

Jianfeng Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

679
citations

759233

12
h-index

580821

25
g-index

37
all docs

37
docs citations

37
times ranked

661
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Efficiency Single-Phase Transformerless PV H6 Inverter With Hybrid Modulation Method. IEEE Transactions on Industrial Electronics, 2013, 60, 2104-2115.	7.9	232
2	Optimal charging strategy for electric vehicles in residential charging station under dynamic spike pricing policy. Sustainable Cities and Society, 2020, 63, 102474.	10.4	41
3	Low-Order Circulating Current Suppression of PWM-Based Modular Multilevel Converters Using DC-Link Voltage Compensation. IEEE Transactions on Power Electronics, 2018, 33, 210-225.	7.9	39
4	Steady-State Error Suppression and Simplified Implementation of Direct Source Current Control for Matrix Converter With Model Predictive Control. IEEE Transactions on Power Electronics, 2020, 35, 3183-3194.	7.9	37
5	Hierarchical control strategy for MVDC distribution network under large disturbance. IET Generation, Transmission and Distribution, 2018, 12, 2557-2565.	2.5	28
6	An Improved Current Control Strategy Based on Particle Swarm Optimization and Steady-State Error Correction for SAPF. IEEE Transactions on Industry Applications, 2019, 55, 4268-4274.	4.9	28
7	A Simple Modulation Scheme With Zero Common-Mode Voltage and Improved Efficiency for Direct Matrix Converter-Fed PMSM Drives. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 3712-3722.	5.4	28
8	An Improved Hybrid Modulation Method for the Single-Phase H6 Inverter With Reactive Power Compensation. IEEE Transactions on Power Electronics, 2018, 33, 7674-7683.	7.9	25
9	An Improved Three-Phase Buck Rectifier Topology With Reduced Voltage Stress on Transistors. IEEE Transactions on Power Electronics, 2020, 35, 2458-2466.	7.9	18
10	Admittance Modeling, Analysis, and Reshaping of Harmonic Control Loop for Multiparalleled SAPFs System. IEEE Transactions on Industrial Informatics, 2021, 17, 280-289.	11.3	17
11	Single Phase Bidirectional H6 Rectifier/Inverter. IEEE Transactions on Power Electronics, 2019, 34, 10710-10719.	7.9	16
12	Flexible Grounding System for Single-Phase to Ground Faults in Distribution Networks: A Systematic Review of Developments. IEEE Transactions on Power Delivery, 2022, 37, 1640-1649.	4.3	14
13	Dual-Loop-Based Harmonic Current Control Strategy and Admittance Modeling for a Multimodular Parallel SAPFs System. IEEE Transactions on Industrial Electronics, 2020, 67, 5456-5466.	7.9	12
14	Parameter-Adaptation-Based Virtual DC Motor Control Method for Energy Storage Converter. IEEE Access, 2021, 9, 90795-90804.	4.2	12
15	Turn-Off Transient of Superjunction SOI Lateral IGBTs: Mechanism and Optimization Strategy. IEEE Transactions on Electron Devices, 2019, 66, 1409-1415.	3.0	11
16	500-V Silicon-On-Insulator Lateral IGBT With W-Shaped n-Typed Buffer and Composite p-Typed Collectors. IEEE Transactions on Electron Devices, 2019, 66, 1430-1434.	3.0	11
17	Improved Reference Generation of Active and Reactive Power for Matrix Converter With Model Predictive Control Under Input Disturbances. IEEE Access, 2019, 7, 97001-97012.	4.2	10
18	Improved hybrid modular multilevel converter with enhanced fault ride-through capability and fast pre-charging strategies. IET Power Electronics, 2019, 12, 1400-1412.	2.1	10

#	ARTICLE	IF	CITATIONS
19	Faulty Feeder Identification Based on Data Analysis and Similarity Comparison for Flexible Grounding System in Electric Distribution Networks. <i>Sensors</i> , 2021, 21, 154.	3.8	10
20	Safe-triggering-region control scheme for suppressing cross current in static transfer switch. <i>Electric Power Systems Research</i> , 2015, 125, 245-253.	3.6	8
21	An Input-Series-Output-Series Modular Multilevel DC Transformer With Inter-Module Arithmetic Phase Interleaving Control to Reduce DC Ripples. <i>IEEE Access</i> , 2018, 6, 75961-75974.	4.2	7
22	Optimal Tuning of the Current Loop for Dual-Loop Controlled Grid-Forming Converters Based on Active Damping Optimization. <i>IEEE Access</i> , 2021, 9, 35801-35813.	4.2	7
23	Accurate Modeling of PLL With Frequency-Adaptive Prefilter: On the Positive Feedback Effect. <i>IEEE Transactions on Power Electronics</i> , 2022, 37, 3747-3752.	7.9	7
24	A Modular Multilevel Dual Buck Inverter With Adjustable Discontinuous Modulation. <i>IEEE Access</i> , 2020, 8, 31693-31709.	4.2	6
25	Inherent Interaction Analysis for Harmonic Oscillations in the Multi-Paralleled Grid-Connected Inverter System Using a Sum Type Criterion: Global Admittance (GA). <i>IEEE Access</i> , 2020, 8, 8275-8285.	4.2	6
26	Reliability-Enhanced Hybrid Grounding System Based on Active Neutral-Point Voltage Regulator and Low-Resistance. <i>IEEE Transactions on Power Delivery</i> , 2021, 36, 3270-3273.	4.3	6
27	High-Performance Resonant Controller Implemented in the Discrete-Time Domain for Voltage Regulation of Grid-Forming Converters. <i>IEEE Transactions on Power Electronics</i> , 2022, 37, 3913-3926.	7.9	6
28	Power electronic transformer with adaptive PLL technique for voltage-disturbance ride through. <i>Journal of Modern Power Systems and Clean Energy</i> , 2018, 6, 1090-1102.	5.4	5
29	Evaluation and Improvement of Active Stabilization Method for Matrix Converter Under Input Voltage Disturbances. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2019, 7, 1116-1125.	5.4	5
30	Responsibility Identification for Harmonic Oscillation Issues in the Parallel Grid-Connected Inverters System. <i>IEEE Access</i> , 2019, 7, 171061-171072.	4.2	5
31	Passivity enhancement for LCL-filtered grid-connected inverters using the dominant-admittance-based controller. <i>IET Power Electronics</i> , 2020, 13, 4140-4149.	2.1	5
32	Tuning of Discrete Complex Proportional Integral Current Controller for Grid-Connected Converters Based on Critical Damping. <i>IEEE Access</i> , 2020, 8, 50543-50552.	4.2	2
33	Enhanced reduced-order generalised integrator with delay compensation for harmonic suppression in distribution system. <i>IET Power Electronics</i> , 2020, 13, 2500-2510.	2.1	2
34	Stability enhancement and discrete-time resonant controller synthesis for voltage-controlled Voltage Source Converters. <i>IET Generation, Transmission and Distribution</i> , 2022, 16, 924-937.	2.5	2
35	Transient Oscillation Suppression Method of Modular Multilevel DC Transformer. <i>IEEE Access</i> , 2020, 8, 182943-182958.	4.2	1
36	Master-slave structure-based capacitor voltage measuring technique for hybrid modular multilevel converters. <i>IET Power Electronics</i> , 2018, 11, 2179-2190.	2.1	0

#	ARTICLE	IF	CITATIONS
37	Harmonic Stability Criterion for Modular Multilevel Converter based AC System Connected with multi-paralleled Inverters. , 2021, , .		0