

# Xiao Qiang Liu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1450505/publications.pdf>

Version: 2024-02-01

177  
papers

4,649  
citations

94269

37  
h-index

143772

57  
g-index

179  
all docs

179  
docs citations

179  
times ranked

2852  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dielectric abnormalities of complex perovskite $\text{Ba}(\text{Fe}_{1-x}\text{Nb}_x)_2\text{O}_3$ ceramics over broad temperature and frequency range. Applied Physics Letters, 2007, 90, 022904.	1.5	167
2	Relaxor-like dielectric behavior in $\text{La}_2\text{NiMnO}_6$ double perovskite ceramics. Solid State Communications, 2009, 149, 784-787.	0.9	155
3	Improved Structure Stability and Multiferroic Characteristics in $\text{CaTiO}_3$ -Modified $\text{BiFeO}_3$ Ceramics. Journal of the American Ceramic Society, 2012, 95, 670-675.	1.9	129
4	Microstructure-dependent giant dielectric response in $\text{CaCu}_3\text{Ti}_4\text{O}_{12}$ ceramics. Solid State Communications, 2006, 139, 45-50.	0.9	127
5	Giant dielectric response and relaxor behaviors induced by charge and defect ordering in $\text{Sr}(\text{Fe}_{1-x}\text{Nb}_x)_2\text{O}_3$ ceramics. Applied Physics Letters, 2007, 90, 192905.	1.5	113
6	Dielectric relaxations in $\text{Ba}(\text{Fe}_{1-x}\text{Ta}_x)_2\text{O}_3$ giant dielectric constant ceramics. Applied Physics Letters, 2007, 90, 102905.	1.5	111
7	$\text{CaTiO}_3$ 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	Enhanced Electrocaloric Effects in Spark Plasma Sintered $\text{Ba}_{0.65}\text{Sr}_{0.35}\text{TiO}_3$ Ceramics at Room Temperature. Journal of the American Ceramic Society, 2013, 96, 1021-1023.	1.5	108
9	Structural evolution of $\text{SrLaAl}_{1-x}(\text{Zn}_{0.5}\text{Ti}_{0.5})_x\text{O}_4$ ceramics and effects on their microwave dielectric properties. Journal of Materials Chemistry C, 2016, 4, 4684-4691.	2.7	96
10	Structural Dependence of Microwave Dielectric Properties of $\text{SrRAlO}_4$ (R = Sm, Nd, La) Ceramics: Crystal Structure Refinement and Infrared Reflectivity Study. Chemistry of Materials, 2008, 20, 4092-4098.	3.2	95
11	Complex-permittivity measurement on high-Q materials via combined numerical approaches. IEEE Transactions on Microwave Theory and Techniques, 2005, 53, 3130-3134.	2.9	82
12	Hybrid improper ferroelectricity in Ruddlesden-Popper $\text{Ca}_3(\text{Ti},\text{Mn})_2\text{O}_7$ ceramics. Applied Physics Letters, 2015, 106, .	1.5	82
13	Readdressing of Magnetoelectric Effect in Bulk $\text{BiFeO}_3$ . Advanced Functional Materials, 2017, 27, 1604037.	7.8	80
14	$\text{Sr}_2\text{LaAlTi}_7$ : a new Ruddlesden-Popper compound with excellent microwave dielectric properties. Journal of Materials Chemistry C, 2016, 4, 1720-1726.	2.7	74
15	Electrocaloric effects in spark plasma sintered $\text{Ba}_{0.7}\text{Sr}_{0.3}\text{TiO}_3$ -based ceramics: Effects of domain sizes and phase constitution. Ceramics International, 2014, 40, 11269-11276.	2.3	65
16	Effects of Mg Substitution on Microstructures and Microwave Dielectric Properties of $\text{Ba}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3$ Perovskite Ceramics. Journal of the American Ceramic Society, 2010, 93, 787-795.	1.9	59
17	Microstructures and Microwave Dielectric Characteristics of $\text{CaRAlO}_4$ (R = Nd, Sm, Y) Ceramics with Tetragonal $\text{K}_2\text{NiF}_4$ Structure. Journal of the American Ceramic Society, 2004, 87, 2143-2146.	1.9	56
18	Giant dielectric response in two-dimensional charge-ordered nickelate ceramics. Journal of Applied Physics, 2008, 104, 054114.	1.1	55

#	ARTICLE	IF	CITATIONS
19	Structure and microwave dielectric characteristics of $\text{Ca}_{1-x}\text{Nd}_x/3\text{TiO}_3$ ceramics. Journal of the European Ceramic Society, 2008, 28, 585-590.	2.8	53
20	Microstructure and Microwave Dielectric Properties of $(1-x)\text{Ca}(\text{Mg}_{1/3}\text{Ta}_{2/3})\text{O}_3/\text{CaTiO}_3$ Ceramics. Journal of the American Ceramic Society, 2008, 91, 1163-1168.	1.9	52
21	$\text{SrLnAlO}_4$ (Ln=Nd and Sm) Microwave Dielectric Ceramics. , 2003, 10, 111-115.		51
22	Structure, magnetic, and dielectric characteristics of $\text{Ln}_2\text{NiMnO}_6$ (Ln=Nd and Sm) ceramics. Journal of Applied Physics, 2012, 112, .	1.1	49
23	Dielectric relaxations in $\text{Ca}(\text{Fe}_{1-x}\text{Nb}_x)_2\text{O}_3$ complex perovskite ceramics. Applied Physics Letters, 2007, 90, 262904.	1.5	48
24	Structure and dielectric relaxation of double-perovskite $\text{La}_2\text{CuTiO}_6$ ceramics. Journal of Applied Physics, 2010, 107, .	1.1	46
25	Preparation and characterization of $\text{LaSrAlO}_4$ microwave dielectric ceramics. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2003, 103, 276-280.	1.7	45
26	Crystal structure, ferroelectricity and polar order in a $\text{Ba}_4\text{R}_2\text{Zr}_4\text{Nb}_6\text{O}_{30}$ (R = La, Nd, Sm) tetragonal tungsten bronze new system. Journal of Materials Chemistry C, 2017, 5, 4009-4016.	2.7	45
27	Ferroelectric phase transition and low-temperature structure fluctuations in $\text{Ba}_4\text{Nd}_2\text{Ti}_4\text{Nb}_6\text{O}_{30}$ tungsten bronze ceramics. Journal of Applied Physics, 2009, 105, .	1.1	44
28	Structure and modified giant dielectric response in $\text{CaCu}_3(\text{Ti}_{1-x}\text{Sn}_x)_4\text{O}_{12}$ ceramics. Materials Chemistry and Physics, 2010, 124, 982-986.	2.0	44
29	Crystal Structure and Dielectric Properties of $\text{Sr}_5\text{RTi}_3\text{Nb}_7\text{O}_{30}$ (R=La, Nd, Sm, and Eu) Tungsten Bronze Ceramics. Journal of the American Ceramic Society, 2011, 94, 1829-1836.	1.9	44
30	Effects of A1/A2 Sites Occupancy upon Ferroelectric Transition in $(\text{Sr}_{1-x}\text{Ba}_x)(\text{Nb}_{1-x}\text{Ta}_x)\text{O}_{14}$ Tungsten Bronze Ceramics. Journal of the American Ceramic Society, 2014, 97, 507-512.	1.9	44
31	Microstructures and Microwave Dielectric Characteristics of $\text{Ca}(\text{Zn}_{1/3}\text{Nb}_{2/3})\text{O}_3$ Complex Perovskite Ceramics. Journal of the American Ceramic Society, 2004, 87, 2208-2212.	1.9	43
32	Re-entrant relaxor behavior of $\text{Ba}_5\text{RTi}_3\text{Nb}_7\text{O}_{30}$ (R=La, Nd, Sm) tungsten bronze ceramics. Applied Physics Letters, 2013, 102, .	1.5	43
33	Structure evolution and piezoelectric properties across the morphotropic phase boundary of Sm-substituted $\text{BiFeO}_3$ ceramics. Journal of Applied Physics, 2016, 119, .	1.1	42
34	Relaxor ferroelectric characteristics of $\text{Ba}_5\text{LaTi}_3\text{Nb}_7\text{O}_{30}$ tungsten bronze ceramics. Applied Physics Letters, 2012, 100, 012902.	1.5	40
35	Effects of chemical and hydrostatic pressures on structural, magnetic, and electronic properties of $\text{O}_6$		

#	ARTICLE	IF	CITATIONS
37	Effects of Mg Substitution on Order/disorder Transition, Microstructure, and Microwave Dielectric Characteristics of BaCo <sub>0.6</sub> Zn <sub>0.4</sub> 1/3 Complex Perovskite Ceramics. Journal of the American Ceramic Society, 2013, 96, 1795-1800.	1.9	38
38	Electric-field-induced phase transition and pinched P-E hysteresis loops in Pb-free ferroelectrics with a tungsten bronze structure. NPG Asia Materials, 2018, 10, 71-81.	3.8	38
39	Temperature-stable giant dielectric response in orthorhombic samarium strontium nickelate ceramics. Journal of Applied Physics, 2009, 105, .	1.1	37
40	Effects of Ca-substitution on structural, dielectric, and ferroelectric properties of Ba <sub>5</sub> SmTi <sub>3</sub> Nb <sub>7</sub> O <sub>30</sub> tungsten bronze ceramics. Applied Physics Letters, 2012, 101, 042906.	1.5	37
41	Sr(Ga <sub>0.5</sub> Nb <sub>0.5</sub> ) <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> Low-loss Microwave Dielectric Ceramics with Medium Dielectric Constant. Journal of the American Ceramic Society, 2015, 98, 2534-2540.	1.9	37
42	Sr <sub>n+1</sub> Ti <sub>n</sub> O <sub>3n+1</sub> (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.	1.9	37
43	Structure and Microwave Dielectric Properties of Solid Solution in SrLaAlO <sub>4</sub> εSr <sub>2</sub> TiO <sub>4</sub> System. Journal of the American Ceramic Society, 2011, 94, 3948-3952.	1.9	36
44	Symmetry Modulation and Enhanced Multiferroic Characteristics in Bi <sub>1-x</sub> Nd <sub>x</sub> FeO <sub>3</sub> Ceramics. Advanced Functional Materials, 2019, 29, 1806399.	7.8	36
45	Structure, magnetic, and dielectric properties of La <sub>2</sub> Ni(Mn <sub>1-x</sub> Ti <sub>x</sub> )O <sub>6</sub> ceramics. Journal of Applied Physics, 2012, 111, .	1.1	35
46	3Y-TZP ceramics toughened by Sr <sub>2</sub> Nb <sub>2</sub> O <sub>7</sub> secondary phase. Journal of the European Ceramic Society, 2001, 21, 477-481.	2.8	34
47	A Novel Room-Temperature Multiferroic System of Hexagonal Lu <sub>1-x</sub> In <sub>x</sub> FeO <sub>3</sub> . Advanced Functional Materials, 2018, 28, 1706062.	7.8	34
48	Structural Evolution and Its Effects on Dielectric Loss in Sr <sub>1-x</sub> Sm <sub>1-x</sub> Al <sub>1-x</sub> Ti <sub>x</sub> O <sub>4</sub> Microwave Dielectric Ceramics. Journal of the American Ceramic Society, 2011, 94, 2506-2511.	1.9	33
49	Effect of BaTiO <sub>3</sub> addition on structures and mechanical properties of 3Y-TZP ceramics. Journal of the European Ceramic Society, 2000, 20, 1153-1158.	2.8	32
50	Raman spectra analysis for Ca(B <sub>1/3</sub> B <sub>2/3</sub> )O <sub>3</sub> -based complex perovskite ceramics. Journal of Applied Physics, 2008, 104, .	1.1	30
51	Hydrothermal synthesis of NaNbO <sub>3</sub> with low NaOH concentration. Ceramics International, 2010, 36, 871-877.	2.3	30
52	Hybrid improper ferroelectricity in B-site substituted Ca <sub>3</sub> Ti <sub>2</sub> O <sub>7</sub> : The role of tolerance factor. Applied Physics Letters, 2018, 113, .	1.5	29
53	Dielectric, ferroelectric and magnetic properties of Mn-doped LuFeO <sub>3</sub> ceramics. Journal of Applied Physics, 2013, 113, .	1.1	28
54	Relaxor nature in Ba <sub>5</sub> RZr <sub>3</sub> Nb <sub>7</sub> O <sub>30</sub> (R=La, Nd, Sm) tetragonal tungsten bronze new system. Journal of the American Ceramic Society, 2018, 101, 1623-1631.	1.9	28

#	ARTICLE	IF	CITATIONS
55	Magnetic, dielectric and transport characteristics of Ln <sub>2</sub> CoMnO <sub>6</sub> (Ln=Nd and Sm) double perovskite ceramics. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 371, 52-59.	1.0	27
56	Giant dielectric response and mixed-valent structure in the layered-ordered double-perovskite ceramics. <i>Ceramics International</i> , 2011, 37, 2747-2753.	2.3	26
57	Electrocaloric effect in relaxor ferroelectric Ba(Ti <sub>1</sub> -Y) <sub>2</sub> O <sub>7</sub> ceramics over a broad temperature range. <i>Journal of Alloys and Compounds</i> , 2017, 729, 57-63.	2.8	26
58	Crystal structural evolution and hybrid improper ferroelectricity in Ruddlesden-Popper Ca <sub>3-x</sub> Sr <sub>x</sub> Ti <sub>2</sub> O <sub>7</sub> ceramics. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	26
59	Dielectric abnormality of Sr <sub>4</sub> Nd <sub>2</sub> Ti <sub>4</sub> Nb <sub>6</sub> O <sub>30</sub> tungsten bronze ceramics over a broad temperature range. <i>Journal of Materials Research</i> , 2007, 22, 2217-2222.	1.2	25
60	Structural, dielectric and magnetic properties of Ba <sub>3</sub> SrLn <sub>2</sub> Fe <sub>2</sub> Nb <sub>8</sub> O <sub>30</sub> (Ln=La, Nd, Sm) filled tungsten bronze ceramics. <i>Journal of Alloys and Compounds</i> , 2016, 675, 311-316.	2.8	25
61	Room temperature multiferroic Ba <sub>4</sub> Bi <sub>2</sub> Fe <sub>2</sub> Nb <sub>8</sub> O <sub>30</sub> : Structural, dielectric, and magnetic properties. <i>Journal of Applied Physics</i> , 2010, 108, 014111.	1.1	24
62	Ferroelectric and magnetic properties in (1-x)BiFeO <sub>3</sub> -(x)(0.5CaTiO <sub>3</sub> -0.5SmFeO <sub>3</sub> ) ceramics. <i>Journal of the American Ceramic Society</i> , 2017, 100, 4045-4057.	1.9	24
63	Effects of B site ions on the relaxor to normal ferroelectric transition crossover in Ba <sub>4</sub> Sm <sub>2</sub> Zr <sub>4</sub> (Nb <sub>x</sub> Ta <sub>1-x</sub> ) <sub>6</sub> O <sub>30</sub> tungsten bronze ceramics. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	24
64	Dielectric characteristics and diffuse ferroelectric phase transition in Sr <sub>4</sub> La <sub>2</sub> Ti <sub>4</sub> Nb <sub>6</sub> O <sub>30</sub> tungsten bronze ceramics. <i>Journal of Materials Research</i> , 2006, 21, 1787-1792.	1.2	23
65	Dielectric relaxations, ultrasonic attenuation, and their structure dependence in Sr <sub>4</sub> (La <sub>x</sub> Nd <sub>1-x</sub> ) <sub>2</sub> Ti <sub>4</sub> Nb <sub>6</sub> O <sub>30</sub> tungsten bronze ceramics. <i>Journal of Materials Research</i> , 2008, 23, 3112-3121.	1.2	23
66	Multiferroic ceramics in BaO- $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> -Nb <sub>2</sub> O <sub>5</sub> system. <i>Ceramics International</i> , 2010, 36, 2415-2420.	2.3	23
67	Dielectric relaxation and polaronic hopping in Al-substituted Sm <sub>1.5</sub> Sr <sub>0.5</sub> NiO <sub>4</sub> ceramics. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 495402.	1.3	23
68	Enhanced giant dielectric response in Al-substituted La <sub>1.75</sub> Sr <sub>0.25</sub> NiO <sub>4</sub> ceramics. <i>Journal of Alloys and Compounds</i> , 2010, 507, 230-235.	2.8	23
69	Effect of (Sr <sub>0.7</sub> Ca <sub>0.3</sub> )TiO <sub>3</sub> -substitution on structure, dielectric, ferroelectric, and magnetic properties of BiFeO <sub>3</sub> ceramics. <i>Journal of Applied Physics</i> , 2016, 119, .	1.1	23
70	SrLn <sub>2</sub> Al <sub>2</sub> O <sub>7</sub> (Ln=La, Nd, Sm) Microwave Dielectric Ceramic New Materials. <i>International Journal of Applied Ceramic Technology</i> , 2013, 10, E177.	1.1	21
71	Defect dipoles induced high-energy storage density in Mn-doped BST ceramics prepared by spark plasma sintering. <i>Journal of the American Ceramic Society</i> , 2019, 102, 1904-1911.	1.9	21
72	Effects of Sr <sub>2</sub> Nb <sub>2</sub> O <sub>7</sub> additive on microstructure and mechanical properties of 3Y-TZP/Al <sub>2</sub> O <sub>3</sub> ceramics. <i>Ceramics International</i> , 2002, 28, 209-215.	2.3	20

#	ARTICLE	IF	CITATIONS
73	Structure Evolution and Enhanced Microwave Dielectric Characteristics of $(\text{Sr}_{1-x}\text{Ca}_x)_2\text{LaAl}_2\text{O}_7$ Ceramics. <i>Journal of the American Ceramic Society</i> , 2014, 97, 3531-3536.	1.9	20
74	Enhanced ferroelectricity, piezoelectricity and ferromagnetism in $(\text{Ba}_{0.75}\text{Ca}_{0.25})\text{TiO}_3$ modified $\text{BiFeO}_3$ multiferroic ceramics. <i>Journal of Alloys and Compounds</i> , 2016, 658, 973-980.	2.8	19
75	CoO microspheres and metallic Co evolved from hexagonal $\text{Li}-\text{Co}(\text{OH})_2$ plates in a hydrothermal process for lithium storage and magnetic applications. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 595-604.	1.3	19
76	First-order phase transition and unexpected rigid rotation mode in hybrid improper ferroelectric $(\text{La}, \text{Tj})\text{ETQqO}$ . <i>Overlock 10 Tf 5</i>	2.8	19
77	Crystal structures, dielectric properties, and phase transition in hybrid improper ferroelectric $\text{Sr}_3\text{Sn}_2\text{O}_7$ -based ceramics. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	19
78	Crystal Structure and Ferroelectric Behaviors of $\text{Ba}_5\text{SmTi}_3\text{Ta}_7\text{O}_{30}$ and $\text{Ba}_4\text{Sm}_2\text{Ti}_4\text{Ta}_6\text{O}_{30}$ Tungsten Bronze Ceramics. <i>Journal of the American Ceramic Society</i> , 2010, 93, 782-786.	1.9	18
79	Dielectric and Ferroelectric Characteristics of $\text{Ba}_5\text{NdFe}_{1.5}\text{Nb}_{8.5}\text{O}_{30}$ Tungsten Bronze Ceramics. <i>Journal of the American Ceramic Society</i> , 2010, 93, 3573-3576.	1.9	18
80	Dielectric properties of $\text{La}_{1.75}\text{Ba}_{0.25}\text{NiO}_4$ ceramics prepared by spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2010, 490, 605-608.	2.8	18
81	Effects of oxygen-deficiency on crystal structure, dielectric and ferroelectric properties in $\text{Sr}_5\text{SmTi}_{3+2x}\text{Nb}_{7-2x}\text{O}_{30-x}$ with tungsten bronze structure. <i>RSC Advances</i> , 2017, 7, 27370-27376.	1.7	18
82	Structure and microwave dielectric characteristics of $\text{Sr}_2[\text{Ti}_{1-x}(\text{Al}_{0.5}\text{Nb}_{0.5})_x]\text{O}_{14}$ ( $x=0.50$ ) ceramics. <i>Journal of the American Ceramic Society</i> , 2019, 102, 6137-6146.	1.9	18
83	Effect of excess oxygen on crystal structures and dielectric responses of $\text{Nd}_2\text{NiO}_4$ ceramics. <i>Journal of Alloys and Compounds</i> , 2013, 579, 502-506.	2.8	17
84	Dielectric and ferroelectric properties of $\text{Ba}_{1-x}\text{Sr}_x\text{TiO}_3$ ceramics: effects of grain size and ferroelectric domain. <i>Advances in Applied Ceramics</i> , 2013, 112, 270-276.	0.6	17
85	Preparation, Dielectric, and Magnetic Characteristics of $\text{LuFe}_2\text{O}_4$ Ceramics. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2506-2509.	1.9	17
86	Giant room-temperature magnetodielectric coupling in spark plasma sintered brownmillerite ceramics. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	17
87	Dielectric and ferroelectric characteristics of $[(\text{Bi}_{0.5}\text{Na}_{0.5})_{0.94}\text{Ba}_{0.06}]_{1-x}\text{Sr}_x\text{TiO}_3$ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 1517-1526.	1.1	17
88	Structure and microwave dielectric characteristics of $\text{Sr}(\text{La}_{1-x}\text{Sm}_x)_2\text{Al}_2\text{O}_7$ ceramics. <i>RSC Advances</i> , 2016, 6, 96229-96236.	1.7	17
89	Structure evolution and improved microwave dielectric characteristics in $\text{CaTi}_{1-x}(\text{Al}_{0.5}\text{Nb}_{0.5})_x\text{O}_3$ ceramics. <i>Journal of Alloys and Compounds</i> , 2020, 845, 155435.	2.8	17
90	Microwave dielectric characteristics of $\text{SrLaGaO}_4$ and $\text{SrNdGaO}_4$ ceramics. <i>Journal of the European Ceramic Society</i> , 2006, 26, 1969-1971.	2.8	16

#	ARTICLE	IF	CITATIONS
91	Upper limit of x in Ba <sub>6-3x</sub> Nd <sub>8+2x</sub> Ti <sub>18</sub> O <sub>54</sub> new tungsten bronze solid solution. Journal of the European Ceramic Society, 2007, 27, 3011-3016.	2.8	16
92	Giant dielectric response in (Sm <sub>1-x</sub> Nd <sub>x</sub> ) <sub>1.5</sub> Sr <sub>0.5</sub> NiO <sub>4</sub> ceramics: The intrinsic and extrinsic effects. Journal of Applied Physics, 2012, 112, 024104.	1.1	16
93	Relaxor nature in lead-free Sr <sub>5</sub> LaTi <sub>3</sub> Nb <sub>7</sub> O <sub>30</sub> tetragonal tungsten bronze ceramics. Journal of Applied Physics, 2013, 114, .	1.1	16
94	Improved hybrid improper ferroelectricity in B-site substituted Ca <sub>3</sub> Ti <sub>2</sub> O <sub>7</sub> ceramics with a Ruddlesden-Popper structure. Journal of Applied Physics, 2020, 128, .	1.1	16
95	Enhanced hybrid improper ferroelectricity in Sr <sub>3-x</sub> Ba <sub>x</sub> Sn <sub>2</sub> O <sub>7</sub> ceramics with a Ruddlesden-Popper (R-P) structure. Applied Physics Letters, 2020, 116, .	1.5	16
96	Toughening of 8Y-FSZ Ceramics by Neodymium Titanate Secondary Phase. Journal of the American Ceramic Society, 2005, 88, 456-458.	1.9	15
97	Giant dielectric response and polaronic hopping in Al-substituted A <sub>5/3</sub> Sr <sub>1/3</sub> NiO <sub>4</sub> (A=La, Nd) ceramics. Ceramics International, 2014, 40, 5583-5590.	2.3	15
98	Crystal Structure and Infrared Reflection Spectra of SrLn <sub>2</sub> Al <sub>2</sub> O <sub>7</sub> (Ln = La, Nd, Sm) Microwave Dielectric Ceramics. International Journal of Applied Ceramic Technology, 2015, 12, E33.	1.1	15
99	Hybrid improper ferroelectricity and possible ferroelectric switching paths in Sr <sub>3</sub> Hf <sub>2</sub> O <sub>7</sub> . Journal of Applied Physics, 2019, 125, .	1.1	15
100	Microstructures and mechanical properties of 8Y-FSZ ceramics with BaTiO <sub>3</sub> additive. Ceramics International, 2004, 30, 2269-2275.	2.3	14
101	Stability and microwave dielectric characteristics of (Ca <sub>1-x</sub> Sr <sub>x</sub> )LaAlO <sub>4</sub> ceramics. Journal of Electroceramics, 2008, 21, 154-159.	0.8	14
102	Giant dielectric response and polaronic hopping in charge-ordered ceramics. Solid State Communications, 2010, 150, 1794-1797.	0.9	14
103	Density functional investigations on electronic structures, magnetic ordering and ferroelectric phase transition in multiferroic Bi <sub>2</sub> NiMnO <sub>6</sub> . AIP Advances, 2012, 2, .	0.6	14
104	Evolution of structure, dielectric properties, and re-entrant relaxor behavior in Ba <sub>5</sub> LaxSm <sub>1-x</sub> Ti <sub>3</sub> Nb <sub>7</sub> O <sub>30</sub> (x=0.1, 0.25, 0.5) tungsten bronze ceramics. Journal of Applied Physics, 2013, 114, 044106.		14
105	Ba <sub>4</sub> R <sub>2</sub> Sn <sub>4</sub> Nb <sub>6</sub> O <sub>30</sub> (R = La, Nd, Sm) lead-free relaxors with filled tungsten bronze structure. Journal of the American Ceramic Society, 2019, 102, 4721-4729.	1.9	14
106	Dielectric and mechanical characteristics of lanthanum aluminate ceramics with strontium niobate addition. Journal of the European Ceramic Society, 2004, 24, 1999-2004.	2.8	13
107	Ba[(Fe <sub>0.9</sub> Al <sub>0.1</sub> ) <sub>0.5</sub> Ta <sub>0.5</sub> ]O <sub>3</sub> ceramics with extended giant dielectric constant step and reduced dielectric loss. Journal of Applied Physics, 2009, 105, 034114.	1.1	13
108	Ultra low loss (Mg <sub>1-x</sub> Ca <sub>x</sub> ) <sub>2</sub> SiO <sub>4</sub> dielectric ceramics (x=0 to 0.15) for millimeter wave applications. Journal of the American Ceramic Society, 2022, 105, 2010-2019.	1.9	13



#	ARTICLE	IF	CITATIONS
109	Dielectric and Ferroelectric Characterization of Na(Ta,Nb)O <sub>3</sub> Solid Solution Ceramics. Journal of Electroceramics, 2005, 15, 21-26.	0.8	12
110	Thermal Expansion and High-Temperature Phase Transition of Ba <sub>6-x</sub> Ln <sub>8+2x</sub> Ti <sub>18</sub> O <sub>54</sub> (Ln=La, Nd, and Tj ETQq1 0 0 rgBT /Overloc	1.1	12
111	Structure, magnetic and dielectric properties in Mn-substituted Sm <sub>1.5</sub> Sr <sub>0.5</sub> NiO <sub>4</sub> ceramics. Journal of Applied Physics, 2011, 110, .	1.1	12
112	Significantly enhanced ferroelectricity and magnetic properties in (Sr <sub>0.5</sub> Ca <sub>0.5</sub> )TiO <sub>3</sub> -modified BiFeO <sub>3</sub> ceramics. Journal of Applied Physics, 2015, 117, 174101.	1.1	12
113	Structural evolution and enhanced microwave dielectric properties in Sr <sup>2+</sup> /Ti <sup>4+</sup> co-substituted SrNd <sub>2</sub> Al <sub>2</sub> O <sub>7</sub> ceramics. Journal of Alloys and Compounds, 2018, 758, 25-31.	2.8	12
114	Conductive, dielectric and magnetic properties of Y-substituted LaFeO <sub>3</sub> ceramics. Journal of Alloys and Compounds, 2019, 792, 665-672.	2.8	12
115	Structure and Microwave Dielectric Characteristics of Ca[(Ga <sub>1/2</sub> Nb <sub>1/2</sub> ) <sub>1-x</sub> Ti <sub>x</sub> ]O <sub>3</sub> Ceramics. Journal of the American Ceramic Society, 2015, 98, 3185-3191.	1.9	11
116	Structure and microwave dielectric properties of SrSmAlO <sub>4</sub> -Sr <sub>2</sub> TiO <sub>4</sub> solid solutions. Journal of Electroceramics, 2015, 34, 114-121.	0.8	11
117	Crossover from normal to relaxor ferroelectric in Sr <sub>0.25</sub> Ba <sub>0.75</sub> (Nb <sub>1-x</sub> Tax) <sub>2</sub> O <sub>6</sub> ceramics with tungsten bronze structure. Applied Physics Letters, 2020, 117, .	1.5	11
118	Structure, dielectric and magnetic properties of Ba <sub>6</sub> FeNb <sub>9</sub> O <sub>30</sub> tungsten bronze ceramics. Journal of Materials Science: Materials in Electronics, 2011, 22, 866-871.	1.1	10
119	Giant dielectric constant in Nd <sub>2</sub> NiO <sub>4</sub> + $\hat{\Gamma}$ ceramics obtained by spark plasma sintering. Ceramics International, 2011, 37, 2423-2427.	2.3	10
120	Eu <sup>2+</sup> -substitution $\hat{\Gamma}$ -induced commensurate phase with enhanced ferroelectric property in Ba <sub>4</sub> (Eu <sub>x</sub> La <sub>1-x</sub> ) <sub>2</sub> Fe <sub>2</sub> Nb <sub>8</sub> O <sub>30</sub> multiferroics. Journal of the American Ceramic Society, 2019, 102, 1748-1757.	2.8	10
121	Magnetolectric effect in Sm-substituted tungsten bronze structure Ba <sub>4</sub> (Sm La <sub>1-x</sub> ) <sub>2</sub> Fe <sub>2</sub> Nb <sub>8</sub> O <sub>30</sub> ceramics. Journal of Alloys and Compounds, 2019, 786, 126-133.	2.8	10
122	Review of experimental progress of hybrid improper ferroelectricity in layered perovskite oxides. Journal Physics D: Applied Physics, 2022, 55, 113001.	1.3	10
123	Microstructures and dielectric properties of CaTiO <sub>3</sub> $\hat{\Gamma}$ LaSrAlO <sub>4</sub> composite ceramics. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 110, 296-301.	1.7	9
124	Magnetic properties and magnetoresistance of polycrystalline SrLaCoO <sub>4</sub> . Solid State Communications, 2005, 136, 576-579.	0.9	9
125	Polarization $\hat{\Gamma}$ electric field relations of ferroelectric/antiferroelectric layered ceramics in Pb(Nb, Zr, Tj ETQq1 1 0.784314 rgBT /Overloc	2.7	9
126	Hydrothermal derived barium niobate ultra-fine powders and nanowires. Journal of Alloys and Compounds, 2008, 453, 463-469.	2.8	9



#	ARTICLE	IF	CITATIONS
127	Morphotropic phase boundary (MPB) and enhanced multiferroic characteristics of Bi <sub>1-x</sub> (Ba <sub>0.75</sub> Ca <sub>0.25</sub> ) <sub>x</sub> Fe <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> ceramics (0.25 ≤ x ≤ 0.35). Journal of Alloys and Compounds, 2020, 819, 153031.	2.8	9
128	Magnetolectric coupling in Sm substituted 0.67BiFeO <sub>3</sub> -0.33BaTiO <sub>3</sub> ceramics. Journal of Alloys and Compounds, 2022, 901, 163681.	2.8	9
129	Cation Ordering and Domain Boundaries in Ca[(Mg <sub>1/3</sub> Ta <sub>2/3</sub> ) <sub>1-x</sub> Ti <sub>x</sub> ]O <sub>3</sub> Microwave Dielectric Ceramics. Journal of the American Ceramic Society, 2008, 91, 2581-2587.	1.9	8
130	Dielectric relaxation in LaSrCo <sub>1-x</sub> Al <sub>x</sub> O <sub>4</sub> ceramics. Applied Physics A: Materials Science and Processing, 2010, 100, 1131-1135.	1.1	8
131	Solubility limits and microwave dielectric properties of Ba <sub>6-3x</sub> Sm <sub>8+2x</sub> Ti <sub>18</sub> O <sub>54</sub> solid solution. Ceramics International, 2011, 37, 3575-3581.	2.3	8
132	Ferroelectric phase transition and low-temperature dielectric relaxations in Sr <sub>4</sub> (La <sub>1-x</sub> Sm <sub>x</sub> ) <sub>2</sub> Ti <sub>4</sub> Nb <sub>6</sub> O <sub>30</sub> ceramics. Journal of Applied Physics, 2011, 110, .	1.1	8
133	Dielectric and Magnetic Properties of (Sr <sub>1/2</sub> Fe <sub>1/2</sub> ) <sub>x</sub> (Sr <sub>1/2</sub> Ta <sub>1/2</sub> ) <sub>1-x</sub> O <sub>3</sub> Complex Perovskite Ceramics. Journal of the American Ceramic Society, 2013, 96, 1188-1192.	1.9	8
134	Magnetic Properties of CeMn <sub>2-x</sub> Co <sub>x</sub> Ge <sub>4</sub> O <sub>12</sub> (0 ≤ x ≤ 2) as a Function of Temperature and Magnetic Field. Inorganic Chemistry, 2017, 56, 2750-2762.	1.9	8
135	Oxygen-vacancy-induced reversible control of ferroelectric polarization in Ba <sub>4</sub> Eu <sub>2</sub> Fe <sub>2</sub> Nb <sub>8</sub> O <sub>30</sub> ceramics. Journal of Applied Physics, 2018, 124, .	1.1	8
136	Giant Dielectric Response up to High Frequency in Sm <sub>1.75</sub> Sr <sub>0.25</sub> NiO <sub>4</sub> Ceramics. Ferroelectrics, 2009, 388, 161-166.	0.3	7
137	Effects of Ba substitution on structure and dielectric response of Bi <sub>2</sub> Mn <sub>4</sub> O <sub>10</sub> ceramics. Materials Chemistry and Physics, 2010, 121, 326-329.	2.0	7
138	Structural chemistry and magnetic properties of Y <sub>2</sub> CoGe <sub>4</sub> O <sub>12</sub> . Journal of Solid State Chemistry, 2015, 228, 183-188.	1.4	7
139	Topological ferroelectricity in layered perovskite LaTaO <sub>4</sub> : A first principles study. Solid State Communications, 2016, 247, 31-35.	0.9	7
140	Property-structure relationship in lead-free relaxors Ba <sub>5</sub> R <sub>3</sub> Nb <sub>7</sub> O <sub>30</sub> with tungsten bronze structure. Applied Physics Letters, 2018, 113, 142902.	1.5	7
141	Electrocaloric effect and pyroelectric energy harvesting in diffuse ferroelectric Ba(Ti <sub>1-x</sub> Ce <sub>x</sub> )O <sub>3</sub> ceramics. Journal of Electroceramics, 2019, 43, 106-116.	0.8	7
142	Microstructures and mechanical properties of Sr <sub>2</sub> Nb <sub>2</sub> O <sub>7</sub> -toughened 3Y-TZP ceramics. Ceramics International, 2003, 29, 635-640.	2.3	6
143	Phase Transition in Ba <sub>6-3x</sub> (Sm <sub>1-y</sub> La <sub>y</sub> ) <sub>6+2x</sub> Ti <sub>18</sub> O <sub>54</sub> (x=0.5) Ceramics. Journal of the American Ceramic Society, 2006, 89, 060613004617009-???	1.9	6
144	Dielectric relaxation and polaronic hopping in the single-layered perovskite La <sub>1.5</sub> Sr <sub>0.5</sub> CoO <sub>4</sub> ceramics. Journal of Materials Science, 2011, 46, 6339-6343.	1.7	6

#	ARTICLE	IF	CITATIONS
145	Ferroelectric and dielectric properties in $\text{Ba}_{0.5}\text{SmFe}_{1.5}\text{Nb}_{0.8}\text{O}_{30}$ tungsten bronze ceramics. <i>Advances in Applied Ceramics</i> , 2013, 112, 412-418.	0.6	6
146	Local Structure Evolution in $\text{Ba}$ -Substituted $\text{Pb}$ ( $\text{Ba}/\text{Pb}$ ) ( $\text{Fe}/\text{Nb}$ ) ( $1/2$ ) ( $1/2$ ) ( $\text{Nb}$ ) ( $\text{O}$ ) Ceramics. <i>Journal of the American Ceramic Society</i> , 2014, 97, 2880-2884.		
147	Structure and microwave dielectric characteristics of $(\text{Sr}_{1-x}\text{Ca}_x)\text{Nd}_2\text{Al}_2\text{O}_7$ ceramics. <i>Materials Chemistry and Physics</i> , 2014, 147, 162-167.	2.0	6
148	The origin of enhanced magnetodielectric effect in $\text{Y}_{3-x}\text{Yb}_x\text{Fe}_5\text{O}_{12}$ ceramics. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	6
149	Ferroelectric transitions and relaxor behavior in $\text{Ba}_4\text{Sm}_2(\text{Ti}_{1-x}\text{Zr}_x)_4\text{Ta}_6\text{O}_{30}$ tungsten bronze ceramics. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	6
150	A-site partially ordered $\text{La}_{0.5}\text{Y}_{0.5}\text{FeO}_3$ and its multiferroic characteristics. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	6
151	$(\text{Sr}_{1-x}\text{Ca}_x)_2\text{TiO}_4$ microwave dielectric ceramics with $\text{P}$ structure ( $x = 0-0.15$ ). <i>International Journal of Applied Ceramic Technology</i> , 2019, 16, 2040-2046.	1.1	6
152	Enhanced hybrid improper ferroelectricity in $\text{Fe}/\text{Nb}$ cosubstituted $\text{Ca}_3\text{Mn}_2\text{O}_7$ ceramics. <i>Journal of the American Ceramic Society</i> , 2021, 104, 4000-4013.	1.9	6
153	Polarization Mechanism in Filled Tungsten Bronze $\text{Ba}_4\text{Eu}_2\text{Ti}_4\text{Nb}_6\text{O}_{30}$ with Pinched $\text{P}-\text{E}$ Hysteresis Loops. <i>Chinese Physics Letters</i> , 2021, 38, 047701.	1.3	6
154	Electric-field-controlled magnetism due to field-induced transition of $\text{Pna}21/\text{R}3\text{c}$ in $\text{Bi}_{1-x}\text{Gd}_x\text{FeO}_3$ ceramics. <i>Journal of Materiomics</i> , 2021, 7, 967-975.	2.8	6
155	Structures and electrical conductivity of $\text{CaNdFeO}_4$ ceramics. <i>Journal of Electroceramics</i> , 2008, 21, 487-490.	0.8	5
156	Phase Transition Domains in $\text{Ca}$ -based Complex Perovskite Dielectric Ceramics. <i>Journal of the American Ceramic Society</i> , 2012, 95, 2979-2988.	1.9	5
157	Contribution of oxygen vacancies to the giant dielectric response in $\text{Sm}_{1.5}\text{Sr}_{0.5}\text{NiO}_4$ ceramics. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 116, 1421-1427.	1.1	5
158	Giant dielectric response with reduced loss in ceramics with nominal composition of $\text{La}_{1.5}\text{Sr}_{0.5}\text{NiO}_4\text{-SiO}_2$ . <i>Journal of Electroceramics</i> , 2016, 37, 73-78.	0.8	5
159	Effects of Sr-substitution on structure, dielectric, ferroelectric and magnetic properties of $(\text{Sr}_x\text{Ba}_{1-x})_4\text{Sm}_2\text{Fe}_2\text{Nb}_8\text{O}_{30}$ ceramics. <i>Journal of Alloys and Compounds</i> , 2019, 770, 143-148.	2.8	5
160	Pinched $\text{P}-\text{E}$ hysteresis loops in $\text{Ba}_4\text{Sm}_2\text{Fe}_{0.5}\text{Ti}_3\text{Nb}_6.5\text{O}_{30}$ ceramic with tungsten bronze structure. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	5
161	Hybrid improper ferroelectricity in $\text{A}$ -site cation ordered $\text{Li}_2\text{La}_2\text{Ti}_3\text{O}_{10}$ ceramic with triple-layer Ruddlesden-Popper structure. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	5
162	Dielectric and magnetic characteristics of $\text{LuFeMgO}_4$ ceramics. <i>Journal of Applied Physics</i> , 2010, 108, .	1.1	4

#	ARTICLE	IF	CITATIONS
163	Dielectric Characteristics in BiFeO <sub>3</sub> -Modified SrTiO <sub>3</sub> Incipient Ferroelectric Ceramics. Chinese Physics Letters, 2015, 32, 025201.	1.3	4
164	A novel sol-gel route to synthesize (Sr <sub>0.5</sub> Ba <sub>0.5</sub> )Nb <sub>2</sub> O <sub>6</sub> ceramics with enhanced electrocaloric effect. Journal of Advanced Dielectrics, 2017, 07, 1750012.	1.5	4
165	Structure evolution and microwave dielectric characteristics of Ca[(Al <sub>0.5</sub> Ga <sub>0.5</sub> Nb <sub>0.5</sub> ) <sub>0.5</sub> Ti <sub>0.5</sub> ]O <sub>3</sub> ceramics. Journal of Alloys and Compounds, 2017, 693, 87-94.	2.8	4
166	Room-temperature multiferroic characteristics and unique vortex domain structures of Yb <sub>1-x</sub> In <sub>x</sub> FeO <sub>3</sub> solid solutions. Journal of the American Ceramic Society, 2021, 104, 6393-6403.	1.9	4
167	Microstructures and electric characteristics of SrNdCoO <sub>4</sub> ceramics with K <sub>2</sub> NiF <sub>4</sub> structure. Journal of Electroceramics, 2008, 21, 706-710.	0.8	3
168	Low Temperature Synthesis of ZnNb <sub>2</sub> O <sub>6</sub> Fine Powders by Wet-Chemical Processes. Ferroelectrics, 2009, 388, 114-119.	0.3	3
169	Aging effect and metastable ferroelectric state in Ba <sub>4</sub> Eu <sub>2</sub> (Ti <sub>0.9</sub> Zr <sub>0.1</sub> ) <sub>4</sub> Ta <sub>6</sub> O <sub>30</sub> tetragonal tungsten bronze ceramic. Applied Physics Letters, 2019, 114, 082902.	1.5	3
170	High dielectric constant in (1-x)SrTiO <sub>3</sub> /xCuO composite ceramics. Journal of Electroceramics, 2008, 21, 757-760.	0.8	2
171	Dielectric, Ferroelectric, and Magnetic Characteristics of LuFeCuO <sub>4</sub> Ceramics. Journal of the American Ceramic Society, 2012, 95, 977-981.	1.9	2
172	Simultaneously enhanced ferroelectric and magnetic properties in Fe-substituted Ba <sub>4</sub> Sm <sub>2</sub> FeTi <sub>4-2</sub> Nb <sub>6+O</sub> 30 ceramics. Journal of Alloys and Compounds, 2019, 775, 1199-1205.	2.8	2
173	Hybrid improper ferroelectricity and pressure-induced enhancement of polarization in Ba <sub>4</sub> Sm <sub>2</sub> FeTi <sub>4-2</sub> Nb <sub>6+O</sub> 30 ceramics. Journal of Alloys and Compounds, 2019, 775, 1199-1205.	0.9	2
174	Hybrid improper ferroelectricity and multiferroic in Ruddlesden-Popper structures. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 157503.	0.2	2
175	Modified ferroelectricity in multiferroic Ba <sub>4</sub> Nd <sub>2</sub> Fe <sub>2</sub> Nb <sub>8</sub> O <sub>30</sub> ceramics via atmosphere treatment. Journal of Materials Science: Materials in Electronics, 2022, 33, 16414-16424.	1.1	2
176	Distortion modes and ferroelectric properties in hybrid improper ferroelectric Sr <sub>3</sub> (Sn,Zr) <sub>2</sub> O <sub>7</sub> ceramics. Journal of Applied Physics, 2022, 131, .	1.1	1
177	Enhanced multiferroic characteristics in hexagonal ScMn <sub>1-x</sub> Fe <sub>x</sub> O <sub>3</sub> ceramics. Journal of Applied Physics, 2021, 129, 134101.	1.1	0