

Changsong Chen

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

2,113
citations

471477

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526264

27
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47
docs citations

47
times ranked

2232
citing authors

#	ARTICLE	IF	CITATIONS
1	An Asymmetrical Pulsewidth Modulation With Even Harmonics for Bidirectional Inductive Power Transfer Under Light Load Conditions. IEEE Transactions on Industrial Electronics, 2022, 69, 8939-8948.	7.9	5
2	Dual-Side Asymmetrical Voltage-Cancelation Control for Bidirectional Inductive Power Transfer Systems. IEEE Transactions on Industrial Electronics, 2021, 68, 8061-8071.	7.9	15
3	A Current Control Method With Extended Bandwidth for Vienna Rectifier Considering Wide Inductance Variation. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 590-601.	5.4	13
4	A Fundamental-Harmonic Hybrid Power Transfer Strategy for Bidirectional Inductive Power Transfer. , 2021, , .		1
5	Multi-objective Optimization Strategy for Intelligent Charging and Discharging Station of Electric Vehicles in the Distribution Network. , 2021, , .		0
6	Generalized VSG Control Strategy for Active Power Transient Characteristic Optimization of Voltage Source Inverter. , 2021, , .		1
7	A Hybrid Control Method for Neutral-Point Voltage Balancing in Three-Level Inverters. IEEE Transactions on Power Electronics, 2021, 36, 8575-8582.	7.9	7
8	Cooperative Multi-Objective Optimization of DC Multi-Microgrid Systems in Distribution Networks. Applied Sciences (Switzerland), 2021, 11, 8916.	2.5	7
9	Dual-Side Three-stage Asymmetric Phase Shift Strategy for Bidirectional Inductive Power Transfer System with SiC Power Module. , 2021, , .		1
10	An Optimized Modulation Strategy for the Three-Level DAB Converter With Five Control Degrees of Freedom. IEEE Transactions on Industrial Electronics, 2020, 67, 254-264.	7.9	42
11	A Price Optimization Method for Microgrid Economic Operation Considering Across-Time-and-Space Energy Transmission of Electric Vehicles. IEEE Transactions on Industrial Informatics, 2020, 16, 1873-1884.	11.3	27
12	A Digital Phase Synchronization Method for Bidirectional Inductive Power Transfer. IEEE Transactions on Industrial Electronics, 2020, 67, 6450-6460.	7.9	23
13	Current Ripple Analysis of Three-Phase Vienna Rectifier Considering Inductance Variation of Powder Core Inductor. IEEE Transactions on Power Electronics, 2020, 35, 4568-4578.	7.9	13
14	A Hybrid Space-Vector Modulation Method for Harmonics and Current Ripple Reduction of Interleaved Vienna Rectifier. IEEE Transactions on Industrial Electronics, 2020, 67, 8088-8099.	7.9	30
15	Model predictive control with improved discrete space vector modulation for three-level Vienna rectifier. IET Power Electronics, 2019, 12, 1998-2004.	2.1	17
16	Cooperative Optimization of Electric Vehicles and Renewable Energy Resources in a Regional Multi-Microgrid System. Applied Sciences (Switzerland), 2019, 9, 2267.	2.5	17
17	A Control Strategy for Efficiency Optimization and Wide ZVS Operation Range in Bidirectional Inductive Power Transfer System. IEEE Transactions on Industrial Electronics, 2019, 66, 5958-5969.	7.9	96
18	A Carrier-Based Discontinuous PWM Method With Varying Clamped Area for Vienna Rectifier. IEEE Transactions on Industrial Electronics, 2019, 66, 7177-7188.	7.9	48

#	ARTICLE	IF	CITATIONS
19	Cooperative Optimization of Electric Vehicles in Microgrids Considering Across-Time-and-Space Energy Transmission. IEEE Transactions on Industrial Electronics, 2019, 66, 1532-1542.	7.9	20
20	Analysis and Modeling of Dual-half-bridge Converter Applied in High-Voltage Battery Balancing. , 2018, , .		4
21	Optimized Feed-forward Control Scheme for Vienna Rectifier with Estimated Load-Current. , 2018, , .		1
22	Cooperative Optimization of Electric Vehicles and Renewable Energy Sources in Regional Multi-Microgrid System. , 2018, , .		0
23	Dual Phase-Shifted Modulation Strategy for the Three-Level Dual Active Bridge DC-DC Converter. IEEE Transactions on Industrial Electronics, 2017, 64, 7819-7830.	7.9	100
24	Economic analysis of a regional coordinated microgrids system considering optimal PEVs allocation. , 2016, , .		1
25	An LCC-Compensated Resonant Converter Optimized for Robust Reaction to Large Coupling Variation in Dynamic Wireless Power Transfer. IEEE Transactions on Industrial Electronics, 2016, 63, 6591-6601.	7.9	249
26	A General Design Method of Primary Compensation Network for Dynamic WPT System Maintaining Stable Transmission Power. IEEE Transactions on Power Electronics, 2016, , 1-1.	7.9	112
27	A Variable Duty Cycle Soft Startup Strategy for <i>LLC</i> Series Resonant Converter Based on Optimal Current-Limiting Curve. IEEE Transactions on Power Electronics, 2016, 31, 7996-8006.	7.9	31
28	Microgrid economic operation considering plug-in hybrid electric vehicles integration. Journal of Modern Power Systems and Clean Energy, 2015, 3, 221-231.	5.4	30
29	Performance analysis and capacitor design of three-phase uncontrolled rectifier in slightly unbalanced grid. IET Power Electronics, 2015, 8, 1429-1439.	2.1	9
30	Centralized control of parallel connected power conditioning system in electric vehicle charge-discharge and storage integration station. Journal of Modern Power Systems and Clean Energy, 2015, 3, 269-276.	5.4	10
31	Stability analysis of instantaneous average current sharing control strategy for parallel operation of UPS modules. , 2015, , .		5
32	Adaptive current-sharing control strategy with virtual circulating impedance for parallel operation of UPS. , 2015, , .		3
33	Optimal Design Methodology for <i>LLC</i> Resonant Converter in Battery Charging Applications Based on Time-Weighted Average Efficiency. IEEE Transactions on Power Electronics, 2015, 30, 5469-5483.	7.9	150
34	Centralized control of large capacity parallel connected power conditioning system for battery energy storage system in microgrid. , 2014, , .		13
35	An improved start-up method for LLC series resonant converter based on state-plane analysis. , 2014, , .		11
36	Coordinate control of parallel connected power conditioning system for battery energy storage system in Microgrid. , 2014, , .		6

#	ARTICLE	IF	CITATIONS
37	Optimal Integration of Plug-In Hybrid Electric Vehicles in Microgrids. IEEE Transactions on Industrial Informatics, 2014, 10, 1917-1926.	11.3	112
38	Optimal allocation of distributed generation and energy storage system in microgrids. IET Renewable Power Generation, 2014, 8, 581-589.	3.1	47
39	Optimal design method for LLC resonant converter with wide range output voltage. , 2013, , .		15
40	Centralized control of parallel connected power conditioning system for battery energy storage system in charge-discharge-storage power station. , 2013, , .		3
41	Low frequency ripple propagation analysis in LLC resonant converter base on signal modulation-demodulation theory. , 2013, , .		2
42	Low frequency ripple propagation analysis in LLC resonant converter based on signal modulation-demodulation theory and reduction based on PIR control strategy. , 2013, , .		7
43	Compound synchronous reference frame PLL and unbalance control strategy for power conditioning system in weak grids. , 2012, , .		1
44	Optimal Allocation and Economic Analysis of Energy Storage System in Microgrids. IEEE Transactions on Power Electronics, 2011, 26, 2762-2773.	7.9	321
45	Online 24-h solar power forecasting based on weather type classification using artificial neural network. Solar Energy, 2011, 85, 2856-2870.	6.1	482
46	Techno-economical analysis of Vanadium redox and Lead-acid batteries in stand-alone photovoltaic systems. , 2010, , .		4
47	A novel parameter design method of dual-loop control strategy for grid-connected inverters with LCL filter. , 2009, , .		1