

Zhenxing Yue

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

85
papers

1,202
citations

19
h-index

29
g-index

88
ext. papers

1,401
ext. citations

3.2
avg, IF

4.31
L-index

#	Paper	IF	Citations
85	Structure, defects, and microwave dielectric properties of Al-doped and Al/Nd co-doped Ba ₄ Nd _{9.33} Ti ₁₈ O ₅₄ ceramics. <i>Journal of Advanced Ceramics</i> , 2022 , 11, 629-640	10.7	2
84	Microwave and terahertz properties of porous Ba ₄ (Sm,Nd,Bi) _{28/3} Ti ₁₈ O ₅₄ ceramics obtained by sacrificial template method. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 5679-5688	3.8	3
83	Ultrahigh energy storage density and charge-discharge performance in novel sodium bismuth titanate-based ceramics. <i>Journal of the American Ceramic Society</i> , 2021 , 104, 936-947	3.8	9
82	Physical properties and structure characteristics of titanium-modified antimony-selenium phase change thin film. <i>Applied Physics Letters</i> , 2021 , 118, 081903	3.4	4
81	Phonon characteristics and intrinsic properties of single phase ZnWO ₄ ceramic. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 6192-6198	2.1	2
80	Improved charge-discharge cycling durability of PVDF dielectrics with MgO nanofillers. <i>Applied Physics Letters</i> , 2020 , 116, 172902	3.4	1
79	Enhancement of dielectric properties and energy storage performance in 3Y-TZP ceramics with BaTiO ₃ additives. <i>International Journal of Applied Ceramic Technology</i> , 2020 , 17, 1362-1370	2	4
78	Crystal structure, dielectric properties, and lattice vibrational characteristics of LiNiPO ₄ ceramics sintered at different temperatures. <i>Journal of the American Ceramic Society</i> , 2020 , 103, 2528-2539	3.8	20
77	Internal relations between crystal structures and dielectric properties of (1-x)BaWO ₄ -xTiO ₂ composite ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 19961-19973	2.1	0
76	Investigation of significant magnetic transformation for hydrogenated ZnFe ₂ O ₄ nanoparticles. <i>Journal of Materials Science</i> , 2020 , 55, 1464-1474	4.3	3
75	Influences of sintering atmosphere on the magnetic and electrical properties of barium hexaferrites. <i>AIP Advances</i> , 2019 , 9, 085129	1.5	4
74	Microwave dielectric properties and thermally stimulated depolarization of Al-doped Ba ₄ (Sm,Nd) _{9.33} Ti ₁₈ O ₅₄ ceramics. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 5494-5502	3.8	14
73	A First-Principles Study on the Multiferroic Property of Two-Dimensional BaTiO ₃ (001) Ultrathin Film with Surface Ba Vacancy. <i>Nanomaterials</i> , 2019 , 9,	5.4	5
72	High-Q and temperature-stable microwave dielectrics in layer cofired Zn _{1.01} Nb ₂ O ₆ /TiO ₂ /Zn _{1.01} Nb ₂ O ₆ ceramic architectures. <i>Journal of the American Ceramic Society</i> , 2019 , 102, 342-350	3.8	15
71	MgTiO ₃ /TiO ₂ /MgTiO ₃ : An ultrahigh-Q and temperature-stable microwave dielectric ceramic through cofired trilayer architecture. <i>Ceramics International</i> , 2018 , 44, 21000-21003	5.1	18
70	Improvement in microwave dielectric properties of Sr ₂ TiO ₄ ceramics through post-annealing treatment. <i>Journal of Electroceramics</i> , 2018 , 41, 67-72	1.5	6
69	Phase transition and piezoelectricity of BaZrO ₃ -modified (K,Na)NbO ₃ lead-free piezoelectric thin films. <i>Journal of the American Ceramic Society</i> , 2018 , 102, 2770	3.8	2

68	Epitaxially grown BaM hexaferrite films having uniaxial axis in the film plane for self-biased devices. <i>Scientific Reports</i> , 2017 , 7, 44193	4.9	12
67	Microwave dielectric properties and thermally stimulated relaxations of Ba _{0.6} Sr _{0.4} La ₄ Ti ₄ O ₁₅ TiO ₂ composite ceramics by flowing oxygen sintering. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 3400-3406	2.1	2
66	Novel Low-Firing Forsterite-Based Microwave Dielectric for LTCC Applications. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 1122-1124	3.8	34
65	Orientation Growth and Magnetic Properties of BaM Hexaferrite Films Deposited by Direct Current Magnetron Sputtering. <i>Journal of the American Ceramic Society</i> , 2016 , 99, 860-865	3.8	7
64	Thermally stable polymer/ceramic composites for microwave antenna applications. <i>Journal of Advanced Ceramics</i> , 2016 , 5, 269-276	10.7	12
63	Dielectric response and thermally stimulated depolarization current analysis of BaNd _{1.76} Bi _{0.24} Ti ₅ O ₁₄ high-temperature microwave capacitors. <i>Journal of Materials Science</i> , 2015 , 50, 1141-1149	4.3	10
62	Microwave Dielectric Properties and Thermally Stimulated Depolarization Currents of (1-x)MgTiO ₃ -xCa _{0.8} Sr _{0.2} TiO ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 1548-1554	3.8	40
61	Structure, Microwave Dielectric Properties and Thermally Stimulated Depolarization Currents of (1-x)Ba _{0.6} Sr _{0.4} La ₄ Ti ₄ O ₁₅ -xBa ₅ Nb ₄ O ₁₅ Solid Solutions. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 1245-1252	3.8	11
60	Microwave Dielectric Properties and Thermally Stimulated Depolarization Currents of (1-x)Ba(Mg _{1/3} Nb _{2/3})O ₃ -xBaSnO ₃ Solid Solutions. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 3942-3947	3.8	12
59	Highly (100)-Oriented Bi(Ni _{1/2} Hf _{1/2})O ₃ -PbTiO ₃ Relaxor-Ferroelectric Films for Integrated Piezoelectric Energy Harvesting and Storage System. <i>Journal of the American Ceramic Society</i> , 2015 , 98, 2968-2971	3.8	30
58	Tunable High-Frequency Properties of Co/Ni Ferromagnetic Nanowires Through Composition Modulation. <i>IEEE Transactions on Magnetics</i> , 2015 , 51, 1-6	2	1
57	Structure-Property Relationships of Ba[Ti _{1-x} (Ho _{0.5} Nb _{0.5}) _x]O ₃ (x = 0.05-0.90) Perovskite Ceramics. <i>Ferroelectrics</i> , 2014 , 459, 112-118	0.6	
56	Microwave Dielectric Properties and Thermally Stimulated Depolarization Currents of MgF ₂ -Doped Diopside Ceramics. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 3537-3543	3.8	27
55	High-frequency ferromagnetic resonance of Co nanowire arrays. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014 , 211, 1828-1833	1.6	8
54	Polarization Response and Thermally Stimulated Depolarization Current of BaTiO ₃ -based Y5V Ceramic Multilayer Capacitors. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 2921-2927	3.8	19
53	Microwave Dielectric Properties and Thermally Stimulated Depolarization Currents Study of (1-x)Ba _{0.6} Sr _{0.4} La ₄ Ti ₄ O ₁₅ -xTiO ₂ Ceramics. <i>Journal of the American Ceramic Society</i> , 2014 , 97, 3170-3176	3.8	17
52	High-Energy-Storage Density Capacitors of Bi(Ni _{1/2} Ti _{1/2})O ₃ -PbTiO ₃ Thin Films with Good Temperature Stability. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 2061-2064	3.8	48
51	Controlled synthesis of anatase TiO ₂ nanotube and nanowire arrays via AAO template-based hydrolysis. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 2552	13	39

50	Epitaxial Spinel Cobalt Ferrite Films Prepared by Two-Step Spin-Coating Method. <i>Ferroelectrics</i> , 2013 , 455, 62-68	0.6	2
49	Characterization of Domains Reorientation in Multilayer Piezoelectric Ceramic Actuators by Polarized Raman Spectroscopy. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 2766-2768	3.8	1
48	Field-induced domain switching in BaTiO ₃ -based multilayer ceramic capacitors observed by polarized Raman spectroscopy. <i>Applied Physics A: Materials Science and Processing</i> , 2012 , 109, 331-335	2.6	0
47	Structural Transitions and Microwave Dielectric Properties of (Ba, Sr) ₂ LnSbO ₆ (Ln = La, Pr, Nd, Sm, Gd, Dy) Double Perovskites. <i>Ferroelectrics</i> , 2012 , 435, 119-128	0.6	5
46	Microwave dielectric properties and low temperature sintering of Ba ₃ Ti ₄ (Mg _{1/3} Nb _{2/3}) _x Nb ₄ O ₂₁ ceramics with BaCu(B ₂ O ₅) addition. <i>Journal of Materials Science: Materials in Electronics</i> , 2012 , 23, 1449-1454	2.1	3
45	Structures and Microwave Dielectric Properties of Ba[Ti _{1-x} (Co _{0.5} W _{0.5}) _x]O ₃ (x = 0.40-0.90) Perovskite Ceramics. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 1645-1650	3.8	10
44	Structural Transitions and Microwave Dielectric Properties of Ba _{2-x} Sr _{2x} SmSbO ₆ Double Perovskites. <i>Journal of the American Ceramic Society</i> , 2012 , 95, 1665-1670	3.8	10
43	Microwave Dielectric Properties of Ba ₂ Ca _{1-x} Sr _x WO ₆ Double Perovskites. <i>Journal of the American Ceramic Society</i> , 2011 , 94, 2933-2938	3.8	18
42	Sol-gel synthesis, densification, and electrical properties of CuO-B ₂ O ₃ doped Ba _{6-x} R _{8+2x} Ti ₁₈ O ₅₄ (R = Nd) microwave dielectric ceramics. <i>Journal of Materials Science</i> , 2011 , 46, 1932-1936	4.3	4
41	Influence of CuO and B ₂ O ₃ on sintering and dielectric properties of tungsten bronze type microwave ceramics: a case study in Ba ₄ Nd _{9.3} Ti ₁₈ O ₅₄ . <i>Journal of Materials Science: Materials in Electronics</i> , 2011 , 22, 106-110	2.1	10
40	Energy-storage performance and electrocaloric effect in (100)-oriented Pb _{0.97} La _{0.02} (Zr _{0.95} Ti _{0.05})O ₃ antiferroelectric thick films. <i>Journal of Applied Physics</i> , 2011 , 110, 064109	2.5	77
39	Structural and Dielectric Characteristics in (1-x)Ba(Ni _{1/2} W _{1/2})O _{3-x} BaTiO ₃ Perovskite Solid Solutions. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 516-521	3.8	9
38	Microwave Dielectric Properties of Ba ₃ (VO ₄) ₂ Mg ₂ SiO ₄ Composite Ceramics. <i>Journal of the American Ceramic Society</i> , 2010 , 93, 359-361	3.8	38
37	Electric Field-Dependent Properties of BaTiO ₃ -Based Multilayer Ceramic Capacitors. <i>Ferroelectrics</i> , 2010 , 401, 56-60	0.6	12
36	Preparation and Microwave Dielectric Properties of TiO ₂ -Doped YAG Ceramics. <i>Ferroelectrics</i> , 2010 , 407, 69-74	0.6	8
35	Microwave Dielectric Properties of Ba(Zn _{1/3} Nb _{2/3})O ₃ -BaWO ₄ Composite Ceramics. <i>Ferroelectrics</i> , 2009 , 388, 88-92	0.6	1
34	Phase Characterization and Dielectric Properties of Zn ₂ SiO ₄ Ceramics Derived from a Sol-Gel Process. <i>Ferroelectrics</i> , 2009 , 387, 184-188	0.6	5
33	Effects of ZnO-V ₂ O ₅ substitution on the microstructure and microwave dielectric properties of ZnNb ₂ O ₆ ceramics. <i>Journal of Electroceramics</i> , 2008 , 21, 116-119	1.5	6

32	Low-temperature sintering and microwave dielectric properties of ZnTiO ₃ -based LTCC materials. <i>Journal of Electroceramics</i> , 2008 , 21, 141-144	1.5	11
31	Magnetic and dielectric properties of a double-percolating Ni _{0.3} Zn _{0.7} Fe _{1.95} O ₄ -Ni-polymer composite. <i>Journal of Electroceramics</i> , 2008 , 21, 385-389	1.5	4
30	Interfacial investigation of the Co-fired NiCuZn Ferrite/PMN composite prepared by tape casting. <i>Journal of Electroceramics</i> , 2008 , 21, 536-540	1.5	1
29	Characterizations of fatigue and crack growth of ferroelectrics under cyclic electric field. <i>Journal of Electroceramics</i> , 2008 , 21, 581-584	1.5	5
28	Investigation of ferroelectric phase transition for modified barium titanate in multilayer ceramic capacitors by in situ Raman scattering and dielectric measurement. <i>Applied Physics A: Materials Science and Processing</i> , 2008 , 91, 119-125	2.6	22
27	Evaluation of Residual Stress in a Multilayer Ceramic Capacitor and its Effect on Dielectric Behaviors Under Applied dc Bias Field. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 887-892	3.8	11
26	Processing and Piezoelectric Properties of (Na _{0.5} K _{0.5}) _{0.96} Li _{0.04} (Ta _{0.1} Nb _{0.9}) _{1-x} Cu _x O ₃ Lead-Free Ceramics. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 914-917	3.8	22
25	Low-Temperature Sintering and Microwave Dielectric Properties of Ba ₅ Nb ₄ O ₁₅ BaWO ₄ Composite Ceramics for LTCC Applications. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 3275-3279	3.8	28
24	Low-Temperature Sintering and Microwave Dielectric Properties of Ba ₃ (VO ₄) ₂ BaWO ₄ Ceramic Composites. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 3738-3741	3.8	29
23	Microstructure and Microwave Dielectric Properties of TiO ₂ -Doped Zn ₂ SiO ₄ Ceramics Synthesized Through the Sol-Gel Process. <i>Journal of the American Ceramic Society</i> , 2008 , 91, 3981-3985	3.8	60
22	Structure and Microwave Dielectric Properties of Hexagonal Ba[Ti _{1-x} (Ni _{1/2} W _{1/2}) _x]O ₃ Ceramics. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 2461-2466	3.8	19
21	Effects of Silver Doping on the Sol-Gel-Derived Ba ₄ (Nd _{0.7} Sm _{0.3}) _{9.33} Ti ₁₈ O ₅₄ Microwave Dielectric Ceramics. <i>Journal of the American Ceramic Society</i> , 2007 , 90, 3131-3137	3.8	13
20	Effect of electromagnetic environment on the dielectric resonance in the ferroelectric-ferromagnetic composite. <i>Applied Physics Letters</i> , 2006 , 89, 112907	3.4	15
19	Effects of Zinc Substitution on Crystal Structure and Microwave Dielectric Properties of CaLa ₄ Ti ₅ O ₁₇ Ceramics. <i>Journal of the American Ceramic Society</i> , 2006 , 89, 3421-3425	3.8	37
18	Preparation and Spontaneous Polarization/Magnetization of a New Ceramic Ferroelectric/Ferromagnetic Composite. <i>Journal of the American Ceramic Society</i> , 2005 , 87, 1848-1852	3.8	46
17	Low temperature sintered ZnNb ₂ O ₆ microwave dielectric ceramics doped with ZnO-V ₂ O ₅ additions. <i>Journal of Materials Science</i> , 2005 , 40, 6581-6583	4.3	14
16	Magnetic properties of composite Y-type hexagonal ferrites in a direct current magnetic field. <i>Journal of Applied Physics</i> , 2005 , 98, 063901	2.5	9
15	Low-Temperature Sintering and Electromagnetic Properties of Copper-Modified Z-type Hexaferrite. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 1180-1184	3.8	10

14	Preparation and microwave dielectric properties of Ba ₄ (Sm _{1-x} Nd _x) _{9.3} Ti ₁₈ O ₅₄ ceramics via a citrate sol-gel process. <i>Journal of Materials Science</i> , 2004 , 39, 1087-1089	4.3	3
13	Low temperature sintered ZnNb ₂ O ₆ microwave dielectric ceramics doped with CuO-Bi ₂ O ₃ -V ₂ O ₅ additions. <i>Journal of Materials Science Letters</i> , 2003 , 22, 595-597		8
12	Low-temperature sintered Ni-Zn manganite NTC ceramics prepared by a gel auto-combustion method. <i>Journal of Materials Science Letters</i> , 2002 , 21, 375-377		8
11	Low-fired microwave dielectrics in ZnO-TiO ₂ ceramics doped with CuO and B ₂ O ₃ . <i>Journal of Materials Science: Materials in Electronics</i> , 2002 , 13, 415-418	2.1	19
10	Microstructure and Physical Characteristics of Novel Z-Type Hexaferrite with Cu Modification 2002 , 9, 73-79		7
9	Dielectric behavior of Co ₂ Z hexagonal ferrites with multiple modifications. <i>Journal of Applied Physics</i> , 2002 , 91, 5230-5233	2.5	12
8	Microstructure and magnetic characteristics of low-temperature-fired modified Z-type hexaferrite with Bi ₂ O ₃ additive. <i>IEEE Transactions on Magnetics</i> , 2002 , 38, 1797-1802	2	28
7	Low-temperature sintered Mg-Zn-Cu ferrite prepared by auto-combustion of nitrate-citrate gel. <i>Journal of Materials Science Letters</i> , 2001 , 20, 1327-1329		43
6	Low-Temperature Sintering, Densification, and Properties of Z-type Hexaferrite with Bi ₂ O ₃ Additives. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 2889-2894	3.8	32
5	Crystallization and dielectric properties of cordierite gel-derived glasses containing B ₂ O ₃ and P ₂ O ₅ . <i>Ferroelectrics</i> , 2001 , 262, 31-36	0.6	5
4	Dielectric behavior and DC resistivity of Ba ₃ Co ₂ (1-x)Cu _{2x} Fe ₂₄ O ₄₁ (Co ₂ Z)Hexaferrite. <i>Ferroelectrics</i> , 2001 , 264, 157-162	0.6	2
3	Low dielectric constant borophosphosilicate glass-ceramics: Synthesis and properties. <i>Ferroelectrics</i> , 2001 , 262, 239-244	0.6	
2	Low-temperature sinterable cordierite glass-ceramics for high-frequency multilayer chip inductors. <i>Journal of Materials Science Letters</i> , 2000 , 19, 213-215		18
1	Microstructure and Microwave Dielectric Properties of (1-x)ZnNb ₂ O ₆ -xZnTa ₂ O ₆ Ceramics. <i>Ceramic Transactions</i> , 109-115	0.1	