

Jing Fu

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

1,133
citations

393982

19
h-index

414034

32
g-index

32
all docs

32
docs citations

32
times ranked

1220
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving Dielectric Properties of PVDF Composites by Employing Surface Modified Strong Polarized BaTiO ₃ Particles Derived by Molten Salt Method. ACS Applied Materials & Interfaces, 2015, 7, 24480-24491.	4.0	283
2	The alignment of BCZT particles in PDMS boosts the sensitivity and cycling reliability of a flexible piezoelectric touch sensor. Journal of Materials Chemistry C, 2019, 7, 961-967.	2.7	68
3	Synthesis and characterization of lead-free K _{0.5} Bi _{0.5} TiO ₃ ferroelectrics by sol-gel technique. Journal of Crystal Growth, 2005, 273, 500-503.	0.7	66
4	Advances in lead-free high-temperature dielectric materials for ceramic capacitor application. IET Nanodielectrics, 2018, 1, 3-16.	2.0	61
5	Composition-driven phase boundary and its energy harvesting performance of BCZT lead-free piezoelectric ceramic. Journal of the European Ceramic Society, 2017, 37, 2583-2589.	2.8	59
6	Flexible Piezoelectric Energy Harvester with Extremely High Power Generation Capability by Sandwich Structure Design Strategy. ACS Applied Materials & Interfaces, 2020, 12, 9766-9774.	4.0	52
7	High-performance lead-free ferroelectric BZT-BCT and its application in energy fields. Journal of Materials Chemistry C, 2020, 8, 13530-13556.	2.7	42
8	Relaxor behavior of (K _{0.5} Bi _{0.5})TiO ₃ ceramics derived from molten salt synthesized single-crystalline nanowires. Applied Physics Letters, 2007, 91, 023118.	1.5	41
9	Preparation and Piezoelectricity of NaNbO ₃ High-Density Ceramics by Molten Salt Synthesis. Journal of the American Ceramic Society, 2011, 94, 4329-4334.	1.9	41
10	Facile synthesis and high d ₃₃ of single-crystalline KNbO ₃ nanocubes. Chemical Communications, 2008, , 5137.	2.2	40
11	Comparative study of dielectric properties of the PVDF composites filled with spherical and rod-like BaTiO ₃ derived by molten salt synthesis method. Journal of Materials Science, 2018, 53, 7233-7248.	1.7	37
12	Boosting energy harvesting performance in (Ba,Ca)(Ti,Zr)O ₃ lead-free perovskites through artificial control of intermediate grain size. Dalton Transactions, 2018, 47, 9257-9266.	1.6	35
13	A construction strategy of ferroelectrics by the molten salt method and its application in the energy field. Journal of Materials Chemistry C, 2020, 8, 8704-8731.	2.7	30
14	The role of secondary phase in enhancing transduction coefficient of piezoelectric energy harvesting composites. Journal of Materials Chemistry C, 2019, 7, 3479-3485.	2.7	29
15	High performance piezocomposites for flexible device application. Nanoscale, 2020, 12, 5175-5185.	2.8	28
16	Size dependence of the polarization and dielectric properties of KNbO ₃ nanoparticles. RSC Advances, 2014, 4, 23344-23350.	1.7	25
17	Large electric field induced strain in new lead-free binary (Bi _{1/2} Na _{1/2})TiO ₃ -Ba(Zn _{1/3} Nb _{2/3})O ₃ solid solution. Journal of Alloys and Compounds, 2018, 731, 631-635.	2.8	25
18	Monitoring and forecasting the development trends of nanogenerator technology using citation analysis and text mining. Nano Energy, 2020, 71, 104636.	8.2	25

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19	Fabrication and properties of Na _{0.9} K _{0.1} NbO ₃ nanostructures by molten salt synthesis. Powder Technology, 2013, 246, 144-147.	2.1	19
20	Large electrocaloric effect near room temperature in lead-free Bi _{0.5} Na _{0.5} TiO ₃ -based ergodic relaxor observed by differential scanning calorimetry. Scripta Materialia, 2019, 171, 10-15.	2.6	19
21	Flexible piezoelectric energy harvester with an ultrahigh transduction coefficient by the interconnected skeleton design strategy. Nanoscale, 2020, 12, 13001-13009.	2.8	18
22	Topochemical build-up of BaTiO ₃ nanorods using BaTi ₂ O ₅ as the template. CrystEngComm, 2017, 19, 1115-1122.	1.3	16
23	Synthesis and Piezoelectric Properties of KNbO ₃ Ceramics by Molten-Salt Synthetic Method. Japanese Journal of Applied Physics, 2009, 48, 041405.	0.8	14
24	Two-Step Regulation Strategy Improving Stress Transfer and Poling Efficiency Boosts Piezoelectric Performance of 0°/3° Piezocomposites. ACS Applied Materials & Interfaces, 2021, 13, 41735-41743.	4.0	13
25	High energy harvesting performance in flexible piezocomposites by synergistic design of the piezoelectric phase and conductive phase. Journal of Materials Chemistry C, 2022, 10, 8339-8348.	2.7	9
26	Regulation of the Ba/Sr Ratio of (Ba,Sr)TiO ₃ and Nanorod Build-Up through a Topochemical Synthesis Method Using BaTi ₂ O ₅ as the Template. European Journal of Inorganic Chemistry, 2018, 2018, 3088-3094.	1.0	7
27	High Performance Flexible Piezocomposites Based on a Particle Alignment Strategy. European Journal of Inorganic Chemistry, 2020, 2020, 770-772.	1.0	7
28	Ultrahigh current density and fatigue stability in flexible energy harvester by designing delivery paths. Materials Today Physics, 2021, 19, 100424.	2.9	6
29	Effect of target ferroelectric niobate crystal structure on topochemical processes and product morphology with the Nb ₂ O ₅ precursor. Journal of Crystal Growth, 2019, 509, 96-102.	0.7	5
30	Topochemical Conversion of (111) BaTiO ₃ Piezoelectric Microplatelets Using Ba ₆ Ti ₁₇ O ₄₀ as the Precursor. Crystal Growth and Design, 2019, 19, 1198-1205.	1.4	5
31	High piezoelectric properties above 150 °C in (Bi _{0.5} Na _{0.5})TiO ₃ -Based lead-free piezoelectric ceramics. Materials Chemistry and Physics, 2020, 249, 122966.	2.0	5
32	Composition-induced phase evolution and high strain response in Ba(Zn _{1/3} Nb _{2/3})O ₃ -modified (Bi _{0.5} Na _{0.5})TiO ₃ -based lead-free ferroelectrics. RSC Advances, 2018, 8, 12269-12275.	1.7	3