

# Haimeng Wu

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Design and Development of Low Torque Ripple Variable-Speed Drive System With Six-Phase Switched Reluctance Motors. IEEE Transactions on Energy Conversion, 2018, 33, 420-429.	3.7	62
2	Nonlinear Analysis and Control of Interleaved Boost Converter Using Real-Time Cycle to Cycle Variable Slope Compensation. IEEE Transactions on Power Electronics, 2017, 32, 7256-7270.	5.4	41
3	Polynomial Curve Slope Compensation for Peak-Current-Mode-Controlled Power Converters. IEEE Transactions on Industrial Electronics, 2019, 66, 470-481.	5.2	18
4	Stability Study and Nonlinear Analysis of DC-DC Power Converters With Constant Power Loads at the Fast Timescale. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 3225-3236.	3.7	17
5	Advanced Four-Pair Architecture With Input Current Balance Function for Power Over Ethernet (PoE) System. IEEE Transactions on Power Electronics, 2013, 28, 2343-2355.	5.4	13
6	Cost-Effective and High-Efficiency Variable-Speed Switched Reluctance Drives With Ring-Connected Winding Configuration. IEEE Transactions on Energy Conversion, 2019, 34, 120-129.	3.7	13
7	Design of an Advanced Programmable Current-Source Gate Driver for Dynamic Control of SiC Device. , 2019, , .		13
8	Determination of Stray Inductance of Low-Inductive Laminated Planar Multiport Busbars Using Vector Synthesis Method. IEEE Transactions on Industrial Electronics, 2020, 67, 1337-1347.	5.2	10
9	Combining electric vehicle battery charging and battery cell equalisation in one circuit. IET Electrical Systems in Transportation, 2021, 11, 377-390.	1.5	9
10	Nonlinear analysis for interleaved boost converters based on Monodromy matrix. , 2014, , .		7
11	A ripple reduction method for a two stages battery charger with multi-winding transformer using notch filter. , 2017, , .		7
12	Stability analysis and control of nonlinear phenomena in bidirectional boost converter based on the Monodromy matrix. , 2014, , .		5
13	Data-Driven Fault Classification for Non-Inverting Buck-Boost DC-DC Power Converters Based on Expectation Maximisation Principal Component Analysis and Support Vector Machine Approaches. , 2021, , .		5
14	An improved sliding mode control (SMC) approach for enhancement of communication delay in vehicle platoon system. IET Intelligent Transport Systems, 2022, 16, 958-970.	1.7	4
15	Design and control of a bidirectional wireless charging system using GaN devices. , 2019, , .		3
16	Investigation of a GaN-based Bidirectional Wireless Power Converter using resonant inductive coupling. , 2019, , .		2
17	An Adaptive Charging Strategy of Lithium-ion Battery for Loss Reduction with Thermal Effect Consideration. , 2021, , .		1