

Weihua Zhou

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Robust Circuit and Controller Parametersâ€™ Identification Method of Grid-Connected Voltage-Source Converters Using Vector Fitting Algorithm. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 2748-2763.	5.4	11
2	Comprehensive Modeling, Analysis, and Comparison of State-Space and Admittance Models of PLL-Based Grid-Following Inverters Considering Different Outer Control Modes. IEEE Access, 2022, 10, 30109-30146.	4.2	13
3	Extrapolation of Band-Limited Frequency Responses for Out-of-Band Modal Synthesis. , 2022, , .		1
4	Global Impedance Identification of Inverter-Based Power Systems Using Grid-Forming-Inverter-Based Current Perturbation Injections at Single Node. , 2022, , .		0
5	Electromagnetic Oscillation Origin Location in Multiple-Inverter-Based Power Systems Using Components Impedance Frequency Responses. IEEE Open Journal of the Industrial Electronics Society, 2021, 2, 1-20.	6.8	8
6	A Gray-Box Hierarchical Oscillatory Instability Source Identification Method of Multiple-Inverter-Fed Power Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 3095-3113.	5.4	19
7	Insight into Frequency-Domain Extrapolations of Least-Squares-Based Curve Fitting Algorithms. , 2021, , .		3
8	Impedance-Decoupled Modeling Method of Multiport Transmission Network in Inverter-Fed Power Plant. IEEE Transactions on Industry Applications, 2020, 56, 611-621.	4.9	17
9	A Modified DQ Impedance Model of Three-Phase Grid-Connected Inverter-Grid System Considering Coupling between Inverter and Grid. , 2020, , .		2
10	Frequency Scanning-Based Contributions Identification of Current Control Loop and PLL on DQ Impedance Characteristics of Three-Phase Grid-Connected Inverter. , 2020, , .		2
11	Effect of Reactive Power Characteristic of Offshore Wind Power Plant on Low-Frequency Stability. IEEE Transactions on Energy Conversion, 2020, 35, 837-853.	5.2	31
12	<i>dq</i> impedanceâ€™decoupled network modelâ€™based stability analysis of offshore wind power plant under weak grid conditions. IET Power Electronics, 2020, 13, 2715-2729.	2.1	9
13	DQ Impedance Reshaping of Three-Phase Power-Controlled Grid-Connected Inverter for Low-Frequency Stability Improvement Under Weak Grid Condition. , 2020, , .		7
14	Optimization of Active and Reactive Power Dispatch among Multi-Paralleled Grid-Connected Inverters Considering Low-Frequency Stability. , 2019, , .		7
15	A Gray-Box Impedance Reshaping Method of Grid-Connected Inverter for Resonance Damping. , 2019, , .		6
16	A Gray-Box Parameters Identification Method of Voltage Source Converter Using Vector Fitting Algorithm. , 2019, , .		13
17	Decoupled Multi-Port Impedance Modelling Method of Transmission Network in Inverter-Fed Power Plant. , 2018, , .		7
18	Impedance-Based Modelling Method for Length-Scalable Long Transmission Cable for Stability Analysis of Grid-Connected Inverter. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
19	Frequency and Temperature-Dependent Power Cable Modelling for Stability Analysis of Grid-Connected Inverter. , 2018, , .		6
20	Reduced-Order Modelling Method of Grid-Connected Inverter with Long Transmission Cable. , 2018, , .		6
21	Efficient and Fast Implementation of Embedded Time-of-Flight Ranging System Based on FPGAs. IEEE Sensors Journal, 2017, 17, 5862-5870.	4.7	2
22	Real-time implementation of panoramic mosaic camera based on FPGA. , 2016, , .		8