

Yanpei Tian

List of Publications by Year in descending order

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26
papers

579
citations

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26
all docs

26
docs citations

26
times ranked

283
citing authors

#	ARTICLE	IF	CITATIONS
1	An efficient and scalable strategy for ultrablack-paint-enabled solar-driven steam generation. Solar Energy Materials and Solar Cells, 2022, 234, 111436.	6.2	14
2	Recyclable and efficient ocean biomass-derived hydrogel photothermal evaporator for thermally-localized solar desalination. Desalination, 2022, 523, 115449.	8.2	45
3	Effective Approximation Method for Nanogratings-induced Near-Field Radiative Heat Transfer. Materials, 2022, 15, 998.	2.9	2
4	Dome-arrayed chitosan/PVA hydrogel-based solar evaporator for steam generation. Scientific Reports, 2022, 12, 4403.	3.3	11
5	Refractory All-Ceramic Thermal Emitter for High-Temperature Near-Field Thermophotovoltaics. Energies, 2022, 15, 1830.	3.1	4
6	Dynamic Tuning of Near-Field Radiative Thermal Rectification. Advanced Engineering Materials, 2021, 23, 2000825.	3.5	17
7	Seawater desalination derived entirely from ocean biomass. Journal of Materials Chemistry A, 2021, 9, 22313-22324.	10.3	48
8	An Easy-to-Fabricate 2.5D Evaporator for Efficient Solar Desalination. Advanced Functional Materials, 2021, 31, 2100911.	14.9	61
9	Electrospun Polycaprolactone Nanofiber Composites with Embedded Carbon Nanotubes/Nanoparticles for Photothermal Absorption. ACS Applied Nano Materials, 2021, 4, 5230-5239.	5.0	18
10	Superhydrophobic and Recyclable Cellulose-Fiber-Based Composites for High-Efficiency Passive Radiative Cooling. ACS Applied Materials & Interfaces, 2021, 13, 22521-22530.	8.0	98
11	Fully Biomass-Based Hybrid Hydrogel for Efficient Solar Desalination with Salt Self-Cleaning Property. ACS Applied Materials & Interfaces, 2021, 13, 42832-42842.	8.0	47
12	Mechanically Induced Elastomeric Optical Transmittance Modulator. ACS Applied Polymer Materials, 2021, 3, 5434-5440.	4.4	2
13	Carbonized cattle manure-based photothermal evaporator with hierarchically bimodal pores for solar desalination in high-salinity brines. Desalination, 2021, 520, 115345.	8.2	22
14	Forest waste to clean water: natural leaf-guar-derived solar desalinators. Nanoscale, 2021, 13, 17754-17764.	5.6	10
15	Environmentally Friendly and Efficient Hornet Nest Envelope-Based Photothermal Absorbers. ACS Omega, 2021, 6, 34555-34562.	3.5	3
16	Blackbody-cavity ideal absorbers for solar energy harvesting. Scientific Reports, 2020, 10, 20304.	3.3	9
17	A Novel Probe-to-Probe Method for Measuring Thermal Conductivity of Individual Electrospun Nanofibers. Materials, 2020, 13, 5220.	2.9	0
18	Continuously variable emission for mechanical deformation induced radiative cooling. Communications Materials, 2020, 1, .	6.9	30

#	ARTICLE	IF	CITATIONS
19	Harvesting energy from sun, outer space, and soil. Scientific Reports, 2020, 10, 20903.	3.3	23
20	Highly effective photon-to-cooling thermal device. Scientific Reports, 2019, 9, 19317.	3.3	15
21	Performance enhancement of near-field thermoradiative devices using hyperbolic metamaterials. Journal of Photonics for Energy, 2019, 9, 1.	1.3	11
22	Dynamic optical response of SU-8 upon UV treatment. Optical Materials Express, 2018, 8, 2017.	3.0	8
23	A Review of Tunable Wavelength Selectivity of Metamaterials in Near-Field and Far-Field Radiative Thermal Transport. Materials, 2018, 11, 862.	2.9	26
24	Strain-induced modulation of near-field radiative transfer. Applied Physics Letters, 2018, 112, 241104.	3.3	28
25	Tunable wavelength selectivity of photonic metamaterials-based thermal devices. Journal of Photonics for Energy, 2018, 9, 1.	1.3	7
26	Mie-Metamaterials-Based Thermal Emitter for Near-Field Thermophotovoltaic Systems. Materials, 2017, 10, 885.	2.9	20