

Yi Lu

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

547
citations

11
h-index

16
g-index

16
ext. papers

1,037
ext. citations

10.7
avg, IF

4.7
L-index

#	Paper	IF	Citations
15	Design and performance boost of a MOF-functionalized-wood solar evaporator through tuning the hydrogen-bonding interactions. <i>Nano Energy</i> , 2022 , 95, 107016	17.1	19
14	Coupling solar-driven photothermal effect into photocatalysis for sustainable water treatment. <i>Journal of Hazardous Materials</i> , 2022 , 423, 127128	12.8	16
13	Surface Patterning of Two-Dimensional Nanostructure-Embedded Photothermal Hydrogels for High-Yield Solar Steam Generation. <i>ACS Nano</i> , 2021 , 15, 10366-10376	16.7	66
12	Dual-Zone Photothermal Evaporator for Antisalt Accumulation and Highly Efficient Solar Steam Generation. <i>Advanced Functional Materials</i> , 2021 , 31, 2102618	15.6	69
11	Visualization of non-uniform soil deformation during triaxial testing. <i>Acta Geotechnica</i> , 2021 , 16, 3439	4.9	0
10	A calibration technique to improve accuracy of the photogrammetry-based deformation measurement method for triaxial testing. <i>Acta Geotechnica</i> , 2021 , 16, 1053-1060	4.9	1
9	Architecting a bifunctional solar evaporator of perovskite La _{0.5} Sr _{0.5} CoO ₃ for solar evaporation and degradation. <i>Journal of Materials Science</i> , 2021 , 56, 18625	4.3	2
8	Synergy of photocatalysis and photothermal effect in integrated 0D perovskite oxide/2D MXene heterostructures for simultaneous water purification and solar steam generation. <i>Applied Catalysis B: Environmental</i> , 2021 , 295, 120285	21.8	45
7	Stackable nickel@cobalt@polydopamine nanosheet based photothermal sponges for highly efficient solar steam generation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 11665-11673	13	91
6	Implementing Hybrid Energy Harvesting in 3D Spherical Evaporator for Solar Steam Generation and Synergic Water Purification. <i>Solar Rrl</i> , 2020 , 4, 2000232	7.1	49
5	Biomass derived Janus solar evaporator for synergic water evaporation and purification. <i>Sustainable Materials and Technologies</i> , 2020 , 25, e00180	5.3	29
4	Anchoring Co ₃ O ₄ nanoparticles on MXene for efficient electrocatalytic oxygen evolution. <i>Science Bulletin</i> , 2020 , 65, 460-466	10.6	70
3	Energy Manipulation in Lanthanide-Doped Core-Shell Nanoparticles for Tunable Dual-Mode Luminescence toward Advanced Anti-Counterfeiting. <i>Advanced Materials</i> , 2020 , 32, e2002121	24	61
2	Turning Trash into Treasure: Pencil Waste-Derived Materials for Solar-Powered Water Evaporation. <i>Energy Technology</i> , 2020 , 8, 2000567	3.5	18
1	Fabrication of doped SmBaCo ₂ O ₅ + δ double perovskites for enhanced solar-driven interfacial evaporation. <i>Ceramics International</i> , 2019 , 45, 24903-24908	5.1	9