Shafiullah A Hossain

List of Publications by Year
in descending order

79	1,627	393982 19	344852 36
papers	citations	h-index	g-index

89	89	89	1049
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Grid Integration Challenges of Wind Energy: A Review. IEEE Access, 2020, 8, 10857-10878.	2.6	234
2	Investigation of MPPT Techniques Under Uniform and Non-Uniform Solar Irradiation Conditionâ€“A Retrospection. IEEE Access, 2020, 8, 127368-127392.	2.6	146
3	Grid Integration Challenges and Solution Strategies for Solar PV Systems: A Review. IEEE Access, 2022, 10, 52233-52257.	2.6	96
4	S-Transform Based FFNN Approach for Distribution Grids Fault Detection and Classification. IEEE Access, 2018, 6, 8080-8088.	2.6	88
5	Waveletâ€based extreme learning machine for distribution grid fault location. IET Generation, Transmission and Distribution, 2017, 11, 4256-4263.	1.4	79
6	A Review on Distribution Grid Fault Location Techniques. Electric Power Components and Systems, 2017, 45, 807-824.	1.0	60
7	Levenbergâ€“Marquardt neural network to estimate UPFC-coordinated PSS parameters to enhance power system stability. Neural Computing and Applications, 2019, 31, 1237-1248.	3.2	51
8	Distribution Grids Fault Location employing ST based Optimized Machine Learning Approach. Energies, 2018, 11, 2328.	1.6	46
9	Greenhouse gas emissions from energy sector in the United Arab Emirates â€“ An overview. Renewable and Sustainable Energy Reviews, 2016, 59, 1317-1325.	8.2	37
10	Online tuning of power system stabilizer employing genetic programming for stability enhancement. Journal of Electrical Systems and Information Technology, 2018, 5, 287-299.	1.2	36
11	Low-frequency oscillation damping in the electric network through the optimal design of UPFC coordinated PSS employing MGGP. Measurement: Journal of the International Measurement Confederation, 2019, 138, 118-131.	2.5	36
12	Review of Online and Soft Computing Maximum Power Point Tracking Techniques under Non-Uniform Solar Irradiation Conditions. Energies, 2020, 13, 3256.	1.6	36
13	A modified optimal PMU placement problem formulation considering channel limits under various contingencies. Measurement: Journal of the International Measurement Confederation, 2019, 135, 875-885.	2.5	34
14	Application of Machine Learning for Fault Classification and Location in a Radial Distribution Grid. Applied Sciences (Switzerland), 2020, 10, 4965.	1.3	34
15	Neurogenetic modeling of energy demand in the United Arab Emirates, Saudi Arabia, and Qatar. Environmental Progress and Sustainable Energy, 2017, 36, 1208-1216.	1.3	26
16	Design of robust PSS in multimachine power systems using backtracking search algorithm. , 2015, , .		24
17	Role of spatial analysis technology in power system industry: An overview. Renewable and Sustainable Energy Reviews, 2016, 66, 584-595.	8.2	23
18	Shape-Stabilized Phase Change Material for Solar Thermal Energy Storage: CaO Containing MgCO‹sub›3‹/sub› Mixed with Polyethylene Glycol. Energy & Fuels, 2019, 33, 12041-12051.	2.5	23

#	Article	IF	Citations
19	Enhancement of power system damping employing TCSC with genetic algorithm based controller design. , 2015, , .		22
20	An Improved OPP Problem Formulation for Distribution Grid Observability. Energies, 2018, 11, 3069.	1.6	22
21	Design and implementation of MPPT controlled grid connected photovoltaic system. , 2011, , .		21
22	Electricity Generation in Saudi Arabia: Tracing Opportunities and Challenges to Reducing Greenhouse Gas Emissions. IEEE Access, 2021, 9, 116163-116182.	2.6	21
23	Renewable Portfolio Standard Development Assessment in the Kingdom of Saudi Arabia from the Perspective of Policy Networks Theory. Processes, 2021, 9, 1123.	1.3	21
24	Stability enhancement of PSS-UPFC installed power system by support vector regression. Electrical Engineering, 2018, 100, 1601-1612.	1.2	21
25	Travel-To-School Mode Choice Modelling Employing Artificial Intelligence Techniques: A Comparative Study. Sustainability, 2019, 11, 4484.	1.6	20
26	Power system stability enhancement by designing optimal PSS employing backtracking search algorithm. , 2017, , .		19
27	Optimized support vector machine & wavelet transform for distribution grid fault location. , 2017, , .		17
28	Soft Computing Applications in Air Quality Modeling: Past, Present, and Future. Sustainability, 2020, 12, 4045.	1.6	17
29	DC Microgrid Energy Management with Hybrid Energy Storage Systems. , 2019, , .		16
30	High-Level Renewable Energy Integrated System Frequency Control with SMES-Based Optimized Fractional Order Controller. Electronics (Switzerland), 2021, 10, 511.	1.8	16
31	Neurogenetic approach for real-time damping of low-frequency oscillations in electric networks. Computers and Electrical Engineering, 2020, 83, 106600.	3.0	15
32	Application of TCSC and SVC in damping oscillations in Bangladesh Power System. , 2012, , .		14
33	Classification of power quality disturbances using Wavelet Transform and Optimized ANN. , 2015, , .		14
34	Maximizing the profit of a load aggregator by optimal scheduling of day ahead load with EVs. , 2015, , .		14
35	VSC Controllers for Multiterminal HVDC Transmission System: A Comparative Study. Arabian Journal for Science and Engineering, 2020, 45, 6411-6422.	1.7	13
36	Adaptive Nonsingular Fast Terminal Sliding Mode Control for Maximum Power Point Tracking of a WECS-PMSG. Sustainability, 2021, 13, 13427.	1.6	12

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37	Design of multi-objective UPFC employing backtracking search algorithm for enhancement of power system stability. , 2015, , .		11
38	Design and Implementation of an Intelligent Single Line to Ground Fault Locator for Distribution Feeders. , 2019, , .		11
39	Profit maximization planning of a Load Aggregator using Electric Vehicles through optimal scheduling of day ahead load. , 2015, , .		10
40	Switching signal reduction of load aggregator with optimal dispatch of electric vehicle performing V2G regulation service. , 2016, , .		10
41	Extreme learning machine for real-time damping of LFO in power system networks. Electrical Engineering, 2021, 103, 279-292.	1.2	10
42	Transient performance improvement of power system by optimal design of SVC controller employing genetic algorithm. , 2014, , .		9
43	Study of impacts on operation of island and frequency based auto load shedding to improve service reliability using CYME PSAF. , 2012, , .		8
44	Power system stability enhancement through optimal design of PSS employing PSO. , 2017, , .		8
45	Intelligent fault diagnosis for distribution grid considering renewable energy intermittency. Neural Computing and Applications, 2022, 34, 16473-16492.	3.2	8
46	Optimal placement of Phasor Measurement Units for transmission grid observability. , 2016, , .		7
47	Online Monitoring of Inter-Area Oscillations and damping of Power systems employing Prony Analysis. , 2018, , .		7
48	Smart Fault Detection and Classification for Distribution Grid Hybridizing ST and MLP-NN. , 2018, , .		7
49	Real-Time LFO Damping Enhancement in Electric Networks Employing PSO Optimized ANFIS. Inventions, 2020, 5, 61.	1.3	7
50	Artificial intelligence techniques. , 2022, , 69-100.		7
51	Frequency Stabilization of AC Microgrid Clusters: An Efficient Fractional Order Supercapacitor Controller Approach. Energies, 2022, 15, 5179.	1.6	7
52	The study of dependency of power system stability on system inertia constant for various contingencies. , 2014, , .		6
53	A Multigene Genetic Programming approach for modeling effect of particle size in a liquidâ€“solid circulating fluidized bed reactor. Chemical Engineering Research and Design, 2018, 134, 370-381.	2.7	6
54	Renewable Portfolio Standard from the Perspective of Policy Network Theory for Saudi Arabia Vision 2030 Targets. , 2021, , .		6

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55	Water-Energy-Food Nexus Approach to Assess Crop Trading in Saudi Arabia. Sustainability, 2022, 14, 3494.	1.6	6
56	Power maximization of a photovoltaic system using automatic solar panel tracking along with boost converter and charge controller. , 2012, , .		5
57	Impact of sizes of islands on the stability of a faulted power system. , 2015, , .		5
58	Designing Lead-Lag PSS Employing Backtracking Search Algorithm to Improve Power System Damping. , 2017, , .		5
59	Selecting energy storage systems with wind power in distribution network. , 2016, , .		4
60	Smart grid fault diagnosis under load and renewable energy uncertainty. , 2022, , 293-346.		4
61	Metaheuristic optimization techniques. , 2022, , 27-68.		4
62	Intelligent fault diagnosis technique for distribution grid. , 2022, , 249-292.		4
63	Optimal Design of a Hybrid Solar PV/BG-Powered Heterogeneous Network. Sustainability, 2022, 14, 2201.	1.6	4
64	Impact study on a load rich island and development of frequency based auto load shedding scheme to improve service reliability of the island. , 2014, , .		3
65	Backtracking Search Algorithm for PV Module Electrical Parameter Estimation. , 2021, , .		3
66	Impact study of a generation rich island and development of auto load shedding scheme to improve service reliability. , 2014, , .		2
67	Asynchronous Induction Motor Speed Control Using Takagi-Sugeno Fuzzy Logic. , 2018, , .		2
68	LaCO3OH Nanoprisms and Their Luminescence and NO Reduction Properties. Catalysts, 2020, 10, 394.	1.6	2
69	Determination of transmission reliability margin for brownout. AIMS Energy, 2021, 9, 1009-1026.	1.1	1
70	An Intelligent Approach for Power Quality Events Detection and Classification. , 2021, , .		1
71	Induction Motor Speed Control Employing LM-NN Based Adaptive PI Controller. Renewable Energy and Power Quality Journal, 0, 18, 97-102.	0.2	1
72	Improved optimal phasor measurement unit placement formulation for power system observability. , 2022, , 121-142.		1

#	Article	IF	Citations
73	Low-Frequency Inter-Area Mode Detection in Power System using Continuous Wavelet Transform. , 2018, , .		0
74	Advanced signal processing techniques for feature extraction. , 2022, , 101-120.		0
75	Fault diagnosis in three-terminal power transmission lines. , 2022, , 195-222.		0
76	Fault diagnosis in two-terminal power transmission lines. , 2022, , 159-194.		0
77	Utility practices on fault location. , 2022, , 347-396.		0
78	Fault diagnosis in series compensated power transmission lines. , 2022, , 223-248.		0
79	Transmission line parameter and system Thevenin equivalent identification. , 2022, , 143-158.		0