

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
times ranked

283
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Review on recent optimization strategies for hybrid renewable energy system with hydrogen technologies: State of the art, trends and future directions. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 25155-25201.	3.8	77
3	Fuzzy compromised solution-based novel home appliances scheduling and demand response with optimal dispatch of distributed energy resources. <i>Applied Energy</i> , 2021, 290, 116761.	5.1	58
4	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
5	Optimal day-ahead scheduling of multiple integrated energy systems considering integrated demand response, cooperative game and virtual energy storage. <i>IET Generation, Transmission and Distribution</i> , 2021, 15, 1657-1673.	1.4	41
6	Investigation and analysis of effective approaches, opportunities, bottlenecks and future potential capabilities for digitalization of energy systems and sustainable development goals. <i>Electric Power Systems Research</i> , 2022, 211, 108251.	2.1	40
7	Review on optimization methodologies in transmission network reconfiguration of power systems for grid resilience. <i>International Transactions on Electrical Energy Systems</i> , 2021, 31, e12704.	1.2	36
8	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
9	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
10	The progress, impact analysis, challenges and new perceptions for electric power and energy sectors in the light of the COVID-19 pandemic. <i>Sustainable Energy, Grids and Networks</i> , 2022, 31, 100728.	2.3	27
11	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
12	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
13	Solution of Combined Economic Emission Dispatch Problem Using Improved and Chaotic Population-Based Polar Bear Optimization Algorithm. <i>IEEE Access</i> , 2021, 9, 56152-56167.	2.6	24
14	Electrical Demand and its Flexibility in Different Energy Sectors. <i>Electric Power Components and Systems</i> , 2020, 48, 1339-1361.	1.0	21
15	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
16	Appliance Level Energy Characterization of Residential Electricity Demand: Prospects, Challenges and Recommendations. <i>IEEE Access</i> , 2021, 9, 148676-148697.	2.6	18
17	Optimal BRA based electric demand prediction strategy considering instance-based learning of the forecast factors. <i>International Transactions on Electrical Energy Systems</i> , 2021, 31, e12967.	1.2	17
18	IoT-Enabled Smart Home Energy Management Strategy for DR Actions in Smart Grid Paradigm. , 2021, , .		17

#	ARTICLE	IF	CITATIONS
19	Towards an Optimal Residential Home Energy Management in Presence of PV Generation, Energy Storage and Home to Grid Energy Exchange Framework. , 2020, , .		15
20	A resonant damping control and analysis for LCL-type grid-connected inverter. Energy Reports, 2022, 8, 911-928.	2.5	15
21	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
22	Low-Cost Feedback Control Thermal Protection System for 3-Phase Distribution Transformer Using Microcontroller. , 2018, , .		9
23	Charging Load Forecasting of Electric Vehicle Based on Monte Carlo and Deep Learning. , 2019, , .		9
24	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
25	Restrictions and Driving Forces for Renewable Energy Production Development and Electrical Energy Demand in General and During COVID-19. , 2021, , .		7
26	Flexibility assessment indicator for aggregate residential demand. , 2017, , .		6
27	Home Energy Management Strategy for DR Accomplishment Considering PV Uncertainties and Battery Energy Storage System. , 2021, , .		6
28	Seasonal Effect on the Flexibility Assessment of Electrical Demand. , 2018, , .		5
29	CSOA-Based Residential Energy Management System in Smart Grid Considering DGs for Demand Response. , 2021, , .		3
30	An Efficient FPGA Based Scalar V/f Control Mechanism of Three Phase Induction Motor for Electric Vehicles. , 2021, , .		3
31	LC Passive Wireless Sensor System Based on Two Switches for Detection of Triple Parameters. Sensors, 2022, 22, 3024.	2.1	3
32	Allocation strategy of regulated consumption quota ratio of renewable energy based on game theory. Energy Reports, 2021, 7, 67-74.	2.5	2
33	Systematic Review: A State of Art ML Based Clustering Algorithms for Data Mining. , 2020, , .		2
34	IOT Based Fault Detection and Protection of Power Transformer in the Smart Grid. , 2021, 12, .		2
35	Image Watermarking Approach Using LSB and Laplacian Filter. Journal of Physics: Conference Series, 2021, 2129, 012015.	0.3	1
36	PD Based Cost Effective and Accurate Calorimeter Temperature Control and Measurement System. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
37	Smart Modular Helmet with an Innovative Information Relaying System. Engineering Proceedings, 2022, 12, .	0.4	0