Zhenxing Yue

List of Publications by Year
in descending order

86 papers	1,595 citations	279798 23 h-index	361022 35 g-index
88 all docs	88 docs citations	88 times ranked	1339 citing authors

#	Article	IF	Citations
1	Energy-storage performance and electrocaloric effect in (100)-oriented Pb0.97La0.02(Zr0.95Ti0.05)O3 antiferroelectric thick films. Journal of Applied Physics, 2011, 110, .	2.5	86
2	Microstructure and Microwave Dielectric Properties of TiO₂â€Doped Zn₂SiO₄ Ceramics Synthesized Through the Solâ€“Gel Process. Journal of the American Ceramic Society, 2008, 91, 3981-3985.	3.8	68
3	Structure, defects, and microwave dielectric properties of Al-doped and Al/Nd co-doped Ba4Nd9.33Ti18O54 ceramics. Journal of Advanced Ceramics, 2022, 11, 629-640.	17.4	59
4	Crystal structure, dielectric properties, and lattice vibrational characteristics of LiNiPO₄ ceramics sintered at different temperatures. Journal of the American Ceramic Society, 2020, 103, 2528-2539.	3.8	57
5	Highâ€“Energyâ€Storage Density Capacitors of <scp><scp>Bi</scp></scp>(<scp><scp>Ni</scp></scp>_{1/2}<scp><scp>Ti</scp></scp>_{1/2})<scp><scp>O</scp> Thin Films with Good Temperature Stability. Journal of the American Ceramic Society, 2013, 96, 2061-2064.	3.8	55
6	Preparation and Spontaneous Polarizationâ€“Magnetization of a New Ceramic Ferroelectricâ€“Ferromagnetic Composite. Journal of the American Ceramic Society, 2004, 87, 1848-1852.	3.8	46
7	Microwave Dielectric Properties and Thermally Stimulated Depolarization Currents of (1Ââ^Âx)MgTiO₃â€“xCa_{0.8}Sr_{0.2}TiO₃ Ceramics. Journal of the American Ceramic Society, 2015, 98, 1548-1554.	3.8	46
8	Microwave Dielectric Properties of Ba₃(VO₄)₂â€“Mg₂SiO₄Composite Ceramics. Journal of the American Ceramic Society, 2010, 93, 359-361.	3.8	45
9	Controlled synthesis of anatase TiO2 nanotube and nanowire arrays via AAO template-based hydrolysis. Journal of Materials Chemistry A, 2013, 1, 2552.	10.3	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 Lowâ€Firing Forsteriteâ€Based Microwave Dielectric for <scp>LTCC</scp> Applications. Journal of the American Ceramic Society, 2016, 99, 1122-1124.	3.8	43
12	Effects of Zinc Substitution on Crystal Structure and Microwave Dielectric Properties of CaLa4Ti5O17Ceramics. Journal of the American Ceramic Society, 2006, 89, 3421-3425.	3.8	41
13	Ultrahigh energy storage density and chargeâ€discharge performance in novel sodium bismuth titanateâ€based ceramics. Journal of the American Ceramic Society, 2021, 104, 936-947.	3.8	37
14	Lowâ€Temperature Sintering, Densification, and Properties of Zâ€type Hexaferrite with Bi₂O₃ Additives. Journal of the American Ceramic Society, 2001, 84, 2889-2894.	3.8	35
15	Lowâ€Temperature Sintering and Microwave Dielectric Properties of Ba₃(VO₄)₂â€“BaWO₄ Ceramic Composites. Journal of the American Ceramic Society, 2008, 91, 3738-3741.	3.8	34
16	Highâ€Q and temperatureâ€stable microwave dielectrics in layer cofired Zn_{1.01}Nb₂O₆/TiO₂/Zn_{1.01}Nb₂O₆ ceramic architectures. Journal of the American Ceramic Society, 2019, 102, 342-350.	3.8	33
17	Microwave Dielectric Properties and Thermally Stimulated Depolarization Currents of MgF₂â€Doped Diopside Ceramics. Journal of the American Ceramic Society, 2014, 97, 3537-3543.	3.8	32
18	Highly (100)â€Oriented Bi(Ni_{1/2}Hf_{1/2})O₃â€PbTiO₃ Relaxorâ€Ferroelectric Films for Integrated Piezoelectric Energy Harvesting and Storage System. Journal of the American Ceramic Society, 2015, 98, 2968-2971.	3.8	32

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19	MgTiO3/TiO2/MgTiO3: An ultrahigh-Q and temperature-stable microwave dielectric ceramic through cofired trilayer architecture. Ceramics International, 2018, 44, 21000-21003.	4.8	32
20	Lowâ€Temperature Sintering and Microwave Dielectric Properties of Ba₅Nb₄O₁₅â€“BaWO₄ Composite Ceramics for LTCC Applications. Journal of the American Ceramic Society, 2008, 91, 3275-3279.	3.8	29
21	Microstructure and magnetic characteristics of low-temperature-fired modified Z-type hexaferrite with Bi/sub 2/O/sub 3/ additive. IEEE Transactions on Magnetics, 2002, 38, 1797-1802.	2.1	28
22	Microwave dielectric properties and thermally stimulated depolarization of Alâ€doped Ba₄(Sm,Nd)_{9.33}Ti₁₈O₅₄ ceramics. Journal of the American Ceramic Society, 2019, 102, 5494-5502.	3.8	26
23	Epitaxially grown BaM hexaferrite films having uniaxial axis in the film plane for self-biased devices. Scientific Reports, 2017, 7, 44193.	3.3	24
24	Investigation of ferroelectric phase transition for modified barium titanate in multilayer ceramic capacitors by in situ Raman scattering and dielectric measurement. Applied Physics A: Materials Science and Processing, 2008, 91, 119-125.	2.3	23
25	Processing and Piezoelectric Properties of (Na0.5K0.5)0.96Li0.04(Ta0.1Nb0.9)1â^'xCuxO3â^'3x/2Lead-Free Ceramics. Journal of the American Ceramic Society, 2008, 91, 914-917.	3.8	23
26	Polarization Response and Thermally Stimulated Depolarization Current of <scp><scp>BaTiO</scp></scp>₃â€based Y5V Ceramic Multilayer Capacitors. Journal of the American Ceramic Society, 2014, 97, 2921-2927.	3.8	23
27	Low temperature sintered ZnNb2O6 microwave dielectric ceramics doped with ZnO-V2O5 additions. Journal of Materials Science, 2005, 40, 6581-6583.	3.7	22
28	Structure and Microwave Dielectric Properties of Hexagonal Ba[Ti1?x(Ni1/2W1/2)x]O3Ceramics. Journal of the American Ceramic Society, 2007, 90, 2461-2466.	3.8	22
29	Microwave Dielectric Properties and Thermally Stimulated Depolarization Currents Study of (1â^'x)<scp><scp>Ba</scp></scp>_{0.6}<scp><scp>Sr</scp></scp>_{0.4}<scp><scp>Ba</scp></scp>₂<scp><sub> Ceramics. Journal of the American Ceramic Society, 2014, 97, 3170-3176.	3.8	22
30	Thermally stable polymerâ€“ceramic composites for microwave antenna applications. Journal of Advanced Ceramics, 2016, 5, 269-276.	17.4	22
31	Low-temperature sinterable cordierite glass-ceramics for high-frequency multilayer chip inductors. Journal of Materials Science Letters, 2000, 19, 213-215.	0.5	21
32	Microwave Dielectric Properties of Ba₂Ca_{1â^'x}Sr_xWO₆Double Perovskites. Journal of the American Ceramic Society, 2011, 94, 2933-2938.	3.8	21
33	Low-fired microwave dielectrics in ZnO-TiO2 ceramics doped with CuO and B2O3. Journal of Materials Science: Materials in Electronics, 2002, 13, 415-418.	2.2	20
34	Effect of electromagnetic environment on the dielectric resonance in the ferroelectric-ferromagnetic composite. Applied Physics Letters, 2006, 89, 112907.	3.3	19
35	Effects of Silver Doping on the Sol?Gel-Derived Ba4(Nd0.7Sm0.3)9.33Ti18O54Microwave Dielectric Ceramics. Journal of the American Ceramic Society, 2007, 90, 3131-3137.	3.8	16
36	Microwave and terahertz properties of porous Ba₄(Sm,Nd,Bi)_{28/3}Ti₁₈O₅₄ ceramics obtained by sacrificial template method. Journal of the American Ceramic Society, 2021, 104, 5679-5688.	3.8	16

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37	Dielectric behavior of Co2Z hexagonal ferrites with multiple modifications. Journal of Applied Physics, 2002, 91, 5230-5233.	2.5	14
38	Microwave Dielectric Properties and Thermally Stimulated Depolarization Currents of (1â^'x)Ba(Mg_{1/3}Nb_{2/3})O₃â€“xBaSnO₃ Solid Solutions. Journal of the American Ceramic Society, 2015, 98, 3942-3947.	3.8	14
39	Improvement in microwave dielectric properties of Sr2TiO4 ceramics through post-annealing treatment. Journal of Electroceramics, 2018, 41, 67-72.	2.0	14
40	Low-temperature sintering and microwave dielectric properties of ZnTiO3-based LTCC materials. Journal of Electroceramics, 2008, 21, 141-144.	2.0	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.	3.8	13
42	Electric Field-Dependent Properties of BaTiO₃-Based Multilayer Ceramic Capacitors. Ferroelectrics, 2010, 401, 56-60.	0.6	13
43	Preparation and Microwave Dielectric Properties of TiO₂-Doped YAG Ceramics. Ferroelectrics, 2010, 407, 69-74.	0.6	13
44	Dielectric response and thermally stimulated depolarization current analysis of BaNd1.76Bi0.24Ti5O14 high-temperature microwave capacitors. Journal of Materials Science, 2015, 50, 1141-1149.	3.7	13
45	Structure, Microwave Dielectric Properties and Thermally Stimulated Depolarization Currents of (1Ââ^'Âx)Ba_{0.6}Sr_{0.4}La₄Ti₄O₁₅â€“xBa₅Nb Solid Solutions. Journal of the American Ceramic Society, 2015, 98, 1245-1252.	3.8	13
46	Influence of CuO and B2O3 on sintering and dielectric properties of tungsten bronze type microwave ceramics: a case study in Ba4Nd9.3Ti18O54. Journal of Materials Science: Materials in Electronics, 2011, 22, 106-110.	2.2	12
47	Physical properties and structure characteristics of titanium-modified antimony-selenium phase change thin film. Applied Physics Letters, 2021, 118, .	3.3	12
48	Low temperature sintered ZnNb2O6 microwave dielectric ceramics doped with CuO-Bi2O3-V2O5 additions. Journal of Materials Science Letters, 2003, 22, 595-597.	0.5	11
49	Structures and Microwave Dielectric Properties of <scp><scp>Ba</scp></scp>[<scp><scp>Ti</scp></scp>_{1â^'x}(<scp><scp>Co</scp></scp>_{1/3}<scp><sc (xÂ=Â0.40â€“0.90) Perovskite Ceramics. Journal of the American Ceramic Society, 2012, 95, 1645-1650.	3.8	11
50	High-frequency ferromagnetic resonance of Co nanowire arrays. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1828-1833.	1.8	11
51	Lowâ€Temperature Sintering and Electromagnetic Properties of Copperâ€Modified Zâ€type Hexaferrite. Journal of the American Ceramic Society, 2002, 85, 1180-1184.	3.8	10
52	Structural Transitions and Microwave Dielectric Properties of <scp><scp>Ba</scp></scp>_{2â^'2x}<scp><scp>Sr</scp></scp>_{2x}<scp><scp>Sm</scp>SbO₆</scp></scp> Double Perovskites. Journal of the American Ceramic Society, 2012, 95, 1665-1670.	3.8	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.	3.8	10
54	Magnetic properties of composite Y-type hexagonal ferrites in a direct current magnetic field. Journal of Applied Physics, 2005, 98, 063901.	2.5	9

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55	Structural and Dielectric Characteristics in (1â^'x)Ba(Ni_{1/2}W_{1/2})O₃â€“xBaTiO₃ Perovskite Solid Solutions. Journal of the American Ceramic Society, 2010, 93, 516-521.	3.8	9
56	Phase transition and piezoelectricity of BaZrO₃â€modified (K,Na)NbO₃ leadâ€free piezoelectric thin films. Journal of the American Ceramic Society, 2019, 102, 2770-2780.	3.8	9
57	A First-Principles Study on the Multiferroic Property of Two-Dimensional BaTiO3 (001) Ultrathin Film with Surface Ba Vacancy. Nanomaterials, 2019, 9, 269.	4.1	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 Zn₂SiO₄Ceramics Derived from a Sol-Gel Process. Ferroelectrics, 2009, 387, 184-188.	0.6	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 Ba3Ti4â^'x(Mg1/3Nb2/3)xNb4O21 ceramics with BaCu(B2O5) addition. Journal of Materials Science: Materials in Electronics, 2012, 23, 1449-1454.	2.2	7
62	Enhancement of dielectric properties and energy storage performance in 3Yâ€TZP ceramics with BaTiO₃ additives. International Journal of Applied Ceramic Technology, 2020, 17, 1362-1370.	2.1	7
63	Effects of ZnOâ€“xV2O5 substitution on the microstructure and microwave dielectric properties of ZnNb2O6 ceramics. Journal of Electroceramics, 2008, 21, 116-119.	2.0	6
64	Structural Transitions and Microwave Dielectric Properties of (Ba, Sr)2LnSbO6(Ln= La, Pr, Nd, Sm, Gd,) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.6	6
65	Crystallization and dielectric properties of cordierite gel-derived glasses containing B2O3and P2O5. Ferroelectrics, 2001, 262, 31-36.	0.6	5
66	Magnetic and dielectric properties of a double-percolating Ni0.3Zn0.7Fe1.95O4-Ni-polymer composite. Journal of Electroceramics, 2008, 21, 385-389.	2.0	5
67	Characterizations of fatigue and crack growth of ferroelectrics under cyclic electric field. Journal of Electroceramics, 2008, 21, 581-584.	2.0	5
68	Influences of sintering atmosphere on the magnetic and electrical properties of barium hexaferrites. AIP Advances, 2019, 9, 085129.	1.3	5
69	Investigation of significant magnetic transformation for hydrogenated ZnFe2O4 nanoparticles. Journal of Materials Science, 2020, 55, 1464-1474.	3.7	5
70	Phonon characteristics and intrinsic properties of single phase ZnWO4 ceramic. Journal of Materials Science: Materials in Electronics, 2020, 31, 6192-6198.	2.2	5
71	Solâ€“gel synthesis, densification, and electrical properties of CuOâ€“B2O3 doped Ba6â^'3x R8+2x Ti18O54 (RÂ=ÂNd) microwave dielectric ceramics. Journal of Materials Science, 2011, 46, 1932-1936.	3.7	4
72	Preparation and microwave dielectric properties of Ba₄(Sm_{1-x}Nd_x)_{9.3}Ti₁₈O₅₄ceramics via a citrate sol-gel process. Journal of Materials Science, 2004, 39, 1087-1089.	3.7	3

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73	Epitaxial Spinel Cobalt Ferrite Films Prepared by Two-Step Spin-Coating Method. Ferroelectrics, 2013, 455, 62-68.	0.6	3
74	Improved chargeâ€“discharge cycling durability of PVDF dielectrics with MgO nanofillers. Applied Physics Letters, 2020, 116, .	3.3	3
75	Dielectric behavior and DC resistivity of Ba3Co2(1â^'X)Cu2XFe24O41(Co2Z)Hexaferrite. Ferroelectrics, 2001, 264, 157-162.	0.6	2
76	Interfacial investigation of the Co-fired NiCuZn Ferrite/PMN composite prepared by tape casting. Journal of Electroceramics, 2008, 21, 536-540.	2.0	2
77	Microwave Dielectric Properties of Ba(Zn_{1/3}Nb_{2/3})O₃-BaWO₄Composite Ceramics. Ferroelectrics, 2009, 388, 88-92.	0.6	2
78	Field-induced domain switching in BaTiO3-based multilayer ceramic capacitors observed by polarized Raman spectroscopy. Applied Physics A: Materials Science and Processing, 2012, 109, 331-335.	2.3	2
79	Microwave dielectric properties and thermally stimulated relaxations of Ba0.6Sr0.4La4Ti4O15â^'TiO2 composite ceramics by flowing oxygen sintering. Journal of Materials Science: Materials in Electronics, 2017, 28, 3400-3406.	2.2	2
80	Low dielectric constant borophosphosilicate glass-ceramics: Synthesis and properties. Ferroelectrics, 2001, 262, 239-244.	0.6	1
81	Characterization of Domains Reorientation in Multilayer Piezoelectric Ceramic Actuators by Polarized Raman Spectroscopy. Journal of the American Ceramic Society, 2012, 95, 2766-2768.	3.8	1
82	Tunable High-Frequency Properties of Coâ€“Ni Ferromagnetic Nanowires Through Composition Modulation. IEEE Transactions on Magnetics, 2015, 51, 1-6.	2.1	1
83	Internal relations between crystal structures and dielectric properties of (1-x)BaWO4-xTiO2 composite ceramics. Journal of Materials Science: Materials in Electronics, 2020, 31, 19961-19973.	2.2	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<inf>2</inf>NiWO<inf>6</inf>-BaTiO<inf>3</inf> system. , 2009, , .		0
86	Structure-Property Relationships of Ba[Ti1â^'x(Ho0.5Nb0.5)x]O3(x = 0.05â€“0.90) Perovskite Ceramics. Ferroelectrics, 2014, 459, 112-118.	0.6	0