Touqeer Ahmed Jumani

List of Publications by Year
in descending order

21	699	567144 15	752573 20
papers	citations	h-index	g-index

21	21	21	469
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Jaya optimization algorithm for transient response and stability enhancement of a fractional-order PID based automatic voltage regulator system. AEJ - Alexandria Engineering Journal, 2020, 59, 2429-2440.	3.4	82
2	Salp Swarm Optimization Algorithm-Based Fractional Order PID Controller for Dynamic Response and Stability Enhancement of an Automatic Voltage Regulator System. Electronics (Switzerland), 2019, 8, 1472.	1.8	75
3	Optimal Voltage and Frequency Control of an Islanded Microgrid using Grasshopper Optimization Algorithm. Energies, 2018, 11, 3191.	1.6	66
4	A novel feature engineered-CatBoost-based supervised machine learning framework for electricity theft detection. Energy Reports, 2021, 7, 4425-4436.	2.5	63
5	Ensemble Bagged Tree Based Classification for Reducing Non-Technical Losses in Multan Electric Power Company of Pakistan. Electronics (Switzerland), 2019, 8, 860.	1.8	61
6	Optimal design of Fractional order PID controller based Automatic voltage regulator system using gradient-based optimization algorithm. Journal of King Saud University, Engineering Sciences, 2024, 36, 32-44.	1.2	43
7	Swarm Intelligence-Based Optimization Techniques for Dynamic Response and Power Quality Enhancement of AC Microgrids: A Comprehensive Review. IEEE Access, 2020, 8, 75986-76001.	2.6	42
8	Optimal Power Flow Controller for Grid-Connected Microgrids using Grasshopper Optimization Algorithm. Electronics (Switzerland), 2019, 8, 111.	1.8	41
9	Salp Swarm Optimization Algorithm-Based Controller for Dynamic Response and Power Quality Enhancement of an Islanded Microgrid. Processes, 2019, 7, 840.	1.3	36
10	An Improved Algorithm for Optimal Load Shedding in Power Systems. Energies, 2018, 11, 1808.	1.6	31
11	Improved Whale Optimization Algorithm for Transient Response, Robustness, and Stability Enhancement of an Automatic Voltage Regulator System. Energies, 2022, 15, 5037.	1.6	29
12	Detection of Non-Technical Losses in Power Utilitiesâ€”A Comprehensive Systematic Review. Energies, 2020, 13, 4727.	1.6	28
13	An Efficient Boosted C5.0 Decision-Tree-Based Classification Approach for Detecting Non-Technical Losses in Power Utilities. Energies, 2020, 13, 3242.	1.6	23
14	Wind Power Integration: An Experimental Investigation for Powering Local Communities. Energies, 2019, 12, 621.	1.6	21
15	Dynamic response enhancement of gridâ€tied ac microgrid using salp swarm optimization algorithm. International Transactions on Electrical Energy Systems, 2020, 30, e12321.	1.2	18
16	Computational Intelligence-Based Optimization Methods for Power Quality and Dynamic Response Enhancement of ac Microgrids. Energies, 2020, 13, 4063.	1.6	13
17	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.	1.2	11
18	Dynamic response and low voltage ride-through enhancement of brushless double-fed induction generator using Salp swarm optimization algorithm. PLoS ONE, 2022, 17, e0265611.	1.1	6

#	Article	IF	Citations
19	Salp swarm algorithmâ€“based optimal vector control scheme for dynamic response enhancement of brushless doubleâ€fed induction generator in a wind energy conversion system. International Transactions on Electrical Energy Systems, 2021, 31, e13157.	1.2	5
20	An Improved Electroporator With Continuous Liquid Flow and Double-Exponential Waveform for Liquid Food Pasteurization. IEEE Access, 2021, 9, 147732-147742.	2.6	5
21	Internal Model Control (IMC)-Based Active and Reactive Power Control of Brushless Double-Fed Induction Generator with Notch Filter. International Transactions on Electrical Energy Systems, 2022, 2022, 1-14.	1.2	0