

Yuheng Wu

List of Publications by Year in descending order

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papers

521
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687363

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22
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22
times ranked

479
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptive Multi-Level Active Gate Drivers for SiC Power Devices. IEEE Transactions on Power Electronics, 2020, 35, 1882-1898.	7.9	80
2	Busbar Design and Optimization for Voltage Overshoot Mitigation of a Silicon Carbide High-Power Three-Phase T-Type Inverter. IEEE Transactions on Power Electronics, 2021, 36, 204-214.	7.9	51
3	Internal Model-Based Disturbance Observer With Application to CVCF PWM Inverter. IEEE Transactions on Industrial Electronics, 2018, 65, 5743-5753.	7.9	49
4	Design and Validation of A 250-kW All-Silicon Carbide High-Density Three-Level T-Type Inverter. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 578-588.	5.4	48
5	An Intelligent Versatile Model-Based Trajectory-Optimized Active Gate Driver for Silicon Carbide Devices. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 429-441.	5.4	46
6	An Enhanced Model Predictive Control Using Virtual Space Vectors for Grid-Connected Three-Level Neutral-Point Clamped Inverters. IEEE Transactions on Energy Conversion, 2019, 34, 1963-1972.	5.2	43
7	A 150-kW 99% Efficient All-Silicon-Carbide Triple-Active-Bridge Converter for Solar-Plus-Storage Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 3496-3510.	5.4	29
8	A Virtual Space Vector-Based Model Predictive Control for Inherent DC-Link Voltage Balancing of Three-Level T-Type Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 1751-1764.	5.4	26
9	Optimized Switching Repetitive Control of CVCF PWM Inverters. IEEE Transactions on Power Electronics, 2018, 33, 6238-6247.	7.9	22
10	A High Efficiency and Low Cost ANPC Inverter Using Hybrid Si/SiC Switches. IEEE Open Journal of Industry Applications, 2021, 2, 154-167.	6.5	20
11	Cyclic Repetitive Control of CVCF PWM DC-AC Converters. IEEE Transactions on Industrial Electronics, 2017, 64, 9399-9409.	7.9	19
12	Discrete-Time Modified UDE-Based Current Control for LCL-Type Grid-Tied Inverters. IEEE Transactions on Industrial Electronics, 2020, 67, 2143-2154.	7.9	17
13	Uncertainty and Disturbance Estimator-Based Robust Tracking Control for Dual-Active-Bridge Converters. IEEE Transactions on Transportation Electrification, 2020, 6, 1791-1800.	7.8	15
14	Separate-Structure UDE-Based Current Resonant Control Strategy on LCL-Type Grid-Tied Inverters With Weighted Average Current Method for Improved Injected Current Quality and Robustness. IEEE Transactions on Power Electronics, 2020, 35, 13641-13651.	7.9	13
15	Electrothermal-Control Co-Design of an All Silicon Carbide 250 kW Dual Inverter for Heavy-Duty Traction Applications. IEEE Transactions on Industry Applications, 2022, 58, 505-516.	4.9	12
16	A Computational Efficient Space-Vector Modulation Scheme for A Hybrid Seven-Level Converter for Medium Voltage Grid-Tied Applications. , 2020, , .		10
17	Enhanced Direct Torque Control for a Three-Level T-Type Inverter. IEEE Transactions on Transportation Electrification, 2021, 7, 1638-1651.	7.8	6
18	An 800-V High-Density Traction Inverter Electro-Thermal Characterization and Low-Inductance PCB Busbing Design. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 3013-3023.	5.4	6

#	ARTICLE	IF	CITATIONS
19	An Optimized Silicon Carbide based 2Ä—250 kW Dual Inverter for Traction Applications. , 2020, , .		4
20	A Modular and Performance-Tunable Silicon Carbide Half-Bridge Building Block with Digital Gate Driver. , 2022, , .		3
21	An Uncertainty and Disturbance Estimator Based Voltage Control for Dual-Active-Bridge Converters. , 2019, , .		2
22	System and Component Level Risk Assessment for SiC MOSFET Based Inverter for Traction Application At High Coolant Temperatures and Off-Road Mission Profile. Journal of Electronic Packaging, Transactions of the ASME, 2021, , .	1.8	0