

Gamal B Abdelaziz

List of Publications by Citations

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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	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
32	Rotating-drum solar still with enhanced evaporation and condensation techniques: Comprehensive study. <i>Energy Conversion and Management</i> , 2019 , 199, 112024	10.6	75
31	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
30	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
29	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
28	Solar desalination system using spray evaporation. <i>Energy</i> , 2014 , 76, 276-283	7.9	47
27	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
26	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
25	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
24	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
23	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
22	Augmented performance of tubular solar still integrated with cost-effective nano-based mushrooms. <i>Solar Energy</i> , 2021 , 228, 27-37	6.8	14
21	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
20	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
19	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
18	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
17	Experimental investigation of a hybrid setup for distilled water and power production 162, 30-36		8

16	Solar desalination unit coupled with a novel humidifier. <i>Renewable Energy</i> , 2021 , 180, 297-312	8.1	5
15	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
14	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
13	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
12	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
11	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
10	Humidification-dehumidification solar desalination system using porous activated carbon tubes as a humidifier. <i>Renewable Energy</i> , 2022 , 187, 657-670	8.1	3
9	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
8	Nano-enhanced cooling techniques for photovoltaic panels: A systematic review and prospect recommendations. <i>Solar Energy</i> , 2021 , 227, 259-272	6.8	3
7	Hybrid solar desalination systems review. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 1-31	1.6	2
6	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
5	A new-solar desalination system and heat recovery 2019 ,		1
4	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
3	Tubular solar stills: Recent developments and future. <i>Solar Energy Materials and Solar Cells</i> , 2022 , 242, 111785	6.4	1
2	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	3.6	0
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	