

S A El-Agouz

List of Publications by Year in descending order

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44
papers

2,445
citations

201385

27
h-index

276539

41
g-index

44
all docs

44
docs citations

44
times ranked

1476
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimizing the performance of hemispheric solar still using nano-ZnO with cooling the glassy cover at a variable water flow rate. Applied Nanoscience (Switzerland), 2021, 11, 2727-2738.	1.6	3
2	Comparative analysis on freshwater yield from conventional basin-type single slope solar still with cement-coated red bricks: an experimental approach. Environmental Science and Pollution Research, 2020, 27, 32218-32228.	2.7	45
3	Experimental studies on inclined PV panel solar still with cover cooling and PCM. Journal of Thermal Analysis and Calorimetry, 2019, 138, 3987-3995.	2.0	39
4	Performance analysis of spiral and serpentine tube solar collector with carbon nanotube nanofluids under natural flow method. Heat Transfer - Asian Research, 2019, 48, 2428-2439.	2.8	6
5	Annual performance analysis of adding different nanofluids in stepped solar still. Journal of Thermal Analysis and Calorimetry, 2019, 138, 3175-3182.	2.0	63
6	Experimental investigation on the effect of photovoltaic panel partially and fully submerged in water. Heat Transfer - Asian Research, 2019, 48, 1709-1721.	2.8	13
7	Experimental investigation on the effect of MgO and TiO ₂ nanoparticles in stepped solar still. International Journal of Energy Research, 2019, 43, 3295-3305.	2.2	62
8	Experimental analysis and exergy efficiency of a conventional solar still with Fresnel lens and energy storage material. Heat Transfer - Asian Research, 2019, 48, 885-895.	2.8	19
9	A Review on Different Design Modifications Employed in Inclined Solar Still for Enhancing the Productivity. Journal of Solar Energy Engineering, Transactions of the ASME, 2019, 141, .	1.1	66
10	Economic and exergy investigation of triangular pyramid solar still integrated to inclined solar still with baffles. International Journal of Ambient Energy, 2019, 40, 571-576.	1.4	46
11	ENHANCING THE THERMAL PERFORMANCE OF A MICRO FINNED TUBE WITH TiO ₂ WATER NANOFUIDS USING TWISTED TAPE INSERTS. Heat Transfer Research, 2019, 50, 851-863.	0.9	3
12	Integrated PV/T solar still- A mini-review. Desalination, 2018, 435, 259-267.	4.0	82
13	Improvement of humidification-dehumidification desalination unit using a desiccant wheel. Chemical Engineering Research and Design, 2018, 131, 104-116.	2.7	36
14	Experimental study on the thermal performance and heat transfer characteristics of solar parabolic trough collector using Al ₂ O ₃ nanofluids. Environmental Progress and Sustainable Energy, 2018, 37, 1149-1159.	1.3	52
15	Theoretical Analysis of Continuous Heat Extraction from Absorber of Solar Still for Improving the Productivity. Periodica Polytechnica, Mechanical Engineering, 2018, 62, 187-195.	0.8	12
16	Performance of the one-ended evacuated tubes as medium temperature solar air heaters at low flow rates. Sustainable Energy Technologies and Assessments, 2018, 30, 174-182.	1.7	29
17	Augmenting the productivity of solar still using jute cloth knitted with sand heat energy storage. Desalination, 2018, 443, 122-129.	4.0	96
18	Effect of forced cover cooling technique on a triangular pyramid solar still. International Journal of Ambient Energy, 2017, 38, 597-604.	1.4	15

#	ARTICLE	IF	CITATIONS
19	A theoretical study of Cu-H ₂ O nano-fluid effect on heat transfer enhancement of a solar water heater. <i>International Journal of Ambient Energy</i> , 2017, 38, 286-294.	1.4	3
20	A Review of integrating solar collectors to solar still. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 77, 1069-1097.	8.2	145
21	Analysis of an inclined solar still with baffles for improving the yield of fresh water. <i>Chemical Engineering Research and Design</i> , 2017, 105, 326-337.	2.7	53
22	Enhancing performance of low-temperature desalination using spray evaporation. , 2017, 94, 1-10.		2
23	Improving the yield of fresh water in conventional solar still using low cost energy storage material. <i>Energy Conversion and Management</i> , 2016, 112, 125-134.	4.4	151
24	Experimental study of silica gel/water adsorption cooling system using a modified adsorption bed. <i>Science and Technology for the Built Environment</i> , 2016, 22, 41-49.	0.8	5
25	Experimental Investigations on Conventional Solar Still with Sand Heat Energy Storage. <i>International Journal of Heat and Technology</i> , 2016, 34, 597-603.	0.3	21
26	Solar water desalination using an air bubble column humidifier. <i>Desalination</i> , 2015, 372, 7-16.	4.0	70
27	Performance evaluation of a continuous flow inclined solar still desalination system. <i>Energy Conversion and Management</i> , 2015, 101, 606-615.	4.4	81
28	Experimental analysis of a portable solar still with evaporation and condensation chambers. <i>Desalination</i> , 2015, 367, 180-185.	4.0	77
29	Experimental investigation on a semi-circular trough-absorber solar still with baffles for fresh water production. <i>Energy Conversion and Management</i> , 2015, 97, 235-242.	4.4	79
30	Thermal Analysis of a Novel Integrated Air Conditioning System with Geothermal Energy. <i>Journal of Energy Engineering - ASCE</i> , 2015, 141, 04014030.	1.0	4
31	A Review of Different Solar Still for Augmenting Fresh Water Yield. <i>Journal of Environmental Science and Technology</i> , 2015, 8, 244-265.	0.3	25
32	Solar desalination system using spray evaporation. <i>Energy</i> , 2014, 76, 276-283.	4.5	61
33	Performance of desiccant air conditioning system with geothermal energy under different climatic conditions. <i>Energy Conversion and Management</i> , 2014, 88, 464-475.	4.4	48
34	Experimental investigation of stepped solar still with continuous water circulation. <i>Energy Conversion and Management</i> , 2014, 86, 186-193.	4.4	97
35	Enhancement of solar still performance using a reciprocating spray feeding system—An experimental approach. <i>Desalination</i> , 2011, 267, 209-216.	4.0	27
36	Review of researches and developments on solar stills. <i>Desalination</i> , 2011, 276, 1-12.	4.0	323

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37	Desalination based on humidificationâ€“dehumidification by air bubbles passing through brackish water. Chemical Engineering Journal, 2010, 165, 413-419.	6.6	35
38	Augmentation of solar still performance using flash evaporation. Desalination, 2010, 257, 58-65.	4.0	37
39	Cost analysis of different solar still configurations. Energy, 2010, 35, 2901-2908.	4.5	235
40	A new process of desalination by air passing through seawater based on humidificationâ€“dehumidification process. Energy, 2010, 35, 5108-5114.	4.5	71
41	The effect of internal heat source and opening locations on environmental natural ventilation. Energy and Buildings, 2008, 40, 409-418.	3.1	13
42	Experimental analysis of humidification process by air passing through seawater. Energy Conversion and Management, 2008, 49, 3698-3703.	4.4	59
43	Experimental investigation on the effect of sensible heat energy storage in an inclined solar still with baffles. , 0, 116, 49-56.		22
44	Experimental investigation of a hybrid setup for distilled water and power production. , 0, 162, 30-36.		14