Ali S Alghamdi

List of Publications by Year
in descending order

29 papers	593 citations	759233 12 h-index	642732 23 g-index
29 all docs	29 docs citations	29 times ranked	588 citing authors

#	Article	IF	Citations
1	Optimal Placement of DGs in Distribution System Using an Improved Harris Hawks Optimizer Based on Single- and Multi-Objective Approaches. IEEE Access, 2020, 8, 52815-52829.	4.2	103
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.	3.1	75
3	Liquid Metal Antennas: Materials, Fabrication and Applications. Sensors, 2020, 20, 177.	3.8	57
4	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
5	Multi-Objective Energy Management of a Micro-Grid Considering Stochastic Nature of Load and Renewable Energy Resources. Electronics (Switzerland), 2021, 10, 403.	3.1	41
6	Optimum Resilient Operation and Control DC Microgrid Based Electric Vehicles Charging Station Powered by Renewable Energy Sources. Energies, 2019, 12, 4240.	3.1	40
7	Optimal Design of an Isolated Hybrid Microgrid for Enhanced Deployment of Renewable Energy Sources in Saudi Arabia. Sustainability, 2021, 13, 4708.	3.2	38
8	Design of State Feedback Current Controller for Fast Synchronization of DFIG in Wind Power Generation Systems. Energies, 2019, 12, 2427.	3.1	25
9	Facile Microemulsion Synthesis of Vanadium-Doped ZnO Nanoparticles to Analyze the Compositional, Optical, and Electronic Properties. Materials, 2019, 12, 821.	2.9	19
10	Energy-Saving of Battery Electric Vehicle Powertrain and Efficiency Improvement during Different Standard Driving Cycles. Sustainability, 2020, 12, 10466.	3.2	19
11	A Hybrid Firefly–JAYA Algorithm for the Optimal Power Flow Problem Considering Wind and Solar Power Generations. Applied Sciences (Switzerland), 2022, 12, 7193.	2.5	18
12	Economic and Ecological Design of Hybrid Renewable Energy Systems Based on a Developed IWO/BSA Algorithm. Electronics (Switzerland), 2021, 10, 687.	3.1	16
13	Sensorless control for <scp>PMSM</scp> using model reference adaptive system. International Transactions on Electrical Energy Systems, 2021, 31, e12733.	1.9	12
14	A New Self-Adaptive Teaching–Learning-Based Optimization with Different Distributions for Optimal Reactive Power Control in Power Networks. Energies, 2022, 15, 2759.	3.1	11
15	Greedy Sine-Cosine Non-Hierarchical Grey Wolf Optimizer for Solving Non-Convex Economic Load Dispatch Problems. Energies, 2022, 15, 3904.	3.1	11
16	A Sensorless Wind Speed and Rotor Position Control of PMSG in Wind Power Generation Systems. Sustainability, 2020, 12, 8481.	3.2	10
17	MPPT of Permanent Magnet Synchronous Generator in Tidal Energy Systems Using Support Vector Regression. Sustainability, 2021, 13, 2223.	3.2	10
18	Hybrid control of a multi‐area multi‐machine power system with FACTS devices using non‐linear modelling. IET Generation, Transmission and Distribution, 2020, 14, 1993-2003.	2.5	9

#	Article	IF	Citations
19	A New Single-Phase Direct Frequency Controller Having Reduced Switching Count without Zero-Crossing Detector for Induction Heating System. Electronics (Switzerland), 2020, 9, 430.	3.1	9
20	Ethernet-Based Fault Diagnosis and Control in Smart Grid: A Stochastic Analysis via Markovian Model Checking. Journal of Electrical Engineering and Technology, 2019, 14, 2289-2300.	2.0	8
21	A Compact Sequentially Rotated Circularly Polarized Dielectric Resonator Antenna Array. Applied Sciences (Switzerland), 2021, 11, 8779.	2.5	6
22	Performance Enhancement of Roof-Mounted Photovoltaic System: Artificial Neural Network Optimization of Ground Coverage Ratio. Energies, 2021, 14, 1537.	3.1	5
23	Micro-Grid Dynamic Economic Dispatch with Renewable Energy Resources Using Equilibrium Optimizer. , 2020, , .		5
24	The Use of Arabic Vowels to Model the Pathological Effect of Influenza Disease by Wavelets. Computational and Mathematical Methods in Medicine, 2019, 2019, 1-8.	1.3	2
25	Efficient video transmission—a critical review of various protocols and strategies. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2021, 44, 740-750.	1.1	1
26	Optimal Design of a Grid-Connected Hybrid Photovoltaic/Wind/Fuel Cell System. , 2020, , .		1
27	Design a Universal Remote Controlled Thermostat Based on FPGA. , 2019, , .		0
28	Unscented Kalman Filter for Indoor Bluetooth Voice Transmission Interference over Non-Gaussian Fading Channel. , 2020, , .		0
29	Optimal integration of capacitor and PV in distribution network based on nomadic people optimizer. Indonesian Journal of Electrical Engineering and Computer Science, 2021, 23, 1237.	0.8	0