

Solar steam generation by heat localization

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Flexible thin-film black gold membranes with ultrabroadband plasmonic nanofocusing for efficient solar vapour generation. <i>Nature Communications</i> , 2015, 6, 10103.	5.8	783
3	The impact of surface chemistry on the performance of localized solar-driven evaporation system. <i>Scientific Reports</i> , 2015, 5, 13600.	1.6	140
4	Enhancing Localized Evaporation through Separated Light Absorbing Centers and Scattering Centers. <i>Scientific Reports</i> , 2015, 5, 17276.	1.6	63
5	Multifunctional Porous Graphene for High-Efficiency Steam Generation by Heat Localization. <i>Advanced Materials</i> , 2015, 27, 4302-4307.	11.1	769
6	Hydrophobic Light-to-Heat Conversion Membranes with Self-Healing Ability for Interfacial Solar Heating. <i>Advanced Materials</i> , 2015, 27, 4889-4894.	11.1	821
7	Ultrafast thermal charging of inorganic nano-phase change material composites for solar thermal energy storage. <i>RSC Advances</i> , 2015, 5, 56541-56548.	1.7	39
8	Concentrating nanoparticles in environmental monitoring. <i>Environmental Toxicology and Pharmacology</i> , 2015, 40, 187-190.	2.0	6
9	The effective latent heat of aqueous nanofluids. <i>Materials Research Express</i> , 2015, 2, 065004.	0.8	9
10	A Bioinspired, Reusable, Paper-Based System for High-Performance Large-Scale Evaporation. <i>Advanced Materials</i> , 2015, 27, 2768-2774.	11.1	698
11	Nanoparticle-Mediated, Light-Induced Phase Separations. <i>Nano Letters</i> , 2015, 15, 7880-7885.	4.5	107
12	Solar-thermal conversion and thermal energy storage of graphene foam-based composites. <i>Nanoscale</i> , 2016, 8, 14600-14607.	2.8	179
13	Large-scale cauliflower-shaped hierarchical copper nanostructures for efficient photothermal conversion. <i>Nanoscale</i> , 2016, 8, 14617-14624.	2.8	106
14	A Floating Sheet for Efficient Photocatalytic Water Splitting. <i>Advanced Energy Materials</i> , 2016, 6, 1600510.	10.2	74
15	Enhanced solar evaporation of water from porous media, through capillary mediated forces and surface treatment. <i>AIP Advances</i> , 2016, 6, .	0.6	29
16	Accurate measurement of liquid transport through nanoscale conduits. <i>Scientific Reports</i> , 2016, 6, 24936.	1.6	31
17	Solar steam generator needs no lenses or mirrors. <i>Physics Today</i> , 2016, 69, 17-19.	0.3	0
18	Graphene-based Recyclable Photo-Absorbers for High-Efficiency Seawater Desalination. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9194-9199.	4.0	186
19	3D self-assembly of aluminium nanoparticles for plasmon-enhanced solar desalination. <i>Nature Photonics</i> , 2016, 10, 393-398.	15.6	1,669

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21	Steam generation in a nanoparticle-based solar receiver. <i>Nano Energy</i> , 2016, 28, 397-406.	8.2	240
22	Shape-Controlled Synthesis of High-Quality Cu ₇ S ₄ Nanocrystals for Efficient Light-Induced Water Evaporation. <i>Small</i> , 2016, 12, 5320-5328.	5.2	145
23	Graphene oxide-based efficient and scalable solar desalination under one sun with a confined 2D water path. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 13953-13958.	3.3	971
24	Ultrathin planar broadband absorber through effective medium design. <i>Nano Research</i> , 2016, 9, 2354-2363.	5.8	45
25	Janus Membranes: Exploring Duality for Advanced Separation. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 13398-13407.	7.2	407
26	Bilayered Biofoam for Highly Efficient Solar Steam Generation. <i>Advanced Materials</i> , 2016, 28, 9400-9407.	11.1	457
27	Steam generation under one sun enabled by a floating structure with thermal concentration. <i>Nature Energy</i> , 2016, 1, .	19.8	870
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29	Janus-Membranen: Erforschung ihrer Dualität für hochentwickelte Stofftrennungen. <i>Angewandte Chemie</i> , 2016, 128, 13596-13605.	1.6	13
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32	Active Thermal Extraction and Temperature Sensing of Near-field Thermal Radiation. <i>Scientific Reports</i> , 2016, 6, 32744.	1.6	1
33	Sunlight-Sensitive Anti-Fouling Nanostructured TiO ₂ coated Cu Meshes for Ultrafast Oily Water Treatment. <i>Scientific Reports</i> , 2016, 6, 25414.	1.6	49
34	Bioinspired Multifunctional Paper-Based rGO Composites for Solar-Driven Clean Water Generation. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 14628-14636.	4.0	223
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54	Vertically Aligned Graphene Sheets Membrane for Highly Efficient Solar Thermal Generation of Clean Water. <i>ACS Nano</i> , 2017, 11, 5087-5093.	7.3	871
55	Effects of graphite nanoparticles on nitrification in an activated sludge system. <i>Chemosphere</i> , 2017, 182, 231-237.	4.2	14

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57	Functionalized Graphene Enables Highly Efficient Solar Thermal Steam Generation. <i>ACS Nano</i> , 2017, 11, 5510-5518.	7.3	330
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