

Shan Yin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26

papers

388

citations

11

h-index

19

g-index

40

ext. papers

556

ext. citations

4.6

avg, IF

3.66

L-index

#	Paper	IF	Citations
26	A 1-MHz GaN-Based LCLC Resonant Step-Up Converter with Air-Core Transformer for Satellite Electric Propulsion Application. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	0
25	. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 8253-8266	7.2	5
24	A High-Resolution In Situ Condition Monitoring Circuit for SiC Gate Turn-Off Thyristor in Grid Applications. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 4115-4125	5.6	0
23	Modeling and Experimental Investigation of Electromagnetic Interference (EMI) for SiC-Based Motor Drive. <i>Energies</i> , 2020 , 13, 5173	3.1	1
22	Impact of SRC ζ Snubber on Switching Oscillation Damping of SiC MOSFET With Analytical Model. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 163-178	5.6	14
21	Analytical Modeling of Switching Characteristics of the SiC MOSFET Based on Finite State Machine 2020 ,		2
20	Enhanced-Boost Bidirectional Quasi-Z-Source Inverter With Novel Active Switched Inductor Cells. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2020 , 8, 3041-3055	5.6	12
19	Lateral GaN Schottky Barrier Diode for Wireless High-Power Transfer Application With High RF/DC Conversion Efficiency: From Circuit Construction and Device Technologies to System Demonstration. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 6597-6606	8.9	18
18	Comparative Design of Gate Drivers with Short-Circuit Protection Scheme for SiC MOSFET and Si IGBT. <i>Energies</i> , 2019 , 12, 4546	3.1	4
17	Comparative Investigation of Surge Current Capabilities of Si IGBT and SiC MOSFET for Pulsed Power Application. <i>IEEE Transactions on Plasma Science</i> , 2018 , 46, 2979-2984	1.3	7
16	A Physics-Based Compact Model of SiC Junction Barrier Schottky Diode for Circuit Simulation. <i>IEEE Transactions on Electron Devices</i> , 2018 , 65, 3095-3103	2.9	6
15	. <i>IEEE Transactions on Industrial Electronics</i> , 2018 , 65, 1051-1061	8.9	42
14	Automatic V - I Alignment for Switching Characterization of Wide Band Gap Power Devices 2018 ,		1
13	LCL Filter Design of a 50-kW 60-kHz SiC Inverter with Size and Thermal Considerations for Aerospace Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 8321-8333	8.9	46
12	An Accurate Subcircuit Model of SiC Half-Bridge Module for Switching-Loss Optimization. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 3840-3848	4.3	25
11	A 50-kW High-Frequency and High-Efficiency SiC Voltage Source Inverter for More Electric Aircraft. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 9124-9134	8.9	66
10	Experimental Comparison of High-Speed Gate Driver Design for 1.2-kV/120-A Si IGBT and SiC MOSFET Modules. <i>IET Power Electronics</i> , 2017 , 10, 979-986	2.2	22

9	Design of high-speed gate driver to reduce switching loss and mitigate parasitic effects for SiC MOSFET. <i>IET Power Electronics</i> , 2017 , 10, 1183-1189	2.2	11
8	. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 1168-1176	4.3	44
7	Comparative evaluation of WBG and Si power devices for the flyback converter 2017 ,		3
6	Effects of Nonlinearity in Input Filter on the Dynamic Behavior of an Interleaved Boost PFC Converter. <i>Energies</i> , 2017 , 10, 1530	3.1	3
5	Analytical evaluation of IGBT turn-on loss with double pulse testing 2016 ,		5
4	A 99% efficiency SiC three-phase inverter using synchronous rectification 2016 ,		19
3	Gate driver optimization to mitigate shoot-through in high-speed switching SiC half bridge module 2015 ,		19
2	Comparative investigation of double-layer and double-side micro-channel cooling for power electronics packaging 2013 ,		2
1	Elimination of reactive power in dual active bridge by hybrid of phase shift and PWM control 2013 ,		1