

# Plasmonic Wood for High-Efficiency Solar Steam Generation

Advanced Energy Materials

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Water from Wood: Pouring through Pores. <i>Joule</i> , 2017, 1, 429-430.	11.7	35
2	Plasmonic Graphene Polyurethane Nanocomposites for Efficient Solar Water Desalination. <i>ACS Applied Energy Materials</i> , 2018, 1, 976-985.	2.5	94
3	High Rate Production of Clean Water Based on the Combined Photoâ€Electroâ€Thermal Effect of Graphene Architecture. <i>Advanced Materials</i> , 2018, 30, e1706805.	11.1	214
4	Mesoporous Three-Dimensional Graphene Networks for Highly Efficient Solar Desalination under 1 sun Illumination. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 15602-15608.	4.0	117
5	Emerging investigator series: the rise of nano-enabled photothermal materials for water evaporation and clean water production by sunlight. <i>Environmental Science: Nano</i> , 2018, 5, 1078-1089.	2.2	269
6	Solar-driven photothermal nanostructured materials designs and prerequisites for evaporation and catalysis applications. <i>Materials Horizons</i> , 2018, 5, 323-343.	6.4	513
7	Materials and design of nanostructured broadband light absorbers for advanced light-to-heat conversion. <i>Nanoscale</i> , 2018, 10, 21555-21574.	2.8	111
8	A plasmonic interfacial evaporator for high-efficiency solar vapor generation. <i>Sustainable Energy and Fuels</i> , 2018, 2, 2762-2769.	2.5	53
9	Omnidirectional and effective salt-rejecting absorber with rationally designed nanoarchitecture for efficient and durable solar vapour generation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22976-22986.	5.2	48
10	Wood-Inspired Fabrication of Polyacrylonitrile Solid Foam with Superfast and High Absorption Capacity for Liquid Without Selectivity. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 41871-41877.	4.0	13
11	Synergistic Highâ€Rate Solar Steaming and Mercury Removal with MoS <sub>2</sub> /C @ Polyurethane Composite Sponges. <i>Advanced Energy Materials</i> , 2018, 8, 1802108.	10.2	107
12	Highly Compressible Wood Sponges with a Spring-like Lamellar Structure as Effective and Reusable Oil Absorbents. <i>ACS Nano</i> , 2018, 12, 10365-10373.	7.3	473
13	Solar-driven interfacial evaporation. <i>Nature Energy</i> , 2018, 3, 1031-1041.	19.8	1,347
14	A Microstructured Graphene/Poly( <i>N</i> -isopropylacrylamide) Membrane for Intelligent Solar Water Evaporation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 16343-16347.	7.2	121
15	A Microstructured Graphene/Poly( <i>N</i> -isopropylacrylamide) Membrane for Intelligent Solar Water Evaporation. <i>Angewandte Chemie</i> , 2018, 130, 16581-16585.	1.6	8
16	Highly efficient solar steam generation by hybrid plasmonic structured TiN/mesoporous anodized alumina membrane. <i>Journal of Materials Research</i> , 2018, 33, 3857-3869.	1.2	19
17	Robust aerogels based on conjugated microporous polymer nanotubes with exceptional mechanical strength for efficient solar steam generation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 18183-18190.	5.2	120
18	A general salt-resistant hydrophilic/hydrophobic nanoporous double layer design for efficient and stable solar water evaporation distillation. <i>Materials Horizons</i> , 2018, 5, 1143-1150.	6.4	232

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19	Solar evaporation of a hanging plasmonic droplet. <i>Solar Energy</i> , 2018, 170, 184-191.	2.9	23
20	Dual functional asymmetric plasmonic structures for solar water purification and pollution detection. <i>Nano Energy</i> , 2018, 51, 451-456.	8.2	165
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22	Three-dimensional water evaporation on a macroporous vertically aligned graphene pillar array under one sun. <i>Journal of Materials Chemistry A</i> , 2018, 6, 15303-15309.	5.2	146
23	Silk-based systems for highly efficient photothermal conversion under one sun: portability, flexibility, and durability. <i>Journal of Materials Chemistry A</i> , 2018, 6, 17212-17219.	5.2	120
24	Solar absorber material and system designs for photothermal water vaporization towards clean water and energy production. <i>Energy and Environmental Science</i> , 2019, 12, 841-864.	15.6	1,235
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26	A woodâ€“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
27	Food-derived carbonaceous materials for solar desalination and thermo-electric power generation. <i>Nano Energy</i> , 2019, 65, 104006.	8.2	149
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33	Hierarchical K <sub>2</sub> Mn <sub>4</sub> O <sub>8</sub> nanoflowers: A novel photothermal conversion material for efficient solar vapor generation. <i>Solar Energy Materials and Solar Cells</i> , 2019, 200, 110043.	3.0	18
34	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
35	Simultaneous production of fresh water and electricity via multistage solar photovoltaic membrane distillation. <i>Nature Communications</i> , 2019, 10, 3012.	5.8	233
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37	Biomimetic MXene Textures with Enhanced Light-to-Heat Conversion for Solar Steam Generation and Wearable Thermal Management. <i>Advanced Energy Materials</i> , 2019, 9, 1901687.	10.2	210
38	A Novel Flake-like Cu <sub>7</sub> S <sub>4</sub> Solar Absorber for High-Performance Large-Scale Water Evaporation. <i>ACS Applied Energy Materials</i> , 2019, 2, 5154-5161.	2.5	32
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46	Frequency-region quantitatively adjustable Si perfect absorbers. <i>Applied Physics Express</i> , 2019, 12, 102001.	1.1	1
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48	Thermal Efficiency of Solar Steam Generation Approaching 100% through Capillary Water Transport. <i>Angewandte Chemie</i> , 2019, 131, 19217-19222.	1.6	122
49	Carbonized Tree-Like Furry Magnolia Fruit-Based Evaporator Replicating the Feat of Plant Transpiration. <i>Global Challenges</i> , 2019, 3, 1900040.	1.8	30
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56	Beyond lotus: Plasma nanostructuring enables efficient energy and water conversion and use. <i>Nano Energy</i> , 2019, 66, 104125.	8.2	34
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