

Xinghao Hu

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

970
citations

567281

15
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

1140
citing authors

#	ARTICLE	IF	CITATIONS
1	Nano-Ferroelectric for High Efficiency Overall Water Splitting under Ultrasonic Vibration. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 15076-15081.	13.8	185
2	Major contributor to the large piezoelectric response in $(1-x)Ba(Zr_{0.2}Ti_{0.8})O_3-x(Ba_{0.7}Ca_{0.3})TiO_3$ ceramics: Domain wall motion. <i>Applied Physics Letters</i> , 2014, 104, .	3.0	100
3	Unipolar stroke, electroosmotic pump carbon nanotube yarn muscles. <i>Science</i> , 2021, 371, 494-498.	12.6	110
4	Enhancing dielectric permittivity for energy-storage devices through tricritical phenomenon. <i>Scientific Reports</i> , 2017, 7, 40916.	3.3	96
5	Understanding the mechanism of large dielectric response in Pb-free $(1-x)Ba(Zr_{0.2}Ti_{0.8})O_3-x(Ba_{0.7}Ca_{0.3})TiO_3$ ferroelectric ceramics. <i>Acta Materialia</i> , 2017, 125, 177-186.	7.9	88
6	High Energy Density Performance of Polymer Nanocomposites Induced by Designed Formation of $BaTiO_3$ @sheet-like TiO_2 Hybrid Nanofillers. <i>Journal of Physical Chemistry C</i> , 2016, 120, 11769-11776.	3.1	64
7	Designing High Dielectric Permittivity Material in Barium Titanate. <i>Journal of Physical Chemistry C</i> , 2017, 121, 13106-13113.	3.1	48
8	Phase transition sequence in Pb-free $0.96(K_{0.5}Na_{0.5})_{0.95}Li_{0.05}Nb_{0.93}Sb_{0.07}O_3\sim 0.04BaZrO_3$ ceramic with large piezoelectric response. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	37
9	Phase transition behaviours near the triple point for Pb-free $(1-x)Ba(Zr_{0.2}Ti_{0.8})O_3-x(Ba_{0.7}Ca_{0.3})TiO_3$ piezoceramics. <i>Europhysics Letters</i> , 2016, 115, 37001.	2.0	37
10	Low temperature tolerant, ultrasensitive strain sensors based on self-healing hydrogel for self-monitor of human motion. <i>Synthetic Metals</i> , 2019, 257, 116177.	3.9	30
11	Ferroelectric Domain Walls Approaching Morphotropic Phase Boundary. <i>Journal of Physical Chemistry C</i> , 2017, 121, 2243-2250.	3.1	22
12	An Investigation on Hybrid Particle Swarm Optimization Algorithms for Parameter Optimization of PV Cells. <i>Electronics (Switzerland)</i> , 2022, 11, 909.	3.1	22
13	Fast Large-Stroke Sheath-Driven Electrothermal Artificial Muscles with High Power Densities. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	21
14	Carbon Nanotube Hybrid Yarn with Mechanically Strong Healable Silicone Elastomers for Artificial Muscle. <i>ACS Applied Nano Materials</i> , 2021, 4, 5123-5130.	5.0	16
15	Nano-Ferroelectric for High Efficiency Overall Water Splitting under Ultrasonic Vibration. <i>Angewandte Chemie</i> , 2019, 131, 15220-15225.	2.0	15
16	Critical triple point as the origin of giant piezoelectricity in $PbMg_{1/3}Nb_{2/3}O_3$ - $PbTiO_3$ system. <i>Journal of Applied Physics</i> , 2020, 128, .	2.5	12
17	Electrostrain Enhancement at Tricritical Point for $BaTi_{1-x}Hf_xO_3$ Ceramics. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 5388-5394.	2.5	11
18	Reversible Domain-Wall-Motion-Induced Low-Hysteretic Piezoelectric Response in Ferroelectrics. <i>Journal of Physical Chemistry C</i> , 2019, 123, 15434-15440.	3.1	9

#	ARTICLE	IF	CITATIONS
19	Wireâ€Shaped and Membraneâ€Free Fuel Cell Based on Biscrolled Carbon Nanotube Yarn. Energy Technology, 2019, 7, 1900122.	3.8	8
20	Electrical energy generation by squeezing a graphene-based aerogel in an electrolyte. Nanoscale, 2021, 13, 8304-8312.	5.6	8
21	Flexible actuator by electric bending of saline solution-filled carbon nanotubes. Journal Physics D: Applied Physics, 2022, 55, 215301.	2.8	1
22	Understanding ultrahigh dielectric response in tricritical ferroelectrics. , 2018, , .		0