

# 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	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
2	High-Performance Resonant Controller Implemented in the Discrete-Time Domain for Voltage Regulation of Grid-Forming Converters. IEEE Transactions on Power Electronics, 2022, 37, 3913-3926.	7.9	6
3	Accurate Modeling of PLL With Frequency-Adaptive Prefilter: On the Positive Feedback Effect. IEEE Transactions on Power Electronics, 2022, 37, 3747-3752.	7.9	7
4	Stability enhancement and discrete-time resonant controller synthesis for voltage-controlled Voltage Source Converters. IET Generation, Transmission and Distribution, 2022, 16, 924-937.	2.5	2
5	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
6	Optimal Tuning of the Current Loop for Dual-Loop Controlled Grid-Forming Converters Based on Active Damping Optimization. IEEE Access, 2021, 9, 35801-35813.	4.2	7
7	Parameter-Adaptation-Based Virtual DC Motor Control Method for Energy Storage Converter. IEEE Access, 2021, 9, 90795-90804.	4.2	12
8	Reliability-Enhanced Hybrid Grounding System Based on Active Neutral-Point Voltage Regulator and Low-Resistance. IEEE Transactions on Power Delivery, 2021, 36, 3270-3273.	4.3	6
9	Faulty Feeder Identification Based on Data Analysis and Similarity Comparison for Flexible Grounding System in Electric Distribution Networks. Sensors, 2021, 21, 154.	3.8	10
10	Harmonic Stability Criterion for Modular Multilevel Converter based AC System Connected with multi-paralleled Inverters. , 2021, , .		0
11	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
12	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
13	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
14	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
15	Transient Oscillation Suppression Method of Modular Multilevel DC Transformer. IEEE Access, 2020, 8, 182943-182958.	4.2	1
16	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
17	A Modular Multilevel Dual Buck Inverter With Adjustable Discontinuous Modulation. IEEE Access, 2020, 8, 31693-31709.	4.2	6
18	Inherent Interaction Analysis for Harmonic Oscillations in the Multi-Paralleled Grid-Connected Inverter System Using a Sum Type Criterion: Global Admittance (GA). IEEE Access, 2020, 8, 8275-8285.	4.2	6

#	ARTICLE	IF	CITATIONS
19	Tuning of Discrete Complex Proportional Integral Current Controller for Grid-Connected Converters Based on Critical Damping. IEEE Access, 2020, 8, 50543-50552.	4.2	2
20	Passivity enhancement for LCL-filtered grid-connected inverters using the dominant-admittance-based controller. IET Power Electronics, 2020, 13, 4140-4149.	2.1	5
21	Enhanced reduced-order generalised integrator with delay compensation for harmonic suppression in distribution system. IET Power Electronics, 2020, 13, 2500-2510.	2.1	2
22	Evaluation and Improvement of Active Stabilization Method for Matrix Converter Under Input Voltage Disturbances. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 1116-1125.	5.4	5
23	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
24	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
25	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
26	Single Phase Bidirectional H6 Rectifier/Inverter. IEEE Transactions on Power Electronics, 2019, 34, 10710-10719.	7.9	16
27	Turn-Off Transient of Superjunction SOI Lateral IGBTs: Mechanism and Optimization Strategy. IEEE Transactions on Electron Devices, 2019, 66, 1409-1415.	3.0	11
28	Responsibility Identification for Harmonic Oscillation Issues in the Parallel Grid-Connected Inverters System. IEEE Access, 2019, 7, 171061-171072.	4.2	5
29	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
30	Power electronic transformer with adaptive PLL technique for voltage-disturbance ride through. Journal of Modern Power Systems and Clean Energy, 2018, 6, 1090-1102.	5.4	5
31	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
32	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
33	An Input-Series-Output-Series Modular Multilevel DC Transformer With Inter-Module Arithmetic Phase Interleaving Control to Reduce DC Ripples. IEEE Access, 2018, 6, 75961-75974.	4.2	7
34	Master-slave structure-based capacitor voltage measuring technique for hybrid modular multilevel converters. IET Power Electronics, 2018, 11, 2179-2190.	2.1	0
35	Hierarchical control strategy for MVDC distribution network under large disturbance. IET Generation, Transmission and Distribution, 2018, 12, 2557-2565.	2.5	28
36	Safe-triggering-region control scheme for suppressing cross current in static transfer switch. Electric Power Systems Research, 2015, 125, 245-253.	3.6	8

#	ARTICLE	IF	CITATIONS
37	High-Efficiency Single-Phase Transformerless PV H6 Inverter With Hybrid Modulation Method. IEEE Transactions on Industrial Electronics, 2013, 60, 2104-2115.	7.9	232