

Yong Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9152611/publications.pdf>

Version: 2024-02-01

50
papers

858
citations

687363

13
h-index

477307

29
g-index

50
all docs

50
docs citations

50
times ranked

665
citing authors

#	ARTICLE	IF	CITATIONS
1	Determination of compressive stress in glass-to-metal seals using photoluminescence spectroscopy technique. <i>Ceramics International</i> , 2022, 48, 13379-13385.	4.8	7
2	Zinc diffusion affects the chemical stability of the borosilicate glass and AISI 304 interface. <i>Materials Characterization</i> , 2021, 171, 110792.	4.4	3
3	Lead-free BaTiO ₃ -based ceramics modified by Bi(Mg _{0.5} Sn _{0.5})O ₃ with enhanced energy-storage performance and charge/discharge properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 3377-3390.	2.2	10
4	Contributions of mechanical bonding and chemical bonding to high-temperature hermeticity of glass-to-metal compression seals. <i>Materials and Design</i> , 2021, 202, 109579.	7.0	8
5	Enhanced mechanical properties and thermal cycling stability of Al ₂ O ₃ -4J42 joints brazed using Ag-Cu-Ti/Cu/Ag-Cu composite filler. <i>Ceramics International</i> , 2021, 47, 30247-30255.	4.8	12
6	Effects of cerium doping on dielectric properties and defect mechanism of barium strontium titanate glass-ceramics. <i>Journal of the European Ceramic Society</i> , 2020, 40, 712-719.	5.7	24
7	Morphological evolution of oxide layer and its effect on glass-to-metal seal. <i>Journal of Non-Crystalline Solids</i> , 2020, 549, 120355.	3.1	5
8	Effect of lanthanum content on the conduction behaviors and relaxation processes of lead lanthanum zirconate titanate antiferroelectric ceramics. <i>Ceramics International</i> , 2020, 46, 16472-16479.	4.8	0
9	Effect of pre-oxidization condition on glass-to-metal sealing. <i>Journal of Non-Crystalline Solids</i> , 2019, 521, 119488.	3.1	7
10	Thermally stimulated depolarization current study of oxygen-vacancy-related relaxation in lead lanthanum zirconate stannate titanate antiferroelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 20997-21003.	2.2	0
11	Influence of lanthanum substitution on microstructure and impedance behavior of barium strontium titanate glass-ceramics. <i>Journal of Applied Physics</i> , 2019, 126, 074101.	2.5	3
12	Analysis of Residual Stress in Electrical Penetration Assembly Based on a Fiber Bragg Grating Sensor. <i>Sensors</i> , 2019, 19, 18.	3.8	18
13	Dependence of dielectric and energy storage properties on sintering temperature in lead lanthanum zirconate titanate antiferroelectric ceramics. <i>Materials Research Express</i> , 2019, 6, 126303.	1.6	1
14	Effect of sintering atmosphere on the microstructure and dielectric properties of barium strontium titanate glass-ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 56-62.	2.2	4
15	Relaxation processes in barium strontium titanate glass-ceramics by thermally simulated depolarization current. <i>Journal of the American Ceramic Society</i> , 2018, 102, 901.	3.8	3
16	Effect of SiO ₂ /B ₂ O ₃ Ratio on the Crystallization Behavior and Dielectric Properties of Barium Strontium Titanate Glass-Ceramics Prepared by Sol-Gel Process. <i>Journal of Electronic Materials</i> , 2018, 47, 4627-4633.	2.2	0
17	Effect of CuO addition on crystallization and thermal expansion properties of Li ₂ O-ZnO-SiO ₂ glass-ceramics. <i>Ceramics International</i> , 2017, 43, 7099-7105.	4.8	7
18	Charge Carrier Relaxation Study in Glass-Added Barium Titanate Ceramics Using Thermally Stimulated Depolarization Current. <i>Journal of Electronic Materials</i> , 2016, 45, 4044-4051.	2.2	4

#	ARTICLE	IF	CITATIONS
19	SiO ₂ /Al ₂ O ₃ ratio dependence of microstructures and dielectric properties in barium strontium titanate glass ceramics. <i>Ceramics International</i> , 2016, 42, 18453-18458.	4.8	8
20	Crystallization and thermal expansion behavior of lithium zinc silicate sealing glass. <i>Ceramics International</i> , 2016, 42, 11650-11653.	4.8	10
21	Effects of sintering temperature and holding time on porosity and shrinkage of glass tubes. <i>Ceramics International</i> , 2016, 42, 5906-5910.	4.8	18
22	Effect of lanthanum modification on dielectric relaxation behavior in lead zirconate stannate titanate antiferroelectric ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 1391-1397.	2.2	2
23	Influence of sintering temperature on microstructures and energy storage properties of barium strontium titanate glass-ceramics prepared by sol-gel process. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 2822-2829.	1.8	8
24	Dependence of Crystallization Behavior on Particle Size in Barium Strontium Titanate Glass-ceramics. <i>Journal of the American Ceramic Society</i> , 2015, 98, 2340-2343.	3.8	8
25	Effect of Titanium Content on Dielectric and Energy Storage Properties of (Pb,La,Sr)(Zr,Sn,Ti)O ₃ Ceramics. <i>Journal of Electronic Materials</i> , 2015, 44, 4819-4824.	2.2	9
26	Effect of barium content on dielectric and energy storage properties of (Pb,La,Ba)(Zr,Sn,Ti)O ₃ ceramics. <i>Ceramics International</i> , 2015, 41, 3030-3035.	4.8	57
27	Phase evolution and electrical properties of BaO-SrO-TiO ₂ -SiO ₂ -Al ₂ O ₃ -based glass ceramics prepared by sol-gel process. <i>Journal of Sol-Gel Science and Technology</i> , 2014, 72, 581-586.	2.4	1
28	Characterization of PLZST-PMW dielectric ceramics. <i>Materials Research Bulletin</i> , 2014, 60, 183-187.	5.2	6
29	Effect of fluoride doping on impedance spectra of barium strontium titanate glass ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 4916-4922.	2.2	6
30	Dielectric relaxation investigations in barium strontium titanate glass-ceramics: Thermally stimulated depolarization current technique. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 2150-2156.	1.8	6
31	Influence of AlF ₃ Concentration on Microstructures and Energy Storage Properties of Barium Strontium Titanate Glass Ceramics. <i>International Journal of Applied Ceramic Technology</i> , 2013, 10, 301-306.	2.1	21
32	Effect of calcining temperature on microstructures and electrical properties in modified lead zirconate titanate ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 2240-2244.	2.2	3
33	Lanthanum concentration dependence of electrical properties in tin oxide thin films. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 889-895.	2.2	0
34	Fatigue improvement in modified lead zirconate titanate ceramics through employment of La _{0.8} Sr _{0.2} MnO ₃ buffer layers. <i>Ceramics International</i> , 2013, 39, 219-225.	4.8	10
35	Blocking effect of crystal-glass interface in lanthanum doped barium strontium titanate glass-ceramics. <i>Materials Research Bulletin</i> , 2013, 48, 3817-3821.	5.2	14
36	Crystallization mechanism and ac conductivity studies on strontium barium niobate glass-ceramics. <i>Ceramics International</i> , 2013, 39, 2069-2076.	4.8	21

#	ARTICLE	IF	CITATIONS
37	Effect of SnO ₂ concentration on the dielectric properties of BaTiO ₃ -(Sr ^{1-x} Bi _x)TiO ₃ ceramics. <i>Materials Chemistry and Physics</i> , 2013, 138, 737-742.	4.0	7
38	Disappearance of Fatigue Heterogeneity Due to an Introduction of La _{0.8} Sr _{0.2} MnO ₃ Buffer Layers in Modified Lead Zirconate Titanate Ceramics. <i>Journal of the American Ceramic Society</i> , 2013, 96, 3031-3034.	3.8	1
39	Spatial heterogeneity of piezoelectric properties in fatigued lead zirconate titanate ceramics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2013, 210, 2485-2490.	1.8	1
40	Interfacial polarization arising from two contributions in glass added barium titanate ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2012, 23, 2301-2305.	2.2	6
41	Effects of MnO ₂ concentration on dielectric properties of barium strontium titanate glass ceramics. <i>Ceramics International</i> , 2012, 38, S57-S60.	4.8	19
42	Influence of sintering temperature on energy storage properties of BaTiO ₃ -(Sr ^{1-x} Bi _x)TiO ₃ ceramics. <i>Ceramics International</i> , 2012, 38, 4765-4770.	4.8	28
43	Glass additive in barium titanate ceramics and its influence on electrical breakdown strength in relation with energy storage properties. <i>Journal of the European Ceramic Society</i> , 2012, 32, 559-567.	5.7	170
44	Influence of crystallization time on microstructures and dielectric properties of tungsten-bronze glass-ceramics. <i>Journal of Materials Science</i> , 2012, 47, 2535-2540.	3.7	9
45	Temperature-dependent ferroelectric hysteresis properties of modified lead zirconate titanate ceramics. <i>Journal of Materials Science</i> , 2012, 47, 4299-4304.	3.7	39
46	Sintering Temperature Dependence of Energy-Storage Properties in (Ba,Sr)TiO ₃ Glass-Ceramics. <i>Journal of the American Ceramic Society</i> , 2011, 94, 1805-1810.	3.8	113
47	Switching retardation and heterogeneity behavior in fatigued lead zirconate titanate ceramics. <i>Journal of Electroceramics</i> , 2010, 25, 135-139.	2.0	2
48	Effect of the Ba/Ti Ratio on the Microstructures and Dielectric Properties of Barium Titanate-Based Glass-Ceramics. <i>Journal of the American Ceramic Society</i> , 2009, 92, 1350-1353.	3.8	92
49	Improvement in the Microstructures and Dielectric Properties of Barium Strontium Titanate Glass-Ceramics by AlF ₃ /MnO ₂ Addition. <i>Journal of the American Ceramic Society</i> , 2009, 92, 1863-1866.	3.8	46
50	Sintering and compositional dependencies of dielectric properties in PMW-PT-PNN ceramics. <i>Scripta Materialia</i> , 2002, 47, 583-587.	5.2	1