

S M Shalaby

List of Publications by Year in descending order

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31
papers

2,463
citations

331670

21
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

1588
citing authors

#	ARTICLE	IF	CITATIONS
1	Solar drying of agricultural products: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 37-43.	16.4	214
2	Experimental investigation of thermal performance of flat and v-corrugated plate solar air heaters with and without PCM as thermal energy storage. <i>Energy Conversion and Management</i> , 2016, 113, 264-272.	9.2	205
3	An experimental investigation of a v-corrugated absorber single-basin solar still using PCM. <i>Desalination</i> , 2016, 398, 247-255.	8.2	199
4	Thermal performance investigation of double pass-finned plate solar air heater. <i>Applied Energy</i> , 2011, 88, 1727-1739.	10.1	178
5	Solar dryers with PCM as energy storage medium: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 33, 110-116.	16.4	175
6	Experimental investigation of an indirect-mode forced convection solar dryer for drying thymus and mint. <i>Energy Conversion and Management</i> , 2013, 74, 109-116.	9.2	159
7	Investigation of thermal performance of double pass-flat and v-corrugated plate solar air heaters. <i>Energy</i> , 2011, 36, 1076-1086.	8.8	157
8	Experimental investigation of a novel indirect solar dryer implementing PCM as energy storage medium. <i>Energy Conversion and Management</i> , 2014, 83, 1-8.	9.2	147
9	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.	6.2	125
10	Factors affecting the thermal performance of the flat plate solar collector using nanofluids: A review. <i>Solar Energy</i> , 2019, 182, 382-396.	6.1	123
11	Reverse osmosis desalination powered by photovoltaic and solar Rankine cycle power systems: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 73, 789-797.	16.4	110
12	Improvement of thermal performance of the finned plate solar air heater by using latent heat thermal storage. <i>Applied Thermal Engineering</i> , 2017, 123, 546-553.	6.0	98
13	Reverse osmosis desalination systems powered by solar energy: Preheating techniques and brine disposal challenges – A detailed review. <i>Energy Conversion and Management</i> , 2022, 251, 114971.	9.2	75
14	Cost analysis for several solar desalination systems. <i>Desalination</i> , 2016, 384, 12-30.	8.2	74
15	Investigation of the Thermal Performances of Flat, Finned, and v-Corrugated Plate Solar Air Heaters. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2016, 138, .	1.8	71
16	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.	9.2	69
17	Membrane distillation driven by solar energy: A review. <i>Journal of Cleaner Production</i> , 2022, 366, 132949.	9.3	41
18	Experimental study of hybrid solar humidification dehumidification system for extremely saline water desalination. <i>Energy Conversion and Management</i> , 2021, 235, 114021.	9.2	31

#	ARTICLE	IF	CITATIONS
19	Experimental study of the solar water heater integrated with shell and finned tube latent heat storage system. <i>Journal of Energy Storage</i> , 2020, 31, 101628.	8.1	30
20	Experimental study on the performance of PV with water cooling. <i>Energy Reports</i> , 2022, 8, 957-961.	5.1	27
21	Experimental Investigation of Drying Thymus Cut Leaves in Indirect Solar Dryer With Phase Change Material. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2017, 139, .	1.8	25
22	Parametric study and heat transfer mechanisms of single basin v-corrugated solar still. <i>Desalination and Water Treatment</i> , 2015, 55, 285-296.	1.0	21
23	Experimental investigation and thermo-economic performance analysis of a modified solar distiller design with thermal storage material and v-corrugated absorber basin. <i>Journal of Energy Storage</i> , 2022, 52, 105020.	8.1	19
24	Development of an efficient nano-fluid cooling/preheating system for PV-RO water desalination pilot plant. <i>Energy Conversion and Management</i> , 2022, 268, 115960.	9.2	18
25	Design Recommendations for Humidification-dehumidification Solar Water Desalination Systems. <i>Energy Procedia</i> , 2017, 107, 270-274.	1.8	15
26	The effect of drying sweet basil in an indirect solar dryer integrated with phase change material on essential oil valuable components. <i>Energy Reports</i> , 2020, 6, 43-50.	5.1	13
27	Drying Nerium Oleander in an Indirect Solar Dryer Using Phase Change Material as an Energy Storage Medium. <i>Journal of Clean Energy Technologies</i> , 2015, 3, 176-180.	0.1	13
28	Investigation and Improvement of Thermal Performance of a Solar Air Heater Using Extended Surfaces Through the Phase Change Material. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2020, 142, .	1.8	9
29	Aspen Plus simulation of a low capacity organic Rankine cycle heated by solar energy. <i>Energy Reports</i> , 2022, 8, 416-421.	5.1	9
30	Improvement of the Thermal Performance of the v-Corrugated Plate Solar Air Heater with PCM by Using Insulated Upper Cover during Night. , 2018, , .		7
31	Investigation and Improvement of the Humidification"Dehumidification Solar Water Desalination System Implemented Wick as Packing Material. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2020, 142, .	1.8	6