

Li-Hua Shao

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

568
citations

759233

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26
all docs

26
docs citations

26
times ranked

872
citing authors

#	ARTICLE	IF	CITATIONS
1	All-in-one cellulose based hybrid tribo/piezoelectric nanogenerator. Nano Research, 2019, 12, 1831-1835.	10.4	89
2	4D printing composite with electrically controlled local deformation. Extreme Mechanics Letters, 2020, 39, 100793.	4.1	54
3	Uniform yolk-shell structured Si@C nanoparticles as a high performance anode material for the Li-ion battery. Chemical Communications, 2020, 56, 364-367.	4.1	53
4	Piezoelectric Gold: Strong Charge-Load Response in a Metal-Based Hybrid Nanomaterial. Advanced Functional Materials, 2016, 26, 5174-5181.	14.9	51
5	Electrocapillary maximum and potential of zero charge of carbon aerogel. Physical Chemistry Chemical Physics, 2010, 12, 7580.	2.8	44
6	Electrically Tunable Nanoporous Carbon Hybrid Actuators. Advanced Functional Materials, 2012, 22, 3029-3034.	14.9	39
7	Ultrahigh flexoelectric effect of 3D interconnected porous polymers: modelling and verification. Journal of the Mechanics and Physics of Solids, 2021, 151, 104396.	4.8	35
8	Hierarchical nested-network porous copper fabricated by one-step dealloying for glucose sensing. Journal of Alloys and Compounds, 2016, 681, 109-114.	5.5	29
9	Electrochemical Modulation of Photonic Metamaterials. Advanced Materials, 2010, 22, 5173-5177.	21.0	28
10	Nanoporous-Gold-Based Hybrid Cantilevered Actuator Dealloyed and Driven by A Modified Rotary Triboelectric Nanogenerator. Scientific Reports, 2016, 6, 24092.	3.3	19
11	Transparent and electrically tunable electromagnetic wave absorbing metamaterial. Applied Physics Letters, 2022, 120, .	3.3	18
12	The Mechanical Characteristics of Monolithic Nanoporous Copper and Its Composites. Advanced Engineering Materials, 2018, 20, 1800574.	3.5	15
13	Dual-Stimuli Responsive Carbon Nanotube Sponge-PDMS Amphibious Actuator. Nanomaterials, 2019, 9, 1704.	4.1	12
14	Nanostructured MWCNT/Polypyrrole Actuators with Anisotropic Strain Response. Advanced Engineering Materials, 2016, 18, 597-607.	3.5	11
15	A Bioinspired Functionalization of Polypropylene Separator for Lithium-Sulfur Battery. Polymers, 2019, 11, 728.	4.5	11
16	The free-standing nanoporous palladium for hydrogen isotope storage. Journal of Alloys and Compounds, 2021, 854, 157062.	5.5	11
17	Monitoring the length change of Ni@C composite electrodes during charging/discharging processes. Electrochemistry Communications, 2019, 103, 94-99.	4.7	9
18	Effect of Thermal Conductivity on Enhanced Evaporation of Water Droplets from Heated Graphene@PDMS Composite Surfaces. Langmuir, 2019, 35, 6916-6921.	3.5	8

#	ARTICLE	IF	CITATIONS
19	Modulating the morphology of ZnO nanorod arrays on SiO ₂ -mask-patterned GaN template. <i>Materials Letters</i> , 2017, 195, 22-25.	2.6	7
20	Soft Robot Based on Hyperelastic Buckling Controlled by Discontinuous Magnetic Field. <i>Journal of Mechanisms and Robotics</i> , 2022, 14, .	2.2	7
21	Hierarchical Nanoporous Carbon Templated and Catalyzed by the Bicontinuous Nanoporous Copper for High Performance Electrochemical Capacitors. <i>ChemistrySelect</i> , 2019, 4, 6437-6444.	1.5	6
22	3D hierarchical macro/mesoporous TiO ₂ with nanoporous or nanotubular structures and their core/shell composites achieved by anodization. <i>CrystEngComm</i> , 2017, 19, 2509-2516.	2.6	5
23	Investigation of the distinct optical property of nanoporous gold. <i>Results in Physics</i> , 2019, 15, 102645.	4.1	4
24	Ultrafast Dynamics and Energy Relaxation for Nanoporous Gold Materials: Lower Porosity and Faster Energy Exchange. <i>Journal of Physical Chemistry C</i> , 2020, 124, 6356-6363.	3.1	3
25	A Facile Route to Synthesize Micron Size Nearly Spherical Mesoporous Silica Particles. <i>ChemistrySelect</i> , 2019, 4, 2603-2606.	1.5	0