

Xiaofan Cui

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

120
citations

1684188

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2053705

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15
docs citations

15
times ranked

74
citing authors

#	ARTICLE	IF	CITATIONS
1	Transfer-Power Measurement Using a Non-Contact Method for Fair and Accurate Metering of Wireless Power Transfer in Electric Vehicles. IEEE Transactions on Power Electronics, 2022, 37, 1244-1271.	7.9	24
2	Potential-Based Large-Signal Stability Analysis in DC Power Grids With Multiple Constant Power Loads. IEEE Open Access Journal of Power and Energy, 2022, 9, 16-28.	3.4	5
3	Comparing power processing system approaches in second-use battery energy buffering for electric vehicle charging. Journal of Energy Storage, 2022, 49, 104017.	8.1	6
4	A Fast Response DC-DC Converter with Programmable Ripple for Combined Distributed Computation and Communication. , 2021, , .		0
5	Region of Attraction Estimation for DC Microgrids With Constant Power Loads Using Potential Theory. IEEE Transactions on Smart Grid, 2021, 12, 3793-3808.	9.0	17
6	Large-Signal Stability Criteria in DC Power Grids With Distributed-Controlled Converters and Constant Power Loads. IEEE Transactions on Smart Grid, 2020, 11, 5273-5287.	9.0	28
7	A 5 MHz High-Speed Saturating Inductor DC-DC Converter Using Cycle-by-Cycle Digital Control. , 2019, , .		3
8	Two-Port Up/Down DC-DC Converter for Two-Dimensional Maximum Power Point Tracking of Differential Diffusion Charge Redistribution Solar Panel. , 2019, , .		1
9	Cycle-by-Cycle Digital Control of a Multi-Megahertz Variable-Frequency Boost Converter for Automatic Power Control of LiDAR. , 2019, , .		6
10	Switching-Synchronized Sampled-State Space Modeling and Digital Controller for a Constant Off-Time, Current-Mode Boost Converter. , 2019, , .		6
11	Correct-by-construction control synthesis for buck converters with event-triggered state measurement. , 2019, , .		1
12	A New Framework for Cycle-by-Cycle Digital Control of Megahertz-Range Variable Frequency Buck Converters. , 2018, , .		9
13	Accurate Transfer-Power Measurement for Wireless Charging of Electric Vehicles Under Misalignment. , 2018, , .		5
14	Comparison of switched receivers for direct-sequence spread-spectrum wireless power transfer. , 2017, , .		8
15	A compact RF power inverter with reduced EMI for a CubeSat electrothermal micro-thruster. , 2017, , .		1