

Muhammad Shahzad Nazir

List of Publications by Year in Descending Order

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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.

47
papers

711
citations

15
h-index

25
g-index

54
ext. papers

1,053
ext. citations

4.3
avg, IF

5.12
L-index

#	Paper	IF	Citations
47	Wind Energy, Its Application, Challenges, and Potential Environmental Impact 2022 , 1-38		
46	Assessment of loading phase change material into net meter building to boost excess electricity generation. <i>Journal of Building Engineering</i> , 2022 , 52, 104386	5.2	0
45	A review on proliferation of artificial intelligence in wind energy forecasting and instrumentation management.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
44	Optimized economic operation of energy storage integration using improved gravitational search algorithm and dual stage optimization. <i>Journal of Energy Storage</i> , 2022 , 50, 104591	7.8	1
43	Cryogenic-Energy-Storage-Based Optimized Green Growth of an Integrated and Sustainable Energy System. <i>Sustainability</i> , 2022 , 14, 5301	3.6	1
42	Wind Energy, its Application, Challenges, and Potential Environmental Impact 2022 , 899-935		
41	Wind Energy, Its Application, Challenges, and Potential Environmental Impact 2021 , 1-38		
40	Voltage Stability Index Using New Single-Port Equivalent Based on Component Peculiarity and Sensitivity Persistence. <i>Processes</i> , 2021 , 9, 1849	2.9	0
39	An integrated framework of Bi-directional long-short term memory (BiLSTM) based on sine cosine algorithm for hourly solar radiation forecasting. <i>Energy</i> , 2021 , 221, 119887	7.9	39
38	Optimized Economic Operation of Microgrid: Combined Cooling and Heating Power and Hybrid Energy Storage Systems. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2021 , 143,	2.6	6
37	Optimal Economic Modelling of Hybrid Combined Cooling, Heating, and Energy Storage System Based on Gravitational Search Algorithm-Random Forest Regression. <i>Complexity</i> , 2021 , 2021, 1-13	1.6	1
36	A comprehensive review of parabolic trough solar collectors equipped with turbulators and numerical evaluation of hydrothermal performance of a novel model. <i>Sustainable Energy Technologies and Assessments</i> , 2021 , 45, 101103	4.7	15
35	Metaheuristic searching genetic algorithm based reliability assessment of hybrid power generation system. <i>Energy Exploration and Exploitation</i> , 2021 , 39, 488-501	2.1	8
34	A day-ahead economic scheduling of microgrids equipped with plug-in hybrid electric vehicles using modified shuffled frog leaping algorithm. <i>Journal of Energy Storage</i> , 2021 , 33, 102021	7.8	11
33	Parameter identification and uncertainty quantification of a non-linear pump-turbine governing system based on the differential evolution adaptive Metropolis algorithm. <i>IET Renewable Power Generation</i> , 2021 , 15, 342-353	2.9	4
32	Numerical simulation of the performance of a novel parabolic solar receiver filled with nanofluid. <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 144, 2653	4.1	7
31	Optimal Operation of Stand-Alone Microgrid Considering Emission Issues and Demand Response Program Using Whale Optimization Algorithm. <i>Sustainability</i> , 2021 , 13, 7710	3.6	2

30	A novel MPPT controller in PV systems with hybrid whale optimization-PS algorithm based ANFIS under different conditions. <i>Control Engineering Practice</i> , 2021 , 112, 104809	3.9	2
29	Integration of energy storage system and renewable energy sources based on artificial intelligence: An overview. <i>Journal of Energy Storage</i> , 2021 , 40, 102811	7.8	22
28	Oscillation Damping for Wind Energy Conversion System with Doubly Fed Induction Generator Association with Synchronous Generator. <i>Energies</i> , 2020 , 13, 5067	3.1	5
27	Negative correlation learning-based RELM ensemble model integrated with OVMD for multi-step ahead wind speed forecasting. <i>Renewable Energy</i> , 2020 , 156, 804-819	8.1	27
26	Wind Generation Forecasting Methods and Proliferation of Artificial Neural Network: A Review of Five Years Research Trend. <i>Sustainability</i> , 2020 , 12, 3778	3.6	37
25	Environmental impacts and risk factors of renewable energy paradigm-a review. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 33516-33526	5.1	13
24	Improving the Performance of Doubly Fed Induction Generator Using Fault Tolerant Control Hierarchical Approach. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 924	2.6	13
23	Impacts of renewable energy atlas: Reaping the benefits of renewables and biodiversity threats. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 22113-22124	6.7	18
22	Speed Control of a Wheelchair Prototype Driven by a DC Motor Through Real EEG Brain Signals. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 671, 012036	0.4	3
21	Comparison of Small-Scale Wind Energy Conversion Systems: Economic Indexes. <i>Clean Technologies</i> , 2020 , 2, 144-155	3.4	12
20	2019-nCoV/COVID-19 - Approaches to Viral Vaccine Development and Preventive Measures. <i>Journal of Pure and Applied Microbiology</i> , 2020 , 14, 25-29	0.9	14
19	Coronaviruses and COVID-19 [Complications and Lessons Learned for the Future. <i>Journal of Pure and Applied Microbiology</i> , 2020 , 14, 725-731	0.9	10
18	Potential environmental impacts of wind energy development: A global perspective. <i>Current Opinion in Environmental Science and Health</i> , 2020 , 13, 85-90	8.1	48
17	Thermochemical and electrochemical aspects of carbon dioxide methanation: A sustainable approach to generate fuel via waste to energy theme. <i>Science of the Total Environment</i> , 2020 , 712, 136482	10.2	26
16	The robustness assessment of doubly fed induction generator-wind turbine during short circuit. <i>Energy and Environment</i> , 2020 , 31, 570-582	2.4	15
15	Optimization configuration of energy storage capacity based on the microgrid reliable output power. <i>Journal of Energy Storage</i> , 2020 , 32, 101866	7.8	16
14	System Design and Optimisation Study on a Novel CCHP System Integrated with a Hybrid Energy Storage System and an ORC. <i>Complexity</i> , 2020 , 2020, 1-14	1.6	4
13	Persistence, transmission, and infectivity of SARS-CoV-2 in inanimate environments. <i>Case Studies in Chemical and Environmental Engineering</i> , 2020 , 2, 100047	7.5	8

12	A New Efficient Step-Up Boost Converter with CLD Cell for Electric Vehicle and New Energy Systems. <i>Energies</i> , 2020 , 13, 1791	3.1	23
11	Impact of symmetrical short-circuit fault on doubly-fed induction generator controller. <i>International Journal of Electronics</i> , 2020 , 107, 2028-2043	1.2	8
10	Environmental impact and pollution-related challenges of renewable wind energy paradigm - A review. <i>Science of the Total Environment</i> , 2019 , 683, 436-444	10.2	93
9	Environmental perspectives of interfacially active and magnetically recoverable composite materials - A review. <i>Science of the Total Environment</i> , 2019 , 670, 523-538	10.2	50
8	Synthesis, Characterization and Electrochemical Properties of MnO ₂ Nanowires as Electrode Material for Supercapacitors. <i>International Journal of Electrochemical Science</i> , 2018 , 6426-6435	2.2	15
7	Symmetrical Short Circuit Parameter Differences of Double Fed Induction Generator and Synchronous Generator Based Wind Turbine. <i>Indonesian Journal of Electrical Engineering and Computer Science</i> , 2017 , 6, 268	1.6	10
6	Symmetrical Short-Circuit Parameters Comparison of DFIGWT. <i>International Journal of Electrical and Computer Engineering Systems</i> , 2017 , 8, 77-83	0.4	8
5	Performance of De-Energized Polymeric Insulating Material under Various Environment Stresses. <i>Advanced Materials Research</i> , 2012 , 562-564, 60-63	0.5	1
4	Biogas, renewable energy resource for Pakistan. <i>Renewable and Sustainable Energy Reviews</i> , 2011 , 15, 2833-2837	16.2	97
3	Improving the Sharing of Active and Reactive Power of the Islanded Microgrid Based on Load Voltage Control. <i>Smart Science</i> , 1-16	1.5	7
2	Harmonics mitigation for Supercapacitor and Active Power Filter based Double Closed Loop Control. <i>International Journal of Electronics</i> , 1-18	1.2	3
1	Improve Performance of Induction Motor Drive using Weighting Factor approach based Gravitational Search Algorithm. <i>International Journal of Electronics</i> ,	1.2	1