Ahmed S Shehata

List of Publications by Year
in descending order

20	428	933447 10	940533 16
papers	citations	h-index	g-index

20	20	20	271
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhancement of photovoltaic power farms using a new power prediction approach. International Journal of Energy Research, 2022, 46, 4222-4246.	4.5	2
2	Numerical simulation of flow in hydrokinetic turbine channel to improve its efficiency by using first and second-law efficiency analysis. Ocean Engineering, 2022, 244, 110400.	4.3	3
3	Experimental investigation of a stepped solar still employing a phase change material, a conical tank, and a solar dish. International Journal of Energy Research, 2022, 46, 16762-16776.	4.5	4
4	Modelling and Assessment of Accidental Gas Release from Damaged Subsea Pipelines. International Journal of Environmental Science and Development, 2021, 12, 162-168.	0.6	0
5	Numerical optimization of hybrid wind-wave farm layout located on Egyptian North Coasts. Ocean Engineering, 2021, 234, 109260.	4.3	3
6	Performance analysis of 10MWp grid-connected photovoltaic system in the Mediterranean climate using PVsyst software. , 2021, , 286-291.		3
7	Experimental and techno-economic feasibility analysis of renewable energy technologies for Jabel Ali Port in UAE. Energy Reports, 2021, 7, 116-136.	5.1	7
8	Techno Selection Approach of Working Fluid for Enhancing the OTEC System Performance. , 2020, , .		1
9	Preliminary Design of an Offshore Wind Farm on the Egyptian Coast. , 2020, , .		1
10	Effect of passive flow control on the aerodynamic performance, entropy generation and aeroacoustic noise of axial turbines for wave energy extractor. Ocean Engineering, 2018, 157, 262-300.	4.3	20
11	Numerical and experimental investigations on efficient design and performance of hydrokinetic Banki cross flow turbine for rural areas. Ocean Engineering, 2018, 159, 437-456.	4.3	17
12	Reply to: Discussion on â€œperformance analysis of wells turbine blades using the entropy generation minimization methodâ€•by Shehata, A. S., Saqr, K. M., Xiao, Q., Shahadeh, M. F. and Day, A. Renewable Energy, 2018, 118, 402-408.	8.9	2
13	Performance study of ducted nozzle Savonius water turbine, comparison with conventional Savonius turbine. Energy, 2017, 134, 566-584.	8.8	103
14	Incremental approach for radial basis functions mesh deformation with greedy algorithm. Journal of Computational Physics, 2017, 340, 556-574.	3.8	14
15	Passive flow control for aerodynamic performance enhancement of airfoil with its application in Wells turbine â€“ Under oscillating flow condition. Ocean Engineering, 2017, 136, 31-53.	4.3	38
16	Wells turbine for wave energy conversion: a review. International Journal of Energy Research, 2017, 41, 6-38.	4.5	80
17	Comparative analysis of different wave turbine designs based on conditions relevant to northern coast of Egypt. Energy, 2017, 120, 450-467.	8.8	24
18	Enhancement of performance of wave turbine during stall using passive flow control: First and second law analysis. Renewable Energy, 2017, 113, 369-392.	8.9	31

#	Article	IF	Citations
19	Performance analysis of wells turbine blades using the entropy generation minimization method. Renewable Energy, 2016, 86, 1123-1133.	8.9	52
20	Entropy Generation Due to Viscous Dissipation around a Wells Turbine Blade: A Preliminary Numerical Study. Energy Procedia, 2014, 50, 808-816.	1.8	23