

Mohamed R Gomaa

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

25
papers

350
citations

13
h-index

18
g-index

27
ext. papers

556
ext. citations

4.8
avg, IF

4.37
L-index

#	Paper	IF	Citations
25	A novel statistical performance evaluation of most modern optimization-based global MPPT techniques for partially shaded PV system. <i>Renewable and Sustainable Energy Reviews</i> , 2019 , 115, 109372	16.2	61
24	Environmental Impacts on the Performance of Solar Photovoltaic Systems. <i>Sustainability</i> , 2020 , 12, 608	3.6	47
23	Evaluating the Environmental Impacts and Energy Performance of a Wind Farm System Utilizing the Life-Cycle Assessment Method: A Practical Case Study. <i>Energies</i> , 2019 , 12, 3263	3.1	26
22	Solar thermochemical conversion of carbonaceous materials into syngas by Co-Gasification. <i>Journal of Cleaner Production</i> , 2020 , 248, 119185	10.3	21
21	A novel merging Tubular Daylight Device with Solar Water Heater [Experimental study. <i>Renewable Energy</i> , 2018 , 125, 947-961	8.1	20
20	A low-grade heat Organic Rankine Cycle driven by hybrid solar collectors and a waste heat recovery system. <i>Energy Reports</i> , 2020 , 6, 3425-3445	4.6	19
19	Sizing Methodology of a Multi-Mirror Solar Concentrated Hybrid PV/Thermal System. <i>Energies</i> , 2018 , 11, 3276	3.1	17
18	An experimental study of engine characteristics and tailpipe emissions from modern DI diesel engine fuelled with methanol/diesel blends. <i>Fuel Processing Technology</i> , 2021 , 220, 106901	7.2	17
17	A Variable Fractional Order Fuzzy Logic Control Based MPPT Technique for Improving Energy Conversion Efficiency of Thermoelectric Power Generator. <i>Energies</i> , 2020 , 13, 4531	3.1	15
16	Design, Modeling, and Experimental Investigation of Active Water Cooling Concentrating Photovoltaic System. <i>Sustainability</i> , 2020 , 12, 5392	3.6	15
15	Hybrid Moth-Flame Optimization Algorithm and Incremental Conductance for Tracking Maximum Power of Solar PV/Thermoelectric System under Different Conditions. <i>Mathematics</i> , 2019 , 7, 875	2.3	14
14	Theoretical model of a fluidized bed solar reactor design with the aid of MCRT method and synthesis gas production. <i>Renewable Energy</i> , 2020 , 148, 91-102	8.1	14
13	Performance enhancement of grid-tied PV system through proposed design cooling techniques: An experimental study and comparative analysis. <i>Solar Energy</i> , 2020 , 211, 1110-1127	6.8	14
12	Theoretical and experimental performance investigation of a newly combined TDD and SWH system. <i>Applied Thermal Engineering</i> , 2019 , 161, 114156	5.8	8
11	Temperature distribution modeling of PV and cooling water PV/T collectors through thin and thick cooling cross-fined channel box. <i>Energy Reports</i> , 2021 , 8, 1144-1144	4.6	7
10	An experimental implementation and testing of a concentrated hybrid photovoltaic/thermal system with monocrystalline solar cells using linear Fresnel reflected mirrors. <i>International Journal of Energy Research</i> , 2019 , 43, 8660	4.5	6
9	Passive cooling system for enhancement the energy conversion efficiency of thermo-electric generator. <i>Energy Reports</i> , 2020 , 6, 687-692	4.6	6

8	Productivity enhancement of the solar still by using water cooled finned condensing pipe	213, 35-43	5
7	Dynamic Fracture Strength and Toughness of Continuous Alumina Fiber Reinforced Glass Matrix Composites at Elevated Temperature. <i>Materials and Manufacturing Processes</i> , 2011 , 26, 579-585		4.1 4
6	Modeling and Optimization of a Compression Ignition Engine Fueled with Biodiesel Blends for Performance Improvement. <i>Mathematics</i> , 2022 , 10, 420		2.3 4
5	Investigation of the Effect of Solar Ventilation on the Cabin Temperature of Vehicles Parked under the Sun. <i>Sustainability</i> , 2021 , 13, 13963		3.6 3
4	Efficiency and Exergy Enhancement of ORC Powered by Recovering Flue Gases-Heat System in Cement Industrials: a Case Study. <i>International Review of Mechanical Engineering</i> , 2019 , 13, 185		1.8 2
3	Optimal Parameter Estimation of Solar PV Panel Based on Hybrid Particle Swarm and Grey Wolf Optimization Algorithms. <i>International Journal of Interactive Multimedia and Artificial Intelligence</i> , 2021 , 6, 145		3.8 2
2	A State-of-the-art Review on a Thermochemical Conversion of Carbonaceous Materials: Production of Synthesis Gas by Co-Gasification Process- Part I. <i>Current Alternative Energy</i> , 2021 , 4, 26-46		2.2 1
1	Hydro Pump Storage System Driven by PV System for Peak Demand. <i>WSEAS Transactions on Systems</i> , 2022 , 21, 49-54		0.5 1