

A High-Performance Self-Regenerating Solar Evaporator for Desalination

Advanced Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Nanocellulose-based films and their emerging applications. <i>Current Opinion in Solid State and Materials Science</i> , 2019, 23, 100764.	5.6	109
2	A wood-like polypyrrole composite as a photothermal conversion device for solar evaporation enhancement. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20706-20712.	5.2	189
3	Food-derived carbonaceous materials for solar desalination and thermo-electric power generation. <i>Nano Energy</i> , 2019, 65, 104006.	8.2	149
4	Harnessing Solar-Driven Photothermal Effect toward the Water-Energy Nexus. <i>Advanced Science</i> , 2019, 6, 1900883.	5.6	188
5	Chitosan/reduced graphene oxide-modified spacer fabric as a salt-resistant solar absorber for efficient solar steam generation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18311-18317.	5.2	146
6	Thick Electrode Batteries: Principles, Opportunities, and Challenges. <i>Advanced Energy Materials</i> , 2019, 9, 1901457.	10.2	407
7	Diffusion-determined assembly of all-climate supercapacitors via bioinspired aligned gels. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19753-19760.	5.2	25
8	Flexible and Washable CNT-Embedded PAN Nonwoven Fabrics for Solar-Enabled Evaporation and Desalination of Seawater. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 35005-35014.	4.0	175
9	Advances in solar evaporator materials for freshwater generation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24092-24123.	5.2	190
10	Mushroom-Like rGO/PAM Hybrid Cryogels with Efficient Solar-Heating Water Evaporation. <i>ACS Applied Energy Materials</i> , 2019, 2, 7554-7563.	2.5	52
11	An Interfacial Solar Heating Assisted Liquid Sorbent Atmospheric Water Generator. <i>Angewandte Chemie</i> , 2019, 131, 12182-12186.	1.6	34
12	A Janus evaporator with low tortuosity for long-term solar desalination. <i>Journal of Materials Chemistry A</i> , 2019, 7, 15333-15340.	5.2	170
13	Nature-inspired salt resistant polypyrrole-like wood for highly efficient solar steam generation. <i>Sustainable Energy and Fuels</i> , 2019, 3, 3000-3008.	2.5	100
14	An Interfacial Solar Heating Assisted Liquid Sorbent Atmospheric Water Generator. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12054-12058.	7.2	152
15	A nanopump for low-temperature and efficient solar water evaporation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 24311-24319.	5.2	34
16	Janus Poly(ionic liquid) Monolithic Photothermal Materials with Superior Salt-Rejection for Efficient Solar Steam Generation. <i>ACS Applied Energy Materials</i> , 2019, 2, 8862-8870.	2.5	57
17	Salt-Resistant Carbon Nanotubes/Polyvinyl Alcohol Hybrid Gels with Tunable Water Transport for High-Efficiency and Long-Term Solar Steam Generation. <i>Energy Technology</i> , 2020, 8, 1900721.	1.8	46
18	Tailoring Aerogels and Related 3D Macroporous Monoliths for Interfacial Solar Vapor Generation. <i>Advanced Functional Materials</i> , 2020, 30, 1907234.	7.8	109

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19	Candle soot nanoparticle-decorated wood for efficient solar vapor generation. <i>Sustainable Energy and Fuels</i> , 2020, 4, 354-361.	2.5	30
20	A high-efficiency solar desalination evaporator composite of corn stalk, Mcnts and TiO ₂ : ultra-fast capillary water moisture transportation and porous bio-tissue multi-layer filtration. <i>Journal of Materials Chemistry A</i> , 2020, 8, 349-357.	5.2	151
21	Three-dimensional hierarchical CuxS-based evaporator for high-efficiency multifunctional solar distillation. <i>Nano Energy</i> , 2020, 69, 104465.	8.2	107
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24	Carbonized rice husk foam constructed by surfactant foaming method for solar steam generation. <i>Renewable Energy</i> , 2020, 151, 1067-1075.	4.3	65
25	Seawater Desalination by Interfacial Solar Vapor Generation Method Using Plasmonic Heating Nanocomposites. <i>Micromachines</i> , 2020, 11, 867.	1.4	7
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38	A Flexible Polymer Nanofiber-Gold Nanoparticle Composite Film for Solar-Thermal Seawater Desalination. <i>Macromolecular Rapid Communications</i> , 2020, 41, e2000390.	2.0	12
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