

Christoph LÃ¼decke

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Intelligent Gate Drivers for Future Power Converters. IEEE Transactions on Power Electronics, 2022, 37, 3484-3503.	7.9	39
2	Experimental analysis of the switching behavior of an IGBT using a three-stage gate driver. , 2017, , .		26
3	Toward an In-Depth Understanding of the Commutation Processes in a SiC MOSFET Switching Cell Including Parasitic Elements. IEEE Transactions on Industry Applications, 2020, 56, 4089-4101.	4.9	20
4	Experimental comparison of voltage and current source gate drivers for IGBTs. , 2017, , .		16
5	Optimized IGBT Turn-Off Switching Performance Using the Full Device Safe Operating Area. , 2019, , .		15
6	Boost stage for gate current injection during IGBT turn-on event. , 2017, , .		10
7	Impact of the Different Parasitic Inductances on the Switching Behavior of SiC MOSFETs. , 2018, , .		9
8	Closed-Loop dv/dt Control of SiC MOSFETs Yielding Minimal Losses and Machine Degradation. , 2020, , .		6
9	Balancing the Switching Losses of Paralleled SiC MOSFETs Using a Stepwise Gate Driver. , 2021, , .		5
10	Balancing Unequal Temperature Distributions of Parallel-Connected SiC MOSFETs Using an Intelligent Gate Driver. , 2021, , .		2
11	Ultra-Fast Short-Circuit Detection for SiC-MOSFETs Using DC-Link Voltage Monitoring. , 2020, , .		1