

Gamal B Abdelaziz

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8527250/gamal-b-abdelaziz-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

659
citations

12
h-index

25
g-index

34
ext. papers

1,092
ext. citations

6
avg, IF

4.94
L-index

#	Paper	IF	Citations
33	Humidification-dehumidification solar desalination system using porous activated carbon tubes as a humidifier. <i>Renewable Energy</i> , 2022 , 187, 657-670	8.1	3
32	Improving the performance of tubular solar still integrated with drilled carbonized wood and carbon black thin film evaporation. <i>Solar Energy</i> , 2022 , 233, 504-514	6.8	8
31	Development of a centrifugal sprayer-based solar HDH desalination unit with a variety of sprinkler rotational speeds and droplet slot distributions. <i>Renewable Energy</i> , 2022 ,	8.1	2
30	Tubular solar air heater using finned semi-cylindrical absorber plate with swirl flow: Experimental investigation. <i>Solar Energy</i> , 2022 , 236, 879-897	6.8	1
29	Tubular solar stills: Recent developments and future. <i>Solar Energy Materials and Solar Cells</i> , 2022 , 242, 111785	6.4	1
28	Performance prediction of solar still with a high-frequency ultrasound waves atomizer using random vector functional link/heap-based optimizer. <i>Advances in Engineering Software</i> , 2022 , 170, 103142	2.6	0
27	Performance Enhancement of a Double Pass Solar Air Heater by Using Curved Reflector: Experimental Investigation. <i>Applied Thermal Engineering</i> , 2021 , 117867	5.8	3
26	Experimental study of activated carbon as a porous absorber in solar desalination with environmental, exergy, and economic analysis. <i>Chemical Engineering Research and Design</i> , 2021 , 147, 1052-1065	5.5	21
25	A comparative study of hemispherical solar stills with various modifications to obtain modified and inexpensive still models. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 55667-55677	5.1	4
24	Energy saving via Heat Pipe Heat Exchanger in air conditioning applications Experimental study and economic analysis <i>Journal of Building Engineering</i> , 2021 , 35, 102053	5.2	4
23	Prediction of tubular solar still performance by machine learning integrated with Bayesian optimization algorithm. <i>Applied Thermal Engineering</i> , 2021 , 184, 116233	5.8	30
22	Enhancement of solar still performance via wet wick, different aspect ratios, cover cooling, and reflectors. <i>International Journal of Energy and Environmental Engineering</i> , 2021 , 12, 517-530	4	10
21	Performance enhancement of tubular solar still using nano-enhanced energy storage material integrated with v-corrugated aluminum basin, wick, and nanofluid. <i>Journal of Energy Storage</i> , 2021 , 41, 102933	7.8	16
20	Nano-enhanced cooling techniques for photovoltaic panels: A systematic review and prospect recommendations. <i>Solar Energy</i> , 2021 , 227, 259-272	6.8	3
19	Augmented performance of tubular solar still integrated with cost-effective nano-based mushrooms. <i>Solar Energy</i> , 2021 , 228, 27-37	6.8	14
18	A critical review of heating, ventilation, and air conditioning (HVAC) systems within the context of a global SARS-CoV-2 epidemic. <i>Chemical Engineering Research and Design</i> , 2021 , 155, 230-261	5.5	10
17	Solar desalination unit coupled with a novel humidifier. <i>Renewable Energy</i> , 2021 , 180, 297-312	8.1	5

16	Experimental investigation and economic assessment of a solar still performance using high-frequency ultrasound waves atomizer. <i>Journal of Cleaner Production</i> , 2020 , 256, 120609	10.3	26
15	Thermal Performance Analysis of Low-GWP Refrigerants in Automotive Air-Conditioning System. <i>Advances in Materials Science and Engineering</i> , 2020 , 2020, 1-14	1.5	4
14	Rotating-drum solar still with enhanced evaporation and condensation techniques: Comprehensive study. <i>Energy Conversion and Management</i> , 2019 , 199, 112024	10.6	75
13	Augmentation of a pyramid solar still performance using evacuated tubes and nanofluid: Experimental approach. <i>Applied Thermal Engineering</i> , 2019 , 160, 113997	5.8	68
12	Improving performance of tubular solar still by controlling the water depth and cover cooling. <i>Journal of Cleaner Production</i> , 2019 , 233, 848-856	10.3	71
11	Experimental investigation of a solar still with composite material heat storage: Energy, exergy and economic analysis. <i>Journal of Cleaner Production</i> , 2019 , 231, 21-34	10.3	66
10	A new-solar desalination system and heat recovery 2019 ,		1
9	Modified pyramid solar still with v-corrugated absorber plate and PCM as a thermal storage medium. <i>Journal of Cleaner Production</i> , 2017 , 161, 881-887	10.3	103
8	Thermal performance of a diffusion absorption refrigeration system driven by waste heat from diesel engine exhaust gases. <i>Applied Thermal Engineering</i> , 2017 , 114, 621-630	5.8	35
7	Performance Enhancement of Shell and Helical Coil Water Coolers Using Different Geometric and Fins Conditions. <i>Heat Transfer - Asian Research</i> , 2016 , 45, 631-647	2.8	9
6	Performance characteristics of wet air-conditioning cooling coils with different fin patterns. <i>Science and Technology for the Built Environment</i> , 2015 , 21, 126-136	1.8	3
5	Solar desalination system using spray evaporation. <i>Energy</i> , 2014 , 76, 276-283	7.9	47
4	Hybrid solar desalination systems review. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 1-31	1.6	2
3	Experimental investigation of a hybrid setup for distilled water and power production 162, 30-36		8
2	Design of a low cost parabolic concentrator solar tracking system: Tubular solar still application. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 1-17	2.3	5
1	Experimental investigation of heat transfer by forced convection from three dimensional suspended bodies subjected to free air stream. <i>Experimental Heat Transfer</i> , 1-22	2.4	