Mohamed A Eltawil

List of Publications by Year
in descending order

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25 papers	3,021 citations	430442 18 h-index	580395 25 g-index
25 all docs	25 docs citations	25 times ranked	2601 citing authors

#	Article	IF	Citations
1	Design a novel air to water pressure amplifier powered by PV system for reverse osmosis desalination. Renewable and Sustainable Energy Reviews, 2022, 160, 112295.	8.2	7
2	Innovative extraction process for date fruits syrup (Dibs) using electro-thermal solar energy. Solar Energy, 2021, 221, 521-535.	2.9	2
3	Design of a solar PV powered variable frequency drive for a bubbler irrigation system in palm trees fields. Chemical Engineering Research and Design, 2021, 152, 140-153.	2.7	7
4	Influence of basin metals and novel wick-metal chips pad on the thermal performance of solar desalination process. Journal of Cleaner Production, 2020, 248, 119224.	4.6	70
5	Exergoeconomic and environmental analysis of seawater desalination system augmented with nanoparticles and cotton hung pad. Journal of Cleaner Production, 2020, 248, 119180.	4.6	62
6	Thermal analysis of PV system and solar collector integrated with greenhouse dryer for drying tomatoes. Energy, 2020, 212, 118764.	4.5	43
7	Enhancing the double-slope solar still performance using simple solar collector and floatable black wicks. Environmental Science and Pollution Research, 2020, 27, 35078-35098.	2.7	29
8	Improving the performance of solar still using different heat localization materials. Environmental Science and Pollution Research, 2020, 27, 12332-12344.	2.7	77
9	Performance enhancement of stepped double slope solar still by using nanoparticles and linen wicks: Energy, exergy and economic analysis. Applied Thermal Engineering, 2020, 174, 115278.	3.0	115
10	Energy analysis of hybrid solar tunnel dryer with PV system and solar collector for drying mint (MenthaViridis). Journal of Cleaner Production, 2018, 181, 352-364.	4.6	109
11	Solar PV powered mixed-mode tunnel dryer for drying potato chips. Renewable Energy, 2018, 116, 594-605.	4.3	86
12	Energy and exergy analysis of solar stills with micro/nano particles: A comparative study. Energy Conversion and Management, 2018, 177, 363-375.	4.4	159
13	A hybrid desalination system using humidification-dehumidification and solar stills integrated with evacuated solar water heater. Energy Conversion and Management, 2016, 124, 287-296.	4.4	136
14	Utilisation of solar photovoltaic pumping for aeration systems in aquaculture ponds. International Journal of Sustainable Energy, 2016, 35, 629-644.	1.3	13
15	Enhancing the solar still performance using solar photovoltaic, flat plate collector and hot air. Desalination, 2014, 349, 1-9.	4.0	161
16	MPPT techniques for photovoltaic applications. Renewable and Sustainable Energy Reviews, 2013, 25, 793-813.	8.2	367
17	A new hybrid desalination system using wicks/solar still and evacuated solar water heater. Desalination, 2013, 325, 56-64.	4.0	146
18	Hybrid of solar dish concentrator, new boiler and simple solar collector for brackish water desalination. Desalination, 2013, 326, 62-68.	4.0	96

#	Article	IF	Citations
19	Grid-connected photovoltaic power systems: Technical and potential problemsâ€"A review. Renewable and Sustainable Energy Reviews, 2010, 14, 112-129.	8.2	803
20	A review of renewable energy technologies integrated with desalination systems. Renewable and Sustainable Energy Reviews, 2009, 13, 2245-2262.	8.2	409
21	Wind turbine-inclined still collector integration with solar still for brackish water desalination. Desalination, 2009, 249, 490-497.	4.0	69
22	Design and control of a three-phase grid-connected photovoltaic system with developed maximum power point tracking. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	18
23	Performance evaluation of three control strategies for three-level neutral point clamped PWM rectifier. IEEE Applied Power Electronics Conference and Exposition, 2008, , .	0.0	19
24	Performance Evaluation of Switch Devices Equipped in High-Power Three-Level Inverters. IEEE Transactions on Industrial Electronics, 2007, 54, 2993-3000.	5.2	8
25	Optimization Design of High-Voltage-Balancing Circuit Based on the Functional Model of IGCT. IEEE Transactions on Industrial Electronics, 2007, 54, 3012-3021.	5.2	10