

Bin Guo

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Single-Phase Common-Ground Five-Level Transformerless Inverter With Low Component Count for PV Applications. IEEE Transactions on Industrial Electronics, 2023, 70, 2662-2674.	7.9	19
2	Bimodal Transformerless Inverter With Three Switches. IEEE Transactions on Industrial Electronics, 2022, 69, 8972-8983.	7.9	6
3	Four-Switch Single-Phase Common-Ground PV Inverter With Active Power Decoupling. IEEE Transactions on Industrial Electronics, 2022, 69, 3223-3228.	7.9	19
4	Improved Model Predictive Control for Single-Phase Grid-Tied Inverter With Virtual Vectors in the Compacted Solution-Space. IEEE Transactions on Industrial Electronics, 2022, 69, 9673-9678.	7.9	8
5	A Low Communication Dependency Control Strategy for Hybrid Series-Parallel Microgrid. , 2022, , .		1
6	Single-Stage DAB-LLC Hybrid Bidirectional Converter With Tight Voltage Regulation Under DCX Operation. IEEE Transactions on Industrial Electronics, 2021, 68, 293-303.	7.9	48
7	Cost-Effective DC Current Suppression for Single-Phase Grid-Connected PV Inverter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1808-1823.	5.4	9
8	Disturbance observer-based sliding mode control for dynamic performance enhancement and current sensorless of buck/boost converter. IET Power Electronics, 2021, 14, 1421-1432.	2.1	3
9	Trade-off design of positive feedback based islanding detection. International Transactions on Electrical Energy Systems, 2020, 30, e12654.	1.9	2
10	Observer-based second-order sliding mode control for grid-connected VSI with LCL-type filter under weak grid. Electric Power Systems Research, 2020, 183, 106270.	3.6	20
11	Optimization Design and Control of Single-Stage Single-Phase PV Inverters for MPPT Improvement. IEEE Transactions on Power Electronics, 2020, 35, 13000-13016.	7.9	47
12	A Robust Second-Order Sliding Mode Control for Single-Phase Photovoltaic Grid-Connected Voltage Source Inverter. IEEE Access, 2019, 7, 53202-53212.	4.2	65
13	Single-Sensor Control of LCL-Filtered Grid-Connected Inverters. IEEE Access, 2019, 7, 38481-38494.	4.2	34