

# Hongwu Peng

## List of Publications by Year in descending order

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14  
papers

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#	ARTICLE	IF	CITATIONS
1	Space-Charge Accumulation and Its Impact on High-Voltage Power Module Partial Discharge Under DC and PWM Waves: Testing and Modeling. IEEE Transactions on Power Electronics, 2021, 36, 11097-11108.	7.9	58
2	Design and Evaluation of Laminated Busbar for Three-Level T-Type NPC Power Electronics Building Block With Enhanced Dynamic Current Sharing. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 395-406.	5.4	53
3	Design and Evaluation of A 150 kVA SiC MOSFET Based Three Level TNPC Phase-leg PEBB for Aircraft Motor Driving Application. , 2019, , .		30
4	Comprehensive Analysis of Three-phase Three-level T-type Neutral-Point-Clamped Inverter with Hybrid Switch Combination. , 2019, , .		21
5	Modeling and Analysis of a Differential Mode Active EMI Filter With an Analog Twin Circuit. IEEE Transactions on Electromagnetic Compatibility, 2020, 62, 1591-1600.	2.2	17
6	A 1200V/650V/160A SiC+Si IGBT 3-Level T-type NPC Power Module with Optimized Loop Inductance. , 2020, , .		16
7	Vertically Stacked, Flip-Chip Wide Bandgap MOSFET Co-Optimized for Reliability and Switching Performance. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 3904-3915.	5.4	8
8	Design and Implementation of Selective Active EMI Filter with Digital Resonant Controller. , 2020, , .		7
9	Efficient circuit design for low power energy harvesting. AIP Advances, 2020, 10, .	1.3	6
10	Insulation Design and Optimization of Laminated Busbar for More Electric Aircraft Motor Driver under High Altitude and Depressurized Environments. , 2020, , .		4
11	Design of Partial-discharge-free Busbar for More-electric Aircraft Application with Low Pressure Condition. , 2021, , .		4
12	Model Based Optimization of Propulsion Inverter for More-Electric Aircraft Applications Using Double Fourier Integral Analysis. , 2020, , .		3
13	A Three-phase 450 kVA SiC-MOSFET Based Inverter With High Efficiency and High Power Density By Using 3L-TNPC. , 2021, , .		3
14	Zero-Phase-Filtering based Digital Active EMI Filter. , 2020, , .		1