Xiaofan Cui

List of Publications by Year
in descending order

15 papers	**120** citations	1684188 **5** h-index	2053705 **5** g-index
15 all docs	**15** docs citations	**15** times ranked	**74** citing authors

#	Article	IF	Citations
1	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
2	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
3	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
4	A New Framework for Cycle-by-Cycle Digital Control of Megahertz-Range Variable Frequency Buck Converters. , 2018, , .		9
5	Comparison of switched receivers for direct-sequence spread-spectrum wireless power transfer. , 2017, , .		8
6	Cycle-by-Cycle Digital Control of a Multi-Megahertz Variable-Frequency Boost Converter for Automatic Power Control of LiDAR. , 2019, , .		6
7	Switching-Synchronized Sampled-State Space Modeling and Digital Controller for a Constant Off-Time, Current-Mode Boost Converter. , 2019, , .		6
8	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
9	Accurate Transfer-Power Measurement for Wireless Charging of Electric Vehicles Under Misalignment. , 2018, , .		5
10	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
11	A 5 MHz High-Speed Saturating Inductor DC-DC Converter Using Cycle-by-Cycle Digital Control. , 2019, , .		3
12	A compact RF power inverter with reduced EMI for a CubeSat electrothermal micro-thruster. , 2017, , .		1
13	Two-Port Up/Down DC-DC Converter for Two-Dimensional Maximum Power Point Tracking of Differential Diffusion Charge Redistribution Solar Panel. , 2019, , .		1
14	Correct-by-construction control synthesis for buck converters with event-triggered state measurement. , 2019, , .		1
15	A Fast Response DC-DC Converter with Programmable Ripple for Combined Distributed Computation and Communication. , 2021, , .		0