Yanming Liu

List of Publications by Year
in descending order

15 papers	1,795 citations	777949 13 h-index	1113639 15 g-index
16 all docs	16 docs citations	16 times ranked	2454 citing authors

#	Article	IF	Citations
1	Pyroelectric synthesis of Au/Pt bimetallic nanoparticlesâ€“BaTiO₃ hybrid nanomaterials. RSC Advances, 2020, 10, 22616-22621.	1.7	3
2	Patterned Surfaces for Solar-Driven Interfacial Evaporation. ACS Applied Materials & Interfaces, 2019, 11, 7584-7590.	4.0	49
3	Solar-driven high-temperature steam generation at ambient pressure. Progress in Natural Science: Materials International, 2019, 29, 10-15.	1.8	19
4	Pyroelectric Synthesis of Metalâ€“BaTiO₃ Hybrid Nanoparticles with Enhanced Pyrocatalytic Performance. ACS Sustainable Chemistry and Engineering, 2019, 7, 2602-2609.	3.2	41
5	Crumpled graphene ball-based broadband solar absorbers. Nanoscale, 2018, 10, 6306-6312.	2.8	47
6	Waste heat recovery in an oscillating heat pipe using interfacial electrical double layers. Applied Physics Letters, 2018, 112, .	1.5	13
7	Photothermally Enabled Pyro-Catalysis of a BaTiO₃ Nanoparticle Composite Membrane at the Liquid/Air Interface. ACS Applied Materials & Interfaces, 2018, 10, 21246-21253.	4.0	48
8	Vapor-Enabled Propulsion for Plasmonic Photothermal Motor at the Liquid/Air Interface. Journal of the American Chemical Society, 2017, 139, 12362-12365.	6.6	43
9	Floating rGO-based black membranes for solar driven sterilization. Nanoscale, 2017, 9, 19384-19389.	2.8	92
10	Efficient Solar-Thermal Energy Harvest Driven by Interfacial Plasmonic Heating-Assisted Evaporation. ACS Applied Materials & Interfaces, 2016, 8, 23412-23418.	4.0	144
11	The impact of surface chemistry on the performance of localized solar-driven evaporation system. Scientific Reports, 2015, 5, 13600.	1.6	140
12	A Bioinspired, Reusable, Paperâ€Based System for Highâ€Performance Largeâ€Scale Evaporation. Advanced Materials, 2015, 27, 2768-2774.	11.1	698
13	Evaporation: Bioâ€Inspired Evaporation Through Plasmonic Film of Nanoparticles at the Airâ€“Water Interface (Small 16/2014). Small, 2014, 10, 3233-3233.	5.2	14
14	Bioâ€Inspired Evaporation Through Plasmonic Film of Nanoparticles at the Airâ€“Water Interface. Small, 2014, 10, 3234-3239.	5.2	418
15	Vertical segregation in the self-assembly of nanoparticles at the liquid/air interface. Nanoscale, 2014, 6, 14662-14666.	2.8	25