

Muhammad Waseem

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

737
citations

516561

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37
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37
docs citations

37
times ranked

283
citing authors

#	ARTICLE	IF	CITATIONS
1	Bi-Level Coordinated Power System Restoration Model Considering the Support of Multiple Flexible Resources. IEEE Transactions on Power Systems, 2023, 38, 1583-1595.	4.6	12
2	Two-Stage MILP Model for Optimal Skeleton-Network Reconfiguration of Power System for Grid-Resilience Enhancement. Journal of Energy Engineering - ASCE, 2022, 148, .	1.0	9
3	A resonant damping control and analysis for LCL-type grid-connected inverter. Energy Reports, 2022, 8, 911-928.	2.5	15
4	Smart Modular Helmet with an Innovative Information Relaying System. Engineering Proceedings, 2022, 12, .	0.4	0
5	LC Passive Wireless Sensor System Based on Two Switches for Detection of Triple Parameters. Sensors, 2022, 22, 3024.	2.1	3
6	The progress, impact analysis, challenges and new perceptions for electric power and energy sectors in the light of the COVID-19 pandemic. Sustainable Energy, Grids and Networks, 2022, 31, 100728.	2.3	27
7	Review on recent optimization strategies for hybrid renewable energy system with hydrogen technologies: State of the art, trends and future directions. International Journal of Hydrogen Energy, 2022, 47, 25155-25201.	3.8	77
8	Investigation and analysis of effective approaches, opportunities, bottlenecks and future potential capabilities for digitalization of energy systems and sustainable development goals. Electric Power Systems Research, 2022, 211, 108251.	2.1	40
9	Solution of Combined Economic Emission Dispatch Problem Using Improved and Chaotic Population-Based Polar Bear Optimization Algorithm. IEEE Access, 2021, 9, 56152-56167.	2.6	24
10	Optimal day-ahead scheduling of multiple integrated energy systems considering integrated demand response, cooperative game and virtual energy storage. IET Generation, Transmission and Distribution, 2021, 15, 1657-1673.	1.4	41
11	Restrictions and Driving Forces for Renewable Energy Production Development and Electrical Energy Demand in General and During COVID-19. , 2021, , .		7
12	Home Energy Management Strategy for DR Accomplishment Considering PV Uncertainties and Battery Energy Storage System. , 2021, , .		6
13	CSOA-Based Residential Energy Management System in Smart Grid Considering DGs for Demand Response. , 2021, , .		3
14	Optimal BRA based electric demand prediction strategy considering instance -based learning of the forecast factors. International Transactions on Electrical Energy Systems, 2021, 31, e12967.	1.2	17
15	Fuzzy compromised solution-based novel home appliances scheduling and demand response with optimal dispatch of distributed energy resources. Applied Energy, 2021, 290, 116761.	5.1	58
16	Allocation strategy of regulated consumption quota ratio of renewable energy based on game theory. Energy Reports, 2021, 7, 67-74.	2.5	2
17	IoT-Enabled Smart Home Energy Management Strategy for DR Actions in Smart Grid Paradigm. , 2021, , .		17
18	Review on optimization methodologies in transmission network reconfiguration of power systems for grid resilience. International Transactions on Electrical Energy Systems, 2021, 31, e12704.	1.2	36

#	ARTICLE	IF	CITATIONS
19	SPSO Based Optimal Integration of DGs in Local Distribution Systems under Extreme Load Growth for Smart Cities. <i>Electronics (Switzerland)</i> , 2021, 10, 2542.	1.8	25
20	An Efficient FPGA Based Scalar V/f Control Mechanism of Three Phase Induction Motor for Electric Vehicles. , 2021, , .		3
21	Appliance Level Energy Characterization of Residential Electricity Demand: Prospects, Challenges and Recommendations. <i>IEEE Access</i> , 2021, 9, 148676-148697.	2.6	18
22	Technologies and Practical Implementations of Air-conditioner Based Demand Response. <i>Journal of Modern Power Systems and Clean Energy</i> , 2021, 9, 1395-1413.	3.3	27
23	IOT Based Fault Detection and Protection of Power Transformer in the Smart Grid. , 2021, 12, .		2
24	Image Watermarking Approach Using LSB and Laplacian Filter. <i>Journal of Physics: Conference Series</i> , 2021, 2129, 012015.	0.3	1
25	Sustainable protection coordination in presence of distributed generation with distributed network. <i>International Transactions on Electrical Energy Systems</i> , 2020, 30, e12217.	1.2	18
26	A Robust Adaptive Overcurrent Relay Coordination Scheme for Wind-Farm-Integrated Power Systems Based on Forecasting the Wind Dynamics for Smart Energy Systems. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 6318.	1.3	28
27	Optimal GWCSO-based home appliances scheduling for demand response considering end-users comfort. <i>Electric Power Systems Research</i> , 2020, 187, 106477.	2.1	89
28	Towards an Optimal Residential Home Energy Management in Presence of PV Generation, Energy Storage and Home to Grid Energy Exchange Framework. , 2020, , .		15
29	Electrical Demand and its Flexibility in Different Energy Sectors. <i>Electric Power Components and Systems</i> , 2020, 48, 1339-1361.	1.0	21
30	PD Based Cost Effective and Accurate Calorimeter Temperature Control and Measurement System. , 2020, , .		0
31	Systematic Review: A State of Art ML Based Clustering Algorithms for Data Mining. , 2020, , .		2
32	Data-Driven Load Forecasting of Air Conditioners for Demand Response Using Levenberg-Marquardt Algorithm-Based ANN. <i>Big Data and Cognitive Computing</i> , 2019, 3, 36.	2.9	24
33	Charging Load Forecasting of Electric Vehicle Based on Monte Carlo and Deep Learning. , 2019, , .		9
34	Optimal Scheduling of Residential Home Appliances by Considering Energy Storage and Stochastically Modelled Photovoltaics in a Grid Exchange Environment Using Hybrid Grey Wolf Genetic Algorithm Optimizer. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5226.	1.3	41
35	Seasonal Effect on the Flexibility Assessment of Electrical Demand. , 2018, , .		5
36	Low-Cost Feedback Control Thermal Protection System for 3-Phase Distribution Transformer Using Microcontroller. , 2018, , .		9

#	ARTICLE	IF	CITATIONS
37	Flexibility assessment indicator for aggregate residential demand. , 2017, , .		6