

Maria Rodriguez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4163953/publications.pdf>

Version: 2024-02-01

21
papers

246
citations

1478505

6
h-index

1372567

10
g-index

21
all docs

21
docs citations

21
times ranked

326
citing authors

#	ARTICLE	IF	CITATIONS
1	Reliability and Robustness Tests for Next-Generation High-Voltage SiC MOSFETs. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 4320-4329.	5.4	5
2	Discrete-Time Modeling of Pulsewidth Modulated DC-DC Converters in Subsampling Conditions. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 5962-5974.	5.4	5
3	Efficiency evaluation of a SiC-based bidirectional boost converter using TCM-ZVS with different voltage conversion ratios. , 2020, , .		1
4	Event-Focused Digital Control to Keep High Efficiency in a Wide Power Range in a SiC-Based Synchronous DC/DC Boost Converter. Electronics (Switzerland), 2020, 9, 2154.	3.1	3
5	Analysis of Intrinsic Switching Losses in Superjunction MOSFETs Under Zero Voltage Switching. Energies, 2020, 13, 1124.	3.1	1
6	SiC-Based High Efficiency High Isolation Dual Active Bridge Converter for a Power Electronic Transformer. Energies, 2020, 13, 1198.	3.1	6
7	Improving the Efficiency of SiC-Based Synchronous Boost Converter Under Variable Switching Frequency TCM and Different Input/Output Voltage Ratios. IEEE Transactions on Industry Applications, 2019, 55, 7757-7764.	4.9	14
8	Modelling the performance of a SiC-based synchronous boost converter using different conduction modes. , 2018, , .		4
9	High-accuracy modelling of ZVS energy loss in advanced power transistors. , 2018, , .		15
10	Synchronous Boost Converter With High Efficiency at Light Load Using QSW-ZVS and SiC mosfets. IEEE Transactions on Industrial Electronics, 2018, 65, 386-393.	7.9	39
11	Advanced processing for mobility improvement in 4H-SiC MOSFETs: A review. Materials Science in Semiconductor Processing, 2018, 78, 22-31.	4.0	80
12	Event-focused control strategy for a SiC-based synchronous boost converter working at different conduction modes. , 2018, , .		2
13	Novel Selection Criteria of Primary Side Transistors for LLC Resonant Converters. , 2018, , .		1
14	Different Modular Techniques Applied in a Synchronous Boost Converter With SiC MOSFETs to Obtain High Efficiency at Light Load and Low Current Ripple. IEEE Transactions on Industrial Electronics, 2017, 64, 8373-8382.	7.9	12
15	Series-connected GaN transistors for ultra-fast high-voltage switch (>1kV). , 2017, , .		11
16	Two-Domains Control of a Buck Converter. E3S Web of Conferences, 2017, 16, 14005.	0.5	0
17	High-Voltage 4H-SiC Power MOSFETs With Boron-Doped Gate Oxide. IEEE Transactions on Industrial Electronics, 2017, 64, 8962-8970.	7.9	19
18	Design and construction of a DAB using SiC MOSFETs with an isolation of 24 kV for PET applications. , 2017, , .		5

#	ARTICLE	IF	CITATIONS
19	Gate impedance characterization and performance evaluation of 3.3kV Silicon Carbide MOSFETs. , 2016, , .		0
20	Auxiliary power supply based on a modular ISOP flyback configuration with very high input voltage. , 2016, , .		22
21	Switching performance comparison of a power switch in a cascode configuration using a SuperJunction MOSFET. , 2016, , .		1