Zhang Xin

List of Publications by Year
in descending order

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32	500	840776 11	996975 15
papers	citations	h-index	g-index

32	32	32	496
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Generic Small-Signal Stability Criterion of DC Distribution Power System: Bus Node Impedance Criterion (BNIC). IEEE Transactions on Power Electronics, 2022, 37, 6116-6131.	7.9	29
2	Impedance-Based Stability Analysis Methods for DC Distribution Power System With Multivoltage Levels. IEEE Transactions on Power Electronics, 2021, 36, 9193-9208.	7.9	18
3	A Power Flow Transfer Entropy Based AC Fault Detection Method for the MTDC Wind Power Integration System. IEEE Transactions on Industrial Electronics, 2021, 68, 11614-11620.	7.9	13
4	Deep Reinforcement Learning Based Input Voltage Sharing Method for Input-Series Output-Parallel Dual Active Bridge Converter in DC Microgrids. , 2021, , .		2
5	Posting Techniques in Indoor Environments Based on Deep Learning for Intelligent Building Lighting System. IEEE Access, 2020, 8, 13674-13682.	4.2	5
6	A Dual-objective Modulated Model Predictive Control Scheme for the Point-of-load Inverter in dc Microgrid With Dichotomy Algorithm. , 2020, , .		2
7	An IGBT Open-Circuit Fault Diagnosis Method for Grid-Tied T-Type Three-Level Inverters. , 2020, , .		6
8	Parameters extraction method of PV model based on key points of I-V curve. Energy Conversion and Management, 2020, 209, 112656.	9.2	28
9	Energy dissipation of MMCâ€HVDC based onshore wind power integration system with FBâ€DBS and DCCB. IET Renewable Power Generation, 2020, 14, 222-230.	3.1	15
10	Faulty feeder selection and segment location method for SPTG fault in radial MMCâ€MVDC distribution grid. IET Generation, Transmission and Distribution, 2020, 14, 223-233.	2.5	19
11	Unified decentralised control for both gridâ€connected and islanded operation of cascadedâ€type microgrid. IET Renewable Power Generation, 2020, 14, 3138-3148.	3.1	4
12	A Simple ANN-Based Diagnosis Method for Open-Switch Faults in Power Converters. , 2020, , .		2
13	Transient Load Sharing between Grid-forming Generators in Islanded Microgrid. , 2020, , .		0
14	Virtual Impedance Regulator for the Three-Phase Inverter Stand-Alone Distributed Generation System. , 2020, , .		2
15	Pareto-Frontier-Based Multi-Objective Design of Output LC Filter for High Efficiency, High Reliability, and High Power-Density Buck Converter. , 2020, , .		1
16	An On-Line State Evaluation Method of Smart Meters Based on Information Fusion. IEEE Access, 2019, 7, 163665-163676.	4.2	9
17	A Modified Lyapunov-Based Control Scheme for a Three-phase UPS with an Optimal Third-order Load Current Observer. , 2019, , .		4
18	PSO-Algorithm-Based Optimal Design of the LCLC Resonant Converters for Space Travelling-Wave Tube Amplifiers Applications. , 2019, , .		2

#	ARTICLE	IF	CITATIONS
19	Finite Time Consensus Control for Dual Active Bridge DC-DC Converter Based on PI Controller. , 2019, , .		1
20	A gradient-based adaptive balancing method for dedicated outdoor air system. Building and Environment, 2019, 151, 15-29.	6.9	23
21	Impedance-Sum Stability Criterion for Power Electronic Systems With Two Converters/Sources. IEEE Access, 2019, 7, 21254-21265.	4.2	41
22	Design of LC Filter in Synchronous Buck considering Power Loss and Cost Criterions using Particle Swarm Optimization. , 2019, , .		0
23	Accommodating Discharging Power With Consideration of Both EVs and ESs as Commodity Based on a Two-Level Genetic Algorithm. IEEE Access, 2019, 7, 134804-134814.	4.2	11
24	A Modified Lyapunov-function based Control Scheme for Three-phase UPS with a Load Estimator in Synchronous Rotating Frame. , 2019, , .		0
25	Stabilization of Inverterâ€“Based Distributed Generation System via Virtual Impedance Regulator. , 2019, , .		0
26	An Optimal-Oriented Quasi-Droop Control of Interlinking Converter in Hybrid Microgrid. , 2019, , .		2
27	A Modified Lyapunov-based Control Strategy for a Single-Phase VSI with a Load Estimator. , 2019, , .		2
28	Multi-objective Design of LC Filter for High-efficiency, High-power-density and High-performance Buck Converter. , 2019, , .		6
29	Back-stepping Control of Three-phase Inverter for UPS Application with a Fourth-order Load Current Observer in DQ Frame. , 2019, , .		2
30	Source-Side Series-Virtual-Impedance Control to Improve the Cascaded System Stability and the Dynamic Performance of Its Source Converter. IEEE Transactions on Power Electronics, 2019, 34, 5854-5866.	7.9	99
31	Distributed Hierarchical Control of AC Microgrid Operating in Grid-Connected, Islanded and Their Transition Modes. IEEE Access, 2018, 6, 77388-77401.	4.2	110
32	FPGA Implementation of Sensorless Sliding Mode Observer With a Novel Rotation Direction Detection for PMSM Drives. IEEE Access, 2018, 6, 55528-55536.	4.2	42