

Xiaoguang Liang

List of Publications by Year in descending order

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papers

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623734

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docs citations

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1223
citing authors

#	ARTICLE	IF	CITATIONS
1	In situ formation of highly active Ni-Fe based oxygen-evolving electrocatalysts via simple reactive dip-coating. <i>Journal of Materials Chemistry A</i> , 2017, 5, 11009-11015.	10.3	85
2	Novel Series of Quasi-2D Ruddlesden-Popper Perovskites Based on Short-Chained Spacer Cation for Enhanced Photodetection. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 19019-19026.	8.0	75
3	Approaching the Hole Mobility Limit of GaSb Nanowires. <i>ACS Nano</i> , 2015, 9, 9268-9275.	14.6	70
4	Ultra-fast photodetectors based on high-mobility indium gallium antimonide nanowires. <i>Nature Communications</i> , 2019, 10, 1664.	12.8	70
5	Ionic Covalent Organic Frameworks for Energy Devices. <i>Advanced Materials</i> , 2021, 33, e2105647.	21.0	64
6	Self-Assembly of Colloidal Spheres toward Fabrication of Hierarchical and Periodic Nanostructures for Technological Applications. <i>Advanced Materials Technologies</i> , 2019, 4, 1800541.	5.8	62
7	High-Performance GaAs Nanowire Solar Cells for Flexible and Transparent Photovoltaics. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 20454-20459.	8.0	58
8	Enhanced performance of perovskite solar cells based on vertical TiO ₂ nanotube arrays with full filling of CH ₃ NH ₃ PbI ₃ . <i>Applied Surface Science</i> , 2018, 451, 250-257.	6.1	32
9	Gel polymer electrolyte with MXene to extend cycle lifespan of flexible and rechargeable Zinc-Air batteries. <i>Journal of Power Sources</i> , 2022, 523, 231020.	7.8	25
10	Coupling of Nickel Boride and Ni(OH) ₂ Nanosheets with Hierarchical Interconnected Conductive Porous Structure Synergizes the Oxygen Evolution Reaction. <i>ChemCatChem</i> , 2018, 10, 4555-4561.	3.7	23
11	Crystalline InGaZnO quaternary nanowires with superlattice structure for high-performance thin-film transistors. <i>Nano Research</i> , 2019, 12, 1796-1803.	10.4	20
12	Self-Assembly of Colloidal Particles for Fabrication of Structural Color Materials toward Advanced Intelligent Systems. <i>Advanced Intelligent Systems</i> , 2020, 2, 1900085.	6.1	18
13	Nanofiber Composite for Improved Water Retention and Dendrites Suppression in Flexible Zinc-Air Batteries. <i>Small</i> , 2021, 17, e2103048.	10.0	18
14	Inverted Silicon Nanopencil Array Solar Cells with Enhanced Contact Structures. <i>Scientific Reports</i> , 2016, 6, 34139.	3.3	17
15	Modulating the Morphology and Electrical Properties of GaAs Nanowires via Catalyst Stabilization by Oxygen. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 5591-5597.	8.0	16
16	Hierarchically porous N-doped carbon nanofibers derived from ZIF-8/PAN composites for benzene adsorption. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50431.	2.6	13
17	Hierarchically structured PVP porous fibers derived from the embedding of NaY zeolite synergize the adsorption of benzene. <i>Composites Part B: Engineering</i> , 2019, 179, 107542.	12.0	12
18	Spray printed conjugated polymer on tissue paper for highly sensitive pressure sensors. <i>Polymer International</i> , 2021, 70, 450-456.	3.1	12

#	ARTICLE	IF	CITATIONS
19	Phosphorus/nitrogen co-doped and bimetallic MOF-derived cathode for all-solid-state rechargeable zinc-air batteries. RSC Advances, 2020, 10, 33327-33333.	3.6	11
20	Enhanced Self-Assembly of Crystalline, Large-Area, and Periodicity-Tunable TiO ₂ Nanotube Arrays on Various Substrates. ACS Applied Materials & Interfaces, 2017, 9, 6265-6272.	8.0	10
21	Multilevel Resistive Switching Memory Based on a CH ₃ NH ₃ PbI ₃ Film with Potassium Chloride Additives. Nanoscale Research Letters, 2020, 15, 126.	5.7	7