Shafiullah A Hossain

List of Publications by Year
in descending order

79	1,627	394286	345118
papers	citations	19 h-index	36 g-index

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

#	Article	IF	Citations
1	Advanced signal processing techniques for feature extraction. , 2022, , 101-120.		0
2	Fault diagnosis in three-terminal power transmission lines. , 2022, , 195-222.		0
3	Smart grid fault diagnosis under load and renewable energy uncertainty. , 2022, , 293-346.		4
4	Fault diagnosis in two-terminal power transmission lines. , 2022, , 159-194.		0
5	Metaheuristic optimization techniques. , 2022, , 27-68.		4
6	Improved optimal phasor measurement unit placement formulation for power system observability. , 2022, , 121-142.		1
7	Utility practices on fault location. , 2022, , 347-396.		0
8	Intelligent fault diagnosis technique for distribution grid. , 2022, , 249-292.		4
9	Fault diagnosis in series compensated power transmission lines. , 2022, , 223-248.		0
10	Transmission line parameter and system Thevenin equivalent identification. , 2022, , 143-158.		0
11	Artificial intelligence techniques. , 2022, , 69-100.		7
12	Optimal Design of a Hybrid Solar PV/BG-Powered Heterogeneous Network. Sustainability, 2022, 14, 2201.	1.6	4
13	Water-Energy-Food Nexus Approach to Assess Crop Trading in Saudi Arabia. Sustainability, 2022, 14, 3494.	1.6	6
14	Grid Integration Challenges and Solution Strategies for Solar PV Systems: A Review. IEEE Access, 2022, 10, 52233-52257.	2.6	96
15	Intelligent fault diagnosis for distribution grid considering renewable energy intermittency. Neural Computing and Applications, 2022, 34, 16473-16492.	3.2	8
16	Frequency Stabilization of AC Microgrid Clusters: An Efficient Fractional Order Supercapacitor Controller Approach. Energies, 2022, 15, 5179.	1.6	7
17	Extreme learning machine for real-time damping of LFO in power system networks. Electrical Engineering, 2021, 103, 279-292.	1.2	10
18	Electricity Generation in Saudi Arabia: Tracing Opportunities and Challenges to Reducing Greenhouse Gas Emissions. IEEE Access, 2021, 9, 116163-116182.	2.6	21

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19	Determination of transmission reliability margin for brownout. AIMS Energy, 2021, 9, 1009-1026.	1.1	1
20	High-Level Renewable Energy Integrated System Frequency Control with SMES-Based Optimized Fractional Order Controller. Electronics (Switzerland), 2021, 10, 511.	1.8	16
21	Renewable Portfolio Standard from the Perspective of Policy Network Theory for Saudi Arabia Vision 2030 Targets. , 2021, , .		6
22	An Intelligent Approach for Power Quality Events Detection and Classification. , 2021, , .		1
23	Backtracking Search Algorithm for PV Module Electrical Parameter Estimation. , 2021, , .		3
24	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
25	Adaptive Nonsingular Fast Terminal Sliding Mode Control for Maximum Power Point Tracking of a WECS-PMSG. Sustainability, 2021, 13, 13427.	1.6	12
26	Grid Integration Challenges of Wind Energy: A Review. IEEE Access, 2020, 8, 10857-10878.	2.6	234
27	Application of Machine Learning for Fault Classification and Location in a Radial Distribution Grid. Applied Sciences (Switzerland), 2020, 10, 4965.	1.3	34
28	Soft Computing Applications in Air Quality Modeling: Past, Present, and Future. Sustainability, 2020, 12, 4045.	1.6	17
29	Review of Online and Soft Computing Maximum Power Point Tracking Techniques under Non-Uniform Solar Irradiation Conditions. Energies, 2020, 13, 3256.	1.6	36
30	Real-Time LFO Damping Enhancement in Electric Networks Employing PSO Optimized ANFIS. Inventions, 2020, 5, 61.	1.3	7
31	Investigation of MPPT Techniques Under Uniform and Non-Uniform Solar Irradiation Conditionâ€“A Retrospection. IEEE Access, 2020, 8, 127368-127392.	2.6	146
32	Neurogenetic approach for real-time damping of low-frequency oscillations in electric networks. Computers and Electrical Engineering, 2020, 83, 106600.	3.0	15
33	LaCO3OH Nanoprisms and Their Luminescence and NO Reduction Properties. Catalysts, 2020, 10, 394.	1.6	2
34	VSC Controllers for Multiterminal HVDC Transmission System: A Comparative Study. Arabian Journal for Science and Engineering, 2020, 45, 6411-6422.	1.7	13
35	Travel-To-School Mode Choice Modelling Employing Artificial Intelligence Techniques: A Comparative Study. Sustainability, 2019, 11, 4484.	1.6	20
36	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

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37	Design and Implementation of an Intelligent Single Line to Ground Fault Locator for Distribution Feeders. , 2019, , .		11
38	Shape-Stabilized Phase Change Material for Solar Thermal Energy Storage: CaO Containing MgCO₃ Mixed with Polyethylene Glycol. Energy & Fuels, 2019, 33, 12041-12051.	2.5	23
39	DC Microgrid Energy Management with Hybrid Energy Storage Systems. , 2019, , .		16
40	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
41	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
42	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
43	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
44	S-Transform Based FFNN Approach for Distribution Grids Fault Detection and Classification. IEEE Access, 2018, 6, 8080-8088.	2.6	88
45	Online Monitoring of Inter-Area Oscillations and damping of Power systems employing Prony Analysis. , 2018, , .		7
46	Asynchronous Induction Motor Speed Control Using Takagi-Sugeno Fuzzy Logic. , 2018, , .		2
47	An Improved OPP Problem Formulation for Distribution Grid Observability. Energies, 2018, 11, 3069.	1.6	22
48	Low-Frequency Inter-Area Mode Detection in Power System using Continuous Wavelet Transform. , 2018, , .		0
49	Distribution Grids Fault Location employing ST based Optimized Machine Learning Approach. Energies, 2018, 11, 2328.	1.6	46
50	Smart Fault Detection and Classification for Distribution Grid Hybridizing ST and MLP-NN. , 2018, , .		7
51	Stability enhancement of PSS-UPFC installed power system by support vector regression. Electrical Engineering, 2018, 100, 1601-1612.	1.2	21
52	Optimized support vector machine & wavelet transform for distribution grid fault location. , 2017, , .		17
53	A Review on Distribution Grid Fault Location Techniques. Electric Power Components and Systems, 2017, 45, 807-824.	1.0	60
54	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

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55	Power system stability enhancement by designing optimal PSS employing backtracking search algorithm. , 2017, , .		19
56	Waveletâ€based extreme learning machine for distribution grid fault location. IET Generation, Transmission and Distribution, 2017, 11, 4256-4263.	1.4	79
57	Power system stability enhancement through optimal design of PSS employing PSO. , 2017, , .		8
58	Designing Lead-Lag PSS Employing Backtracking Search Algorithm to Improve Power System Damping. , 2017, , .		5
59	Switching signal reduction of load aggregator with optimal dispatch of electric vehicle performing V2G regulation service. , 2016, , .		10
60	Optimal placement of Phasor Measurement Units for transmission grid observability. , 2016, , .		7
61	Selecting energy storage systems with wind power in distribution network. , 2016, , .		4
62	Role of spatial analysis technology in power system industry: An overview. Renewable and Sustainable Energy Reviews, 2016, 66, 584-595.	8.2	23
63	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
64	Design of multi-objective UPFC employing backtracking search algorithm for enhancement of power system stability. , 2015, , .		11
65	Classification of power quality disturbances using Wavelet Transform and Optimized ANN. , 2015, , .		14
66	Impact of sizes of islands on the stability of a faulted power system. , 2015, , .		5
67	Enhancement of power system damping employing TCSC with genetic algorithm based controller design. , 2015, , .		22
68	Profit maximization planning of a Load Aggregator using Electric Vehicles through optimal scheduling of day ahead load. , 2015, , .		10
69	Design of robust PSS in multimachine power systems using backtracking search algorithm. , 2015, , .		24
70	Maximizing the profit of a load aggregator by optimal scheduling of day ahead load with EVs. , 2015, , .		14
71	Impact study of a generation rich island and development of auto load shedding scheme to improve service reliability. , 2014, , .		2
72	Transient performance improvement of power system by optimal design of SVC controller employing genetic algorithm. , 2014, , .		9

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73	The study of dependency of power system stability on system inertia constant for various contingencies. , 2014, , .		6
74	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
75	Study of impacts on operation of island and frequency based auto load shedding to improve service reliability using CYME PSAF. , 2012, , .		8
76	Application of TCSC and SVC in damping oscillations in Bangladesh Power System. , 2012, , .		14
77	Power maximization of a photovoltaic system using automatic solar panel tracking along with boost converter and charge controller. , 2012, , .		5
78	Design and implementation of MPPT controlled grid connected photovoltaic system. , 2011, , .		21
79	Induction Motor Speed Control Employing LM-NN Based Adaptive PI Controller. Renewable Energy and Power Quality Journal, 0, 18, 97-102.	0.2	1