# 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 | Excellent thermal stability and energy storage properties of leadâ€free Bi<sub>0.5</sub>Na<sub>0.5</sub>TiO<sub>3</sub>â€based ceramic. Journal of the American Ceramic Society, 2022, 105, 4027-4038. | 3.8 | 23 |
| 2 | 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 |
| 3 | Ferroelectric-Relaxor Crossover and Energy Storage Properties in Sr<sub>2</sub>NaNb<sub>5</sub>O<sub>15</sub>-Based Tungsten Bronze Ceramics. ACS Applied Materials & Interfaces, 2022, 14, 9318-9329. | 8.0 | 22 |
| 4 | Enhanced energy storage properties with excellent stability in BST-BLZS relaxor ceramics. Ceramics International, 2022, 48, 19382-19391. | 4.8 | 8 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | Vibrational spectroscopic and crystal chemical analyses of double perovskite Y<sub>2</sub>MgTiO<sub>6</sub> microwave dielectric ceramics. Journal of the American Ceramic Society, 2020, 103, 1121-1130. | 3.8 | 37 |
| 10 | Gd<sub>2</sub>Zr<sub>3</sub>(MoO<sub>4</sub>)<sub>9</sub> microwave dielectric ceramics with trigonal structure for LTCC application. Journal of the American Ceramic Society, 2020, 103, 1131-1139. | 3.8 | 35 |
| 11 | 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 |
| 12 | Polytetrafluoroethylene based, F8261 modified realization of Li2SnMg0.5O3.5 filled composites. Applied Surface Science, 2020, 503, 144088. | 6.1 | 14 |
| 13 | Relaxor Nature and Energy Storage Properties of Sr<sub>2â€“x</sub>M<sub>x</sub>NaNb<sub>5â€“x</sub>Ti<sub>x</sub>O<sub>15</sub> (M = La<sup>3+</sup> and Ho<sup>3+</sup>) Tungsten Bronze Ceramics. ACS Sustainable Chemistry and Engineering, 2020, 8, 17527-17539. | 6.7 | 32 |
| 14 | 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 |
| 15 | Relaxor ferroelectric (Na0.5Bi0.5)0.4Sr0.6TiO3-based ceramics for energy storage application. Ceramics International, 2020, 46, 11282-11289. | 4.8 | 35 |
| 16 | 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 |
| 17 | Newly developed polytetrafluoroethylene composites based on F8261-modified Li2Mg2.88Ca0.12TiO6 powder. Journal of Alloys and Compounds, 2019, 803, 145-152. | 5.5 | 7 |
| 18 | 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 |

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|---|---|---|---|
| 19 | 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 |
| 20 | Improved Microwave Dielectric Properties of LiNb0.6Ti0.5O3 Ceramics with Zr Substitutions. Journal of Electronic Materials, 2019, 48, 5080-5087. | 2.2 | 6 |
| 21 | 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 |
| 22 | Microstructures and properties of glass fiber reinforced PTFE composite substrates with laminated construction. Materials Research Express, 2019, 6, 075305. | 1.6 | 5 |
| 23 | Intrinsic dielectric properties of columbite ZnNb<sub>2</sub>O<sub>6</sub> ceramics studied by Pâ€“Vâ€“L bond theory and Infrared spectroscopy. Journal of the American Ceramic Society, 2019, 102, 5365-5374. | 3.8 | 58 |
| 24 | Stabilizing temperatureâ€¢capacitance dependence of (Sr, Pb,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (Bi)TiO<sub>3</sub>â€Bi<s Journal of the American Ceramic Society, 2019, 102, 4029-4037. | 3.8 | 13 |
| 25 | Crystal Chemistry, Raman Spectra, and Bond Characteristics of Trirutile-Type Co<sub>0.5</sub>Ti<sub>0.5</sub>TaO<sub>4</sub> Microwave Dielectric Ceramics. Inorganic Chemistry, 2019, 58, 968-976. | 4.0 | 88 |
| 26 | 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 |
| 27 | 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 |
| 28 | Influence of SiO2 Addition on Properties of PTFE/TiO2 Microwave Composites. Journal of Electronic Materials, 2018, 47, 633-640. | 2.2 | 18 |
| 29 | Structure and microwave dielectric properties of the Li<sub>2/3(1â^'x)</sub>Sn<sub>1/3(1â^'x)</sub>Mg<sub>x</sub>O systems (xÂ=Â0â€4/7). Journal of the American Ceramic Society, 2018, 101, 252-264. | 3.8 | 59 |
| 30 | 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 |
| 31 | High discharge efficiency of (Sr, Pb, Bi) TiO3 relaxor ceramics for energy-storage application. Applied Physics Letters, 2018, 112, . | 3.3 | 29 |
| 32 | Effects of particle size distribution of silica on properties of PTFE/SiO<sub>2</sub> composites. Materials Research Express, 2018, 5, 066306. | 1.6 | 14 |
| 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 | 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 |
| 35 | 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 |
| 36 | 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 |

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|---|---|---|---|
| 37 | 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 |
| 38 | Microwave dielectric properties of (1â€x)Ba<sub>3.75</sub>Nd<sub>9.5</sub>Cr<sub>0.25</sub>Nb<sub>0.25</sub>Ti<sub>17.5</sub>O<sub>54</sub>–<s ceramics. Journal of the American Ceramic Society, 2017, 100, 4058-4065. | 3.8 | 15 |
| 39 | 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 |
| 40 | 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 |
| 41 | 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 |
| 42 | 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 |
| 43 | 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 |
| 44 | 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 |
| 45 | 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 |
| 46 | 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 |
| 47 | 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 |
| 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 | 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 |
| 50 | 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 |
| 51 | ZrTi2O6 filled PTFE composites for microwave substrate applications. Journal of Polymer Research, 2013, 20, 1. | 2.4 | 36 |
| 52 | 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 |
| 53 | Densification and microwave properties of low-temperature co-fired CaOâ€“B<sub>2</sub>O<sub>3</sub>â€“SiO<sub>2</sub> glass-ceramic with Laâ€“Bâ€“Si additions. International Journal of Materials Research, 2013, 104, 606-608. | 0.3 | 0 |
| 54 | 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 |

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|---|---|---|---|
| 55 | Preparation and modification of high Curie point BaTiO3-based X9R ceramics. Journal of Electroceramics, 2010, 25, 93-97. | 2.0 | 34 |
| 56 | 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 |
| 57 | 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 |
| 58 | High-Temperature Capacitor Materials Based on Modified BaTiO3. Journal of Electronic Materials, 2009, 38, 706-710. | 2.2 | 41 |
| 59 | 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 |
| 60 | Synthesis of MgTiO3 by solid state reaction and characteristics with addition. Journal of Materials Science, 2007, 42, 6628-6632. | 3.7 | 38 |
| 61 | 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 |
| 62 | 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 |
| 63 | 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 |
| 64 | 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 |
| 65 | 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 |
| 66 | 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 |
| 67 | 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 |
| 68 | Preparation of BaTiO3-based X7R ceramics with high dielectric constant by nanometer oxides doping method. Materials Letters, 2004, 58, 1959-1963. | 2.6 | 33 |