

Tianyu Li

List of Publications by Year in descending order

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28
papers

786
citations

567281

15
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

373
citing authors

#	ARTICLE	IF	CITATIONS
1	Fine-grain induced outstanding energy storage performance in novel Bi _{0.5} K _{0.5} TiO ₃ –Ba(Mg _{1/3} Nb _{2/3})O ₃ ceramics via a hot-pressing strategy. <i>Journal of Materials Chemistry C</i> , 2019, 7, 12127-12138.	12.7	119
2	Energy storage performance of Na _{0.5} Bi _{0.5} TiO ₃ -SrTiO ₃ lead-free relaxors modified by AgNb _{0.85} Ta _{0.15} O ₃ . <i>Chemical Engineering Journal</i> , 2021, 406, 127151.	12.7	117
3	NaNbO ₃ -CaTiO ₃ lead-free relaxor antiferroelectric ceramics featuring giant energy density, high energy efficiency and power density. <i>Chemical Engineering Journal</i> , 2022, 429, 132534.	12.7	69
4	Ultrahigh Energy-Storage Performances in Lead-free Na _{0.5} Bi _{0.5} TiO ₃ -Based Relaxor Antiferroelectric Ceramics through a Synergistic Design Strategy. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 22263-22269.	8.0	53
5	TiO ₂ /(K,Na)NbO ₃ Nanocomposite for Boosting Humidity-Sensing Performances. <i>ACS Sensors</i> , 2020, 5, 1345-1353.	7.8	46
6	Outstanding Energy Storage Performance of Na _{0.5} Bi _{0.5} TiO ₃ -BaTiO ₃ -(Sr _{0.85} Bi _{0.1})(Mg _{1/3} Nb _{2/3})O ₃ Lead-Free Ceramics. <i>ACS Applied Energy Materials</i> , 2021, 4, 9362-9367.	7.8	36
7	Giant and controllable humidity sensitivity achieved in (Na+Nb) co-doped rutile TiO ₂ . <i>Sensors and Actuators B: Chemical</i> , 2019, 293, 151-158.	7.8	36
8	Outstanding energy-storage and charge–discharge performances in Na _{0.5} Bi _{0.5} TiO ₃ lead-free ceramics via linear additive of Ca _{0.85} Bi _{0.1} TiO ₃ . <i>Chemical Engineering Journal</i> , 2022, 435, 135065.	12.7	32
9	TiO ₂ /NaNbO ₃ heterojunction for boosted humidity sensing ability. <i>Sensors and Actuators B: Chemical</i> , 2020, 309, 127803.	7.8	27
10	Effects of sintering method on the structural, dielectric and energy storage properties of AgNbO ₃ lead-free antiferroelectric ceramics. <i>Journal of Materials Science</i> , 2021, 56, 13499-13508.	3.7	24
11	High energy storage performance and fast discharging speed in dense 0.7Bi _{0.5} K _{0.5} TiO ₃ -0.3SrTiO ₃ ceramics via a novel rolling technology. <i>Ceramics International</i> , 2020, 46, 6995-6998.	4.8	23
12	Normal-relaxor ferroelectric phase transition induced morphotropic phase boundary accompanied by enhanced piezoelectric and electrostrain properties in strontium modulated Bi _{0.5} K _{0.5} TiO ₃ lead-free ceramics. <i>Journal of the European Ceramic Society</i> , 2020, 40, 3918-3927.	5.7	23
13	Colossal dielectric behavior in BaFeO _{3-δ} ceramics. <i>Ceramics International</i> , 2019, 45, 13484-13487.	4.8	21
14	Low-temperature Maxwell–Wagner relaxation in (Na+ \hat{A} Nb) co-doped rutile TiO ₂ colossal permittivity ceramics. <i>Journal of the American Ceramic Society</i> , 2020, 103, 1839-1845.	3.8	19
15	Microstructure, colossal permittivity, and humidity sensitivity of (Na, Nb) co-doped rutile TiO ₂ ceramics. <i>Journal of the American Ceramic Society</i> , 2019, 102, 6688-6696.	3.8	18
16	X9R-type Ag ₁₋₃ Bi NbO ₃ based lead-free dielectric ceramic capacitors with excellent energy-storage properties. <i>Ceramics International</i> , 2022, 48, 2533-2537.	4.8	16
17	Effect of Y ₂ O ₃ , Nd ₂ O ₃ or Sm ₂ O ₃ on the microstructure and electrical properties of ZnVMnNbO varistor ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 450-456.	2.2	15
18	High energy storage density and efficiency with excellent temperature and frequency stabilities under low operating field achieved in Ag _{0.91} Sm _{0.03} NbO ₃ -modified Na _{0.5} Bi _{0.5} TiO ₃ -BaTiO ₃ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 16928-16937.	2.2	15

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19	Metastable oxygen vacancy ordering state and improved memristive behavior in TiO ₂ crystals. <i>Science Bulletin</i> , 2020, 65, 631-639.	9.0	15
20	Simultaneously achieved high energy-storage and superior charge/discharge performance in K _{0.5} Bi _{0.5} TiO ₃ -based lead-free ceramics by A-site defect engineering. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 12121-12133.	2.2	12
21	Significantly improved dielectric properties of TiO ₂ ceramics through acceptor-doping and Ar/H ₂ annealing. <i>Ceramics International</i> , 2021, 47, 1551-1557.	4.8	11
22	Using semi-finished Ce-La extracts as the sole RE source to synthesize high-performance ZnVMnNbO varistor ceramics. <i>Ceramics International</i> , 2018, 44, 6912-6917.	4.8	9
23	Excellent energy storage properties in NaNbO ₃ -based lead-free ceramics by modulating antiferrodistortive of P phase. <i>Journal of Alloys and Compounds</i> , 2021, 898, 162934.	5.5	9
24	Tuning the electrocaloric effect in 0.94Bi _{0.5} Na _{0.5} TiO ₃ -0.06BaTiO ₃ ceramics by relaxor phase blending. <i>Ceramics International</i> , 2020, 46, 4454-4461.	4.8	7
25	Effect of Bi(Li _{0.5} Nb _{0.5})O ₃ addition on structural, dielectric, and energy storage properties of Na _{0.5} Bi _{0.5} TiO ₃ -BaZrO ₃ lead-free ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 20342-20350.	2.2	6
26	Colossal permittivity in (Li + Nb) co-doped Fe ₂ O ₃ ceramics. <i>Current Applied Physics</i> , 2020, 20, 866-870.	2.4	2
27	Superior Linear Response of K ₂ Ti ₂ O ₅ in Low and Medium Humidity Ranges. <i>ACS Applied Electronic Materials</i> , 2021, 3, 3445-3450.	4.3	2
28	Giant strains of 0.5% accompanying polarization extension and polarization rotation in (Bi _{0.5} Na _{0.5})TiO ₃ –PbTiO ₃ –Pb(Zn _{1/3} Nb _{2/3})O ₃ ternary system. <i>Journal of Materials Science: Materials in Electronics</i> , 0, , 1.	2.2	0