

# Liangliang Zhu

## 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.

38

papers

3,397

citations

20

h-index

44

g-index

44

ext. papers

4,365

ext. citations

12.6

avg, IF

6.28

L-index

#	Paper	IF	Citations
38	Synergistic Interaction of Ternary NiCoCu Chalcogenides Confined in Nanosheets Array to Advance Supercapacitors and Solar Steam Generation. <i>Solar Rrl</i> , <b>2021</b> , 5, 2100021	7.1	5
37	Self-contained Janus Aerogel with Antifouling and Salt-Rejecting Properties for Stable Solar Evaporation. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 18829-18837	9.5	15
36	Hydrophobic fluorinated colloidal photonic crystals for heterogeneous aggregated cluster encoding and energy-saving applications. <i>Chemical Engineering Journal</i> , <b>2021</b> , 411, 128623	14.7	1
35	Carbon dots promoted photonic crystal for optical information storage and sensing. <i>Chemical Engineering Journal</i> , <b>2021</b> , 415, 128950	14.7	17
34	Robust Nanofiber Films Prepared by Electro-Microfluidic Spinning for Flexible Highly Stable Quantum-Dot Displays. <i>Advanced Electronic Materials</i> , <b>2021</b> , 7, 2000626	6.4	4
33	Armored colloidal photonic crystals for solar evaporation. <i>Nanoscale</i> , <b>2021</b> , 13, 16189-16196	7.7	2
32	Conformal Microfluidic-Blow-Spun 3D Photothermal Catalytic Spherical Evaporator for Omnidirectional Enhanced Solar Steam Generation and CO Reduction. <i>Advanced Science</i> , <b>2021</b> , 8, e2101232	13.6	10
31	Graphene Fiber-Based Wearable Supercapacitors: Recent Advances in Design, Construction, and Application.. <i>Small Methods</i> , <b>2021</b> , 5, e2100502	12.8	9
30	Rapid Fabrication of Patterned Gels via Microchannel-Conformal Frontal Polymerization. <i>Macromolecular Rapid Communications</i> , <b>2021</b> , 42, e2100421	4.8	2
29	Versatile titanium dioxide inverse opal composite photonic hydrogel films towards multi-solvents chip sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 347, 130639	8.5	5
28	Facile synthesis of red dual-emissive carbon dots for ratiometric fluorescence sensing and cellular imaging. <i>Nanoscale</i> , <b>2020</b> , 12, 5494-5500	7.7	20
27	Photothermal Catalytic Gel Featuring Spectral and Thermal Management for Parallel Freshwater and Hydrogen Production. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2000925	21.8	89
26	Shape Conformal and Thermal Insulative Organic Solar Absorber Sponge for Photothermal Water Evaporation and Thermoelectric Power Generation. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900250	21.8	179
25	Solar absorber material and system designs for photothermal water vaporization towards clean water and energy production. <i>Energy and Environmental Science</i> , <b>2019</b> , 12, 841-864	35.4	709
24	Recent progress in solar-driven interfacial water evaporation: Advanced designs and applications. <i>Nano Energy</i> , <b>2019</b> , 57, 507-518	17.1	335
23	Self-Contained Monolithic Carbon Sponges for Solar-Driven Interfacial Water Evaporation Distillation and Electricity Generation. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702149	21.8	312
22	Solar-driven photothermal nanostructured materials designs and prerequisites for evaporation and catalysis applications. <i>Materials Horizons</i> , <b>2018</b> , 5, 323-343	14.4	304

21	Solar Absorber Gel: Localized Macro-Nano Heat Channeling for Efficient Plasmonic Au Nanoflowers Photothermic Vaporization and Triboelectric Generation. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1800711	21.8	176
20	In-built thermo-mechanical cooperative feedback mechanism for self-propelled multimodal locomotion and electricity generation. <i>Nature Communications</i> , <b>2018</b> , 9, 3438	17.4	71
19	Carbon Sponges: Self-Contained Monolithic Carbon Sponges for Solar-Driven Interfacial Water Evaporation Distillation and Electricity Generation (Adv. Energy Mater. 16/2018). <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1870074	21.8	5
18	Hybrid Photothermal Pyroelectric and Thermogalvanic Generator for Multisituation Low Grade Heat Harvesting. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1802397	21.8	62
17	Solar Absorber Gel: Solar Absorber Gel: Localized Macro-Nano Heat Channeling for Efficient Plasmonic Au Nanoflowers Photothermic Vaporization and Triboelectric Generation (Adv. Energy Mater. 25/2018). <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1870114	21.8	4
16	Substrate-Friendly Growth of Large-Sized Ni(OH) Nanosheets for Flexible Electrochromic Films. <i>Small</i> , <b>2017</b> , 13, 1700084	11	30
15	Bifunctional 2D-on-2D MoO <sub>3</sub> nanobelt/Ni(OH) <sub>2</sub> nanosheets for supercapacitor-driven electrochromic energy storage. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 8343-8351	13	81
14	Electrodeposited cobalt phosphide superstructures for solar-driven thermoelectrocatalytic overall water splitting. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 16580-16584	13	37
13	Hierarchical Heterostructure of TiO <sub>2</sub> Nanosheets on CuO Nanowires for Enhanced Photocatalytic Performance. <i>Procedia Engineering</i> , <b>2017</b> , 215, 180-187		2
12	Functionalization of TiO <sub>2</sub> Nanofibers with Ag and Ag <sub>2</sub> S Nanoparticles for Enhanced Photocatalytic Hydrogen Generation. <i>Procedia Engineering</i> , <b>2017</b> , 215, 188-194		4
11	Rational Integration of Inbuilt Aperture with Mesoporous Framework in Unusual Asymmetrical Yolk-Shell Structures for Energy Storage and Conversion. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 32901-32909	9.5	17
10	In situ chemical etching of tunable 3D Ni <sub>3</sub> S <sub>2</sub> superstructures for bifunctional electrocatalysts for overall water splitting. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 13916-13922	13	94
9	Structural design of TiO <sub>2</sub> -based photocatalyst for H <sub>2</sub> production and degradation applications. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 4703-4726	5.5	180
8	Hierarchical Assembly of SnO <sub>2</sub> /ZnO Nanostructures for Enhanced Photocatalytic Performance. <i>Scientific Reports</i> , <b>2015</b> , 5, 11609	4.9	83
7	Fabrication of wheat grain textured TiO <sub>2</sub> /CuO composite nanofibers for enhanced solar H <sub>2</sub> generation and degradation performance. <i>Nano Energy</i> , <b>2015</b> , 11, 28-37	17.1	132
6	Design of a Metal Oxide-Organic Framework (MOF) Foam Microreactor: Solar-Induced Direct Pollutant Degradation and Hydrogen Generation. <i>Advanced Materials</i> , <b>2015</b> , 27, 7713-9	24	80
5	TiO <sub>2</sub> Fibers Supported FeOOH Nanostructures as Efficient Visible Light Photocatalyst and Room Temperature Sensor. <i>Scientific Reports</i> , <b>2015</b> , 5, 10601	4.9	71
4	Microfluidic assembly of uniform fluorescent microbeads from quantum-dot-loaded fluorine-containing microemulsion. <i>Polymer International</i> , <b>2014</b> , 63, 1953-1958	3.3	3

3	Plant leaf-derived fluorescent carbon dots for sensing, patterning and coding. <i>Journal of Materials Chemistry C</i> , <b>2013</b> , 1, 4925	7.1	231
2	Microfluidic-directed assembly of uniform fluorescent supraballs from CdTe nanocrystals-loaded acrylosilane microemulsion. <i>Colloid and Polymer Science</i> , <b>2013</b> , 291, 2147-2154	2.4	1
1	Solar-Initiated Frontal Polymerization of Photothermic Hydrogels with High Swelling Properties for Efficient Water Evaporation. <i>Solar Rrl</i> , 2100917	7.1	1