Yuheng Wu

List of Publications by Year
in descending order

22	521	687220 13	887953 17
papers	citations	h-index	g-index

22	22	22	479
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An 800-V High-Density Traction Inverterâ€"Electro-Thermal Characterization and Low-Inductance PCB Bussing Design. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 3013-3023.	3.7	6
2	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.	3.7	29
3	Electrothermal-Control Co-Design of an All Silicon Carbide 2Ã—250 kW Dual Inverter for Heavy-Duty Traction Applications. IEEE Transactions on Industry Applications, 2022, 58, 505-516.	3.3	12
4	A Modular and Performance-Tunable Silicon Carbide Half-Bridge Building Block with Digital Gate Driver. , 2022, , .		3
5	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.	3.7	26
6	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.	5.4	51
7	A High Efficiency and Low Cost ANPC Inverter Using Hybrid Si/SiC Switches. IEEE Open Journal of Industry Applications, 2021, 2, 154-167.	4.8	20
8	Enhanced Direct Torque Control for a Three-Level T-Type Inverter. IEEE Transactions on Transportation Electrification, 2021, 7, 1638-1651.	5.3	6
9	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, , .	1.2	0
10	Discrete-Time Modified UDE-Based Current Control for LCL-Type Grid-Tied Inverters. IEEE Transactions on Industrial Electronics, 2020, 67, 2143-2154.	5.2	17
11	Adaptive Multi-Level Active Gate Drivers for SiC Power Devices. IEEE Transactions on Power Electronics, 2020, 35, 1882-1898.	5.4	80
12	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.	3.7	46
13	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.	3.7	48
14	An Optimized Silicon Carbide based 2Ã—250 kW Dual Inverter for Traction Applications. , 2020, , .		4
15	A Computational Efficient Space-Vector Modulation Scheme for A Hybrid Seven-Level Converter for Medium Voltage Grid-Tied Applications. , 2020, , .		10
16	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.	5.4	13
17	Uncertainty and Disturbance Estimator-Based Robust Tracking Control for Dual-Active- Bridge Converters. IEEE Transactions on Transportation Electrification, 2020, 6, 1791-1800.	5.3	15
18	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.	3.7	43

#	Article	IF	Citations
19	An Uncertainty and Disturbance Estimator Based Voltage Control for Dual-Active-Bridge Converters. , 2019, , .		2
20	Internal Model-Based Disturbance Observer With Application to CVCF PWM Inverter. IEEE Transactions on Industrial Electronics, 2018, 65, 5743-5753.	5.2	49
21	Optimized Switching Repetitive Control of CVCF PWM Inverters. IEEE Transactions on Power Electronics, 2018, 33, 6238-6247.	5.4	22
22	Cyclic Repetitive Control of CVCF PWM DCâ€“AC Converters. IEEE Transactions on Industrial Electronics, 2017, 64, 9399-9409.	5.2	19