

Chenlin Zhang

List of Publications by Year in Descending Order

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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.

15
papers

661
citations

10
h-index

15
g-index

15
ext. papers

996
ext. citations

15.3
avg, IF

4.31
L-index

#	Paper	IF	Citations
15	Salting-in Effect of Zwitterionic Polymer Hydrogel Facilitates Atmospheric Water Harvesting 2022 , 4, 511-520		8
14	Heat generation and mitigation in silicon solar cells and modules. <i>Joule</i> , 2021 , 5, 631-645	27.8	6
13	Solar Seawater Distillation by Flexible and Fully Passive Multistage Membrane Distillation. <i>Nano Letters</i> , 2021 , 21, 5068-5074	11.5	14
12	Integrated solar-driven PV cooling and seawater desalination with zero liquid discharge. <i>Joule</i> , 2021 , 5, 1873-1887	27.8	17
11	Metal- and halide-free, solid-state polymeric water vapor sorbents for efficient water-sorption-driven cooling and atmospheric water harvesting. <i>Materials Horizons</i> , 2021 , 8, 1518-1527	14.4	18
10	Designing a next generation solar crystallizer for real seawater brine treatment with zero liquid discharge. <i>Nature Communications</i> , 2021 , 12, 998	17.4	42
9	Real-Time Personal Fever Alert Monitoring by Wearable Detector Based on Thermoresponsive Hydrogel. <i>ACS Applied Polymer Materials</i> , 2021 , 3, 1747-1755	4.3	4
8	Hybrid water vapor sorbent design with pollution shielding properties: extracting clean water from polluted bulk water sources. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 14731-14740	13	9
7	An Integrated Photocatalytic and Photothermal Process for Solar-Driven Efficient Purification of Complex Contaminated Water. <i>Energy Technology</i> , 2020 , 8, 2000456	3.5	11
6	Multi-functional 3D honeycomb ceramic plate for clean water production by heterogeneous photo-Fenton reaction and solar-driven water evaporation. <i>Nano Energy</i> , 2019 , 60, 222-230	17.1	88
5	Simultaneous production of fresh water and electricity via multistage solar photovoltaic membrane distillation. <i>Nature Communications</i> , 2019 , 10, 3012	17.4	129
4	Nature-Inspired, 3D Origami Solar Steam Generator toward Near Full Utilization of Solar Energy. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 28517-28524	9.5	150
3	Solar Evaporator with Controlled Salt Precipitation for Zero Liquid Discharge Desalination. <i>Environmental Science & Technology</i> , 2018 , 52, 11822-11830	10.3	136
2	SiC ₃ N ₄ Composite as a Highly Stable and Easily Regenerable Photothermal Material for Practical Water Evaporation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 8192-8200	8.3	27
1	Conversion and storage of solar energy for cooling. <i>Energy and Environmental Science</i> ,	35.4	2