

Xiuqiang Li

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

35
papers

3,981
citations

22
h-index

36
g-index

36
ext. papers

5,196
ext. citations

16
avg, IF

6.1
L-index

#	Paper	IF	Citations
35	Graphene oxide-based efficient and scalable solar desalination under one sun with a confined 2D water path. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 13953-13958	11.5	724
34	Mushrooms as Efficient Solar Steam-Generation Devices. <i>Advanced Materials</i> , 2017 , 29, 1606762	24	654
33	Flexible and Salt Resistant Janus Absorbers by Electrospinning for Stable and Efficient Solar Desalination. <i>Advanced Energy Materials</i> , 2018 , 8, 1702884	21.8	423
32	Enhancement of Interfacial Solar Vapor Generation by Environmental Energy. <i>Joule</i> , 2018 , 2, 1331-1338	27.8	301
31	Three-dimensional artificial transpiration for efficient solar waste-water treatment. <i>National Science Review</i> , 2018 , 5, 70-77	10.8	275
30	A water lily-inspired hierarchical design for stable and efficient solar evaporation of high-salinity brine. <i>Science Advances</i> , 2019 , 5, eaaw7013	14.3	182
29	Interfacial Solar Steam Generation Enables Fast-Responsive, Energy-Efficient, and Low-Cost Off-Grid Sterilization. <i>Advanced Materials</i> , 2018 , 30, e1805159	24	146
28	The revival of thermal utilization from the Sun: interfacial solar vapor generation. <i>National Science Review</i> , 2019 , 6, 562-578	10.8	134
27	Over 10 kg m ⁻² h ⁻¹ Evaporation Rate Enabled by a 3D Interconnected Porous Carbon Foam. <i>Joule</i> , 2020 , 4, 928-937	27.8	131
26	Measuring Conversion Efficiency of Solar Vapor Generation. <i>Joule</i> , 2019 , 3, 1798-1803	27.8	130
25	Storage and Recycling of Interfacial Solar Steam Enthalpy. <i>Joule</i> , 2018 , 2, 2477-2484	27.8	129
24	An Interfacial Solar-Driven Atmospheric Water Generator Based on a Liquid Sorbent with Simultaneous Adsorption-Desorption. <i>Advanced Materials</i> , 2019 , 31, e1903378	24	80
23	An Interfacial Solar Heating Assisted Liquid Sorbent Atmospheric Water Generator. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 12054-12058	16.4	77
22	Graphene oxide based materials for desalination. <i>Carbon</i> , 2019 , 146, 320-328	10.4	68
21	Minimized lithium trapping by isovalent isomorphism for high initial Coulombic efficiency of silicon anodes. <i>Science Advances</i> , 2019 , 5, eaax0651	14.3	64
20	Integration of daytime radiative cooling and solar heating for year-round energy saving in buildings. <i>Nature Communications</i> , 2020 , 11, 6101	17.4	60
19	Tuning Transpiration by Interfacial Solar Absorber-Leaf Engineering. <i>Advanced Science</i> , 2018 , 5, 1700497	13.6	57

18	Synergistic Tandem Solar Electricity-Water Generators. <i>Joule</i> , 2020 , 4, 347-358	27.8	40
17	Photon-engineered radiative cooling textiles. <i>Science</i> , 2020 , 370, 784-785	33.3	31
16	Subambient daytime radiative cooling textile based on nanoprocessed silk. <i>Nature Nanotechnology</i> , 2021 ,	28.7	28
15	Simultaneous Perforation and Doping of Si Nanoparticles for Lithium-Ion Battery Anode. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 44452-44457	9.5	25
14	Multispectral Thermal Management Designs for Net-Zero Energy Buildings 2020 , 2, 1624-1643		20
13	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	7.8	18
12	An Interfacial Solar Heating Assisted Liquid Sorbent Atmospheric Water Generator. <i>Angewandte Chemie</i> , 2019 , 131, 12182-12186	3.6	14
11	Design and Utilization of Infrared Light for Interfacial Solar Water Purification. <i>ACS Energy Letters</i> , 2021 , 6, 2645-2657	20.1	14
10	A Triple-Mode Midinfrared Modulator for Radiative Heat Management of Objects with Various Emissivity. <i>Nano Letters</i> , 2021 , 21, 4106-4114	11.5	13
9	A scalable fish-school inspired self-assembled particle system for solar-powered water-solute separation. <i>National Science Review</i> , 2021 , 8, nwab065	10.8	10
8	Ethanol Assisted Transfer for Clean Assembly of 2D Building Blocks and Suspended Structures. <i>Advanced Functional Materials</i> , 2019 , 29, 1902427	15.6	8
7	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, 9500-8	1.3	8
6	Metalized polyamide heterostructure as a moisture-responsive actuator for multimodal adaptive personal heat management.. <i>Science Advances</i> , 2021 , 7, eabj7906	14.3	8
5	Anomalous thermal anisotropy of two-dimensional nanoplates of vertically grown MoS ₂ . <i>Applied Physics Letters</i> , 2017 , 111, 163102	3.4	7
4	Influence of temperature and voltage on electrochemical reduction of graphene oxide. <i>Bulletin of Materials Science</i> , 2014 , 37, 629-634	1.7	7
3	Interfacial Solar Steam/Vapor Generation for Heating and Cooling.. <i>Advanced Science</i> , 2022 , e2104181	13.6	7
2	Advances in Solar-Driven Hygroscopic Water Harvesting. <i>Global Challenges</i> , 2021 , 5, 2000085	4.3	7
1	Bio-Inspired Computational Design of Vascularized Electrodes for High-Performance Fast-Charging Batteries Optimized by Deep Learning. <i>Advanced Energy Materials</i> , 2022 , 12, 2103044	21.8	3

