

Jing Zhou

List of Publications by Year in descending order

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54
papers

1,924
citations

586496

16
h-index

274796

44
g-index

54
all docs

54
docs citations

54
times ranked

4004
citing authors

#	ARTICLE	IF	CITATIONS
1	Superior Electrochemical Performance and Storage Mechanism of Na ₃ V ₂ (PO ₄) ₃ Cathode for Room-Temperature Sodium-Ion Batteries. <i>Advanced Energy Materials</i> , 2013, 3, 156-160.	10.2	817
2	Preparation of carbon coated MoS ₂ flower-like nanostructure with self-assembled nanosheets as high-performance lithium-ion battery anodes. <i>Journal of Materials Chemistry A</i> , 2014, 2, 7862.	5.2	226
3	High sensitivity and good selectivity of ultralong MoO ₃ nanobelts for trimethylamine gas. <i>Sensors and Actuators B: Chemical</i> , 2016, 226, 478-485.	4.0	215
4	Effects of PbO Content on the Dielectric Properties and Energy Storage Performance of (Pb _{0.97} La _{0.02})(Zr _{0.97} Ti _{0.03})O ₃ Antiferroelectric Thin Films. <i>Journal of the American Ceramic Society</i> , 2011, 94, 1647-1650.	1.9	60
5	A green synthesis route for the phase and size tunability of copper antimony sulfide nanocrystals with high yield. <i>Nanoscale</i> , 2016, 8, 5146-5152.	2.8	54
6	Electromechanical Properties and Morphotropic Phase Boundary of Na _{0.5} Bi _{0.5} TiO ₃ -K _{0.5} Bi _{0.5} TiO ₃ -BaTiO ₃ Lead-free Piezoelectric Ceramics. <i>Journal of Electroceramics</i> , 2005, 15, 229-235.	0.8	50
7	Alkyl Chain Tuning of Non-fullerene Electron Acceptors toward 18.2% Efficiency Binary Organic Solar Cells. <i>Chemistry of Materials</i> , 2021, 33, 8854-8862.	3.2	50
8	Surface modification of BMN particles with silane coupling agent for composites with PTFE. <i>Applied Surface Science</i> , 2017, 414, 147-152.	3.1	41
9	Size-Dependent Synthesis of Cu ₁₂ Sb ₄ S ₁₃ Nanocrystals with Bandgap Tunability. <i>Particle and Particle Systems Characterization</i> , 2015, 32, 999-1005.	1.2	35
10	Dielectric and Piezoelectric Properties of Na _{0.5} Bi _{0.5} TiO ₃ -K _{0.5} Bi _{0.5} TiO ₃ -NaNbO ₃ Lead-Free Ceramics. <i>Journal of Electroceramics</i> , 2005, 14, 53-58.	0.8	34
11	Mesoporous Carbon Nanofibers Embedded with MoS ₂ Nanocrystals for Extraordinary Li-Ion Storage. <i>Chemistry - A European Journal</i> , 2015, 21, 18248-18257.	1.7	25
12	Enhanced piezoelectric property and promoted depolarization temperature in Fe doped Bi _{1/2} (Na _{0.8} K _{0.2}) _{1/2} TiO ₃ lead-free ceramics. <i>Ceramics International</i> , 2017, 43, 16395-16402.	2.3	25
13	Effect of filler structure on the dielectric and thermal properties of SiO ₂ /PTFE composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 9196-9202.	1.1	23
14	Synthesis of Bi ₂ Fe ₄ O ₉ /reduced graphene oxide composite by one-step hydrothermal method and its high photocatalytic performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2014, 25, 4212-4218.	1.1	20
15	Boosting the Electrochemical Performance of Li _{1.2} Ni _{0.13} Co _{0.13} Mn _{0.54} O ₂ by Rough Coating with the Superionic Conductor Li ₇ La ₃ Zr ₂ O ₁₂ . <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 54916-54923.	4.0	20
16	Synthesis of (Na _{0.5} Bi _{0.5})TiO ₃ and (Na _{0.5} Bi _{0.5}) _{0.92} Ba _{0.08} TiO ₃ powders by a citrate method. <i>Journal of Materials Science</i> , 2006, 41, 6146-6149.	1.7	16
17	Improvement in temperature dependence and dielectric tunability properties of PbZr _{0.52} Ti _{0.48} O ₃ thin films using Ba(Mg _{1/3} Ta _{2/3})O ₃ buffer layer. <i>Applied Surface Science</i> , 2016, 388, 579-583.	3.1	14
18	The dielectric properties and dielectric mechanism of perovskite ceramic CLST/PTFE composites. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 11665-11670.	1.1	13

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19	Effects of residual stress on the electrical properties in PbZr _{0.52} Ti _{0.48} O ₃ thin films. Journal of Sol-Gel Science and Technology, 2015, 75, 551-556.	1.1	12
20	Stabilization of Ferroelectric Order in Bi _{1/2} (Na _{0.8} K _{0.2}) _{1/2} TiO ₃ Lead-Free Ceramics with Fe Doping. Journal of Electronic Materials, 2017, 46, 6167-6174.	1.0	12
21	Composition-insensitive enhanced piezoelectric properties in SrZrO ₃ modified (K, Na)NbO ₃ -based lead-free ceramics. Journal of Electroceramics, 2020, 44, 95-103.	0.8	12
22	Ultra-low permittivity HSM/PTFE composites for high-frequency microwave circuit application. Journal of Materials Science: Materials in Electronics, 2022, 33, 10096-10103.	1.1	11
23	Relaxor behavior and ferroelectric properties of Na _{0.5} Bi _{0.5} TiO ₃ -K _{0.5} Bi _{0.5} TiO ₃ -KNbO ₃ lead-free ceramics. Journal of Materials Science, 2005, 40, 3625-3628.	1.7	10
24	Enhancing high-frequency dielectric and mechanical properties of SiO ₂ /PTFE composites from the interface fluorination. Ceramics International, 2022, 48, 28512-28518.	2.3	10
25	Effects on the thermal expansion coefficient and dielectric properties of CLST/PTFE filled with modified glass fiber as microwave material. Chinese Chemical Letters, 2019, 30, 1111-1114.	4.8	9
26	Detection of residual stress in Ba(Mg _{1/3} Ta _{2/3})O ₃ thin films by nanoindentation technique. Ceramics International, 2015, 41, 11632-11636.	2.3	7
27	TEOS surface modification of CLST ceramic particles for PTFE-based composites. Journal of Materials Science: Materials in Electronics, 2018, 29, 17195-17200.	1.1	7
28	Direct measurement of electric field-induced strains of a single lead zirconate titanate piezoelectric ceramic fibre under various conditions. Ceramics International, 2015, 41, 1657-1662.	2.3	6
29	Morphologies controllable synthesis of MoS ₂ by hot-injection method: from quantum dots to nanosheets. Journal of Materials Science: Materials in Electronics, 2017, 28, 13633-13637.	1.1	6
30	Photoluminescence properties of NUV light excited Ba(Mg _{1/3} Nb _{2/3})O ₃ :Eu ³⁺ red phosphor with high color purity. Ceramics International, 2019, 45, 11844-11849.	2.3	6
31	Density Functional Investigation on $\hat{\Gamma}$ -MoO ₃ (100): Amines Adsorption and Surface Chemistry. ACS Sensors, 2022, 7, 1213-1221.	4.0	6
32	Effect of heterogeneous interface on the microwave dielectric properties of Ca(Mg _{1/3} Nb _{2/3})O ₃ /CaTiO ₃ thin films. Applied Surface Science, 2012, 259, 29-33.	3.1	5
33	Effects of Ba(Mg _{1/3} Ta _{2/3})O ₃ buffer layer on the fatigue behavior in Pb(Zr _{0.52} Ti _{0.48})O ₃ thin films. Journal of Sol-Gel Science and Technology, 2015, 74, 234-239.	1.1	5
34	Aqueous Solution "Gel Preparation and Dielectric Properties of Ba(Mg _{1/3} Nb _{2/3})O ₃ Thin Films with Long-Range Order. Journal of the American Ceramic Society, 2015, 98, 873-878.	1.9	5
35	3D microstructures with MoO ₂ nanocrystallines embedded into interpenetrated carbon nanosheets for lithium ion batteries. Journal of Materials Science: Materials in Electronics, 2018, 29, 11521-11528.	1.1	5
36	Electric field-temperature phase diagram of Bi _{1/2} (Na _{0.8} K _{0.2}) _{1/2} TiO ₃ relaxor ferroelectrics with Fe doping. Journal of Applied Physics, 2019, 126, .	1.1	5

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37	Sodium-Ion Batteries: Superior Electrochemical Performance and Storage Mechanism of Na ₃ V ₂ (PO ₄) ₃ Cathode for Room-Temperature Sodium-Ion Batteries (Adv. Energy Mater. 2/2013). Advanced Energy Materials, 2013, 3, 138-138.	10.2	4
38	Square cross-section piezoelectric fiber composites: structure and ferroelectric properties. Journal of Materials Science: Materials in Electronics, 2016, 27, 3033-3038.	1.1	4
39	Tristate ferroelectric memory and strain memory in Bi _{1/2} Na _{1/2} TiO ₃ -based relaxor ferroelectrics. Applied Physics Letters, 2018, 113, .	1.5	4
40	Effect of Ba(Mg _{1/3} Nb _{2/3})O ₃ buffer layer on electrical properties of PZT-based films. Journal of Materials Science: Materials in Electronics, 2020, 31, 9928-9936.	1.1	4
41	High-field nonlinear properties and characteristics of domain wall motion in Fe ₂ O ₃ doped PMnS-PZN-PZT ceramics. Ferroelectrics, 2020, 560, 110-122.	0.3	4
42	The surface residual stress of monocrystalline silicon in ultrasonic vibration-assisted diamond wire sawing. International Journal of Advanced Manufacturing Technology, 2022, 121, 3079-3091.	1.5	4
43	Thermal and Mechanical Properties of Epoxy Resin Modified with N-(4-hydroxyphenyl)terahydrophthalic Anhydrideimide. Journal Wuhan University of Technology, Materials Science Edition, 2018, 33, 744-748.	0.4	3
44	Resistive-switching tunability with size-dependent all-inorganic zero-dimensional tetrahedrite quantum dots. Science China Materials, 2020, 63, 2497-2508.	3.5	3
45	The electrochemical property and crystal structure of Li _{1+x} Ni _{0.45} Co _{0.1} Mn _{0.45} O ₂ (0.05 ≤ x ≤ 0.4) cathode materials under 4.6V cut-off. Journal of Alloys and Compounds, 2020, 831, 154489.	2.8	3
46	Thermally induced transitions and depolarization of Fe ₂ O ₃ doped PMnS-PZN-PZT piezoelectric ceramics. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	3
47	Effects of interface number on the temperature and frequency dependence of the properties of Pb(Zr _{0.52} Ti _{0.48})O ₃ /Ba(Mg _{1/3} Ta _{2/3})O ₃ thin films. Thin Solid Films, 2018, 652, 23-27.	0.8	2
48	Tailoring large magnetoresistance in Dirac semimetal SrIrO ₃ films. Applied Physics Letters, 2021, 119, .	1.5	2
49	Preparation and Electrical Properties of Piezoelectric-Embedded Asphalt Mixture. Journal of Testing and Evaluation, 2014, 42, 1119-1126.	0.4	2
50	Size-controlled resistive switching performance and regulation mechanism of SnO ₂ /QDs. Wuli Xuebao/Acta Physica Sinica, 2021, 70, 197301.	0.2	2
51	The effect of stacking sequence and thickness on the structure and microwave dielectric properties of heterogenous Ca(Mg _{1/3} Ta _{2/3})O ₃ /CaTiO ₃ thin films. Journal of Materials Science: Materials in Electronics, 2015, 26, 7361-7366.	1.1	1
52	Ca(Mg _{1/3} Ta _{2/3})O ₃ dielectric thin films: preparation, structure, mechanical and dielectric properties. Journal of Materials Science: Materials in Electronics, 2016, 27, 9391-9397.	1.1	1
53	Study on the interface coupling effect in PbZr _{0.52} Ti _{0.48} O ₃ /Ba(Mg _{1/3} Ta _{2/3})O ₃ thin films. Journal of Materials Science: Materials in Electronics, 2019, 30, 14490-14494.	1.1	1
54	Polar-discontinuity-induced stability of spontaneous polarization in ultrathin perovskite films. Ceramics International, 2020, 46, 26698-26704.	2.3	0