

Akhtar Hussain

List of Publications by Citations

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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.

63

papers

1,688

citations

20

h-index

40

g-index

70

ext. papers

2,188

ext. citations

5

avg, IF

5.96

L-index

#	Paper	IF	Citations
63	Emerging renewable and sustainable energy technologies: State of the art. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 71, 12-28	16.2	261
62	A Multiagent-Based Hierarchical Energy Management Strategy for Multi-Microgrids Considering Adjustable Power and Demand Response. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 1323-1333	10.7	177
61	Microgrids as a resilience resource and strategies used by microgrids for enhancing resilience. <i>Applied Energy</i> , 2019 , 240, 56-72	10.7	171
60	A Resilient and Privacy-Preserving Energy Management Strategy for Networked Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 2127-2139	10.7	115
59	. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 204-215	10.7	77
58	. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 457-469	10.7	64
57	Robust Optimization-Based Scheduling of Multi-Microgrids Considering Uncertainties. <i>Energies</i> , 2016 , 9, 278	3.1	63
56	Optimal operation of hybrid microgrids for enhancing resiliency considering feasible islanding and survivability. <i>IET Renewable Power Generation</i> , 2017 , 11, 846-857	2.9	60
55	Robust Optimal Operation of AC/DC Hybrid Microgrids Under Market Price Uncertainties. <i>IEEE Access</i> , 2018 , 6, 2654-2667	3.5	55
54	A Proactive and Survivability-Constrained Operation Strategy for Enhancing Resilience of Microgrids Using Energy Storage System. <i>IEEE Access</i> , 2018 , 6, 75495-75507	3.5	42
53	An internal trading strategy for optimal energy management of combined cooling, heat and power in building microgrids. <i>Applied Energy</i> , 2019 , 239, 536-548	10.7	40
52	Optimal Sizing of Battery Energy Storage System in a Fast EV Charging Station Considering Power Outages. <i>IEEE Transactions on Transportation Electrification</i> , 2020 , 6, 453-463	7.6	37
51	Impact of Uncertainties on Resilient Operation of Microgrids: A Data-Driven Approach. <i>IEEE Access</i> , 2019 , 7, 14924-14937	3.5	36
50	Optimal siting and sizing of tri-generation equipment for developing an autonomous community microgrid considering uncertainties. <i>Sustainable Cities and Society</i> , 2017 , 32, 318-330	10.1	35
49	An expert system for acoustic diagnosis of power circuit breakers and on-load tap changers. <i>Expert Systems With Applications</i> , 2015 , 42, 9426-9433	7.8	32
48	Fuzzy Logic-Based Operation of Battery Energy Storage Systems (BESSs) for Enhancing the Resiliency of Hybrid Microgrids. <i>Energies</i> , 2017 , 10, 271	3.1	27
47	Impact of Demand Response Programs on Optimal Operation of Multi-Microgrid System. <i>Energies</i> , 2018 , 11, 1452	3.1	24

46	An Energy Management System With Optimum Reserve Power Procurement Function for Microgrid Resilience Improvement. <i>IEEE Access</i> , 2019 , 7, 42577-42585	3.5	23
45	Optimal Operation of Microgrids Considering Auto-Configuration Function Using Multiagent System. <i>Energies</i> , 2017 , 10, 1484	3.1	23
44	Optimal Energy Management of Combined Cooling, Heat and Power in Different Demand Type Buildings Considering Seasonal Demand Variations. <i>Energies</i> , 2017 , 10, 789	3.1	20
43	. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 2268-2279	11.9	17
42	Diffusion Strategy-Based Distributed Operation of Microgrids Using Multiagent System. <i>Energies</i> , 2017 , 10, 903	3.1	16
41	Q-Learning-Based Operation Strategy for Community Battery Energy Storage System (CBESS) in Microgrid System. <i>Energies</i> , 2019 , 12, 1789	3.1	15
40	. <i>IEEE Transactions on Sustainable Energy</i> , 2018 , 9, 1636-1647	8.2	15
39	. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 3474-3485	10.7	14
38	A Hybrid Framework for Adaptive Protection of Microgrids Based on IEC 61850. <i>International Journal of Smart Home</i> , 2016 , 10, 285-296	0	13
37	N-version programming-based protection scheme for microgrids: A multi-agent system based approach. <i>Sustainable Energy, Grids and Networks</i> , 2016 , 6, 35-45	3.6	13
36	Stationary Energy Storage System for Fast EV Charging Stations: Simultaneous Sizing of Battery and Converter. <i>Energies</i> , 2019 , 12, 4516	3.1	13
35	Impact Analysis of Survivability-Oriented Demand Response on Islanded Operation of Networked Microgrids with High Penetration of Renewables. <i>Energies</i> , 2019 , 12, 452	3.1	12
34	Impact Analysis of Demand Response Intensity and Energy Storage Size on Operation of Networked Microgrids. <i>Energies</i> , 2017 , 10, 882	3.1	12
33	Adaptive Robust Optimization-Based Optimal Operation of Microgrids Considering Uncertainties in Arrival and Departure Times of Electric Vehicles. <i>Energies</i> , 2018 , 11, 2646	3.1	12
32	Limitations in Energy Management Systems: A Case Study for Resilient Interconnected Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 5675-5685	10.7	11
31	EV Prioritization and Power Allocation During Outages: A Lexicographic Method-Based Multiobjective Optimization Approach. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 7, 2474-2487	7.6	10
30	Optimal Operation of Tri-Generation Microgrids Considering Demand Uncertainties. <i>International Journal of Smart Home</i> , 2016 , 10, 131-144	0	9
29	Optimal Operation of Networked Microgrids for Enhancing Resilience Using Mobile Electric Vehicles. <i>Energies</i> , 2021 , 14, 142	3.1	8

28	Harmonic Analysis of Grid-Connected Solar PV Systems with Nonlinear Household Loads in Low-Voltage Distribution Networks. <i>Sustainability</i> , 2021 , 13, 3709	3.6	8
27	Optimal Operation of Wind Farm for Reducing Power Deviation Considering Grid-Code Constraints and Events. <i>IEEE Access</i> , 2019 , 7, 139058-139068	3.5	7
26	Stationary Energy Storage System for Fast EV Charging Stations: Optimality Analysis and Results Validation. <i>Energies</i> , 2020 , 13, 230	3.1	7
25	Welfare Maximization-Based Distributed Demand Response for Isolated Multi-Microgrid Networks Using Diffusion Strategy. <i>Energies</i> , 2019 , 12, 3701	3.1	7
24	Optimal Energy Management of Building Microgrid Networks in Isolated Mode Considering Adjustable Power and Component Outages. <i>Energies</i> , 2018 , 11, 2351	3.1	7
23	Heuristic optimisation-based sizing and siting of DGs for enhancing resiliency of autonomous microgrid networks. <i>IET Smart Grid</i> , 2019 , 2, 269-282	2.7	6
22	Consensus Algorithm-Based Distributed Operation of Microgrids During Grid-Connected and Isolated Modes. <i>IEEE Access</i> , 2020 , 8, 78151-78165	3.5	6
21	Demand Bidding and Real-Time Pricing-Based Optimal Operation of Multi-Microgrids. <i>International Journal of Smart Home</i> , 2016 , 10, 193-208	0	6
20	A Novel Algorithm for Reducing Restoration Time in Smart Distribution Systems Utilizing Reclosing Dead Time. <i>Journal of Electrical Engineering and Technology</i> , 2014 , 9, 1805-1811	1.4	6
19	Goal-Programming-Based Multi-Objective Optimization in Off-Grid Microgrids. <i>Sustainability</i> , 2020 , 12, 8119	3.6	6
18	Analytical Hybrid Particle Swarm Optimization Algorithm for Optimal Siting and Sizing of Distributed Generation in Smart Grid. <i>Journal of Modern Power Systems and Clean Energy</i> , 2020 , 8, 1221-1230	4	6
17	A Multi-Agent System-Based Approach for Optimal Operation of Building Microgrids with Rooftop Greenhouse. <i>Energies</i> , 2018 , 11, 1876	3.1	6
16	An Optimal Energy Management Strategy for Thermally Networked Microgrids in Grid-Connected Mode. <i>International Journal of Smart Home</i> , 2016 , 10, 239-258	0	5
15	A standards-based approach for Auto-drawing single line diagram of multivendor smart distribution systems. <i>International Journal of Electrical Power and Energy Systems</i> , 2018 , 96, 357-367	5.1	5
14	Multi-Objective Optimization for Determining Trade-Off between Output Power and Power Fluctuations in Wind Farm System. <i>Energies</i> , 2019 , 12, 4242	3.1	4
13	Resilience Enhancement Strategies For and Through Electric Vehicles. <i>Sustainable Cities and Society</i> , 2022 , 80, 103788	10.1	4
12	Line Security Evaluation of WANS Considering Protectability of Relays and Vulnerability of Lines. <i>Journal of Electrical Engineering and Technology</i> , 2014 , 9, 1864-1872	1.4	3
11	Multi-Objective Stochastic Optimization for Determining Set-Point of Wind Farm System. <i>Sustainability</i> , 2021 , 13, 624	3.6	3

10	Evaluation of Multi-Objective Optimization Techniques for Resilience Enhancement of Electric Vehicles. <i>Electronics (Switzerland)</i> , 2021 , 10, 3030	2.6	2
9	Reliability-as-a-Service Usage of Electric Vehicles: Suitability Analysis for Different Types of Buildings. <i>Energies</i> , 2022 , 15, 665	3.1	2
8	Hybrid Energy Management System for Operation of Wind Farm System Considering Grid-Code Constraints. <i>Energies</i> , 2019 , 12, 4672	3.1	2
7	A Survey on Particle Swarm Optimization for Use in Distributed Generation Placement and Sizing. <i>MATEC Web of Conferences</i> , 2016 , 70, 10013	0.3	1
6	Fairness and Utilitarianism in Allocating Energy to EVs during Power Contingencies Using Modified Division Rules. <i>IEEE Transactions on Sustainable Energy</i> , 2022 , 1-1	8.2	1
5	An Algorithm to Enhance the Profit Margin of Electric Vehicle Owners and Resilience of Multi-microgrid Using EV. <i>Journal of Electrical Engineering and Technology</i> , 1	1.4	1
4	A Dynamic Internal Trading Price Strategy for Networked Microgrids: A Deep Reinforcement Learning Based Game-Theoretic Approach. <i>IEEE Transactions on Smart Grid</i> , 2022 , 1-1	10.7	1
3	Deep reinforcement learning-based operation of fast charging stations coupled with energy storage system. <i>Electric Power Systems Research</i> , 2022 , 210, 108087	3.5	1
2	Optimal Sizing of Energy Storage System for Operation of Wind Farms Considering Grid-Code Constraints. <i>Energies</i> , 2021 , 14, 5478	3.1	0
1	Optimal Operation of Building Microgrids with Rooftop Greenhouse Under Component Outages in Islanded Mode. <i>Energies</i> , 2019 , 12, 1930	3.1	