

Jiankun Zhang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Unified Boundary Trapezoidal Modulation Control Utilizing Fixed Duty Cycle Compensation and Magnetizing Current Design for Dual Active Bridge DC-DC Converter. IEEE Transactions on Power Electronics, 2017, 32, 2243-2252.	7.9	64
2	An SiC MOSFET Based Three-Phase ZVS Inverter Employing Variable Switching Frequency Space Vector PWM Control. IEEE Transactions on Power Electronics, 2019, 34, 6320-6331.	7.9	50
3	Leakage Inductor Current Peak Optimization for Dual-Transformer Current-Fed Dual Active Bridge DC-DC Converter With Wide Input and Output Voltage Range. IEEE Transactions on Power Electronics, 2020, 35, 6012-6024.	7.9	34
4	A Single-Stage Dual-Active-Bridge AC-DC Converter Employing Mode Transition Based on Real-Time Calculation. IEEE Transactions on Power Electronics, 2021, 36, 10081-10088.	7.9	31
5	A Variable Switching Frequency Space Vector Modulation Technique for Zero-Voltage Switching in Two Parallel Interleaved Three-Phase Inverters. IEEE Transactions on Power Electronics, 2019, 34, 6388-6398.	7.9	30
6	Improved Boundary Operation for Voltage-Fed Semi-DAB With ZVS Achievement and Nonactive Power Reduction. IEEE Transactions on Industrial Electronics, 2017, 64, 6179-6189.	7.9	29
7	Multimode Control Strategy for SiC mosfets Based Semi-Dual Active Bridge DC-DC Converter. IEEE Transactions on Power Electronics, 2019, 34, 5476-5486.	7.9	29
8	Dynamic Response Improvements of Parallel-Connected Bidirectional DC-DC Converters for Electrical Drive Powered by Low-Voltage Battery Employing Optimized Feedforward Control. IEEE Transactions on Power Electronics, 2017, 32, 7783-7794.	7.9	28
9	Current Ripple Prediction and DPWM-Based Variable Switching Frequency Control for Full ZVS Range Three-Phase Inverter. IEEE Transactions on Industrial Electronics, 2021, 68, 1412-1422.	7.9	27
10	A Dual Active Bridge DC-DC-Based Single Stage AC-DC Converter With Seamless Mode Transition and High Power Factor. IEEE Transactions on Industrial Electronics, 2022, 69, 1411-1421.	7.9	18
11	Varying Switching Frequency Control for Current-Fed Dual-Active Bridge DC-DC Converter With Constant Flux Density Change for Transformers. IEEE Transactions on Power Electronics, 2020, 35, 3766-3777.	7.9	4