Mohd Wazir Mustafa

List of Publications by Year
in descending order

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36 papers	553 citations	687363 13 h-index	677142 22 g-index
36 all docs	36 docs citations	36 times ranked	437 citing authors

#	Article	IF	Citations
1	Electric theft detection in advanced metering infrastructure using Jaya optimized combined Kernelâ€Tree boosting classifierâ€"A novel sequentially executed supervised machine learning approach. IET Generation, Transmission and Distribution, 2022, 16, 1257-1275.	2.5	6
2	Assessment of the influence of wind energy incorporated capacity benefit margin in ATC computation. International Journal of Applied Power Engineering (IJAPE), 2022, 11, 145.	0.2	1
3	Improving Transient Behavior of a Brushless Doubly Fed Induction Generator through Reactive Current Control of Grid-Side Converter. Electronics (Switzerland), 2021, 10, 1413.	3.1	5
4	A systematic approach for evaluating the accuracy of overhead line fault location using the traveling wave method. , 2021, , .		0
5	A Novel Feature-Engineeredâ€"NGBoost Machine-Learning Framework for Fraud Detection in Electric Power Consumption Data. Sensors, 2021, 21, 8423.	3.8	11
6	Dynamic response enhancement of gridâ€tied ac microgrid using salp swarm optimization algorithm. International Transactions on Electrical Energy Systems, 2020, 30, e12321.	1.9	18
7	A hybrid voltageâ€current compensator using a synchronous reference frame technique for gridâ€connected microgrid under nonlinear load conditions. International Transactions on Electrical Energy Systems, 2020, 30, e12530.	1.9	5
8	An Efficient Boosted C5.0 Decision-Tree-Based Classification Approach for Detecting Non-Technical Losses in Power Utilities. Energies, 2020, 13, 3242.	3.1	23
9	Computational Intelligence-Based Optimization Methods for Power Quality and Dynamic Response Enhancement of ac Microgrids. Energies, 2020, 13, 4063.	3.1	13
10	Detection of Non-Technical Losses in Power Utilitiesâ€"A Comprehensive Systematic Review. Energies, 2020, 13, 4727.	3.1	28
11	A novel unsupervised featureâ€based approach for electricity theft detection using robust <scp>PCA</scp> and outlier removal clustering algorithm. International Transactions on Electrical Energy Systems, 2020, 30, e12572.	1.9	11
12	An Adjusted Weight Metric to Quantify Flexibility Available in Conventional Generators for Low Carbon Power Systems. Energies, 2020, 13, 5658.	3.1	3
13	Swarm Intelligence-Based Optimization Techniques for Dynamic Response and Power Quality Enhancement of AC Microgrids: A Comprehensive Review. IEEE Access, 2020, 8, 75986-76001.	4.2	42
14	Ensemble Bagged Tree Based Classification for Reducing Non-Technical Losses in Multan Electric Power Company of Pakistan. Electronics (Switzerland), 2019, 8, 860.	3.1	61
15	Optimal Power Flow Controller for Grid-Connected Microgrids using Grasshopper Optimization Algorithm. Electronics (Switzerland), 2019, 8, 111.	3.1	41
16	A critical review of the stateâ€ofâ€art schemes for under voltage load shedding. International Transactions on Electrical Energy Systems, 2019, 29, e2828.	1.9	36
17	Monitoring Fault Diagnosis Based on Phasor Measurement Unit at Wide Area Systems. , 2019, , .		1
18	Electricity theft detection by sources of threats for smart city planning. IET Smart Cities, 2019, 1, 52-60.	3.1	22

#	Article	IF	Citations
19	Salp Swarm Optimization Algorithm-Based Controller for Dynamic Response and Power Quality Enhancement of an Islanded Microgrid. Processes, 2019, 7, 840.	2.8	36
20	Improved Grey Wolf Optimization Algorithm for Overcurrent Relays Coordination. , 2018, , .		1
21	Optimal Voltage and Frequency Control of an Islanded Microgrid using Grasshopper Optimization Algorithm. Energies, 2018, 11, 3191.	3.1	66
22	Regulation of Voltage and Frequency in Solid Oxide Fuel Cell-Based Autonomous Microgrids Using the Whales Optimisation Algorithm. Energies, 2018, 11, 1318.	3.1	16
23	An Improved Algorithm for Optimal Load Shedding in Power Systems. Energies, 2018, 11, 1808.	3.1	31
24	Optimal strategies modelling of demand response in electricity market for integration of intermittent resources. , 2014, , .		4
25	An improved threeâ€phase reactive power measurement algorithm using walsh functions transform. IEEJ Transactions on Electrical and Electronic Engineering, 2014, 9, 7-14.	1.4	2
26	An Improved Walsh Function Algorithm for Use in Sinusoidal and Nonsinusoidal Power Components Measurement. Journal of Energy, 2013, 2013, 1-10.	3.2	2
27	Modified Firefly Algorithm in solving economic dispatch problems with practical constraints. , 2012, , .		23
28	Magnetostriction assessment of power transformer (a case study of 30/40MVA, 132/33 kV transformer) Tj ETQq0 0 0 rgBT /Overlock 10		1
29	Preference Comparison of AI Power Tracing Techniques for Deregulated Power Markets. Advances in Artificial Intelligence, 2012, 2012, 1-9.	0.9	2
30	A method for real power transfer allocation using multivariable regression analysis. Journal of Central South University, 2012, 19, 179-186.	3.0	2
31	Tracing the real power transfer of individual generators to loads using Least Squares Support Vector Machine with Continuous Genetic Algorithm. , 2011, , .		1
32	Power flow allocation method with the application of hybrid genetic algorithm-least squares support vector machine. , 2010, , .		4
33	Real power transfer allocation via Continuous Genetic Algorithm-Least Squares Support Vector Machine technique. , 2010, , .		4
34	Transmission loss and load flow allocations via genetic algorithm technique. , 2009, , .		28
35	Transmission loss allocation in deregulated power system via superposition and proportional tree methods. , 2008, , .		3
36	A User Friendly Simulation Tool for Power Flow and Tracing Analysis. , 2006, , .		0