

Khalid Almutairi

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

668
citations

686830

13
h-index

580395

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27
all docs

27
docs citations

27
times ranked

298
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of MPPT Techniques Under Uniform and Non-Uniform Solar Irradiation Conditionâ€”A Retrospection. IEEE Access, 2020, 8, 127368-127392.	2.6	146
2	Technical, economic, carbon footprint assessment, and prioritizing stations for hydrogen production using wind energy: A case study. Energy Strategy Reviews, 2021, 36, 100684.	3.3	62
3	A thorough investigation for development of hydrogen projects from wind energy: A case study. International Journal of Hydrogen Energy, 2021, 46, 18795-18815.	3.8	52
4	Use of a Hybrid Windâ€”Solarâ€”Dieselâ€”Battery Energy System to Power Buildings in Remote Areas: A Case Study. Sustainability, 2021, 13, 8764.	1.6	40
5	Blockchain Technology Application Challenges in Renewable Energy Supply Chain Management. Environmental Science and Pollution Research, 2023, 30, 72041-72058.	2.7	39
6	Determination of optimal renewable energy growth strategies using <scp>SWOT</scp> analysis, hybrid <scp>MCDM</scp> methods, and game theory: A case study. International Journal of Energy Research, 2022, 46, 6766-6789.	2.2	38
7	A thorough analysis of renewable hydrogen projects development in Uzbekistan using MCDM methods. International Journal of Hydrogen Energy, 2021, 46, 31174-31190.	3.8	37
8	Review of Online and Soft Computing Maximum Power Point Tracking Techniques under Non-Uniform Solar Irradiation Conditions. Energies, 2020, 13, 3256.	1.6	36
9	Ranking Locations for Hydrogen Production Using Hybrid Wind-Solar: A Case Study. Sustainability, 2021, 13, 4524.	1.6	35
10	Performance optimization of a new flash-binary geothermal cycle for power/hydrogen production with zeotropic fluid. Journal of Thermal Analysis and Calorimetry, 2021, 145, 1633-1650.	2.0	27
11	Implementing MCDM Techniques for Ranking Renewable Energy Projects under Fuzzy Environment: A Case Study. Sustainability, 2021, 13, 12858.	1.6	22
12	A Thorough Economic Evaluation by Implementing Solar/Wind Energies for Hydrogen Production: A Case Study. Sustainability, 2022, 14, 1177.	1.6	22
13	A review on applications of solar energy for preheating in power plants. AEJ - Alexandria Engineering Journal, 2022, 61, 5283-5294.	3.4	18
14	A TLBO-Tuned Neural Processor for Predicting Heating Load in Residential Buildings. Sustainability, 2022, 14, 5924.	1.6	12
15	An economic investigation of the wind-hydrogen projects: A case study. International Journal of Hydrogen Energy, 2022, 47, 25880-25898.	3.8	12
16	Experimental Analysis of Modified DC-P&O Technique with Arm Controller for a Stand-Alone 40 W PV System. Energies, 2021, 14, 6169.	1.6	9
17	Technoâ€”economic analysis and energy performance of a geothermal earthâ€”toâ€”air heat exchanger (EAHE) system in residential buildings: A case study. Energy Science and Engineering, 2021, 9, 1807-1825.	1.9	8
18	DYNAMIC SIMULATION AND RANKING OF USING RESIDENTIAL-SCALE SOLAR WATER HEATER IN IRAN. Journal of Environmental Engineering and Landscape Management, 2022, 30, 30-42.	0.4	8

#	ARTICLE	IF	CITATIONS
19	Techno-Economic Investigation of Using Solar Energy for Heating Swimming Pools in Buildings and Producing Hydrogen: A Case Study. <i>Frontiers in Energy Research</i> , 2021, 9, .	1.2	7
20	Simulation of Wellbore Drilling Energy Saving of Nanofluids Using an Experimental Taylor-Couette Flow System. <i>Journal of Petroleum Exploration and Production</i> , 2021, 11, 2963-2979.	1.2	7
21	Improving Heat Transfer of Plate-Fin Heat Sinks Using Through Rod Configurations. <i>Journal of Thermal Science and Engineering Applications</i> , 2021, 13, .	0.8	7
22	Determining the appropriate location for renewable hydrogen development using multi-criteria decision-making approaches. <i>International Journal of Energy Research</i> , 2022, 46, 5876-5895.	2.2	7
23	Impact of economic and government investment in residential solar power plant on energy system sustainability. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102050.	1.7	5
24	Evaluation of wind power generation projects to reduce air pollution using multi-criteria decision-making methods in Saudi Arabia. <i>Environmental Science and Pollution Research</i> , 2022, 29, 88587-88605.	2.7	5
25	Introducing a Rheology Model for Non-Newtonian Drilling Fluids. <i>Geofluids</i> , 2021, 2021, 1-14.	0.3	4
26	A Novel Policy to Optimize Energy Consumption for Dairy Product Warehouses: A Case Study. <i>Sustainability</i> , 2021, 13, 2445.	1.6	2
27	Experimental investigation of dehumidification process regulated by the photothermoelectric system. <i>Water Science and Technology</i> , 2021, 84, 3211-3226.	1.2	1