

Hu Cungang

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	An Improved Virtual Space Vector Modulation Scheme for Three-Level Active Neutral-Point-Clamped Inverter. IEEE Transactions on Power Electronics, 2017, 32, 7419-7434.	7.9	88
2	Online Energy Sharing for Nanogrid Clusters: A Lyapunov Optimization Approach. IEEE Transactions on Smart Grid, 2018, 9, 4624-4636.	9.0	71
3	Neutral-Point potential balancing control strategy of three-level active NPC inverter based on SHEPWM. IET Power Electronics, 2017, 10, 1943-1950.	2.1	35
4	A Nine-Level Inverter for Low-Voltage Applications. IEEE Transactions on Power Electronics, 2020, 35, 1659-1671.	7.9	32
5	A distributed charging strategy based on day ahead price model for PV-powered electric vehicle charging station. Applied Soft Computing Journal, 2019, 76, 638-648.	7.2	29
6	Adaptive backstepping sliding mode control for 3-DOF permanent magnet spherical actuator. Aerospace Science and Technology, 2017, 67, 62-71.	4.8	23
7	A Fast Multi-Switched Inductor Balancing System Based on a Fuzzy Logic Controller for Lithium-Ion Battery Packs in Electric Vehicles. Energies, 2017, 10, 1034.	3.1	21
8	A Novel Active Online State of Charge Based Balancing Approach for Lithium-Ion Battery Packs during Fast Charging Process in Electric Vehicles. Energies, 2017, 10, 1766.	3.1	19
9	A Bidirectional Synchronous/Asynchronous Rectifier Control for Wide Battery Voltage Range in SiC Bidirectional LLC Chargers. IEEE Transactions on Power Electronics, 2022, 37, 6090-6101.	7.9	18
10	A Full State-Variable Direct Predictive Control for Islanded Microgrids With Parallel Converters. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 4615-4628.	5.4	14
11	Distributed Peer-to-Peer Electricity Trading Considering Network Loss in a Distribution System. Energies, 2019, 12, 4318.	3.1	12
12	An Impedance-Based Digital Synchronous Rectifier Driving Scheme for Bidirectional High-Voltage SiC LLC Converter. IEEE Transactions on Industrial Electronics, 2022, 69, 11314-11323.	7.9	12
13	Neutral-Point Potential Balancing Control Strategy for Three-Level ANPC Converter Using SHEPWM Scheme. Energies, 2019, 12, 4328.	3.1	7
14	Investigation of Thermally Induced Threshold Voltage Shift in Normally-OFF p-GaN Gate HEMTs. IEEE Transactions on Electron Devices, 2022, 69, 2287-2292.	3.0	7
15	A MMC-Based Multiport AC-DC Converter for Hybrid AC/DC Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 3567-3571.	3.0	4
16	On the physics link between time-dependent gate breakdown and electroluminescence in Schottky-type p-GaN gate HEMTs. , 2022, , .		4
17	Cascaded H-bridge multilevel converter for grid connection of photovoltaic system. , 2015, , .		3
18	A new method of islanding detection based on voltage positive feedback. , 2016, , .		3

#	ARTICLE	IF	CITATIONS
19	Study on a new method to eliminate the common-mode voltage based on improved SHEPWM. , 2015, , .		2
20	Networked-based distributed cooperative voltage control for power electronics interfaced microgrids. , 2016, , .		2
21	Fuzzy logic controller for battery balancing system for lithium-iron phosphate battery pack. , 2017, , .		2
22	The energy management strategy of village microgrids based on game theory. , 2018, , .		2
23	Research of hybrid PV inverter with energy storage function. , 2014, , .		1
24	A Dual-Source Inductive Power Transfer System Optimized with Large Misalignment Tolerance. , 2020, , .		1
25	Research on a photovoltaic system of MPPT hysteresis control based on adaptive FIR filter. , 2014, , .		0
26	Three-phase PV inverter based on segmentation fuzzy PID control. , 2014, , .		0
27	Improved active cell balancing approach based on state of charge for lithium iron phosphate batteries. , 2018, , .		0
28	Effect of switching frequency and floating capacitor for five-level inverter. , 2018, , .		0
29	Nash Bargaining Based Active and Reactive Energy Trading Method for Microgrids in Distribution Network. , 2021, , .		0
30	Robust Game Optimization Scheduling Method for User-side Distributed Energy Storage. , 2021, , .		0
31	ANPC Three-level Model Predictive Control Strategy Without Weight Factor. , 2020, , .		0
32	Output Feedback Stabilization by a New Dynamic Gain for a Class of Nonlinear Time-Delay Systems with Sensor Uncertainties. , 2022, , .		0