

# Zheng Dong

## List of Publications by Year in descending order

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19  
papers

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citations

1162889

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times ranked

175  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiphase Low Stresses High Step-Up DC-DC Converter With Self-Balancing Capacitor Voltages and Self-Averaging Inductor Currents. IEEE Transactions on Power Electronics, 2022, 37, 6913-6926.	5.4	10
2	A Survey of Battery-Supercapacitor Hybrid Energy Storage Systems: Concept, Topology, Control and Application. Symmetry, 2022, 14, 1085.	1.1	8
3	Output Bias-Free Predictive Control of Dual Active Bridge Converters in Fuel Cell Vehicles. , 2021, , .		0
4	Single-Inductor Multiple-Input Multiple-Output Converter With Common Ground, High Scalability, and No Cross-Regulation. IEEE Transactions on Power Electronics, 2021, 36, 6750-6760.	5.4	17
5	Turn-off Switching Loss Optimization Strategy with Model Predictive Control for Dual-Active-Bridge Converters. , 2021, , .		0
6	Current-Sensorless Model Predictive Control of Dual Active Bridge Converters with Kalman Filter. , 2021, , .		2
7	Complete Family of Two-Stage Single-Input Multioutput Configurations of Interconnected Power Converters. IEEE Transactions on Power Electronics, 2020, 35, 3713-3728.	5.4	16
8	Buck-Boost-Buck-Type Single-Switch Multistring Resonant LED Driver With High Power Factor and Passive Current Balancing. IEEE Transactions on Power Electronics, 2020, 35, 5132-5143.	5.4	21
9	Single-Inductor Multi-Input Multi-Output DC-DC Converter With High Flexibility and Simple Control. IEEE Transactions on Power Electronics, 2020, 35, 13104-13114.	5.4	60
10	Derivation of Single-Input Dual-Output Converters With Simple Control and No Cross Regulation. IEEE Transactions on Power Electronics, 2020, 35, 11930-11941.	5.4	12
11	Efficient Two-Cost-Function Predictive Control for A 10-MVA Cascade H-Bridge STATCOM System. , 2020, , .		0
12	Application of Current-Source-Mode Converters to Synthesis of Single-Input Dual-Output Regulators with No Cross Regulation. , 2020, , .		1
13	Circuit Theoretic Considerations of LED Driving: Voltage-Source Versus Current-Source Driving. IEEE Transactions on Power Electronics, 2019, 34, 4689-4702.	5.4	36
14	Improved efficiency quasi-two-stage current-source-mode SIMO LED driver. IET Power Electronics, 2019, 12, 3286-3294.	1.5	5
15	Series-Connected Current-Source-Mode Multiple-Output Converters With High Step-Down Ratio and Simple Control. IEEE Transactions on Power Electronics, 2019, 34, 10082-10093.	5.4	6
16	Current-Source-Mode Single-Inductor Multiple-Output LED Driver With Single Closed-Loop Control Achieving Independent Dimming Function. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 1198-1209.	3.7	46
17	Analysis of Basic Structures of Interconnected Converters for Single-Input Multiple-Output Applications. , 2018, , .		2
18	Single-Inductor Multiple-Output Current-Source Converter With Improved Cross Regulation and Simple Control Strategy. , 2018, , .		4

#	ARTICLE	IF	CITATIONS
19	Basic circuit theoretic considerations of LED driving: Voltage-source versus current-source driving, , 2016, , .		8