

Yichi Zhang

List of Publications by Year in descending order

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24
papers

1,210
citations

471509

17
h-index

677142

22
g-index

24
all docs

24
docs citations

24
times ranked

1033
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced antiferroelectric phase stability in La-doped AgNbO_3 : perspectives from the microstructure to energy storage properties. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2225-2232.	10.3	218
2	High-performance lead-free piezoelectrics with local structural heterogeneity. <i>Energy and Environmental Science</i> , 2018, 11, 3531-3539.	30.8	188
3	Review of chemical modification on potassium sodium niobate lead-free piezoelectrics. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4284-4303.	5.5	146
4	Niobate-based lead-free piezoceramics: a diffused phase transition boundary leading to temperature-insensitive high piezoelectric voltage coefficients. <i>Journal of Materials Chemistry C</i> , 2018, 6, 1116-1125.	5.5	86
5	Practical high-performance lead-free piezoelectrics: structural flexibility beyond utilizing multiphase coexistence. <i>National Science Review</i> , 2020, 7, 355-365.	9.5	76
6	High Performance BaTiO_3 -Based BME MLCC Nanopowder Prepared by Aqueous Chemical Coating Method. <i>Journal of the American Ceramic Society</i> , 2012, 95, 1628-1633.	3.8	62
7	Nb -Modified $0.9\text{BaTiO}_3 \cdot 0.1(\text{Bi}_{0.5}\text{Na}_{0.5})\text{NbO}_3$ Ceramics for X_9R High-Temperature Dielectrics Application Prepared by Coating Method. <i>Journal of the American Ceramic Society</i> , 2012, 95, 3525-3531.	3.8	55
8	Correlation Between Piezoelectric Properties and Phase Coexistence in $(\text{Ba}, \text{Ca})(\text{Ti}, \text{Zr})\text{O}_3$ Ceramics. <i>Journal of the American Ceramic Society</i> , 2014, 97, 2885-2891.	3.8	51
9	Simultaneous enhancement of piezoelectricity and temperature stability in $(\text{K}, \text{Na})\text{NbO}_3$ -based lead-free piezoceramics by incorporating perovskite zirconates. <i>Journal of Materials Chemistry C</i> , 2018, 6, 10618-10627.	5.5	50
10	Formation of Core-Shell Structure in Ultrafine-Grained BaTiO_3 -Based Ceramics Through Nanodopant Method. <i>Journal of the American Ceramic Society</i> , 2010, 93, 171-175.	3.8	36
11	High Bipolar Fatigue Resistance of BCTZ Lead-Free Piezoelectric Ceramics. <i>Journal of the American Ceramic Society</i> , 2016, 99, 174-182.	3.8	31
12	Unipolar Fatigue Behavior of BCTZ Lead-Free Piezoelectric Ceramics. <i>Journal of the American Ceramic Society</i> , 2016, 99, 1287-1293.	3.8	30
13	Fabrication of Monodispersed 5-nm BaTiO_3 Nanocrystals with Narrow Size Distribution via One-Step Solvothermal Route. <i>Journal of the American Ceramic Society</i> , 2011, 94, 3220-3222.	3.8	28
14	A Novel Approach to the Preparation of a Highly Crystallized BaTiO_3 Layer on Ni Nanoparticles. <i>Journal of the American Ceramic Society</i> , 2013, 96, 2696-2698.	3.8	28
15	Preparation of BME MLCC Powders by Aqueous Chemical Coating Method. <i>Journal of the American Ceramic Society</i> , 2011, 94, 3286-3290.	3.8	21
16	Electric-field-induced phase transitions in co-doped $\text{Pb}(\text{Zr}_{1-x}\text{Ti}_x)\text{O}_3$ at the morphotropic phase boundary. <i>Science and Technology of Advanced Materials</i> , 2014, 15, 015010.	6.1	21
17	Piezoelectric properties of Li, Sb, and Ta co-doped $(\text{K}, \text{Na})\text{NbO}_3$ ceramics with fine grain size sintered by SPS method. <i>Journal of Electroceramics</i> , 2013, 30, 217-220.	2.0	17
18	A self-healing supramolecular hydrogel with temperature-responsive fluorescence based on an AIE luminogen. <i>RSC Advances</i> , 2020, 10, 7118-7124.	3.6	17

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19	Uniform Coating of BaTiO_3 " Dy_2O_3 Compound Nano Layer on Ni Particles for MLCC Electrode. Journal of the American Ceramic Society, 2013, 96, 2163-2166.	3.8	15
20	The effects of three different food acids on the attrition-corrosion wear of human dental enamel. Journal Physics D: Applied Physics, 2015, 48, 285401.	2.8	12
21	The ageing and de-ageing behaviour of $(\text{Ba}_{0.85}\text{Ca}_{0.15})(\text{Ti}_{0.9}\text{Zr}_{0.1})\text{O}_3$ lead-free piezoelectric ceramics. Journal of Applied Physics, 2015, 118, .	2.5	10
22	Phase transition and piezoelectricity of BaZrO_3 -modified $(\text{K},\text{Na})\text{NbO}_3$ lead-free piezoelectric thin films. Journal of the American Ceramic Society, 2019, 102, 2770-2780.	3.8	9
23	Xiaoyao Pill improves the Affective Dysregulation of Sleep-deprived Female Mice by inhibiting Brain Injury and regulating the Content of Monoamine Neurotransmitter. Current Pharmaceutical Biotechnology, 2021, 22, .	1.6	0
24	Temperature Dependent Fracture Toughness of KNN-Based Lead-Free Piezoelectric Ceramics. SSRN Electronic Journal, 0, , .	0.4	0