Gang Wu

List of Publications by Year
in descending order

23	372	759233 12	794594 19
papers	citations	h-index	g-index

23	23	23	204
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Performance study of a passive vertical multiple-effect diffusion solar still directly heated by parabolic concentrator. Renewable Energy, 2022, 182, 855-866.	8.9	15
2	Photovoltaic/spectrum performance analysis of a multifunctional solid spectral splitting covering for passive solar greenhouse roof. Energy Conversion and Management, 2022, 251, 114955.	9.2	21
3	Experimental investigation of full solar spectrum utilization based on nanofluid spectral splitter for greenhouse applications. Energy Conversion and Management, 2022, 254, 115215.	9.2	17
4	Performance research and comparison of integrated passive solar-concentrated stills buried in soil: With/without heat recovery. Energy Conversion and Management, 2022, 256, 115400.	9.2	13
5	Productivity and economy prediction for a solar-powered natural vacuum desalination system via water-filling and air-releasing in Asia. Energy Conversion and Management, 2022, 260, 115570.	9.2	5
6	Evaluation of solar energy transmission and heat-mass transfer in a floating solar concentrated distillation configuration. Sustainable Energy Technologies and Assessments, 2022, 52, 102327.	2.7	2
7	A novel spectral-splitting solar indoor lighting system with reflective direct-absorption cavity: Optical and thermal performance investigating. Energy Conversion and Management, 2022, 266, 115788.	9.2	10
8	Experimental investigation on a floating multi-effect solar still with rising seawater film. Renewable Energy, 2022, 195, 194-202.	8.9	11
9	Study on a passive concentrating photovoltaic-membrane distillation integrated system. Energy Conversion and Management, 2021, 242, 114332.	9.2	17
10	Solar-driven natural vacuum desalination system with inner condenser. Applied Thermal Engineering, 2021, 196, 117320.	6.0	7
11	Study of a compact falling film evaporation/condensation alternate-arrayed desalination system. Energy Conversion and Management, 2021, 244, 114511.	9.2	7
12	Experimental and analytical optical-thermal performance of evacuated cylindrical tube receiver for solar dish collector. Energy, 2021, 234, 121301.	8.8	13
13	Characteristics of a zoomable Fresnel lens (ZFL) used for solar concentration. Energy, 2020, 194, 116698.	8.8	7
14	A CFD analysis on improving lettuce canopy airflow distribution in a plant factory considering the crop resistance and LEDs heat dissipation. Biosystems Engineering, 2020, 200, 1-12.	4.3	29
15	Sustainable Agriculture Irrigation System Using a Novel Solar Still Design With a Compound Parabolic Concentrator Reflector. Journal of Solar Energy Engineering, Transactions of the ASME, 2020, 142, .	1.8	3
16	Performance of seawater-filling type planting system based on solar distillation process: Numerical and experimental investigation. Applied Energy, 2019, 250, 1225-1234.	10.1	7
17	Direct utilization of solar linear Fresnel reflector on multi-effect eccentric horizontal tubular still with falling film. Energy, 2019, 170, 170-184.	8.8	34
18	The mass transfer coefficient assessment and productivity enhancement of a vertical tubular solar brackish water still. Applied Thermal Engineering, 2018, 128, 1446-1455.	6.0	28

#	Article	IF	Citations
19	The study of a novel light concentration and direct heating solar distillation device embedded underground. Desalination, 2018, 447, 102-119.	8.2	21
20	Energy analysis and experimental verification of a solar freshwater self-produced ecological film floating on the sea. Applied Energy, 2018, 224, 510-526.	10.1	36
21	Regenerative solar soil sterilizing system with the Fresnel lens concentrator. Applied Thermal Engineering, 2018, 142, 674-682.	6.0	10
22	Analysis of the characteristics of heat and mass transfer of a three-effect tubular solar still and experimental research. Desalination, 2013, 330, 42-48.	8.2	41
23	Performance analysis and experimental verification of a multi-sleeve tubular still filled with different gas media. Desalination, 2013, 331, 56-61.	8.2	18