

Mohamed R Gomaa

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9479096/mohamed-r-gomaa-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Modeling and Optimization of a Compression Ignition Engine Fueled with Biodiesel Blends for Performance Improvement. <i>Mathematics</i> , 2022 , 10, 420	2.3	4
24	Hydro Pump Storage System Driven by PV System for Peak Demand. <i>WSEAS Transactions on Systems</i> , 2022 , 21, 49-54	0.5	1
23	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
22	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
21	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
20	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
19	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
18	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
17	Environmental Impacts on the Performance of Solar Photovoltaic Systems. <i>Sustainability</i> , 2020 , 12, 608	3.6	47
16	Passive cooling system for enhancement the energy conversion efficiency of thermo-electric generator. <i>Energy Reports</i> , 2020 , 6, 687-692	4.6	6
15	Solar thermochemical conversion of carbonaceous materials into syngas by Co-Gasification. <i>Journal of Cleaner Production</i> , 2020 , 248, 119185	10.3	21
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	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
12	Design, Modeling, and Experimental Investigation of Active Water Cooling Concentrating Photovoltaic System. <i>Sustainability</i> , 2020 , 12, 5392	3.6	15
11	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
10	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
9	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

8	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
7	Theoretical and experimental performance investigation of a newly combined TDD and SWH system. <i>Applied Thermal Engineering</i> , 2019 , 161, 114156	5.8	8
6	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
5	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
4	A novel merging Tubular Daylight Device with Solar Water Heater [Experimental study]. <i>Renewable Energy</i> , 2018 , 125, 947-961	8.1	20
3	Sizing Methodology of a Multi-Mirror Solar Concentrated Hybrid PV/Thermal System. <i>Energies</i> , 2018 , 11, 3276	3.1	17
2	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
1	Productivity enhancement of the solar still by using water cooled finned condensing pipe	213, 35-43	5