*, **2016**, 247, 31-35	1.6	6
49	Ferroelectric and dielectric properties in Ba5SmFe1□5Nb8□5O30 tungsten bronze ceramics. *Advances in Applied Ceramics*, **2013**, 112, 412-418	2.3	6
48	Dielectric relaxation and polaronic hopping in the single-layered perovskite La1.5Sr0.5CoO4 ceramics. *Journal of Materials Science*, **2011**, 46, 6339-6343	4.3	6
47	Giant Dielectric Response up to High Frequency in Sm1.75Sr0.25NiO4 Ceramics. *Ferroelectrics*, **2009**, 388, 161-166	0.6	6
46	Dielectric relaxation in LaSrCo1□ Al x O4 ceramics. *Applied Physics A: Materials Science and Processing*, **2010**, 100, 1131-1135	2.6	6
45	Effects of Ba substitution on structure and dielectric response of Bi2Mn4O10 ceramics. *Materials Chemistry and Physics*, **2010**, 121, 326-329	4.4	6
44	Cation Ordering and Domain Boundaries in Ca[(Mg1/3Ta2/3)1□Tix]O3 Microwave Dielectric Ceramics. *Journal of the American Ceramic Society*, **2008**, 91, 2581-2587	3.8	6
43	Morphotropic phase boundary (MPB) and enhanced multiferroic characteristics of Bi1-x(Ba0.75Ca0.25)xFe1-xTixO3 ceramics (0.25□0.35). *Journal of Alloys and Compounds*, **2020**, 819, 153031	5.7	6
42	Property-structure relationship in lead-free relaxors Ba5RSn3Nb7O30 with tungsten bronze structure. *Applied Physics Letters*, **2018**, 113, 142902	3.4	6
41	Structural evolution and enhanced microwave dielectric properties in Sr2+/Ti4+ co-substituted SrNd2Al2O7 ceramics. *Journal of Alloys and Compounds*, **2018**, 758, 25-31	5.7	6
40	Electrocaloric effect and pyroelectric energy harvesting in diffuse ferroelectric Ba(Ti1-xCex)O3 ceramics. *Journal of Electroceramics*, **2019**, 43, 106-116	1.5	5
39	Structure evolution and improved microwave dielectric characteristics in CaTi1-x(Al0.5Nb0.5)xO3 ceramics. *Journal of Alloys and Compounds*, **2020**, 845, 155435	5.7	5
38	Structure and microwave dielectric characteristics of (Sr1□Cax)Nd2Al2O7 ceramics. *Materials Chemistry and Physics*, **2014**, 147, 162-167	4.4	5
37	Phase Transition Domains in Ca-based Complex Perovskite Dielectric Ceramics. *Journal of the American Ceramic Society*, **2012**, 95, 2979-2988	3.8	5
36	Microstructures and mechanical properties of Sr2Nb2O7-toughened 3Y-TZP ceramics. *Ceramics International*, **2003**, 29, 635-640	5.1	5
35	(Sr1-xCax)2TiO4 microwave dielectric ceramics with R-P structure (x□0~0.15). *International Journal of Applied Ceramic Technology*, **2019**, 16, 2040-2046	2	5
34	Ferroelectric transitions and relaxor behavior in Ba4Sm2(Ti1-xZrx)4Ta6O30 tungsten bronze ceramics. *Journal of Applied Physics*, **2018**, 124, 104102	2.5	5
33	A novel sol□el route to synthesize (Sr0.5Ba0.5)Nb2O6 ceramics with enhanced electrocaloric effect. *Journal of Advanced Dielectrics*, **2017**, 07, 1750012	1.3	4

32	Pinched P-E hysteresis loops in Ba4Sm2Fe0.5Ti3Nb6.5O30 ceramic with tungsten bronze structure. *Applied Physics Letters*, **2019**, 115, 082901	3.4	4
31	A-site partially ordered La0.5Y0.5FeO3 and its multiferroic characteristics. *Applied Physics Letters*, **2019**, 114, 212904	3.4	4
30	Contribution of oxygen vacancies to the giant dielectric response in Sm1.5Sr0.5NiO4□ ceramics. *Applied Physics A: Materials Science and Processing*, **2014**, 116, 1421-1427	2.6	4
29	Dielectric Characteristics in BiFeO 3 -Modified SrTiO 3 Incipient Ferroelectric Ceramics. *Chinese Physics Letters*, **2015**, 32, 025201	1.8	3
28	Giant dielectric response with reduced loss in ceramics with nominal composition of La1.5Sr0.5NiO4-SiO2. *Journal of Electroceramics*, **2016**, 37, 73-78	1.5	3
27	Local Structure Evolution in Ba-Substituted Pb(Fe1/2Nb1/2)O3 Ceramics. *Journal of the American Ceramic Society*, **2014**, 97, 2880-2884	3.8	3
26	Structure evolution and microwave dielectric characteristics of Ca[(Al Ga0.5-Nb0.5)0.5Ti0.5]O3 ceramics. *Journal of Alloys and Compounds*, **2017**, 693, 87-94	5.7	3
25	Low Temperature Synthesis of ZnNb2O6 Fine Powders by Wet-Chemical Processes. *Ferroelectrics*, **2009**, 388, 114-119	0.6	3
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22	The origin of enhanced magnetodielectric effect in Y3-xYbxFe5O12 ceramics. *Journal of Applied Physics*, **2018**, 124, 194101	2.5	3
21	Effects of Sr-substitution on structure, dielectric, ferroelectric and magnetic properties of (SrxBa1-x)4Sm2Fe2Nb8O30 ceramics. *Journal of Alloys and Compounds*, **2019**, 770, 143-148	5.7	2
20	Dielectric and magnetic characteristics of LuFeMgO4 ceramics. *Journal of Applied Physics*, **2010**, 108, 084111	2.5	2
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18	High dielectric constant in (1 □x)SrTiO3/xCuO composite ceramics. *Journal of Electroceramics*, **2008**, 21, 757-760	1.5	2
17	Hybrid improper ferroelectricity and pressure-induced enhancement of polarization in Ba3Ce2O7 predicted by a first-principles calculation. *Physical Review Materials*, **2020**, 4,	3.2	2
16	Review of experimental progress of hybrid improper ferroelectricity in layered perovskite oxides. *Journal Physics D: Applied Physics*,	3	2
15	Simultaneously enhanced ferroelectric and magnetic properties in Fe-substituted Ba4Sm2Fe Ti4-2Nb6+O30 ceramics. *Journal of Alloys and Compounds*, **2019**, 775, 1199-1205	5.7	2

List of Publications

14	Hybrid improper ferroelectricity in A-site cation ordered Li2La2Ti3O10 ceramic with triple-layer Ruddlesden□Popper structure. *Applied Physics Letters*, **2021**, 118, 052903	3.4	2
13	Oxygen-vacancy-induced reversible control of ferroelectric polarization in Ba4Eu2Fe2Nb8O30 ceramics. *Journal of Applied Physics*, **2018**, 124, 064105	2.5	2
12	Aging effect and metastable ferroelectric state in Ba4Eu2(Ti0.9Zr0.1)4Ta6O30 tetragonal tungsten bronze ceramic. *Applied Physics Letters*, **2019**, 114, 082902	3.4	1
11	Phase Transition in Ba6□x(Sm1□yLay)6+2xTi18O54 (x=0.5) Ceramics. *Journal of the American Ceramic Society*, **2006**, 89, 060613004617009-???	3.8	1
10	Ultra low loss (Mg1 □xCax)2SiO4 dielectric ceramics (x□=□0 to 0.15) for millimeter wave applications. *Journal of the American Ceramic Society*, **2022**, 105, 2010	3.8	1
9	Hybrid improper ferroelectricity and multiferroic in Ruddlesden-Popper structures. *Wuli Xuebao/Acta Physica Sinica*, **2018**, 67, 157503	0.6	1
8	Enhanced hybrid improper ferroelectricity in Fe/Nb cosubstituted Ca3Mn2O7 ceramics. *Journal of the American Ceramic Society*, **2021**, 104, 4000-4013	3.8	1
7	Defect dipoles induced high-energy storage density in Mn-doped BST ceramics prepared by spark plasma sintering. *Journal of the American Ceramic Society*, **2018**, 102, 1904	3.8	1
6	Electric-field-controlled magnetism due to field-induced transition of Pna21/R3c in Bi1-xGdxFeO3 ceramics. *Journal of Materiomics*, **2021**, 7, 967-975	6.7	1
5	Magnetoelectric coupling in Sm substituted 0.67BiFeO3- 0.33BaTiO3 ceramics. *Journal of Alloys and Compounds*, **2022**, 901, 163681	5.7	0
4	Polarization Mechanism in Filled Tungsten Bronze Ba4Eu2Ti4Nb6O30 with Pinched P □E Hysteresis Loops. *Chinese Physics Letters*, **2021**, 38, 047701	1.8	0
3	Room-temperature multiferroic characteristics and unique vortex domain structures of h-Yb1□InxFeO3 solid solutions. *Journal of the American Ceramic Society*, **2021**, 104, 6393	3.8	0
2	Enhanced multiferroic characteristics in hexagonal ScMn1□FexO3 ceramics. *Journal of Applied Physics*, **2021**, 129, 134101	2.5	
1	Distortion modes and ferroelectric properties in hybrid improper ferroelectric Sr3(Sn,Zr)2O7 ceramics. *Journal of Applied Physics*, **2022**, 131, 184102	2.5	