

Zhenxing Yue

List of Publications by Year in descending order

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86
papers

1,595
citations

279487

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360668

35
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docs citations

88
times ranked

1339
citing authors

#	ARTICLE	IF	CITATIONS
1	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. Journal of Applied Physics, 2011, 110, .	1.1	86
2	Microstructure and Microwave Dielectric Properties of TiO ₂ -Doped Zn ₂ SiO ₄ Ceramics Synthesized Through the Sol-Gel Process. Journal of the American Ceramic Society, 2008, 91, 3981-3985.	1.9	68
3	Structure, defects, and microwave dielectric properties of Al-doped and Al/Nd co-doped Ba ₄ Nd _{9.33} Ti ₁₈ O ₅₄ ceramics. Journal of Advanced Ceramics, 2022, 11, 629-640.	8.9	59
4	Crystal structure, dielectric properties, and lattice vibrational characteristics of LiNiPO ₄ ceramics sintered at different temperatures. Journal of the American Ceramic Society, 2020, 103, 2528-2539.	1.9	57
5	High-Energy Storage Density Capacitors of Bi(Ni _{1/2} Ti _{1/2})O ₃ Thin Films with Good Temperature Stability. Journal of the American Ceramic Society, 2013, 96, 2061-2064.	1.9	55
6	Preparation and Spontaneous Polarization-Magnetization of a New Ceramic Ferroelectric-Ferromagnetic Composite. Journal of the American Ceramic Society, 2004, 87, 1848-1852.	1.9	46
7	Microwave Dielectric Properties and Thermally Stimulated Depolarization Currents of (1-x)MgTiO ₃ -xCa _{0.8} Sr _{0.2} TiO ₃ Ceramics. Journal of the American Ceramic Society, 2015, 98, 1548-1554.	1.9	46
8	Microwave Dielectric Properties of Ba ₃ (VO ₄) ₂ -Mg ₂ SiO ₄ Composite Ceramics. Journal of the American Ceramic Society, 2010, 93, 359-361.	1.9	45
9	Controlled synthesis of anatase TiO ₂ nanotube and nanowire arrays via AAO template-based hydrolysis. Journal of Materials Chemistry A, 2013, 1, 2552.	5.2	44
10	Low-temperature sintered Mg-Zn-Cu ferrite prepared by auto-combustion of nitrate-citrate gel. Journal of Materials Science Letters, 2001, 20, 1327-1329.	0.5	43
11	Novel Low-Firing Forsterite-Based Microwave Dielectric for LTCC Applications. Journal of the American Ceramic Society, 2016, 99, 1122-1124.	1.9	43
12	Effects of Zinc Substitution on Crystal Structure and Microwave Dielectric Properties of CaLa ₄ Ti ₅ O ₁₇ Ceramics. Journal of the American Ceramic Society, 2006, 89, 3421-3425.	1.9	41
13	Ultrahigh energy storage density and charge-discharge performance in novel sodium bismuth titanate-based ceramics. Journal of the American Ceramic Society, 2021, 104, 936-947.	1.9	37
14	Low-Temperature Sintering, Densification, and Properties of Zn-Type Hexaferrite with Bi ₂ O ₃ Additives. Journal of the American Ceramic Society, 2001, 84, 2889-2894.	1.9	35
15	Low-Temperature Sintering and Microwave Dielectric Properties of Ba ₃ (VO ₄) ₂ -BaWO ₄ Ceramic Composites. Journal of the American Ceramic Society, 2008, 91, 3738-3741.	1.9	34
16	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. Journal of the American Ceramic Society, 2019, 102, 342-350.	1.9	33
17	Microwave Dielectric Properties and Thermally Stimulated Depolarization Currents of MgF ₂ -Doped Diopside Ceramics. Journal of the American Ceramic Society, 2014, 97, 3537-3543.	1.9	32
18	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. Journal of the American Ceramic Society, 2015, 98, 2968-2971.	1.9	32

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19	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.	2.3	32
20	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.	1.9	29
21	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.	1.2	28
22	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.	1.9	26
23	Epitaxially grown BaM hexaferrite films having uniaxial axis in the film plane for self-biased devices. <i>Scientific Reports</i> , 2017, 7, 44193.	1.6	24
24	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.	1.1	23
25	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.	1.9	23
26	Polarization Response and Thermally Stimulated Depolarization Current of BaTiO ₃ -based Y ₅ V Ceramic Multilayer Capacitors. <i>Journal of the American Ceramic Society</i> , 2014, 97, 2921-2927.	1.9	23
27	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.	1.7	22
28	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.	1.9	22
29	Microwave Dielectric Properties and Thermally Stimulated Depolarization Currents Study of (La _x Bi _{1-x})Ba _{0.6} Sr _{0.4} La _x Bi _{1-x} Ceramics. <i>Journal of the American Ceramic Society</i> , 2014, 97, 3170-3176.	1.9	22
30	Thermally stable polymer-ceramic composites for microwave antenna applications. <i>Journal of Advanced Ceramics</i> , 2016, 5, 269-276.	8.9	22
31	Low-temperature sinterable cordierite glass-ceramics for high-frequency multilayer chip inductors. <i>Journal of Materials Science Letters</i> , 2000, 19, 213-215.	0.5	21
32	Microwave Dielectric Properties of Ba ₂ CaLa _x Sr _x WO ₆ Double Perovskites. <i>Journal of the American Ceramic Society</i> , 2011, 94, 2933-2938.	1.9	21
33	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.	1.1	20
34	Effect of electromagnetic environment on the dielectric resonance in the ferroelectric-ferromagnetic composite. <i>Applied Physics Letters</i> , 2006, 89, 112907.	1.5	19
35	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.	1.9	16
36	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.	1.9	16

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37	Dielectric behavior of Co ₂ Z hexagonal ferrites with multiple modifications. Journal of Applied Physics, 2002, 91, 5230-5233.	1.1	14
38	Microwave Dielectric Properties and Thermally Stimulated Depolarization Currents of (1-x)Ba(Mg _{1/3} Nb _{2/3})O ₃ -xBaSnO ₃ Solid Solutions. Journal of the American Ceramic Society, 2015, 98, 3942-3947.	1.9	14
39	Improvement in microwave dielectric properties of SrTiO ₄ ceramics through post-annealing treatment. Journal of Electroceramics, 2018, 41, 67-72.	0.8	14
40	Low-temperature sintering and microwave dielectric properties of ZnTiO ₃ -based LTCC materials. Journal of Electroceramics, 2008, 21, 141-144.	0.8	13
41	Evaluation of Residual Stress in a Multilayer Ceramic Capacitor and its Effect on Dielectric Behaviors Under Applied dc Bias Field. Journal of the American Ceramic Society, 2008, 91, 887-892.	1.9	13
42	Electric Field-Dependent Properties of BaTiO ₃ -Based Multilayer Ceramic Capacitors. Ferroelectrics, 2010, 401, 56-60.	0.3	13
43	Preparation and Microwave Dielectric Properties of TiO ₂ -Doped YAG Ceramics. Ferroelectrics, 2010, 407, 69-74.	0.3	13
44	Dielectric response and thermally stimulated depolarization current analysis of BaNd _{1.76} Bi _{0.24} Ti ₅ O ₁₄ high-temperature microwave capacitors. Journal of Materials Science, 2015, 50, 1141-1149.	1.7	13
45	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 _{1/3} Nb _{2/3} O ₃ Solid Solutions. Journal of the American Ceramic Society, 2015, 98, 1245-1252.	1.3	13
46	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 . Journal of Materials Science: Materials in Electronics, 2011, 22, 106-110.	1.1	12
47	Physical properties and structure characteristics of titanium-modified antimony-selenium phase change thin film. Applied Physics Letters, 2021, 118, .	1.5	12
48	Low temperature sintered ZnNb ₂ O ₆ microwave dielectric ceramics doped with CuO-Bi ₂ O ₃ -V ₂ O ₅ additions. Journal of Materials Science Letters, 2003, 22, 595-597.	0.5	11
49	Structures and Microwave Dielectric Properties of (x)Ba _{1-x} (x)Ti _{1-x} (x)Co _{0.5} (x)Perovskite Ceramics. Journal of the American Ceramic Society, 2012, 95, 1645-1650.	0.9	11
50	High-frequency ferromagnetic resonance of Co nanowire arrays. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1828-1833.	0.8	11
51	Low-temperature Sintering and Electromagnetic Properties of Copper-Modified Zn-type Hexaferrite. Journal of the American Ceramic Society, 2002, 85, 1180-1184.	1.9	10
52	Structural Transitions and Microwave Dielectric Properties of (x)Ba _{2-x} (x)Sr _{2-x} (x)SmSbO ₁₀ Double Perovskites. Journal of the American Ceramic Society, 2012, 95, 1665-1670.	1.5	10
53	Orientation Growth and Magnetic Properties of BaM Hexaferrite Films Deposited by Direct Current Magnetron Sputtering. Journal of the American Ceramic Society, 2016, 99, 860-865.	1.9	10
54	Magnetic properties of composite Y-type hexagonal ferrites in a direct current magnetic field. Journal of Applied Physics, 2005, 98, 063901.	1.1	9

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55	Structural and Dielectric Characteristics in $(1-x)Ba(Ni_{1/2}W_{1/2})O_3$ - $xBaTiO_3$ Perovskite Solid Solutions. Journal of the American Ceramic Society, 2010, 93, 516-521.	1.9	9
56	Phase transition and piezoelectricity of $BaZrO_3$ -modified $(K,Na)NbO_3$ lead-free piezoelectric thin films. Journal of the American Ceramic Society, 2019, 102, 2770-2780.	1.9	9
57	A First-Principles Study on the Multiferroic Property of Two-Dimensional $BaTiO_3$ (001) Ultrathin Film with Surface Ba Vacancy. Nanomaterials, 2019, 9, 269.	1.9	9
58	Low-temperature sintered Ni-Zn manganite NTC ceramics prepared by a gel auto-combustion method. Journal of Materials Science Letters, 2002, 21, 375-377.	0.5	8
59	Phase Characterization and Dielectric Properties of Zn_2SiO_4 Ceramics Derived from a Sol-Gel Process. Ferroelectrics, 2009, 387, 184-188.	0.3	8
60	Microstructure and Physical Characteristics of Novel Z-Type Hexaferrite with Cu Modification. , 2002, 9, 73-79.		7
61	Microwave dielectric properties and low temperature sintering of $Ba_3Ti_x(Mg_{1/3}Nb_{2/3})_xNb_4O_{21}$ ceramics with $BaCu(B_2O_5)$ addition. Journal of Materials Science: Materials in Electronics, 2012, 23, 1449-1454.	1.1	7
62	Enhancement of dielectric properties and energy storage performance in $3Y\text{-TZP}$ ceramics with $BaTiO_3$ additives. International Journal of Applied Ceramic Technology, 2020, 17, 1362-1370.	1.1	7
63	Effects of $ZnO \times V_2O_5$ substitution on the microstructure and microwave dielectric properties of $ZnNb_2O_6$ ceramics. Journal of Electroceramics, 2008, 21, 116-119.	0.8	6
64	Structural Transitions and Microwave Dielectric Properties of $(Ba, Sr)_2LnSbO_6$ ($Ln = La, Pr, Nd, Sm, Gd$). Journal of Applied Physics, 2008, 104, 094105.	0.8	6
65	Crystallization and dielectric properties of cordierite gel-derived glasses containing B_2O_3 and P_2O_5 . Ferroelectrics, 2001, 262, 31-36.	0.3	5
66	Magnetic and dielectric properties of a double-percolating $Ni_0.3Zn_0.7Fe_{1.95}O_4$ -Ni-polymer composite. Journal of Electroceramics, 2008, 21, 385-389.	0.8	5
67	Characterizations of fatigue and crack growth of ferroelectrics under cyclic electric field. Journal of Electroceramics, 2008, 21, 581-584.	0.8	5
68	Influences of sintering atmosphere on the magnetic and electrical properties of barium hexaferrites. AIP Advances, 2019, 9, 085129.	0.6	5
69	Investigation of significant magnetic transformation for hydrogenated $ZnFe_2O_4$ nanoparticles. Journal of Materials Science, 2020, 55, 1464-1474.	1.7	5
70	Phonon characteristics and intrinsic properties of single phase $ZnWO_4$ ceramic. Journal of Materials Science: Materials in Electronics, 2020, 31, 6192-6198.	1.1	5
71	Sol-gel synthesis, densification, and electrical properties of $CuO \times B_2O_3$ doped $Ba_{6-3x}R_{8+2x}Ti_{18}O_{54}$ ($R = Nd$) microwave dielectric ceramics. Journal of Materials Science, 2011, 46, 1932-1936.	1.7	4
72	Preparation and microwave dielectric properties of $Ba_4(Sm_{1-x}Nd_x)_9.3Ti_{18}O_{54}$ ceramics via a citrate sol-gel process. Journal of Materials Science, 2004, 39, 1087-1089.	1.7	3

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73	Epitaxial Spinel Cobalt Ferrite Films Prepared by Two-Step Spin-Coating Method. <i>Ferroelectrics</i> , 2013, 455, 62-68.	0.3	3
74	Improved charge/discharge cycling durability of PVDF dielectrics with MgO nanofillers. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	3
75	Dielectric behavior and DC resistivity of Ba ₃ Co ₂ (1-x)Cu ₂ XFe ₂ O ₄ 1(Co ₂ Z)Hexaferrite. <i>Ferroelectrics</i> , 2001, 264, 157-162.	0.3	2
76	Interfacial investigation of the Co-fired NiCuZn Ferrite/PMN composite prepared by tape casting. <i>Journal of Electroceramics</i> , 2008, 21, 536-540.	0.8	2
77	Microwave Dielectric Properties of Ba(Zn ^{1/3} Nb ^{2/3})O ₃ -BaWO ₄ Composite Ceramics. <i>Ferroelectrics</i> , 2009, 388, 88-92.	0.3	2
78	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.	1.1	2
79	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.	1.1	2
80	Low dielectric constant borophosphosilicate glass-ceramics: Synthesis and properties. <i>Ferroelectrics</i> , 2001, 262, 239-244.	0.3	1
81	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.	1.9	1
82	Tunable High-Frequency Properties of Co-Ni Ferromagnetic Nanowires Through Composition Modulation. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-6.	1.2	1
83	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.	1.1	1
84	Dielectric characteristics of Cu modified Z-type planar hexaferrite. , 0, , .		0
85	Origin of the cubic-to-hexagonal phase transition in the Ba ₂ NiWO ₆ -BaTiO ₃ system. , 2009, , .		0
86	Structure-Property Relationships of Ba[Ti ^x (Ho _{0.5} Nb _{0.5}) _x]O ₃ (x = 0.05~0.90) Perovskite Ceramics. <i>Ferroelectrics</i> , 2014, 459, 112-118.	0.3	0