

Yi Lu

List of Publications by Year in descending order

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16
papers

1,592
citations

687220

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940416

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docs citations

16
times ranked

1047
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface Patterning of Two-Dimensional Nanostructure-Embedded Photothermal Hydrogels for High-Yield Solar Steam Generation. ACS Nano, 2021, 15, 10366-10376.	7.3	230
2	Dual-Mode Photothermal Evaporator for Antisalt Accumulation and Highly Efficient Solar Steam Generation. Advanced Functional Materials, 2021, 31, 2102618.	7.8	226
3	Stackable nickel-cobalt/polydopamine nanosheet based photothermal sponges for highly efficient solar steam generation. Journal of Materials Chemistry A, 2020, 8, 11665-11673.	5.2	184
4	Energy Manipulation in Lanthanide-Doped Core-Shell Nanoparticles for Tunable Dual-Mode Luminescence toward Advanced Anti-Counterfeiting. Advanced Materials, 2020, 32, e2002121.	11.1	165
5	Synergy of photocatalysis and photothermal effect in integrated 0D perovskite oxide/2D MXene heterostructures for simultaneous water purification and solar steam generation. Applied Catalysis B: Environmental, 2021, 295, 120285.	10.8	162
6	Anchoring Co ₃ O ₄ nanoparticles on MXene for efficient electrocatalytic oxygen evolution. Science Bulletin, 2020, 65, 460-466.	4.3	152
7	Design and performance boost of a MOF-functionalized-wood solar evaporator through tuning the hydrogen-bonding interactions. Nano Energy, 2022, 95, 107016.	8.2	148
8	Coupling solar-driven photothermal effect into photocatalysis for sustainable water treatment. Journal of Hazardous Materials, 2022, 423, 127128.	6.5	106
9	Implementing Hybrid Energy Harvesting in 3D Spherical Evaporator for Solar Steam Generation and Synergic Water Purification. Solar Rrl, 2020, 4, 2000232.	3.1	84
10	Biomass derived Janus solar evaporator for synergic water evaporation and purification. Sustainable Materials and Technologies, 2020, 25, e00180.	1.7	58
11	Turning Trash into Treasure: Pencil Waste-Derived Materials for Solar-Powered Water Evaporation. Energy Technology, 2020, 8, 2000567.	1.8	22
12	Fabrication of doped SmBaCo ₂ O ₅ + δ double perovskites for enhanced solar-driven interfacial evaporation. Ceramics International, 2019, 45, 24903-24908.	2.3	20
13	Integrating a Metal-Organic Framework into Natural Spruce Wood for Efficient Solar-Powered Water Evaporation. Solar Rrl, 2022, 6, .	3.1	13
14	Visualization of non-uniform soil deformation during triaxial testing. Acta Geotechnica, 2021, 16, 3439-3454.	2.9	8
15	A calibration technique to improve accuracy of the photogrammetry-based deformation measurement method for triaxial testing. Acta Geotechnica, 2021, 16, 1053-1060.	2.9	7
16	Architecting a bifunctional solar evaporator of perovskite La _{0.5} Sr _{0.5} CoO ₃ for solar evaporation and degradation. Journal of Materials Science, 2021, 56, 18625-18635.	1.7	7