

Jinwei He

List of Publications by Year in descending order

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papers

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61
docs citations

61
times ranked

2672
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis, Design, and Implementation of Virtual Impedance for Power Electronics Interfaced Distributed Generation. IEEE Transactions on Industry Applications, 2011, 47, 2525-2538.	3.3	589
2	Investigation and Active Damping of Multiple Resonances in a Parallel-Inverter-Based Microgrid. IEEE Transactions on Power Electronics, 2013, 28, 234-246.	5.4	419
3	An Islanding Microgrid Power Sharing Approach Using Enhanced Virtual Impedance Control Scheme. IEEE Transactions on Power Electronics, 2013, 28, 5272-5282.	5.4	408
4	An Enhanced Microgrid Load Demand Sharing Strategy. IEEE Transactions on Power Electronics, 2012, 27, 3984-3995.	5.4	353
5	A Flexible Harmonic Control Approach Through Voltage-Controlled DG-Grid Interfacing Converters. IEEE Transactions on Industrial Electronics, 2012, 59, 444-455.	5.2	352
6	Generalized Closed-Loop Control Schemes with Embedded Virtual Impedances for Voltage Source Converters with LC or LCL Filters. IEEE Transactions on Power Electronics, 2012, 27, 1850-1861.	5.4	349
7	An Enhanced Islanding Microgrid Reactive Power, Imbalance Power, and Harmonic Power Sharing Scheme. IEEE Transactions on Power Electronics, 2015, 30, 3389-3401.	5.4	317
8	Active Harmonic Filtering Using Current-Controlled, Grid-Connected DG Units With Closed-Loop Power Control. IEEE Transactions on Power Electronics, 2014, 29, 642-653.	5.4	201
9	Flexible Microgrid Power Quality Enhancement Using Adaptive Hybrid Voltage and Current Controller. IEEE Transactions on Industrial Electronics, 2014, 61, 2784-2794.	5.2	157
10	Hybrid Voltage and Current Control Approach for DG-Grid Interfacing Converters With LCL filters. IEEE Transactions on Industrial Electronics, 2013, 60, 1797-1809.	5.2	150
11	Inverse Power Factor Droop Control for Decentralized Power Sharing in Series-Connected-Microconverters-Based Islanding Microgrids. IEEE Transactions on Industrial Electronics, 2017, 64, 7444-7454.	5.2	80
12	Simultaneous Microgrid Voltage and Current Harmonics Compensation Using Coordinated Control of Dual-Interfacing Converters. IEEE Transactions on Power Electronics, 2017, 32, 2647-2660.	5.4	59
13	Hybrid Microgrid With Parallel- and Series-Connected Microconverters. IEEE Transactions on Power Electronics, 2018, 33, 4817-4831.	5.4	50
14	A Simple Decentralized Islanding Microgrid Power Sharing Method Without Using Droop Control. IEEE Transactions on Smart Grid, 2018, 9, 6128-6139.	6.2	45
15	An Improved Grid Current and DC Capacitor Voltage Balancing Method for Three-Terminal Hybrid AC/DC Microgrid. IEEE Transactions on Smart Grid, 2019, 10, 5876-5888.	6.2	39
16	A Coupled Virtual Impedance for Parallel AC/DC Converter Based Power Electronics System. IEEE Transactions on Smart Grid, 2019, 10, 3387-3400.	6.2	38
17	Deadbeat Weighted Average Current Control With Corrective Feed-Forward Compensation for Microgrid Converters With Nonstandard LCL Filter. IEEE Transactions on Power Electronics, 2017, 32, 2661-2674.	5.4	37
18	Analysis and design of interfacing inverter output virtual impedance in a low voltage microgrid. , 2010, , .		33

#	ARTICLE	IF	CITATIONS
19	An accurate reactive power sharing control strategy for DG units in a microgrid. , 2011, , .		29
20	A Simple Autonomous Phase-Shifting PWM Approach for Series-Connected Multi-Converter Harmonic Mitigation. IEEE Transactions on Power Electronics, 2019, 34, 11516-11520.	5.4	27
21	SVM Strategies for Simultaneous Common-Mode Voltage Reduction and DC Current Balancing in Parallel Current Source Converters. IEEE Transactions on Power Electronics, 2018, 33, 8859-8871.	5.4	25
22	Opportunities for power quality improvement through DG-grid interfacing converters. , 2010, , .		22
23	Hierarchical Control of Series-Connected String Converter-Based Islanded Electrical Power System. IEEE Transactions on Power Electronics, 2020, 35, 359-372.	5.4	19
24	An SVM Approach for Five-Phase Current Source Converters Output Current Harmonics and Common-Mode Voltage Mitigation. IEEE Transactions on Industrial Electronics, 2020, 67, 5232-5245.	5.2	19
25	Equal Loading Rate Based Master-Slave Voltage Control for VSC Based DC Distribution Systems. IEEE Transactions on Power Delivery, 2020, 35, 2252-2259.	2.9	19
26	A Fault-Tolerant Operation Approach for Grid-Tied Five-Phase Current-Source Converters With One-Phase Supplying Wire Broken. IEEE Transactions on Power Electronics, 2019, 34, 6200-6218.	5.4	18
27	A Dual-Loop Control to Ensure Fast and Stable Fault-Tolerant Operation of Series Resonant DAB Converters. IEEE Transactions on Power Electronics, 2020, 35, 10994-11012.	5.4	17
28	Cascaded Droop and Inverse Droop Regulation for Two-Layer Coordinated Power Flow Control in Series-Connected Power Cells. IEEE Transactions on Industrial Electronics, 2021, 68, 6939-6951.	5.2	14
29	An Enhanced Power Regulation and Seamless Operation Mode Transfer Control Through Cooperative Dual-Interfacing Converters. IEEE Transactions on Smart Grid, 2018, 9, 5576-5587.	6.2	13
30	Quasi-Selective Harmonic Elimination (Q-SHE) Modulation-Based DC Current Balancing Method for Parallel Current Source Converters. IEEE Transactions on Power Electronics, 2019, 34, 7422-7436.	5.4	12
31	Parallel-Converter System Grid Current Switching Ripples Reduction Using a Simple Decentralized Interleaving PWM Approach. IEEE Transactions on Power Electronics, 2020, 35, 8581-8592.	5.4	12
32	Comparative analysis of closed-loop current control of grid connected converter with LCL filter. , 2011, , .		11
33	Online Diagnosis and Ride-Through Operation for Cascaded H-Bridge Converter Based STATCOM With a Single Open-Circuit IGBT. IEEE Transactions on Industrial Electronics, 2022, 69, 7549-7559.	5.2	11
34	Input resonance investigation and LC filter design for PWM Current Source Rectifiers. , 2010, , .		10
35	An islanding microgrid reactive power sharing scheme enhanced by programmed virtual impedances. , 2012, , .		10
36	An Active Bypass Pulse Injection-Based Low Switching Frequency PWM Approach for Harmonic Compensation of Current-Source Converters. IEEE Transactions on Power Electronics, 2021, 36, 1614-1625.	5.4	9

#	ARTICLE	IF	CITATIONS
37	Microgrid reactive and harmonic power sharing using enhanced virtual impedance. , 2013, , .		8
38	A distribution system harmonic compensation approach using DG-grid interfacing converters at low switching frequency. , 2014, , .		8
39	One novel variable step-size MPPT algorithm for photovoltaic power generation. , 2012, , .		7
40	A Broad Frequency Range Harmonic Reduction for Cascaded-Power-Cell-Based Islanded Microgrid With Lumped PCC Filter. IEEE Transactions on Power Electronics, 2020, 35, 9251-9266.	5.4	7
41	Circuit Dynamics Analysis and Control of the Full-Bridge Five-Branch Modular Multilevel Converter for Comprehensive Power Quality Management of Cophase Railway Power System. IEEE Transactions on Industrial Electronics, 2022, 69, 3278-3291.	5.2	7
42	One new model based predictive torque control algorithm for doubly salient permanent magnet synchronous machines. , 2012, , .		6
43	An accurate autonomous islanding microgrid reactive power, imbalance power and harmonic power sharing scheme. , 2013, , .		6
44	Current balancing control for multi-port hybrid AC/DC microgrid. , 2017, , .		6
45	Aggregated-Impedance-Based Stability Analysis for a Parallel-Converter System Considering the Coupling Effect of Voltage Feedforward Control and Reactive Power Injection. IEEE Transactions on Power Electronics, 2021, 36, 5954-5970.	5.4	5
46	An improved current control scheme for grid-connected DG unit based distribution system harmonic compensation. , 2013, , .		3
47	Parallel interlinking PWM current source converter for hybrid AC/DC microgrids. , 2017, , .		3
48	Generalized closed-loop control (GCC) schemes with embedded virtual impedances for voltage source converters. , 2011, , .		1
49	Low-Frequency Oscillation Suppression in Series Resonant Dual-Active-Bridge Converters under Fault Tolerant Operation. , 2019, , .		1
50	Unified-Phase-Shift Control Method of Dual Active Bridge DC-DC Converter for Data Center Application. , 2021, , .		1
51	An Adaptive Voltage Control for DC/AC Converter with a Combined Inductor/Capacitor Voltage Sensing. , 2019, , .		0
52	Parallel grid-tied Converters line current harmonic reduction through decentralized interleaving PWM modulation. , 2019, , .		0
53	An Islanded Microgrid Using Open End Stator DFIG with Inherent Energy Storage Unit. , 2019, , .		0
54	Resonance propagation analysis for inverter-dominated multi-AC bus systems. IET Renewable Power Generation, 2021, 15, 2149-2159.	1.7	0

#	ARTICLE	IF	CITATIONS
55	Local Load Harmonic Current Compensation Using Coordinated Control of High Power Parallel Photovoltaic Current Source Inverters. , 2020, , .		0
56	A Simple Switching Ripples Reduction Method for Split DC Capacitor Three-Phase Four-Wire Grid-Tied Inverters. , 2020, , .		0
57	Hybrid APF Background Harmonic Voltage Damping Control Method. , 2020, , .		0
58	Improvement of voltage adaptability for decentralised doubly-fed induction generator wind power system based on nine-switch converter. IET Renewable Power Generation, 0, , .	1.7	0
59	The Power-Based Control with Extended-Phase-Shift modulation for Dual Active Bridge DC-DC Converter. , 2021, , .		0
60	Voltage Power Quality Control for dc Power Distribution System with Large Voltage Variations using Buck-Boost Dual Active Bridge Converter. , 2021, , .		0
61	Simultaneous Feeder Resonance Damping and Load Current Harmonic Compensation Using Multi-functional DG Units. , 2021, , .		0