

# Feng Wang

## List of Publications by Year in descending order

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23  
papers

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759233

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times ranked

842  
citing authors

#	ARTICLE	IF	CITATIONS
1	Static Synchronous Generator Model: A New Perspective to Investigate Dynamic Characteristics and Stability Issues of Grid-Tied PWM Inverter. IEEE Transactions on Power Electronics, 2016, 31, 6264-6280.	7.9	199
2	A Virtual Impedance Optimization Method for Reactive Power Sharing in Networked Microgrid. IEEE Transactions on Power Electronics, 2016, 31, 2890-2904.	7.9	124
3	A Three-Phase PLL Algorithm Based on Signal Reforming Under Distorted Grid Conditions. IEEE Transactions on Power Electronics, 2015, 30, 5272-5283.	7.9	92
4	Analysis of Unified Output MPPT Control in Subpanel PV Converter System. IEEE Transactions on Power Electronics, 2014, 29, 1275-1284.	7.9	71
5	An Improved Submodule Differential Power Processing-Based PV System With Flexible Multi-MPPT Control. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 94-102.	5.4	66
6	Optimization of Extended Phase-Shift Control for Full-Bridge CLLC Resonant Converter With Improved Light-Load Efficiency. IEEE Transactions on Power Electronics, 2020, 35, 11129-11142.	7.9	61
7	Analysis of Dynamic Frequency Performance Among Voltage-Controlled Inverters Considering Virtual Inertia Interaction in Microgrid. IEEE Transactions on Industry Applications, 2019, 55, 4135-4144.	4.9	45
8	A Novel Real-time Voltage and Frequency Compensation Strategy for Photovoltaic-based Microgrid. IEEE Transactions on Industrial Electronics, 2014, , 1-1.	7.9	40
9	Active Power Control of Voltage-Controlled Photovoltaic Inverter in Supporting Islanded Microgrid Without Other Energy Sources. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 424-435.	5.4	33
10	Analysis and Optimization of Flexible MCPT Strategy in Submodule PV Application. IEEE Transactions on Sustainable Energy, 2017, 8, 249-257.	8.8	28
11	Quantitative Model-Based False Turn-on Evaluation and Suppression for Cascode GaN Devices in Half-Bridge Applications. IEEE Transactions on Power Electronics, 2019, 34, 10166-10179.	7.9	21
12	Fault Diagnosis of Commutation Failure Using Wavelet Transform and Wavelet Neural Network in HVDC Transmission System. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-8.	4.7	19
13	Analysis of Existence-Judging Criteria for Optimal Power Regions in DMPPT PV Systems. IEEE Transactions on Energy Conversion, 2016, 31, 1433-1441.	5.2	13
14	A Nonisolated Bidirectional Soft-Switching Power-Unit-Based DC-DC Converter With Unipolar and Bipolar Structure for DC Networks Interconnection. IEEE Transactions on Industry Applications, 2018, 54, 2677-2689.	4.9	11
15	Voltage Control and Power-Shortage Mode Switch of PV Inverter in the Islanded Microgrid Without Other Energy Sources. IEEE Transactions on Energy Conversion, 2022, 37, 2826-2836.	5.2	11
16	Dynamic performance analysis of paralleled virtual synchronous generators under grid-connected and islanded mode. , 2017, , .		7
17	Adaptive Deep-Learning-Based Steady-State Modeling and Fast Control Strategy for CLLC DC-DC Converter in Highly Renewable Penetrated System. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2022, 12, 205-219.	3.6	7
18	A Novel APWM Control Scheme for GaN Based Full-Bridge CLLC Resonant Converter with Improved Light-Load Efficiency. , 2020, , .		6

#	ARTICLE	IF	CITATIONS
19	Analysis of GaN Based Full-bridge CLLC Resonant Converter Considering Output Capacitances under Light-load Conditions. , 2020, , .		6
20	Research on Energy Optimal Control Strategy of DC PV-Energy Storage System for Unmanned Aerial Vehicle. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 2643-2651.	5.4	5
21	A Novel Asymmetric Duty Modulation Control of Dual-Active-Bridge for LVDC Applications. , 2021, , .		5
22	Static Synchronous Generator model for investigating dynamic behaviors and stability issues of grid-tied inverters. , 2016, , .		4
23	Coordinated Control Strategy of Multiple DC Microgrids Containing Large-scale PV Systems. , 2021, , .		2