

Jilong Liu

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Optimal Phase-Shifted Modulation Method for Suppressing the Current Ripple of Modular Multilevel Converter-Bidirectional DC-DC Converter Under Unbalanced Operation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 690-703. | 5.4 | 4 |
| 2 | Control Strategy for Bidirectional DC-DC Converter Based on Cascade Connection of LC Filter and DAB Converter. Journal of Electrical Engineering and Technology, 2022, 17, 1829-1844. | 2.0 | 2 |
| 3 | Unbalanced control strategy featuring inconsistent sub-module voltage for modular multilevel converter-bidirectional DC-DC converter. Journal of Power Electronics, 2022, 22, 750-763. | 1.5 | 3 |
| 4 | Bidirectional Power Control Strategy for Super Capacitor Energy Storage System Based on MMC DC-DC Converter. IEEE Access, 2022, 10, 53225-53233. | 4.2 | 7 |
| 5 | HF Pulsating Carrier Voltage Injection Method Based on Improved Position Error Signal Extraction Strategy for PMSM Position Sensorless Control. IEEE Transactions on Power Electronics, 2021, 36, 9348-9360. | 7.9 | 18 |
| 6 | Lyapunov-Function-Based Feedback Linearization Control Strategy of Modular Multilevel Converter-Bidirectional DC-DC Converter for Vessel Integrated Power Systems. Energies, 2021, 14, 4691. | 3.1 | 2 |
| 7 | A Low-Cost High-Performance Voltage Sensing Circuit With Proactive Parameter Design Compensation Network for SiC MOSFETs. IEEE Transactions on Industrial Electronics, 2021, 68, 11532-11543. | 7.9 | 4 |
| 8 | A novel filtering algorithm for the resolver position signal based on recursive least squares and phase-locked loop. IET Power Electronics, 2021, 14, 2535-2544. | 2.1 | 0 |
| 9 | Unbalanced Operation Principle and Fast Balancing Charging Strategy of a Cascaded Modular Multilevel Converter-Bidirectional DC-DC Converter in the Shipboard Applications. IEEE Transactions on Transportation Electrification, 2020, 6, 1265-1278. | 7.8 | 14 |
| 10 | Analysis and compensation of the rotor position offset error and time delay in field-oriented-controlled PMSM drives. IET Power Electronics, 2020, 13, 1911-1918. | 2.1 | 13 |
| 11 | Optimization of maximum torque output in the wide speed range of a PMSM traction control system. Journal of Power Electronics, 2020, 20, 152-162. | 1.5 | 4 |
| 12 | Rotation-frequency oscillations suppression strategy for AC drive system with large inertia rotating load. IET Electric Power Applications, 2020, 14, 2412-2421. | 1.8 | 2 |
| 13 | Load Torque and Moment of Inertia Identification for Permanent Magnet Synchronous Motor Drives Based on Sliding Mode Observer. IEEE Transactions on Power Electronics, 2019, 34, 5675-5683. | 7.9 | 80 |
| 14 | Six-Step Mode Control of IPMSM for Railway Vehicle Traction Eliminating the DC Offset in Input Current. IEEE Transactions on Power Electronics, 2019, 34, 8981-8993. | 7.9 | 17 |
| 15 | Three-Phase Three-Level Phase-Shifted PWM DC-DC Converter for Electric Ship MVDC Application. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 162-170. | 5.4 | 26 |
| 16 | Optimal modulation strategy based on fundamental reactive power for dual-active-bridge converters. Journal of Power Electronics, 0, , 1. | 1.5 | 1 |