Ying Yuan

List of Publications by Year
in descending order

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68 papers	1,401 citations	331670 21 h-index	395702 33 g-index
68 all docs	68 docs citations	68 times ranked	837 citing authors

#	Article	IF	Citations
1	Crystal Chemistry, Raman Spectra, and Bond Characteristics of Trirutile-Type Co_{0.5}Ti_{0.5}TaO₄ Microwave Dielectric Ceramics. Inorganic Chemistry, 2019, 58, 968-976.	4.0	88
2	Enhanced breakdown strength and energy storage density of lead-free Bi0.5Na0.5TiO3-based ceramic by reducing the oxygen vacancy concentration. Chemical Engineering Journal, 2021, 414, 128921.	12.7	75
3	Structure and microwave dielectric properties of the Li_{2/3(1â^'x)}Sn_{1/3(1â^'x)}Mg_xO systems (xÂ=Â0â€4/7). Journal of the American Ceramic Society, 2018, 101, 252-264.	3.8	59
4	Intrinsic dielectric properties of columbite ZnNb₂O₆ ceramics studied by Pâ€"Vâ€"L bond theory and Infrared spectroscopy. Journal of the American Ceramic Society, 2019, 102, 5365-5374.	3.8	58
5	Modification of Si3N4 ceramic powders and fabrication of Si3N4/PTFE composite substrate with high thermal conductivity. Ceramics International, 2019, 45, 16569-16576.	4.8	53
6	Excellent thermal stability, high efficiency and high power density of (Sr0.7Ba0.3)5LaNb7Ti3O30â€"based tungsten bronze ceramics. Journal of the European Ceramic Society, 2020, 40, 2366-2374.	5.7	42
7	High-Temperature Capacitor Materials Based on Modified BaTiO3. Journal of Electronic Materials, 2009, 38, 706-710.	2.2	41
8	Synthesis of MgTiO3 by solid state reaction and characteristics with addition. Journal of Materials Science, 2007, 42, 6628-6632.	3.7	38
9	Relaxor regulation and improvement of energy storage properties of Sr2NaNb5O15-based tungsten bronze ceramics through B-site substitution. Chemical Engineering Journal, 2021, 421, 127846.	12.7	38
10	Vibrational spectroscopic and crystal chemical analyses of double perovskite Y₂MgTiO₆ microwave dielectric ceramics. Journal of the American Ceramic Society, 2020, 103, 1121-1130.	3.8	37
11	ZrTi2O6 filled PTFE composites for microwave substrate applications. Journal of Polymer Research, 2013, 20, 1.	2.4	36
12	High energy storage properties and dielectric temperature stability of (1-x)(0.8Bi0.5Na0.5TiO3-0.2Ba0.3Sr0.7TiO3)-xNaNbO3 lead-free ceramics. Journal of Alloys and Compounds, 2021, 851, 156821.	5.5	36
13	Gd₂Zr₃(MoO₄)₉ microwave dielectric ceramics with trigonal structure for LTCC application. Journal of the American Ceramic Society, 2020, 103, 1131-1139.	3.8	35
14	Relaxor ferroelectric (Na0.5Bi0.5)0.4Sr0.6TiO3-based ceramics for energy storage application. Ceramics International, 2020, 46, 11282-11289.	4.8	35
15	Preparation and modification of high Curie point BaTiO3-based X9R ceramics. Journal of Electroceramics, 2010, 25, 93-97.	2.0	34
16	Microstructure and microwave dielectric properties of Na1/2Sm1/2TiO3 filled PTFE, an environmental friendly composites. Applied Surface Science, 2018, 436, 900-906.	6.1	34
17	Preparation of BaTiO3-based X7R ceramics with high dielectric constant by nanometer oxides doping method. Materials Letters, 2004, 58, 1959-1963.	2.6	33
18	Relaxor Nature and Energy Storage Properties of Sr_{2â€"x}M_xNaNb_{5â€"x}Ti_xO₁₅ (M = La³⁺ and Ho³⁺) Tungsten Bronze Ceramics. ACS Sustainable Chemistry and Engineering, 2020, 8, 17527-17539.	6.7	32

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19	High discharge efficiency of (Sr, Pb, Bi) TiO3 relaxor ceramics for energy-storage application. Applied Physics Letters, 2018, 112, .	3.3	29
20	Synthesis and characterization of PTFE/(Na Li1-)0.5Nd0.5TiO3 composites with high dielectric constant and high temperature stability for microwave substrate applications. Ceramics International, 2019, 45, 22015-22021.	4.8	24
21	High efficiency and power density relaxor ferroelectric Sr0.875Pb0.125TiO3- Bi(Mg0.5Zr0.5)O3 ceramics for pulsed power capacitors. Journal of the European Ceramic Society, 2020, 40, 2907-2916.	5.7	24
22	Excellent thermal stability and energy storage properties of leadâ€free Bi_{0.5}Na_{0.5}TiO₃â€based ceramic. Journal of the American Ceramic Society, 2022, 105, 4027-4038.	3.8	23
23	Ferroelectric-Relaxor Crossover and Energy Storage Properties in Sr₂NaNb₅O₁₅-Based Tungsten Bronze Ceramics. ACS Applied Materials & Interfaces, 2022, 14, 9318-9329.	8.0	22
24	Improvement of dielectric breakdown strength and energy storage performance in Er2O3â€“modified 0.95Sr0.7Ba0.3Nb2O6-0.05CaTiO3 lead-free ceramics. Ceramics International, 2019, 45, 5660-5667.	4.8	21
25	A Novel Approach to BaTiO3-based X8R Ceramics by Calcium Borosilicate Glass Ceramic Doping. Journal of Electronic Materials, 2007, 36, 1389-1394.	2.2	19
26	Effects of BiNbO4 on the microstructure and dielectric properties of BaTiO3-based ceramics. Journal of Materials Science: Materials in Electronics, 2009, 20, 157-162.	2.2	19
27	Effects of perfluorooctyltriethoxysilane coupling agent on the properties of silica filled PTFE composites. Journal of Materials Science: Materials in Electronics, 2017, 28, 8810-8817.	2.2	19
28	Crystal structure, relaxor behaviors and energy storage performance of (Sr0.7Ba0.3)5LaNb7Ti3O30 tungsten bronze ceramics. Ceramics International, 2020, 46, 6108-6114.	4.8	19
29	Influence of SiO2 Addition on Properties of PTFE/TiO2 Microwave Composites. Journal of Electronic Materials, 2018, 47, 633-640.	2.2	18
30	Doping effects of Mn2+ on the dielectric properties of glass-doped BaTiO3-based X8R materials. Journal of Materials Science: Materials in Electronics, 2007, 18, 541-545.	2.2	17
31	Effect of sintering temperature on the crystallization behavior and properties of silica filled PTFE composites. Journal of Materials Science: Materials in Electronics, 2016, 27, 13288-13293.	2.2	17
32	Microwave dielectric properties of (1â€“x)Ba_{3.75}Nd_{9.5}Cr_{0.25}Nb_{0.25}Ti_{17.5}O₅₄â€“<s ceramics. Journal of the American Ceramic Society, 2017, 100, 4058-4065.	3.8	17
33	Evaluation of surface treatment on Li2Mg3SnO6 ceramic powders and the application of Li2Mg3SnO6 powders filled polytetrafluoroethylene composites. Applied Surface Science, 2018, 456, 637-644.	6.1	17
34	Effects of compound coupling agents on the properties of PTFE/SiO2 microwave composites. Journal of Materials Science: Materials in Electronics, 2017, 28, 3356-3363.	2.2	15
35	Dependence of microwave dielectric properties on site substitution in Ba3.75Nd9.5Ti18O54 ceramic. Journal of Materials Science: Materials in Electronics, 2016, 27, 10951-10957.	2.2	14
36	Effects of particle size distribution of silica on properties of PTFE/SiO₂ composites. Materials Research Express, 2018, 5, 066306.	1.6	14

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37	Polytetrafluoroethylene based, F8261 modified realization of Li2SnMg0.5O3.5 filled composites. Applied Surface Science, 2020, 503, 144088.	6.1	14
38	The effect of doping process on microstructure and dielectric properties of BaTiO3-based X7R materials. Journal of Materials Science: Materials in Electronics, 2004, 15, 601-606.	2.2	13
39	Stabilizing temperatureâ€capacitance dependence of (Sr, Pb,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (Bi)TiO₃ Journal of the American Ceramic Society, 2019, 102, 4029-4037.	3.8	13
40	Synthesis of MgAl2O4Spinel Nanometer Powder via Biology Polysaccharide Assisted Sol-Gel Process. Journal of Sol-Gel Science and Technology, 2004, 30, 223-227.	2.4	12
41	Effect of Liâ€“Bâ€“Si glass on the low temperature sintering behaviors and microwave dielectric properties of the Li-modified ss-phase Li2Oâ€“Nb2O5â€“TiO2 ceramics. Journal of Materials Science: Materials in Electronics, 2015, 26, 3330-3335.	2.2	12
42	Preparation of BaTiO3-Based Nonreducible X7R Dielectric Materials Via Nanometer Powders Doping. Journal of Materials Science: Materials in Electronics, 2006, 17, 133-136.	2.2	11
43	Effect of Excess Li Content on the Microwave Dielectric Properties of the M-Phase of Li2O-Nb2O5-TiO2 Ceramics. Journal of Electronic Materials, 2014, 43, 3954-3958.	2.2	11
44	Phase transitions and electrical properties in La3+-substituted Bi0.5(Na0.75K0.15Li0.10)0.5TiO3 ceramics. Journal of Materials Science, 2006, 41, 565-567.	3.7	10
45	The Influence of Sintering Temperature on the Microwave Dielectric Properties of Mg2SiO4 Ceramics with CaO-B2O3-SiO2 Addition. Journal of Electronic Materials, 2017, 46, 1048-1054.	2.2	10
46	Fabrication of 0.8BaTi4O9-0.2BaZn2Ti4O11 filled and glassfiber reinforced polytetrafluoroethylene composites with near-zero temperature coefficient of dielectric constant. Journal of Alloys and Compounds, 2018, 769, 1034-1041.	5.5	10
47	Preparation and properties of low temperature sintered CaO-B2O3-SiO2 microwave dielectric ceramics using the solid-state reaction. Materials Science-Poland, 2013, 31, 404-409.	1.0	9
48	Low-Temperature Sintering Behavior and Dielectric Properties of Li2O-Nb2O5-TiO2 Ceramics with Li-B-Si-O Glass. Journal of Electronic Materials, 2015, 44, 4316-4321.	2.2	9
49	Influence of Laâ€“Bâ€“Zn glass on the sintering and microwave dielectric properties of Caâ€“Ndâ€“Ti ceramics. Journal of Materials Science: Materials in Electronics, 2016, 27, 3164-3169.	2.2	9
50	Effects of (Na1/2Nd1/2)TiO3 on the microstructure and microwave dielectric properties of PTFE/ceramic composites. Journal of Materials Science: Materials in Electronics, 2018, 29, 20680-20687.	2.2	9
51	Researches on silane coupling agent treated AlN ceramic powder and fabrication of AlN/PTFE composites for microwave substrate applications. Journal of Materials Science: Materials in Electronics, 2019, 30, 20189-20197.	2.2	9
52	Effects of ZnO and CeO2 additions on the microstructure and dielectric properties of Mn-modified (Bi0.5Na0.5)0.88Ca0.12TiO3 ceramics. Journal of Materials Science: Materials in Electronics, 2012, 23, 309-314.	2.2	8
53	Preparation, characterization and properties of FEP modified PTFE/glass fiber composites for microwave circuit application. Journal of Materials Science: Materials in Electronics, 2017, 28, 6015-6021.	2.2	8
54	Enhanced energy storage properties with excellent stability in BST-BLZS relaxor ceramics. Ceramics International, 2022, 48, 19382-19391.	4.8	8

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55	Effects of La occupation site on the dielectric and piezoelectric properties of [Bi0.5(Na0.75K0.15Li0.10)0.5]TiO3 ceramics. Journal of Materials Science: Materials in Electronics, 2009, 20, 1090-1094.	2.2	7
56	Newly developed polytetrafluoroethylene composites based on F8261-modified Li2Mg2.88Ca0.12TiO6 powder. Journal of Alloys and Compounds, 2019, 803, 145-152.	5.5	7
57	The dielectric and thermal properties of Mn-doped (1Ââ^'Âx) ZrTi2O6â€“xZnNb2O6 filled PTFE composites. Journal of Materials Science: Materials in Electronics, 2014, 25, 3010-3015.	2.2	6
58	Low-temperature sintering and microwave dielectric properties of BaOâ€“0.15ZnOâ€“4TiO2 ceramics with Li2Oâ€“B2O3â€“SiO2 addition. Journal of Materials Science: Materials in Electronics, 2016, 27, 6902-6910.	2.2	6
59	Research on hydrophobicity treatment of aluminum nitride powder and the fabrication and characterization of AlN/PTFE composite substrates. Journal of Materials Science: Materials in Electronics, 2018, 29, 14890-14896.	2.2	6
60	Improved Microwave Dielectric Properties of LiNb0.6Ti0.5O3 Ceramics with Zr Substitutions. Journal of Electronic Materials, 2019, 48, 5080-5087.	2.2	6
61	Microstructures and properties of glass fiber reinforced PTFE composite substrates with laminated construction. Materials Research Express, 2019, 6, 075305.	1.6	5
62	Relaxor regulation and improvement of breakdown strength for Bi0.5Na0.5TiO3-based ceramics by co-doping with Ca and Nb. Ceramics International, 2022, 48, 9702-9709.	4.8	5
63	Dielectric and piezoelectric properties of (0.97-x) Bi1/2Na1/2TiO3-xBi1/2K1/2TiO3-0.03NaNbO3 ceramics. Journal of Materials Science, 2006, 41, 3561-3567.	3.7	4
64	Investigation of PTFE-based ultra-low dielectric constant composite substrates with hollow silica ceramics. Journal of Materials Science: Materials in Electronics, 2022, 33, 4550-4558.	2.2	4
65	Investigation on the synthesis of (Zn1â^'xMgx)TiO3 and the modulation effect of CaTiO3. Journal of Materials Science: Materials in Electronics, 2008, 19, 343-347.	2.2	3
66	Structure and microwave dielectric properties of Zn0.9Mg0.1TiO3â€“Zn0.15Nb0.3Ti0.55O2 ceramics with ZnOâ€“B2O3â€“SiO2 glass. Journal of Materials Science: Materials in Electronics, 2018, 29, 11901-11909.	2.2	3
67	A Temperature-Insensitive Ba3.75Nd9.5Ti17.5(Cr0.5Nb0.5)0.5O54 Microwave Dielectric Ceramic by Bi3+ Substitution. Journal of Electronic Materials, 2017, 46, 1230-1234.	2.2	2
68	Densification and microwave properties of low-temperature co-fired CaOâ€“B₂O₃â€“SiO₂ glass-ceramic with Laâ€“Bâ€“Si additions. International Journal of Materials Research, 2013, 104, 606-608.	0.3	0