

# Weihua Zhou

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

182  
citations

1307594

7  
h-index

1588992

8  
g-index

22  
all docs

22  
docs citations

22  
times ranked

69  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	A Gray-Box Parameters Identification Method of Voltage Source Converter Using Vector Fitting Algorithm. , 2019, , .		13
5	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
6	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
7	<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
8	Real-time implementation of panoramic mosaic camera based on FPGA. , 2016, , .		8
9	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
10	Decoupled Multi-Port Impedance Modelling Method of Transmission Network in Inverter-Fed Power Plant. , 2018, , .		7
11	Optimization of Active and Reactive Power Dispatch among Multi-Paralleled Grid-Connected Inverters Considering Low-Frequency Stability. , 2019, , .		7
12	DQ Impedance Reshaping of Three-Phase Power-Controlled Grid-Connected Inverter for Low-Frequency Stability Improvement Under Weak Grid Condition. , 2020, , .		7
13	Frequency and Temperature-Dependent Power Cable Modelling for Stability Analysis of Grid-Connected Inverter. , 2018, , .		6
14	Reduced-Order Modelling Method of Grid-Connected Inverter with Long Transmission Cable. , 2018, , .		6
15	A Gray-Box Impedance Reshaping Method of Grid-Connected Inverter for Resonance Damping. , 2019, , .		6
16	Impedance-Based Modelling Method for Length-Scalable Long Transmission Cable for Stability Analysis of Grid-Connected Inverter. , 2018, , .		4
17	Insight into Frequency-Domain Extrapolations of Least-Squares-Based Curve Fitting Algorithms. , 2021, , .		3
18	Efficient and Fast Implementation of Embedded Time-of-Flight Ranging System Based on FPGAs. IEEE Sensors Journal, 2017, 17, 5862-5870.	4.7	2

#	ARTICLE	IF	CITATIONS
19	A Modified DQ Impedance Model of Three-Phase Grid-Connected Inverter-Grid System Considering Coupling between Inverter and Grid. , 2020, , .		2
20	Frequency Scanning-Based Contributions Identification of Current Control Loop and PLL on DQ Impedance Characteristics of Three-Phase Grid-Connected Inverter. , 2020, , .		2
21	Extrapolation of Band-Limited Frequency Responses for Out-of-Band Modal Synthesis. , 2022, , .		1
22	Global Impedance Identification of Inverter-Based Power Systems Using Grid-Forming-Inverter-Based Current Perturbation Injections at Single Node. , 2022, , .		0