

Abd Elnaby Kabeel

List of Publications by Year in descending order

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271
papers

16,207
citations

10650

74
h-index

27587

110
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278
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278
times ranked

4529
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental investigation of heat transfer by forced convection from three dimensional suspended bodies subjected to free air stream. <i>Experimental Heat Transfer</i> , 2023, 36, 735-756.	2.3	0
2	The influences of loading ratios and conveying velocity on gas-solid two phase flow characteristics: a comprehensive experimental CFD-DEM study. <i>International Journal of Ambient Energy</i> , 2022, 43, 2714-2726.	1.4	8
3	Experimentally evaluation of split air conditioner integrated with humidification-dehumidification desalination unit for better thermal comfort, produce freshwater, and energy saving. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 4197-4207.	2.0	5
4	Exergy and energy analysis of a tubular solar still with and without fins: a comparative theoretical and experimental approach. <i>Environmental Science and Pollution Research</i> , 2022, 29, 6612-6621.	2.7	15
5	Experimental studies on natural convection open and closed solar drying using external reflector. <i>Environmental Science and Pollution Research</i> , 2022, 29, 1391-1400.	2.7	7
6	Combined effects of composite thermal energy storage and magnetic field to enhance productivity in solar desalination. <i>Renewable Energy</i> , 2022, 181, 219-234.	4.3	17
7	Optimization of thermal efficiency on solar parabolic collectors using phase change materials "experimental and numerical study. <i>Environmental Science and Pollution Research</i> , 2022, 29, 14719-14732.	2.7	3
8	Experimental investigation of an active inclined solar panel absorber solar still "energy and exergy analysis. <i>Environmental Science and Pollution Research</i> , 2022, 29, 14005-14018.	2.7	12
9	Experimental study on improving the yield of hemispherical distillers using CuO nanoparticles and cooling the glass cover. <i>Solar Energy Materials and Solar Cells</i> , 2022, 235, 111482.	3.0	28
10	Performance assessment of conventional solar desalination system in Northern part of Gujarat. <i>Environmental Science and Pollution Research</i> , 2022, 29, 24155-24166.	2.7	6
11	Finest concentration of phosphate grains as energy storage medium to improve hemispherical solar distillate: An experimental study. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 5573-5583.	3.4	23
12	Enhancing the hemispherical solar distiller performance using internal reflectors and El Oued sand grains as energy storage mediums. <i>Environmental Science and Pollution Research</i> , 2022, 29, 21451-21464.	2.7	9
13	Performance improvement of modified stepped solar distillers using three effective hybrid optimization modifications. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 51, 101936.	1.7	9
14	Optimization of the hemispherical solar distiller performance assisted by high thermal conductivity metal trays incorporated with reflective mirrors. <i>Environmental Science and Pollution Research</i> , 2022, 29, 38248-38257.	2.7	11
15	Technically and economically optimal water flow rate glass film cooling for hemispherical drinking water distillers. <i>International Journal of Environmental Science and Technology</i> , 2022, 19, 11435-11446.	1.8	6
16	A review on diverse combinations and Energy-Exergy-Economics (3E) of hybrid solar still desalination. <i>Desalination</i> , 2022, 527, 115587.	4.0	24
17	Improving the thermo-economic performance of hemispherical solar distiller using copper oxide nanofluids and phase change materials: Experimental and theoretical investigation. <i>Solar Energy Materials and Solar Cells</i> , 2022, 238, 111596.	3.0	53
18	Analysis of a solar still with photovoltaic modules and electrical heater - Energy and exergy approach. <i>Environmental Science and Pollution Research</i> , 2022, 29, 57453-57465.	2.7	5

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19	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> , 2022, 144, .	1.1	16
20	Performance enhancement of a v-corrugated basin hemispherical solar distiller combined with reversed solar collector: An experimental approach. <i>Renewable Energy</i> , 2022, 190, 330-337.	4.3	25
21	An extensive review of performance enhancement techniques for pyramid solar still for solar thermal applications. <i>Desalination</i> , 2022, 532, 115692.	4.0	26
22	A thermodynamic review on solar stills. <i>Solar Energy</i> , 2022, 237, 377-413.	2.9	45
23	Optimal configurations of hemispherical solar distillers using the higher conductivity extended hollow cylindrical fins filled with latent heat storage materials. <i>Journal of Energy Storage</i> , 2022, 50, 104706.	3.9	14
24	Performance assessment of the hemispherical solar distillers with the extended cylindrical iron fins: An experimental investigation. <i>AEJ - Alexandria Engineering Journal</i> , 2022, 61, 11149-11157.	3.4	17
25	A new trapezoidal pyramid solar still design with multi thermal enhancers. <i>Applied Thermal Engineering</i> , 2022, 213, 118699.	3.0	32
26	Performance optimization of the hybrid $\langle \text{HDH} \rangle$ desalination system powered by photovoltaic thermal modules using solar dish concentrators. <i>International Journal of Energy Research</i> , 2022, 46, 14946-14963.	2.2	6
27	Improving the performance of a modified hemispherical solar distiller using a double-faces absorbing solar thermal receiver integrated with a solar concentrator. <i>Solar Energy</i> , 2022, 241, 335-342.	2.9	15
28	Thermo-economic performance enhancement of a solar desalination unit using external condenser, nanofluid, and ultrasonic foggers. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102348.	1.7	8
29	Improved freshwater generation via hemispherical solar desalination unit using paraffin wax as phase change material encapsulated in waste aluminium cans. <i>Desalination</i> , 2022, 538, 115907.	4.0	16
30	Experimental investigation on a modified design of hemispherical solar distiller with v-corrugated iron trays and wick materials for improving freshwater production. <i>Environmental Science and Pollution Research</i> , 2022, 29, 83756-83769.	2.7	15
31	Experimental investigation of a stepped solar still employing a phase change material, a conical tank, and a solar dish. <i>International Journal of Energy Research</i> , 2022, 46, 16762-16776.	2.2	4
32	Performance evaluation of a modified pyramid solar still employing wick, reflectors, glass cooling and TiO ₂ nanomaterial. <i>Desalination</i> , 2022, 539, 115939.	4.0	36
33	Performance evaluation of continuous solar still water desalination system. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 144, 907-916.	2.0	23
34	Sustainable potable water production from conventional solar still during the winter season at Algerian dry areas: energy and exergy analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021, 145, 1215-1225.	2.0	37
35	A comprehensive review of technologies used to improve the performance of PV systems in a view of cooling mediums, reflectors design, spectrum splitting, and economic analysis. <i>Environmental Science and Pollution Research</i> , 2021, 28, 7955-7980.	2.7	18
36	Experimental investigation on cooling the photovoltaic panel using hybrid nanofluids. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 363-374.	1.6	62

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37	Prediction of tubular solar still performance by machine learning integrated with Bayesian optimization algorithm. <i>Applied Thermal Engineering</i> , 2021, 184, 116233.	3.0	77
38	A novel reduced graphene oxide based absorber for augmenting the water yield and thermal performance of solar desalination unit. <i>Materials Letters</i> , 2021, 286, 128867.	1.3	45
39	Productivity enhancement of traditional solar still by using sandbags of El Oued, Algeria. <i>Heat Transfer</i> , 2021, 50, 768-783.	1.7	23
40	Performance amelioration of single basin solar still integrated with V- type concentrator: Energy, exergy, and economic analysis. <i>Environmental Science and Pollution Research</i> , 2021, 28, 3406-3420.	2.7	46
41	Phosphate bed as energy storage materials for augmentation of conventional solar still productivity. <i>Environmental Progress and Sustainable Energy</i> , 2021, 40, e13581.	1.3	39
42	Increasing the freshwater productivity of a solar still loaded with CuO nanofluids using vibration motion and cover cooling techniques. <i>International Journal of Energy Research</i> , 2021, 45, 9099-9115.	2.2	10
43	Phosphate bags as energy storage materials for enhancement of solar still performance. <i>Environmental Science and Pollution Research</i> , 2021, 28, 21540-21552.	2.7	37
44	Enhancement of the performance of hemispherical distiller via phosphate pellets as energy storage medium. <i>Environmental Science and Pollution Research</i> , 2021, 28, 32386-32395.	2.7	18
45	Productivity enhancement of hemispherical solar still using Al_2O_3 -water-based nanofluid and cooling the glass cover. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 1127-1139.	1.6	37
46	Performance improvement of a tubular solar still using V-corrugated absorber with wick materials: Numerical and experimental investigations. <i>Solar Energy</i> , 2021, 217, 187-199.	2.9	59
47	Enhancement of hemispherical solar still productivity using iron, zinc and copper trays. <i>Solar Energy</i> , 2021, 216, 295-302.	2.9	98
48	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.	2.7	62
49	Effect of fins and silicon dioxide nanoparticle black paint on the absorber plate for augmenting yield from tubular solar still. <i>Environmental Science and Pollution Research</i> , 2021, 28, 35102-35112.	2.7	60
50	A comparative energy and exergy efficiency study of hemispherical and single-slope solar stills. <i>Environmental Science and Pollution Research</i> , 2021, 28, 35649-35659.	2.7	34
51	An experimental investigation of a water desalination unit using different microparticle-coated absorber plate: yield, thermal, economic, and environmental assessments. <i>Environmental Science and Pollution Research</i> , 2021, 28, 37371-37386.	2.7	26
52	Optimal concentration of El Oued sand grains as energy storage materials for enhancement of hemispherical distillers performance. <i>Journal of Energy Storage</i> , 2021, 36, 102415.	3.9	33
53	Comparative study of hemispherical solar distillers iron-fins. <i>Journal of Cleaner Production</i> , 2021, 292, 126071.	4.6	30
54	Experimental study on the performance of trays solar still with cracks and reflectors. <i>Applied Thermal Engineering</i> , 2021, 188, 116652.	3.0	69

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55	Recent advancements, technologies, and developments in inclined solar stills—a comprehensive review. <i>Environmental Science and Pollution Research</i> , 2021, 28, 35346-35375.	2.7	34
56	Experimental study of hybrid solar humidification dehumidification system for extremely saline water desalination. <i>Energy Conversion and Management</i> , 2021, 235, 114021.	4.4	31
57	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.	2.7	27
58	Improvement of the thermal properties of paraffin wax using high conductive nanomaterial to appropriate the solar thermal applications. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 2033-2042.	1.6	11
59	Augmenting the productivity of stepped distiller by corrugated and curved liners, CuO/paraffin wax, wick, and vapor suctioning. <i>Environmental Science and Pollution Research</i> , 2021, 28, 56955-56965.	2.7	54
60	A relative study on energy and exergy analysis between conventional single slope and novel stepped absorbable plate solar stills. <i>Environmental Science and Pollution Research</i> , 2021, 28, 57602-57618.	2.7	11
61	Improving the tubular solar still performance using square and circular hollow fins with phase change materials. <i>Journal of Energy Storage</i> , 2021, 38, 102564.	3.9	92
62	Performance analysis of a modified solar still using reduced graphene oxide coated absorber plate with activated carbon pellet. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 45, 101046.	1.7	38
63	Performance assessment of solar PV-driven hybrid HDH-RO desalination system integrated with energy recovery units and solar collectors: Theoretical approach. <i>Energy Conversion and Management</i> , 2021, 239, 114215.	4.4	69
64	Infrared thermography-based condition monitoring of solar photovoltaic systems: A mini review of recent advances. <i>Solar Energy</i> , 2021, 223, 33-43.	2.9	38
65	Secondary transmission of SARS-CoV-2 through wastewater: Concerns and tactics for treatment to effectively control the pandemic. <i>Journal of Environmental Management</i> , 2021, 290, 112668.	3.8	36
66	Improved thermo-economic performance of solar desalination via copper chips, nanofluid, and nano-based phase change material. <i>Solar Energy</i> , 2021, 224, 1313-1325.	2.9	69
67	Potential and challenges of improving solar still by micro/nano-particles and porous materials - A review. <i>Journal of Cleaner Production</i> , 2021, 311, 127432.	4.6	65
68	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.	3.9	69
69	A comparative study of the effect of internal reflectors on a performance of hemispherical solar distillers: Energy, exergy, and economic analysis. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 47, 101465.	1.7	15
70	A compact flat solar still with high performance. <i>International Journal of Heat and Mass Transfer</i> , 2021, 179, 121657.	2.5	34
71	Optimal size of black gravel as energy storage materials for performance improvement of hemispherical distillers. <i>Journal of Energy Storage</i> , 2021, 43, 103196.	3.9	26
72	Thermal investigation of a solar box-type cooker with nanocomposite phase change materials using flexible thermography. <i>Renewable Energy</i> , 2021, 178, 260-282.	4.3	39

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73	Sea-water desalination using a desalting unit integrated with a parabolic trough collector and activated carbon pellets as energy storage medium. <i>Desalination</i> , 2021, 516, 115217.	4.0	46
74	Performance improvement of pyramid solar distillers using a novel combination of absorber surface coated with CuO nano black paint, reflective mirrors, and PCM with pin fins. <i>Renewable Energy</i> , 2021, 180, 494-501.	4.3	18
75	Improvement of Solar Distiller Productivity by a Black Metallic Plate of Zinc as a Thermal Storage Material. <i>Journal of Testing and Evaluation</i> , 2021, 49, 20190119.	0.4	16
76	Performance Evaluation of Modified Solar Still Using Aluminum Foil Sheet as Absorber Cover – A Comparative Study. <i>Journal of Testing and Evaluation</i> , 2021, 49, 3565-3576.	0.4	11
77	Optimizing the performance of hemispheric solar still using nano-ZnO with cooling the glassy cover at a variable water flow rate. <i>Applied Nanoscience (Switzerland)</i> , 2021, 11, 2727-2738.	1.6	3
78	Enhancement of potable water production from an inclined photovoltaic panel absorber solar still by integrating with flat-plate collector. <i>Environment, Development and Sustainability</i> , 2020, 22, 4145-4167.	2.7	47
79	Improving the performance of stepped solar still using a graphite and PCM as hybrid store materials with internal reflectors coupled with evacuated tube solar collector. <i>Heat and Mass Transfer</i> , 2020, 56, 891-899.	1.2	23
80	Enhancement of PV/T-integrated single slope solar desalination still productivity using water film cooling and hybrid composite insulation. <i>Environmental Science and Pollution Research</i> , 2020, 27, 32179-32190.	2.7	48
81	Enhancement of pyramid-shaped solar stills performance using a high thermal conductivity absorber plate and cooling the glass cover. <i>Renewable Energy</i> , 2020, 146, 769-775.	4.3	89
82	Experimental studies on passive inclined solar panel absorber solar still. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 3649-3660.	2.0	33
83	A comprehensive review of tubular solar still designs, performance, and economic analysis. <i>Journal of Cleaner Production</i> , 2020, 246, 119030.	4.6	85
84	Improvising the efficiency of single-sloped solar still using thermally conductive nano-ferric oxide. <i>Environmental Science and Pollution Research</i> , 2020, 27, 32191-32204.	2.7	65
85	Performance enhancement of a tubular solar still by utilizing wire mesh packing under harmonic motion. <i>Desalination</i> , 2020, 474, 114165.	4.0	72
86	High efficient solar evaporation by airing multifunctional textile. <i>International Journal of Heat and Mass Transfer</i> , 2020, 147, 118866.	2.5	58
87	Comparative analysis on freshwater yield from conventional basin-type single slope solar still with cement-coated red bricks: an experimental approach. <i>Environmental Science and Pollution Research</i> , 2020, 27, 32218-32228.	2.7	45
88	Experimental investigation on the influences of acetone organic compound additives into the diesel/biodiesel mixture in CI engine. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 37, 100614.	1.7	31
89	Effect of water depth and insulation on the productivity of an acrylic pyramid solar still – An experimental study. <i>Groundwater for Sustainable Development</i> , 2020, 10, 100319.	2.3	54
90	Sand dunes effect on the productivity of a single slope solar distiller. <i>Heat and Mass Transfer</i> , 2020, 56, 1117-1126.	1.2	19

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91	Investigation on heat transfer enhancement of conventional and staggered fin solar air heater coated with CNT-black paintâ€”an experimental approach. Environmental Science and Pollution Research, 2020, 27, 32251-32269.	2.7	8
92	Augmentation of diurnal and nocturnal distillate of modified tubular solar still having copper tubes filled with PCM in the basin. Journal of Energy Storage, 2020, 32, 101992.	3.9	63
93	Sensible desalting: Investigation of sensible thermal storage materials in solar stills. Journal of Energy Storage, 2020, 32, 101824.	3.9	25
94	Extraction of drinking water from modified inclined solar still incorporated with spiral tube solar water heater. Journal of Water Process Engineering, 2020, 38, 101613.	2.6	42
95	A comparative study of 3E (energy, exergy, and economy) analysis of various solar stills. Heat Transfer, 2020, 49, 4394-4409.	1.7	15
96	On the different packing materials of humidificationâ€”dehumidification thermal desalination techniques â€” A review. Journal of Cleaner Production, 2020, 277, 123468.	4.6	51
97	Wall-suspended trays inside stepped distiller with Al ₂ O ₃ /paraffin wax mixture and vapor suction: Experimental implementation. Journal of Energy Storage, 2020, 32, 102008.	3.9	80
98	Augmenting the potable water produced from single slope solar still using CNT-doped paraffin wax as energy storage: an experimental approach. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	0.8	34
99	Year around distilled water production, energy, and economic analysis of solar stillsâ€”A comparative study. Heat Transfer, 2020, 49, 3651-3662.	1.7	17
100	Characterization of silica gel-based composites for adsorption cooling applications. International Journal of Refrigeration, 2020, 118, 345-353.	1.8	28
101	Experimental study on single slope single basin solar still using TiO ₂ nano layer for natural clean water invention. Journal of Energy Storage, 2020, 30, 101522.	3.9	87
102	An artificial neural network based approach for prediction the thermal conductivity of nanofluids. SN Applied Sciences, 2020, 2, 1.	1.5	22
103	Performance of the novel design thermoelectric cooling system. Heat Transfer, 2020, 49, 4134-4152.	1.7	3
104	Performance enhancement of pyramid-shaped solar stills using hollow circular fins and phase change materials. Journal of Energy Storage, 2020, 31, 101610.	3.9	105
105	Experimental investigation of single pass solar air heater with reflectors and turbulators. AEJ - Alexandria Engineering Journal, 2020, 59, 579-587.	3.4	63
106	Effect of mass flow rate on fresh water improvement from inclined PV panel basin solar still. Materials Today: Proceedings, 2020, 32, 374-378.	0.9	20
107	Effect of continuous and discrete makeup water on the productivity of conventional solar still. Journal of Energy Storage, 2020, 28, 101223.	3.9	17
108	Enhancement of the productivity for single solar still with ultrasonic humidifier combined with evacuated solar collector: An experimental study. Energy Conversion and Management, 2020, 208, 112592.	4.4	56

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109	Experimental study on tubular solar still using Graphene Oxide Nano particles in Phase Change Material (NPCM's) for fresh water production. Journal of Energy Storage, 2020, 28, 101204.	3.9	185
110	Augmentation of a developed tubular solar still productivity using hybrid storage medium and CPC: An experimental approach. Journal of Energy Storage, 2020, 28, 101203.	3.9	64
111	Improving the performance of solar still using different heat localization materials. Environmental Science and Pollution Research, 2020, 27, 12332-12344.	2.7	77
112	Use of solar photovoltaic with active solar still to improve distillate output: A review. Groundwater for Sustainable Development, 2020, 10, 100341.	2.3	56
113	Extracting water content from the ambient air in a double-slope half-cylindrical basin solar still using silica gel under Egyptian conditions. Sustainable Energy Technologies and Assessments, 2020, 39, 100712.	1.7	52
114	Performance of the modified tubular solar still integrated with cylindrical parabolic concentrators. Solar Energy, 2020, 204, 181-189.	2.9	61
115	Experimental study on enhancing the yield from stepped solar still coated using fumed silica nanoparticle in black paint. Materials Letters, 2020, 272, 127873.	1.3	88
116	Thermal performance improvement of the modified evacuated U-tube solar collector using hybrid storage materials and low-cost concentrators. Journal of Energy Storage, 2020, 29, 101394.	3.9	16
117	Improving the performance of solar powered membrane distillation systems using the thermal energy storage mediums and the evaporative cooler. Renewable Energy, 2020, 157, 1046-1052.	4.3	19
118	Effect of graphite mass concentrations in a mixture of graphite nanoparticles and paraffin wax as hybrid storage materials on performances of solar still. Renewable Energy, 2019, 132, 119-128.	4.3	102
119	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
120	Performance improvement of desiccant air conditioner coupled with humidification-dehumidification desalination unit using solar reheating of regeneration air. Energy Conversion and Management, 2019, 198, 111808.	4.4	30
121	Thermal and hydraulic characteristics of a triangular duct using an Al ₂ O ₃ nanofluid in a turbulent flow regime. Heat Transfer - Asian Research, 2019, 48, 2639-2654.	2.8	6
122	Minimizing energy consumption in reverse osmosis desalination using renewable energy sources: A review. , 2019, , .		3
123	Experimental study of a hybrid system of air conditioning coupled with the distillate water production unit. AIP Conference Proceedings, 2019, , .	0.3	0
124	Achievement of humidification and dehumidification desalination system by utilizing a hot water sprayer and ultrasound waves techniques. Energy Conversion and Management, 2019, 201, 112142.	4.4	29
125	Performance improvement of stepped solar still using PCM with internal reflectors integrated with an evacuated tube solar water collector. , 2019, , .		1
126	An experimental and theoretical study on particles-in-air behavior characterization at different particles loading and turbulence modulation. AEJ - Alexandria Engineering Journal, 2019, 58, 451-465.	3.4	5

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127	Rotating-drum solar still with enhanced evaporation and condensation techniques: Comprehensive study. <i>Energy Conversion and Management</i> , 2019, 199, 112024.	4.4	135
128	Performance analysis of spiral and serpentine tube solar collector with carbon nanotube nanofluids under natural flow method. <i>Heat Transfer - Asian Research</i> , 2019, 48, 2428-2439.	2.8	6
129	Augmentation of a pyramid solar still performance using evacuated tubes and nanofluid: Experimental approach. <i>Applied Thermal Engineering</i> , 2019, 160, 113997.	3.0	113
130	Enhancement of single solar still integrated with solar dishes: An experimental approach. <i>Energy Conversion and Management</i> , 2019, 196, 165-174.	4.4	79
131	Performance augmentation of flat plate solar water collector using phase change materials and nanocomposite phase change materials: A review. <i>Chemical Engineering Research and Design</i> , 2019, 128, 135-157.	2.7	78
132	Improving performance of tubular solar still by controlling the water depth and cover cooling. <i>Journal of Cleaner Production</i> , 2019, 233, 848-856.	4.6	117
133	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.	4.6	135
134	A comprehensive investigation of the optimization cooling technique for improving the performance of PV module with reflectors under Egyptian conditions. <i>Solar Energy</i> , 2019, 186, 257-263.	2.9	62
135	Annual performance analysis of adding different nanofluids in stepped solar still. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 3175-3182.	2.0	63
136	Effect of Insulation on Energy and Exergy Effectiveness of a Solar Photovoltaic Panel Incorporated Inclined Solar Still – An Experimental Investigation. <i>Green Energy and Technology</i> , 2019, , 275-292.	0.4	13
137	Applications of cascaded phase change materials in solar water collector storage tanks: A review. <i>Solar Energy Materials and Solar Cells</i> , 2019, 199, 24-49.	3.0	125
138	Experimental investigation on the effect of photovoltaic panel partially and fully submerged in water. <i>Heat Transfer - Asian Research</i> , 2019, 48, 1709-1721.	2.8	13
139	Design considerations and their effects on the operation and maintenance cost in solar-powered desalination plants. <i>Heat Transfer - Asian Research</i> , 2019, 48, 1722-1736.	2.8	11
140	Factors affecting the thermal performance of the flat plate solar collector using nanofluids: A review. <i>Solar Energy</i> , 2019, 182, 382-396.	2.9	123
141	Experimental investigation on the effect of MgO and TiO ₂ nanoparticles in stepped solar still. <i>International Journal of Energy Research</i> , 2019, 43, 3295-3305.	2.2	62
142	Energy efficient moist free air conditioning system integrated with total heat desiccant solution system. <i>International Journal of Refrigeration</i> , 2019, 100, 220-226.	1.8	5
143	Performance enhancement of a photovoltaic panel with reflectors and cooling coupled to a solar still with air injection. <i>Journal of Cleaner Production</i> , 2019, 224, 40-49.	4.6	101
144	Exploitation of an insulated air chamber as a glazed cover of a conventional solar still. <i>Heat Transfer - Asian Research</i> , 2019, 48, 1563-1574.	2.8	14

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145	A new configuration of the desiccant dehumidifier with cut-segmental silica-gel baffles and water cooling for air conditioning coupled with HDH desalination system. International Journal of Refrigeration, 2019, 103, 155-162.	1.8	16
146	Rotating-wick solar still with mended evaporation technics: Experimental approach. AEJ - Alexandria Engineering Journal, 2019, 58, 1449-1459.	3.4	106
147	Synthesis and characterization of silica gel composite with polymer binders for adsorption cooling applications. International Journal of Refrigeration, 2019, 98, 161-170.	1.8	51
148	Effect of water depth on a novel absorber plate of pyramid solar still coated with TiO ₂ nano black paint. Journal of Cleaner Production, 2019, 213, 185-191.	4.6	199
149	A design modification for a quadrotor UAV: modeling, control and implementation. Advanced Robotics, 2019, 33, 13-32.	1.1	16
150	Experimental study on conventional solar still integrated with inclined solar still under different water depth. Heat Transfer - Asian Research, 2019, 48, 100-114.	2.8	21
151	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
152	Experimental investigation on pyramid solar still in passive and active mode. Heat and Mass Transfer, 2019, 55, 1045-1058.	1.2	29
153	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
154	ENHANCING THE THERMAL PERFORMANCE OF A MICRO FINNED TUBE WITH TiO ₂ “WATER NANOFLUIDS USING TWISTED TAPE INSERTS. Heat Transfer Research, 2019, 50, 851-863.	0.9	3
155	COMPUTATIONAL STUDY OF DIFFERENT TURBULENCE MODELS FOR AIR IMPINGEMENT JET INTO MAIN AIR CROSS STREAM. , 2019, 46, 459-475.		1
156	New cooling approach using successive evaporation and condensation of a liquid film inside a vertical mini-channel. International Journal of Heat and Mass Transfer, 2018, 122, 895-912.	2.5	18
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