

Wanjun Lei

List of Publications by Year in descending order

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33
papers

567
citations

1478505

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h-index

1588992

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all docs

33
docs citations

33
times ranked

607
citing authors

#	ARTICLE	IF	CITATIONS
1	Full-state discrete-time model-based stability analysis and parameter design of dual active bridge converter in energy storage system. IET Power Electronics, 2022, 15, 1229-1248.	2.1	5
2	Reliability Modeling for Metallized Film Capacitors Based on Time-Varying Stress Mission Profile and Aging of ESR. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 4311-4319.	5.4	16
3	Improved Implementation and Analysis of Modal Frequency Sensitivity. , 2021, , .		0
4	Discrete-time modelling and stability analysis of wireless power transfer system. IET Power Electronics, 2021, 14, 2260-2277.	2.1	4
5	Application of Resonance Modal Analysis Index for Resonance Frequency Shifting. , 2021, , .		0
6	Reliability Analysis and Design of MMC Based on Mission Profile for the Components Degradation. IEEE Access, 2020, 8, 149940-149951.	4.2	10
7	Decomposed Discrete-Time Model and Multiscale Oscillations Analysis of the DAB Converter. IEEE Transactions on Power Electronics, 2020, 35, 9133-9150.	7.9	6
8	Accurate Impedance Modeling and Control Strategy for Improving the Stability of DC System in Multiterminal MMC-Based DC Grid. IEEE Transactions on Power Electronics, 2020, 35, 10026-10049.	7.9	51
9	Parameter Designing Method of Active Damping LCL Filter For Grid-Connected Inverter. , 2020, , .		2
10	Transient Current Constraint of DAB Converter Based on Model Predictive Control. , 2020, , .		4
11	Reliability and Lifetime Analysis Considering IGBT Thermal Resistance Performance Degradation based on Hydropower Mission Profile of MMC. , 2020, , .		1
12	Reliability analysis of modular multilevel converter system under different submodule topologies. , 2020, , .		3
13	A Tuning Method of Selective Harmonic Voltage Compensator for Distributed Generators. , 2019, , .		2
14	The Output-voltage-ripple Analysis of Dual Active Bridge Converter Based on a Novel Ripple Recovery Technique. , 2019, , .		1
15	Stability analysis of digitally controlled dual active bridge converters. Journal of Modern Power Systems and Clean Energy, 2018, 6, 375-383.	5.4	9
16	Primary Control Strategy of Magnetic Resonant Wireless Power Transfer Based on Steady-State Load Identification Method. , 2018, , .		12
17	A phase-shift soft-switching control strategy for dual active wireless power transfer system. , 2017, , .		30
18	Unified Triple-Phase-Shift Control to Minimize Current Stress and Achieve Full Soft-Switching of Isolated Bidirectional DC-DC Converter. IEEE Transactions on Industrial Electronics, 2016, 63, 4169-4179.	7.9	328

#	ARTICLE	IF	CITATIONS
19	Full discrete-time modeling and stability analysis of the digital controlled dual active bridge converter. , 2016, , .		10
20	Research on the current control method of N-paralleled converter system for the high-power inductor tester. , 2016, , .		0
21	Optimized modulation scheme for isolated bidirectional dual active bridge DC-DC converter to minimize current stress in the whole load range. , 2015, , .		1
22	Research on Active Harmonic Resister based on repetitive control technique. , 2014, , .		0
23	Maximum modulation index for modular multilevel converter with circulating current control. , 2014, , .		11
24	A novel LCL filter parameter design method basing on resonant frequency optimization of three-level NPC grid connected inverter. , 2014, , .		7
25	Model predictive control of modular multilevel converter with reduced computational load. , 2014, , .		18
26	A novel neutral point voltage automatic balancing carrier-based modulation strategy of three-level NPC converter. , 2014, , .		3
27	Modified unified PWM control to operate the dual active bridge converters under ZVS in the whole load range. , 2013, , .		6
28	Unified PWM control to minimize conduction losses under ZVS in the whole operating range of dual active bridge converters. , 2013, , .		13
29	Research on 3300V IGBTs' switching characteristics and design the gate drive circuit. , 2012, , .		1
30	Parameter identification of an induction motor at standstill using vector constructing method. , 2010, , .		3
31	Development of a resonance-free power quality controller for middle voltage distribution system. , 2008, , .		0
32	A Comprehensive Power Quality Controller for Substations in Power System. , 0, , .		5
33	Development of a Parallel Hybrid Power Filter with Respective Harmonic Compensation Method. , 0, , .		5