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The  
Hong Kong Polytechnic University  
applied electromagnetics  
wireless power transfer  
power electronics

	All	Since 2020
Citations	537	535
h-index	12	12
i10-index	14	14

6 articles

6 articles

not available

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TITLE	CITED BY	YEAR
<a href="#">Comprehensive Analysis of Adaptive Soft Actor-Critic Reinforcement Learning-Based Control Framework for Autonomous Driving in Varied Scenarios</a> H Liu, J Sun, H Wang, KWE Cheng IEEE Transactions on Transportation Electrification	2	2024
<a href="#">Investigations of A Simplified PCB-Based Wireless Power Resonator Operating at 13.56 MHz</a> S Shang, J Yang, T Ji, M Fan, K Wang, H Wang 2024 10th International Conference on Power Electronics Systems and ...	1	2024
<a href="#">The Path-Tracking Method Based on Deep Deterministic Policy Gradient and Applied for High-Speed Driving</a> H Liu, J Sun, H Wang, KWE Cheng 2024 10th International Conference on Power Electronics Systems and ...		2024
<a href="#">Multiple-Input and Multiple-Output Wireless Power Transfer System with Independent Regulation Capability</a> T Hua, Z Ye, H Wang, KWE Cheng 2024 10th International Conference on Power Electronics Systems and ...		2024
<a href="#">Load and Mutual Detect Methods for Omnidirectional Wireless Power Transfer Systems Based on Third Harmonic Analysis</a> K Tang, J Yang, Z Sun, K Wang, J Zeng, H Wang 2024 10th International Conference on Power Electronics Systems and ...		2024
<a href="#">A Simultaneous Wireless Power and Data Transfer Method Utilizing a Novel Coupler Design for Rotary Steerable Systems</a> X Li, Z Li, UK Madawala, H Wang, Y Sun, X Dai, J Hu IEEE Transactions on Power Electronics	8	2024
<a href="#">A Dual-coupled Double-LCC System with the Capability of Misalignment Tolerance Improvement for Wireless Charging Substation Inspection Robots</a> X Li, F Yu, UK Madawala, H Wang, H Feng, X Dai, J Hu IEEE Transactions on Power Electronics	2	2024
<a href="#">Advanced Magnetic Coupler Design With Multi-Directional Anti-Misalignment Capabilities for Wireless Charging Unmanned Aerial Vehicles</a> H Wang, Y Wu, X Li, X Dai, Y Sun, J Hu IEEE Transactions on Circuits and Systems II: Express Briefs	7	2024

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<a href="#">Frequency Regulation Scheme for Double-Sided LCC Compensated Inductive Power Transfer Systems With Quasi-Load-Independent Outputs</a> K Wang, Y Yang, H Wang, EKW Cheng 2023 IEEE Energy Conversion Congress and Exposition (ECCE), 6383-6388	1	2023
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<a href="#">A Robust Wireless Power Transfer System with Self Alignment Capability and Controllable Output Current for Automatic Guided Vehicles</a> X Li, C Wang, H Wang, X Dai, Y Sun, AP Hu IEEE Transactions on Power Electronics	62	2023
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<a href="#">An Integrated Design of Cost-effective Bipolar Hexagonal Coil and Active Disturbance Rejection Control for Wireless Power Transfer</a> H Wang, S Zhuo, F Gao, E Breaz, A Gaillard, KWE Cheng 2022 IEEE Transportation Electrification Conference & Expo (ITEC), 617-622	1	2022
<a href="#">Analysis, design, and validation of a decoupled double-receiver wireless power transfer system with constant voltage outputs for industrial power supplies</a> H Wang, KWE Cheng IEEE Transactions on Industrial Informatics 19 (1), 362-370	37	2022
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<a href="#">A Special Magnetic Coupler Structure for Three-Coil Wireless Power Transfer: Analysis, Design, and Experimental Verification</a> H Wang, KWE Cheng, X Li, J Hu IEEE Transactions on Magnetics 57 (11), 1-8	30	2021
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