Md. Alamgir Hossain

List of Publications by Year
in descending order

41 papers	1,670 citations	393982 19 h-index	454577 30 g-index
43 all docs	43 docs citations	43 times ranked	1420 citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Operation of an Integrated Hybrid Renewable Energy System with Demand-Side Management in a Rural Context. Energies, 2022, 15, 5176.	1.6	11
2	Frequency Stabilization of AC Microgrid Clusters: An Efficient Fractional Order Supercapacitor Controller Approach. Energies, 2022, 15, 5179.	1.6	7
3	A comparative analysis to forecast carbon dioxide emissions. Energy Reports, 2022, 8, 8046-8060.	2.5	24
4	Techno-Economic and Power System Optimization of a Renewable Rich Islanded Microgrid Considering Different Dispatch Strategies. IEEE Access, 2021, 9, 77325-77340.	2.6	43
5	High-Level Renewable Energy Integrated System Frequency Control with SMES-Based Optimized Fractional Order Controller. Electronics (Switzerland), 2021, 10, 511.	1.8	16
6	Energy management of community energy storage in grid-connected microgrid under uncertain real-time prices. Sustainable Cities and Society, 2021, 66, 102658.	5.1	56
7	Very short-term forecasting of wind power generation using hybrid deep learning model. Journal of Cleaner Production, 2021, 296, 126564.	4.6	75
8	An improved gaining-sharing knowledge algorithm for parameter extraction of photovoltaic models. Energy Conversion and Management, 2021, 237, 114030.	4.4	39
9	Intelligent energy management: Evolving developments, current challenges, and research directions for sustainable future. Journal of Cleaner Production, 2021, 314, 127904.	4.6	24
10	Feasibility and techno-economic analysis of stand-alone and grid-connected PV/Wind/Diesel/Batt hybrid energy system: A case study. Energy Strategy Reviews, 2021, 37, 100673.	3.3	86
11	Forecasting Daily Electricity Price by Hybrid Model of Fractional Wavelet Transform, Feature Selection, Support Vector Machine and Optimization Algorithm. Electronics (Switzerland), 2021, 10, 2214.	1.8	6
12	Predicting Wind Power Generation Using Hybrid Deep Learning With Optimization. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-5.	1.1	32
13	Optimal feedback path selection for interconnected power systems using load frequency control strategy. IET Generation, Transmission and Distribution, 2021, 15, 619-630.	1.4	1
14	Techno-Economic and Environmental Assessment of the Hybrid Energy System Considering Electric and Thermal Loads. Electronics (Switzerland), 2021, 10, 3136.	1.8	3
15	Optimal Placement of Reclosers in a Radial Distribution System for Reliability Improvement. Electronics (Switzerland), 2021, 10, 3182.	1.8	7
16	Exploration and corrective measures of greenhouse gas emission from fossil fuel power stations for Bangladesh. Journal of Cleaner Production, 2020, 244, 118645.	4.6	145
17	Development of Home Energy Management Scheme for a Smart Grid Community. Energies, 2020, 13, 4288.	1.6	22
18	Analysis of Using Biogas Resources for Electric Vehicle Charging in Bangladesh: A Techno-Economic-Environmental Perspective. Sustainability, 2020, 12, 2579.	1.6	37

#	Article	IF	Citations
19	Development of Cluster-Based Energy Management Scheme for Residential Usages in the Smart Grid Community. Electronics (Switzerland), 2020, 9, 1462.	1.8	8
20	Energy scheduling of community microgrid with battery cost using particle swarm optimisation. Applied Energy, 2019, 254, 113723.	5.1	110
21	Modeling and Simulation of Inverter based Distributed Generators for Renewable Energy Integration. IFAC-PapersOnLine, 2019, 52, 30-35.	0.5	1
22	Real-time Battery Energy Management for Residential Solar Power System. IFAC-PapersOnLine, 2019, 52, 407-412.	0.5	7
23	Energy management of community microgrids considering degradation cost of battery. Journal of Energy Storage, 2019, 22, 257-269.	3.9	90
24	Evolution of microgrids with converter-interfaced generations: Challenges and opportunities. International Journal of Electrical Power and Energy Systems, 2019, 109, 160-186.	3.3	206
25	Nonlinear Output Feedback Droop Control for Parallel Inverters in Standalone Microgrids. , 2019, , .		3
26	Comparative Analysis of Energy Management for Community Microgrids. , 2019, , .		0
27	Optimal Energy Scheduling of Residential Building with Battery Cost. , 2019, , .		2
28	Modified PSO algorithm for real-time energy management in grid-connected microgrids. Renewable Energy, 2019, 136, 746-757.	4.3	213
29	Feasibility assessment & design of hybrid renewable energy based electric vehicle charging station in Bangladesh. Sustainable Cities and Society, 2018, 39, 189-202.	5.1	116
30	Active power management in a low-voltage islanded microgrid. International Journal of Electrical Power and Energy Systems, 2018, 98, 36-47.	3.3	34
31	Protection of Inverter-based Distributed Generation with Series Dynamic Braking Resistor: A Variable Duty Control Approach. , 2018, , .		11
32	DC-link voltage regulation of inverters to enhance microgrid stability during network contingencies. Electric Power Systems Research, 2017, 147, 233-244.	2.1	33
33	Overview of AC Microgrid Controls with Inverter-Interfaced Generations. Energies, 2017, 10, 1300.	1.6	151
34	Improved Load Frequency Control Using a Fast Acting Active Disturbance Rejection Controller. Energies, 2017, 10, 1718.	1.6	12
35	Over-voltage limiter of an inverter to improve microgrid reliability during unpredictable cases. , 2016, , .		1
36	Proportional reactive power sharing for islanded microgrids. , 2016, , .		6

#	Article	IF	Citations
37	Active power control in an islanded microgrid using DC link voltage status. , 2015, , .		5
38	Effective power sharing approach for islanded microgrids. , 2015, , .		7
39	Droop Control for islanded microgrids with compensating approach. , 2015, , .		10
40	Primary voltage control of a single-phase inverter using linear quadratic regulator with integrator. , 2015, , .		5
41	Study and protection of lightning overvoltage on DC cables of solar power generation. , 2014, , .		3