

Wentao Huang

List of Publications by Year in descending order

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43
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43
times ranked

546
citing authors

#	ARTICLE	IF	CITATIONS
1	An Impedance Protection Scheme for Feeders of Active Distribution Networks. IEEE Transactions on Power Delivery, 2014, 29, 1591-1602.	4.3	89
2	A review on protection of DC microgrids. Journal of Modern Power Systems and Clean Energy, 2018, 6, 1113-1127.	5.4	68
3	Protection scheme for high-voltage direct-current transmission lines based on transient AC current. IET Generation, Transmission and Distribution, 2015, 9, 2633-2643.	2.5	60
4	Assessment of Wind Power Potential and Economic Analysis at Hyderabad in Pakistan: Powering to Local Communities Using Wind Power. Sustainability, 2019, 11, 1391.	3.2	46
5	Day-Ahead Optimal Economic Dispatching of Integrated Port Energy Systems Considering Hydrogen. IEEE Transactions on Industry Applications, 2022, 58, 2619-2629.	4.9	41
6	Transient stability mechanism of grid-connected inverter-interfaced distributed generators using droop control strategy. Applied Energy, 2018, 210, 737-747.	10.1	30
7	Time-Domain Transmission Line Fault Location Method With Full Consideration of Distributed Parameters and Line Asymmetry. IEEE Transactions on Power Delivery, 2020, 35, 2651-2662.	4.3	26
8	Two-Stage Full-Data Processing for Microgrid Planning With High Penetrations of Renewable Energy Sources. IEEE Transactions on Sustainable Energy, 2021, 12, 2042-2052.	8.8	23
9	Fault distance estimation-based protection scheme for DC microgrids. Journal of Engineering, 2019, 2019, 1199-1203.	1.1	16
10	Equalization Strategy for Multi-Battery Energy Storage Systems Using Maximum Consistency Tracking Algorithm of the Conditional Depreciation. IEEE Transactions on Energy Conversion, 2018, 33, 1242-1254.	5.2	14
11	Technical and Economic Assessment of VSC-HVDC Transmission Model: A Case Study of South-Western Region in Pakistan. Electronics (Switzerland), 2019, 8, 1305.	3.1	13
12	Evaluation of Wind Energy Potential Using an Optimum Approach based on Maximum Distance Metric. Sustainability, 2020, 12, 1999.	3.2	12
13	A conditional depreciation balancing strategy for the equitable operation of extended hybrid energy storage systems. Applied Energy, 2018, 228, 1937-1952.	10.1	10
14	Energy management strategy for microgrids including heat pump air-conditioning and hybrid energy storage systems. Journal of Engineering, 2017, 2017, 2412-2416.	1.1	9
15	Wavelet-based EMTR method for fault location of VSC-HVDC transmission lines. Journal of Engineering, 2019, 2019, 961-966.	1.1	9
16	Novel grid connection interface for utility-scale PV power plants based on MMC. Journal of Engineering, 2019, 2019, 2683-2686.	1.1	9
17	A Multi-layer Coordinated Control Scheme to Improve the Operation Friendliness of Grid-Connected Multiple Microgrids. Energies, 2019, 12, 255.	3.1	7
18	Surge Current Calculation and Limit Strategy of the IIDG during Loop Closing Operation in Distribution Networks. , 2019, , .		7

#	ARTICLE	IF	CITATIONS
19	An intermittent high-impedance fault identification method based on transient power direction detection and intermittency detection. , 2017, , .		4
20	Advanced microgrid and its multi-objective regulation strategy for shore supply. Journal of Engineering, 2017, 2017, 1590-1594.	1.1	4
21	Transient Behavior Analysis of VSG-IIDG During Disturbances Considering the Current Limit Unit. , 2019, , .		4
22	An interconnection protection design for the interface of alternating current microgrids. Journal of Renewable and Sustainable Energy, 2014, 6, 043107.	2.0	3
23	Detection and classification of MMC-HVDC transmission line faults based on one-terminal transient current signal. , 2017, , .		3
24	Strategy to stabilise power fluctuation of distributed renewable energy in combined heat and power microgrid. Journal of Engineering, 2017, 2017, 2395-2400.	1.1	3
25	Multi-terminal hvdc fault current analysis during line to ground fault. , 2017, , .		3
26	Distributed equalisation strategy for multi-battery energy storage systems. Journal of Engineering, 2019, 2019, 1986-1990.	1.1	3
27	A Fault Line Selection Method for DC Distribution Network Using Multiple Observers. Energies, 2019, 12, 1245.	3.1	3
28	Performance evaluation of energy meters under nonlinear loads. Journal of Shanghai Jiaotong University (Science), 2017, 22, 133-138.	0.9	2
29	An advanced architecture of multiple microgrids interfacing with UCC. , 2017, , .		2
30	Strategy to smooth tie-line power of microgrid by considering group control of heat pumps. Journal of Engineering, 2017, 2017, 2417-2422.	1.1	2
31	A New Theory for Locating Line Fault in Power System: Theoretical Part. IEEE Access, 2019, 7, 91337-91346.	4.2	2
32	Adaptive control scheme based on transient stability mechanism for photovoltaic plants. IET Generation, Transmission and Distribution, 2020, 14, 5011-5019.	2.5	2
33	Fault Location Method for MMC Multi-terminal DC Distribution Network Using Transient DC Currents. , 2020, , .		2
34	Optimization and Coordination of HAFDV PINN Control by Improved PSO. Journal of Control Science and Engineering, 2013, 2013, 1-7.	1.0	1
35	Novel inrush current restraining method for transformers of shipboard power system. International Transactions on Electrical Energy Systems, 2015, 25, 817-826.	1.9	1
36	Operation and regulation scheme and the application for microgrids. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
37	A New Theory for Locating Line Fault in Power System: Simulation Part. IEEE Access, 2019, 7, 93858-93870.	4.2	1
38	Correction to "A Dual-Adaptivity Inertia Control Strategy for Virtual Synchronous Generator" [Jan 20 594-604]. IEEE Transactions on Power Systems, 2020, 35, 3316-3316.	6.5	1
39	Rolling coordination control of the wind-storage hybrid system based on the ultra-short term wind forecast. , 2016, , .		0
40	Research on the Inductance/Capacitance Switch Model for an LCC-HVDC Converter in an AC/DC Hybrid Grid. Energies, 2018, 11, 692.	3.1	0
41	A multilevel overvoltage prevention strategy for the distribution networks with high penetration of rooftop photovoltaic systems. International Transactions on Electrical Energy Systems, 2019, 29, e12046.	1.9	0
42	Comprehensive Protection Method for DC Collection Cable of Large-Scale Photovoltaic Plant Based on Fault Current Limiter. , 2019, , .		0
43	Economy Optimization Configuration Scheme for the MMC-MTDC System with Renewable Energies. , 2020, , .		0