

Yong Jin

List of Publications by Year in descending order

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18
papers

1,907
citations

623574

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839398

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docs citations

18
times ranked

1920
citing authors

#	ARTICLE	IF	CITATIONS
1	A 3D Photothermal Structure toward Improved Energy Efficiency in Solar Steam Generation. <i>Joule</i> , 2018, 2, 1171-1186.	11.7	527
2	Solar Evaporator with Controlled Salt Precipitation for Zero Liquid Discharge Desalination. <i>Environmental Science & Technology</i> , 2018, 52, 11822-11830.	4.6	249
3	Simultaneous production of fresh water and electricity via multistage solar photovoltaic membrane distillation. <i>Nature Communications</i> , 2019, 10, 3012.	5.8	233
4	Nature-Inspired, 3D Origami Solar Steam Generator toward Near Full Utilization of Solar Energy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 28517-28524.	4.0	210
5	A highly flexible and washable nonwoven photothermal cloth for efficient and practical solar steam generation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7942-7949.	5.2	182
6	Solar-assisted fast cleanup of heavy oil spills using a photothermal sponge. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9192-9199.	5.2	151
7	Hollow spherical SiO ₂ micro-container encapsulation of LiCl for high-performance simultaneous heat reallocation and seawater desalination. <i>Journal of Materials Chemistry A</i> , 2020, 8, 1887-1895.	5.2	53
8	A Robust CuCr ₂ O ₄ /SiO ₂ Composite Photothermal Material with Underwater Black Property and Extremely High Thermal Stability for Solar-Driven Water Evaporation. <i>Advanced Sustainable Systems</i> , 2018, 2, 1700145.	2.7	52
9	Controllable antioxidative xylan-chitosan Maillard reaction products used for lipid food storage. <i>Carbohydrate Polymers</i> , 2013, 91, 428-433.	5.1	47
10	SiC-C Composite as a Highly Stable and Easily Regenerable Photothermal Material for Practical Water Evaporation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8192-8200.	3.2	41
11	Synthesis of chitosan-stabilized gold nanoparticles by atmospheric plasma. <i>Carbohydrate Polymers</i> , 2013, 91, 152-156.	5.1	39
12	Atmospheric Water Harvesting: Role of Surface Wettability and Edge Effect. <i>Global Challenges</i> , 2017, 1, 1700019.	1.8	38
13	Investigation of flux stability and fouling mechanism during simultaneous treatment of different produced water streams using forward osmosis and membrane distillation. <i>Water Research</i> , 2021, 198, 117157.	5.3	37
14	Preferential water condensation on superhydrophobic nano-cones array. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	21
15	Biokinetics and metallothionein-like proteins response in oysters facing metal challenges in an estuary. <i>Environmental Toxicology and Chemistry</i> , 2015, 34, 1818-1825.	2.2	11
16	Composite Materials: A Robust CuCr ₂ O ₄ /SiO ₂ Composite Photothermal Material with Underwater Black Property and Extremely High Thermal Stability for Solar-Driven Water Evaporation (<i>Adv. Sustainable Syst.</i> 3/2018). <i>Advanced Sustainable Systems</i> , 2018, 2, 1870026.	2.7	7
17	Tuning substrate geometry for enhancing water condensation. <i>International Journal of Heat and Mass Transfer</i> , 2019, 144, 118627.	2.5	5
18	Salt-solution-infused thin-film condenser for simultaneous anti-frost and solar-assisted atmospheric water harvesting. <i>Cell Reports Physical Science</i> , 2021, 2, 100568.	2.8	4