

# Nabil A S Elminshawy

## List of Publications by Year in descending order

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Version: 2024-02-01

17  
papers

860  
citations

471509

17  
h-index

888059

17  
g-index

17  
all docs

17  
docs citations

17  
times ranked

678  
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance of PV panel coupled with geothermal air cooling system subjected to hot climatic. Applied Thermal Engineering, 2019, 148, 1-9.	6.0	95
2	Theoretical investigation of solar humidification–dehumidification desalination system using parabolic trough concentrators. Energy Conversion and Management, 2011, 52, 3112-3119.	9.2	87
3	Development of an active solar humidification-dehumidification (HDH) desalination system integrated with geothermal energy. Energy Conversion and Management, 2016, 126, 608-621.	9.2	79
4	Development of a desalination system driven by solar energy and low grade waste heat. Energy Conversion and Management, 2015, 103, 28-35.	9.2	65
5	Humidification–dehumidification desalination system driven by geothermal energy. Desalination, 2009, 249, 602-608.	8.2	59
6	Experimental and analytical study on productivity augmentation of a novel solar humidification–dehumidification (HDH) system. Desalination, 2015, 365, 36-45.	8.2	58
7	Experimental investigation on the performance of earth-air pipe heat exchanger for different soil compaction levels. Applied Thermal Engineering, 2017, 124, 1319-1327.	6.0	58
8	Design and performance improvement of a solar desalination system by using solar air heater: Experimental and theoretical approach. Desalination, 2016, 399, 78-87.	8.2	51
9	Experimental investigation of a V-trough PV concentrator integrated with a buried water heat exchanger cooling system. Solar Energy, 2019, 193, 706-714.	6.1	43
10	The performance of a buried heat exchanger system for PV panel cooling under elevated air temperatures. Geothermics, 2019, 82, 7-15.	3.4	43
11	A novel concentrated photovoltaic-driven membrane distillation hybrid system for the simultaneous production of electricity and potable water. Renewable Energy, 2020, 162, 802-817.	8.9	42
12	Experimental and theoretical investigation of a new air gap membrane distillation module with a corrugated feed channel. Journal of Membrane Science, 2020, 594, 117461.	8.2	41
13	Performance enhancement of concentrator photovoltaic systems using nanofluids. International Journal of Energy Research, 2021, 45, 2959-2979.	4.5	39
14	Simulation and experimental performance analysis of partially floating PV system in windy conditions. Solar Energy, 2021, 230, 1106-1121.	6.1	29
15	Remediation of saturated soil contaminated with petroleum products using air sparging with thermal enhancement. Journal of Environmental Management, 2007, 83, 339-350.	7.8	27
16	Thermo-electrical performance assessment of a partially submerged floating photovoltaic system. Energy, 2022, 246, 123444.	8.8	23
17	Performance and potential of a novel floating photovoltaic system in Egyptian winter climate on calm water surface. International Journal of Hydrogen Energy, 2022, 47, 12798-12814.	7.1	21