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	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
2	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
3	Physical properties and structure characteristics of titanium-modified antimony-selenium phase change thin film. Applied Physics Letters, 2021, 118, .	3.3	12
4	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
5	Investigation of significant magnetic transformation for hydrogenated ZnFe2O4 nanoparticles. Journal of Materials Science, 2020, 55, 1464-1474.	3.7	5
6	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
7	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
8	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
9	Phonon characteristics and intrinsic properties of single phase ZnWO4 ceramic. Journal of Materials Science: Materials in Electronics, 2020, 31, 6192-6198.	2.2	5
10	Improved chargeâ€“discharge cycling durability of PVDF dielectrics with MgO nanofillers. Applied Physics Letters, 2020, 116, .	3.3	3
11	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
12	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
13	Influences of sintering atmosphere on the magnetic and electrical properties of barium hexaferrites. AIP Advances, 2019, 9, 085129.	1.3	5
14	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
15	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
16	Improvement in microwave dielectric properties of Sr2TiO4 ceramics through post-annealing treatment. Journal of Electroceramics, 2018, 41, 67-72.	2.0	14
17	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
18	Epitaxially grown BaM hexaferrite films having uniaxial axis in the film plane for self-biased devices. Scientific Reports, 2017, 7, 44193.	3.3	24

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19	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
20	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
21	Thermally stable polymerâ€"ceramic composites for microwave antenna applications. Journal of Advanced Ceramics, 2016, 5, 269-276.	17.4	22
22	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
23	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
24	Tunable High-Frequency Properties of Coâ€"Ni Ferromagnetic Nanowires Through Composition Modulation. IEEE Transactions on Magnetics, 2015, 51, 1-6.	2.1	1
25	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
26	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
27	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
28	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
29	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
30	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>₅ Ceramics. Journal of the American Ceramic Society, 2014, 97, 3170-3176.	3.8	25
31	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
32	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
33	High-frequency ferromagnetic resonance of Co nanowire arrays. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1828-1833.	1.8	11
34	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
35	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
36	Epitaxial Spinel Cobalt Ferrite Films Prepared by Two-Step Spin-Coating Method. Ferroelectrics, 2013, 455, 62-68.	0.6	3

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37	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
38	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
39	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
40	Structures and Microwave Dielectric Properties of <scp><scp>Ba</scp></scp>[<scp><scp>Ti</scp></scp>_{1â^'x}(<scp><scp>Co</scp></scp>_{0.5}<sub><scp><sc (xÂ=Â0.40â€“0.90) Perovskite Ceramics. Journal of the American Ceramic Society, 2012, 95, 1645-1650.	3.8	11
41	Structural Transitions and Microwave Dielectric Properties of <scp><scp>Ba</scp></scp>_{2â^'2x}<scp><scp>Sr</scp></scp>_{2x}<scp><scp>SmSbO6</scp></scp> Double Perovskites. Journal of the American Ceramic Society, 2012, 95, 1665-1670.	3.8	16
42	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
43	Microwave Dielectric Properties of Ba₂Ca_{1â^'x}Sr_xWO₆Double Perovskites. Journal of the American Ceramic Society, 2011, 94, 2933-2938.	3.8	21
44	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
45	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
46	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
47	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
48	Microwave Dielectric Properties of Ba₃(VO₄)₂â€“Mg₂SiO₄Composite Ceramics. Journal of the American Ceramic Society, 2010, 93, 359-361.	3.8	45
49	Electric Field-Dependent Properties of BaTiO₃-Based Multilayer Ceramic Capacitors. Ferroelectrics, 2010, 401, 56-60.	0.6	13
50	Preparation and Microwave Dielectric Properties of TiO₂-Doped YAG Ceramics. Ferroelectrics, 2010, 407, 69-74.	0.6	13
51	Microwave Dielectric Properties of Ba(Zn_{1/3}Nb_{2/3})O₃-BaWO₄Composite Ceramics. Ferroelectrics, 2009, 388, 88-92.	0.6	2
52	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
53	Phase Characterization and Dielectric Properties of Zn₂SiO₄Ceramics Derived from a Sol-Gel Process. Ferroelectrics, 2009, 387, 184-188.	0.6	8
54	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

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55	Low-temperature sintering and microwave dielectric properties of ZnTiO3-based LTCC materials. Journal of Electroceramics, 2008, 21, 141-144.	2.0	13
56	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
57	Interfacial investigation of the Co-fired NiCuZn Ferrite/PMN composite prepared by tape casting. Journal of Electroceramics, 2008, 21, 536-540.	2.0	2
58	Characterizations of fatigue and crack growth of ferroelectrics under cyclic electric field. Journal of Electroceramics, 2008, 21, 581-584.	2.0	5
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	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
67	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
68	Effect of electromagnetic environment on the dielectric resonance in the ferroelectric-ferromagnetic composite. Applied Physics Letters, 2006, 89, 112907.	3.3	19
69	Low temperature sintered ZnNb2O6 microwave dielectric ceramics doped with ZnO-V2O5 additions. Journal of Materials Science, 2005, 40, 6581-6583.	3.7	22
70	Magnetic properties of composite Y-type hexagonal ferrites in a direct current magnetic field. Journal of Applied Physics, 2005, 98, 063901.	2.5	9
71	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
72	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

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73	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
74	Dielectric behavior of Co2Z hexagonal ferrites with multiple modifications. Journal of Applied Physics, 2002, 91, 5230-5233.	2.5	14
75	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
76	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
77	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
78	Microstructure and Physical Characteristics of Novel Z-Type Hexaferrite with Cu Modification. , 2002, 9, 73-79.		7
79	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
80	Crystallization and dielectric properties of cordierite gel-derived glasses containing B2O3and P2O5. Ferroelectrics, 2001, 262, 31-36.	0.6	5
81	Dielectric behavior and DC resistivity of Ba3Co2(1â^'X)Cu2XFe24O41(Co2Z)Hexaferrite. Ferroelectrics, 2001, 264, 157-162.	0.6	2
82	Low dielectric constant borophosphosilicate glass-ceramics: Synthesis and properties. Ferroelectrics, 2001, 262, 239-244.	0.6	1
83	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
84	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
85	Low-temperature sinterable cordierite glass-ceramics for high-frequency multilayer chip inductors. Journal of Materials Science Letters, 2000, 19, 213-215.	0.5	21
86	Dielectric characteristics of Cu modified Z-type planar hexaferrite. , 0, , .		0