

Maximilian Nietzsche

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Closed Loop Junction Temperature Control of Power Transistors for Lifetime Extension. , 2020, , .		11
2	Junction Temperature Control System to Increase the Lifetime of IGBT-Power-Modules in Synchronous Motor Drives Without Affecting Torque and Speed. IEEE Open Journal of Power Electronics, 2020, 1, 273-283.	5.7	7
3	Miniaturization and Thermal Design of a 170 W AC/DC Battery Charger Utilizing GaN Power Devices. IEEE Open Journal of Power Electronics, 2022, 3, 13-25.	5.7	7
4	Online Monitoring of Degradation Sensitive Electrical Parameters in Inverter Operation for SiC-MOSFETs. , 2021, , .		5
5	Four-Level Inverter with Variable Voltage Levels for Hardware-in-the-Loop Emulation of Three-Phase Machines. , 2020, , .		5
6	Design Flow of a Compact High-Frequency DC/DC Converter with Optimum Average Efficiency in a Wide Operation Range. , 2020, , .		4
7	Lifetime Extension of Power Semiconductor Devices by Closed-Loop Junction Temperature Control. , 2021, , .		4
8	Efficiency Requirements for Passively Cooled Converters with Thermal Measurement Based 3D-FEM Simulation. , 2020, , .		3
9	Junction Temperature Control Strategy for Lifetime Extension of Power Semiconductor Devices. , 2020, , .		3
10	Characterization of Electrical Parameters for Health Monitoring in SiC MOSFETs during AC Power Cycling. , 2021, , .		3
11	Simple but accurate loss modelling of an IPMSM considering harmonic losses and saturation effects. , 2017, , .		2
12	Model based temperature control system to increase the expected lifetime of IGBT power modules executed on a neutral point diode clamped three level inverter. , 2017, , .		2
13	Thermal Topology Optimization for High Power Density Power Electronic Systems in Passively Cooled Housings. , 2021, , .		2
14	Investigations on Online Junction Temperature Measurement for SiC-MOSFETs Using the Gate-Signal Injection Method. , 2021, , .		2
15	Two Torque Control Algorithms of a Synchronous Reluctance Motor Drive for the Entire Operating Speed Range. , 2021, , .		2
16	Handling of disturbance variables within a multi-phase interleaved-switched inverter by a discrete-time decoupling network. , 2013, , .		1
17	Design of a full SiC three-phase power factor correction with an interleaved output buck converter. Journal of Engineering, 2019, 2019, 4143-4146.	1.1	1
18	Influence of the Filter Design on Wide-Bandgap Voltage Source Inverters with Sine Wave Filter for Electrical Drives. , 2019, , .		1

#	ARTICLE	IF	CITATIONS
19	Online Health Monitoring in Power Modules for Inverter Topologies using Isolated Parameter Acquisition. , 2021, , .		1
20	Influence Analysis of Thermally Conductive Epoxy Resin on the Electrical Design of a Compact AC/DC Converter. , 2021, , .		1
21	Common Mode Voltage Cancellation in Integrated Modular Motor Drives. , 2021, , .		1
22	Design of a 9-Level Flying Capacitor Inverter with Very Fast Response of the Controller. , 2020, , .		0
23	Accounting for Acquisition Circuit Temperature in Accurate Online Junction Temperature Estimation. , 2021, , .		0