

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	Aspen Plus simulation of a low capacity organic Rankine cycle heated by solar energy. Energy Reports, 2022, 8, 416-421.	5.1	9
2	Experimental study on the performance of PV with water cooling. Energy Reports, 2022, 8, 957-961.	5.1	27
3	Reverse osmosis desalination systems powered by solar energy: Preheating techniques and brine disposal challenges – A detailed review. Energy Conversion and Management, 2022, 251, 114971.	9.2	75
4	Experimental investigation and thermo-economic performance analysis of a modified solar distiller design with thermal storage material and v-corrugated absorber basin. Journal of Energy Storage, 2022, 52, 105020.	8.1	19
5	Membrane distillation driven by solar energy: A review. Journal of Cleaner Production, 2022, 366, 132949.	9.3	41
6	Development of an efficient nano-fluid cooling/preheating system for PV-RO water desalination pilot plant. Energy Conversion and Management, 2022, 268, 115960.	9.2	18
7	Experimental study of hybrid solar humidification dehumidification system for extremely saline water desalination. Energy Conversion and Management, 2021, 235, 114021.	9.2	31
8	Performance assessment of solar PV-driven hybrid HDH-RO desalination system integrated with energy recovery units and solar collectors: Theoretical approach. Energy Conversion and Management, 2021, 239, 114215.	9.2	69
9	Experimental study of the solar water heater integrated with shell and finned tube latent heat storage system. Journal of Energy Storage, 2020, 31, 101628.	8.1	30
10	The effect of drying sweet basil in an indirect solar dryer integrated with phase change material on essential oil valuable components. Energy Reports, 2020, 6, 43-50.	5.1	13
11	Investigation and Improvement of Thermal Performance of a Solar Air Heater Using Extended Surfaces Through the Phase Change Material. Journal of Solar Energy Engineering, Transactions of the ASME, 2020, 142, .	1.8	9
12	Investigation and Improvement of the Humidification–Dehumidification Solar Water Desalination System Implemented Wick as Packing Material. Journal of Solar Energy Engineering, Transactions of the ASME, 2020, 142, .	1.8	6
13	Applications of cascaded phase change materials in solar water collector storage tanks: A review. Solar Energy Materials and Solar Cells, 2019, 199, 24-49.	6.2	125
14	Factors affecting the thermal performance of the flat plate solar collector using nanofluids: A review. Solar Energy, 2019, 182, 382-396.	6.1	123
15	Improvement of the Thermal Performance of the v-Corrugated Plate Solar Air Heater with PCM by Using Insulated Upper Cover during Night. , 2018, , .		7
16	Design Recommendations for Humidification-dehumidification Solar Water Desalination Systems. Energy Procedia, 2017, 107, 270-274.	1.8	15
17	Reverse osmosis desalination powered by photovoltaic and solar Rankine cycle power systems: A review. Renewable and Sustainable Energy Reviews, 2017, 73, 789-797.	16.4	110
18	Improvement of thermal performance of the finned plate solar air heater by using latent heat thermal storage. Applied Thermal Engineering, 2017, 123, 546-553.	6.0	98

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	An experimental investigation of a v-corrugated absorber single-basin solar still using PCM. <i>Desalination</i> , 2016, 398, 247-255.	8.2	199
22	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
23	Cost analysis for several solar desalination systems. <i>Desalination</i> , 2016, 384, 12-30.	8.2	74
24	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
25	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
26	Solar dryers with PCM as energy storage medium: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 33, 110-116.	16.4	175
27	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
28	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
29	Solar drying of agricultural products: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 37-43.	16.4	214
30	Thermal performance investigation of double pass-finned plate solar air heater. <i>Applied Energy</i> , 2011, 88, 1727-1739.	10.1	178
31	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