Xinghao Hu

List of Publications by Year
in descending order

22	970	567281 15	713466 21
papers	citations	h-index	g-index

23	23	23	1140
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flexible actuator by electric bending of saline solution-filled carbon nanotubes. Journal Physics D: Applied Physics, 2022, 55, 215301.	2.8	1
2	An Investigation on Hybrid Particle Swarm Optimization Algorithms for Parameter Optimization of PV Cells. Electronics (Switzerland), 2022, 11, 909.	3.1	22
3	Fast Largeâ€Stroke Sheathâ€Driven Electrothermal Artificial Muscles with High Power Densities. Advanced Functional Materials, 2022, 32, .	14.9	21
4	Unipolar stroke, electroosmotic pump carbon nanotube yarn muscles. Science, 2021, 371, 494-498.	12.6	110
5	Electrical energy generation by squeezing a graphene-based aerogel in an electrolyte. Nanoscale, 2021, 13, 8304-8312.	5.6	8
6	Carbon Nanotube Hybrid Yarn with Mechanically Strong Healable Silicone Elastomers for Artificial Muscle. ACS Applied Nano Materials, 2021, 4, 5123-5130.	5.0	16
7	Electrostrain Enhancement at Tricritical Point for BaTi1â^'xHfxO3 Ceramics. Journal of Materials Engineering and Performance, 2020, 29, 5388-5394.	2.5	11
8	Critical triple point as the origin of giant piezoelectricity in PbMg1/3Nb2/3O3-PbTiO3 system. Journal of Applied Physics, 2020, 128, .	2.5	12
9	Nanoâ€Ferroelectric for High Efficiency Overall Water Splitting under Ultrasonic Vibration. Angewandte Chemie - International Edition, 2019, 58, 15076-15081.	13.8	185
10	Nanoâ€Ferroelectric for High Efficiency Overall Water Splitting under Ultrasonic Vibration. Angewandte Chemie, 2019, 131, 15220-15225.	2.0	15
11	Low temperature tolerant, ultrasensitive strain sensors based on self-healing hydrogel for self-monitor of human motion. Synthetic Metals, 2019, 257, 116177.	3.9	30
12	Reversible Domain-Wall-Motion-Induced Low-Hysteretic Piezoelectric Response in Ferroelectrics. Journal of Physical Chemistry C, 2019, 123, 15434-15440.	3.1	9
13	Wireâ€Shaped and Membraneâ€Free Fuel Cell Based on Biscrolled Carbon Nanotube Yarn. Energy Technology, 2019, 7, 1900122.	3.8	8
14	Understanding ultrahigh dielectric response in tricritical ferroelectrics. , 2018, , .		0
15	Enhancing dielectric permittivity for energy-storage devices through tricritical phenomenon. Scientific Reports, 2017, 7, 40916.	3.3	96
16	Ferroelectric Domain Walls Approaching Morphotropic Phase Boundary. Journal of Physical Chemistry C, 2017, 121, 2243-2250.	3.1	22
17	Designing High Dielectric Permittivity Material in Barium Titanate. Journal of Physical Chemistry C, 2017, 121, 13106-13113.	3.1	48
18	Understanding the mechanism of large dielectric response in Pb-free (1â^'x)Ba(Zr0.2Ti0.8)O3â^'x(Ba0.7Ca0.3)TiO3 ferroelectric ceramics. Acta Materialia, 2017, 125, 177-186.	7.9	88

#	Article	IF	Citations
19	Phase transition behaviours near the triple point for Pb-free (1 â˜’ x)Ba(Zr _{0.2} Ti) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf piezoceramics. Europhysics Letters, 2016, 115, 37001.	2.0	37
20	High Energy Density Performance of Polymer Nanocomposites Induced by Designed Formation of BaTiO₃@sheet-likeTiO₂ Hybrid Nanofillers. Journal of Physical Chemistry C, 2016, 120, 11769-11776.	3.1	64
21	Phase transition sequence in Pb-free 0.96(K0.5Na0.5)0.95Li0.05Nb0.93 Sb0.07O3â˜’0.04BaZrO3 ceramic with large piezoelectric response. Applied Physics Letters, 2015, 107, .	3.3	37
22	Major contributor to the large piezoelectric response in (1â€‰â˜’â€‰x)Ba(Zr0.2Ti0.8)O3â€‰â˜’â€‰x(Ba0.7Ca0.3)TiO3 ceramics: Domain wall motion. Applied Physics Letters, 2014, 104, .	3.3	103