

Xiuqiang Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9578000/publications.pdf>

Version: 2024-02-01

35
papers

6,465
citations

201575

27
h-index

360920

35
g-index

36
all docs

36
docs citations

36
times ranked

3871
citing authors

#	ARTICLE	IF	CITATIONS
1	Graphene oxide-based efficient and scalable solar desalination under one sun with a confined 2D water path. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13953-13958.	3.3	971
2	Mushrooms as Efficient Solar Steam Generation Devices. Advanced Materials, 2017, 29, 1606762.	11.1	922
3	Flexible and Salt Resistant Janus Absorbers by Electrospinning for Stable and Efficient Solar Desalination. Advanced Energy Materials, 2018, 8, 1702884.	10.2	635
4	Enhancement of Interfacial Solar Vapor Generation by Environmental Energy. Joule, 2018, 2, 1331-1338.	11.7	507
5	Three-dimensional artificial transpiration for efficient solar waste-water treatment. National Science Review, 2018, 5, 70-77.	4.6	363
6	A water lily-inspired hierarchical design for stable and efficient solar evaporation of high-salinity brine. Science Advances, 2019, 5, eaaw7013.	4.7	335
7	Over 10 kg m ⁻² h ⁻¹ Evaporation Rate Enabled by a 3D Interconnected Porous Carbon Foam. Joule, 2020, 4, 928-937.	11.7	263
8	The revival of thermal utilization from the Sun: interfacial solar vapor generation. National Science Review, 2019, 6, 562-578.	4.6	260
9	Measuring Conversion Efficiency of Solar Vapor Generation. Joule, 2019, 3, 1798-1803.	11.7	246
10	Interfacial Solar Steam Generation Enables Fast-Responsive, Energy-Efficient, and Low-Cost Off-Grid Sterilization. Advanced Materials, 2018, 30, e1805159.	11.1	208
11	Storage and Recycling of Interfacial Solar Steam Enthalpy. Joule, 2018, 2, 2477-2484.	11.7	205
12	Integration of daytime radiative cooling and solar heating for year-round energy saving in buildings. Nature Communications, 2020, 11, 6101.	5.8	188
13	Subambient daytime radiative cooling textile based on nanoprocessed silk. Nature Nanotechnology, 2021, 16, 1342-1348.	15.6	178
14	An Interfacial Solar Heating Assisted Liquid Sorbent Atmospheric Water Generator. Angewandte Chemie - International Edition, 2019, 58, 12054-12058.	7.2	152
15	An Interfacial Solar-Driven Atmospheric Water Generator Based on a Liquid Sorbent with Simultaneous Adsorption-Desorption. Advanced Materials, 2019, 31, e1903378.	11.1	147
16	Minimized lithium trapping by isovalent isomorphism for high initial Coulombic efficiency of silicon anodes. Science Advances, 2019, 5, eaax0651.	4.7	122
17	Graphene oxide based materials for desalination. Carbon, 2019, 146, 320-328.	5.4	98
18	Synergistic Tandem Solar Electricity-Water Generators. Joule, 2020, 4, 347-358.	11.7	91

#	ARTICLE	IF	CITATIONS
19	Photon-engineered radiative cooling textiles. <i>Science</i> , 2020, 370, 784-785.	6.0	68
20	Tuning Transpiration by Interfacial Solar Absorberâ€Leaf Engineering. <i>Advanced Science</i> , 2018, 5, 1700497.	5.6	65
21	Metalized polyamide heterostructure as a moisture-responsive actuator for multimodal adaptive personal heat management. <i>Science Advances</i> , 2021, 7, eabj7906.	4.7	59
22	A scalable fish-school inspired self-assembled particle system for solar-powered water-solute separation. <i>National Science Review</i> , 2021, 8, nwab065.	4.6	58
23	Multispectral Thermal Management Designs for Net-Zero Energy Buildings. , 2020, 2, 1624-1643.		50
24	Interfacial Solar Steam/Vapor Generation for Heating and Cooling. <i>Advanced Science</i> , 2022, 9, e2104181.	5.6	42
25	A Triple-Mode Midinfrared Modulator for Radiative Heat Management of Objects with Various Emissivity. <i>Nano Letters</i> , 2021, 21, 4106-4114.	4.5	36
26	An Interfacial Solar Heating Assisted Liquid Sorbent Atmospheric Water Generator. <i>Angewandte Chemie</i> , 2019, 131, 12182-12186.	1.6	34
27	Simultaneous Perforation and Doping of Si Nanoparticles for Lithium-Ion Battery Anode. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 44452-44457.	4.0	31
28	Design and Utilization of Infrared Light for Interfacial Solar Water Purification. <i>ACS Energy Letters</i> , 2021, 6, 2645-2657.	8.8	29
29	Advances in Solarâ€Driven Hygroscopic Water Harvesting. <i>Global Challenges</i> , 2021, 5, 2000085.	1.8	28
30	3D hollow reduced graphene oxide foam as a stable host for high-capacity lithium metal anodes. <i>Materials Chemistry Frontiers</i> , 2019, 3, 339-343.	3.2	26
31	Ethanol Assisted Transfer for Clean Assembly of 2D Building Blocks and Suspended Structures. <i>Advanced Functional Materials</i> , 2019, 29, 1902427.	7.8	14
32	Bioâ€Inspired Computational Design of Vascularized Electrodes for Highâ€Performance Fastâ€Charging Batteries Optimized by Deep Learning. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	9
33	Influence of temperature and voltage on electrochemical reduction of graphene oxide. <i>Bulletin of Materials Science</i> , 2014, 37, 629-634.	0.8	8
34	Direct and Efficient Preparation of Graphene Transparent Conductive Films on Flexible Poly Carbonate Substrate by Spray-Coating. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 9500-9508.	0.9	8
35	Anomalous thermal anisotropy of two-dimensional nanoplates of vertically grown MoS ₂ . <i>Applied Physics Letters</i> , 2017, 111, .	1.5	8