

Xiaohua Wu

List of Publications by Year in descending order

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474
citing authors

#	ARTICLE	IF	CITATIONS
1	Local-Dictionary Sparsity Discriminant Preserving Projections for Rotating Machinery Fault Diagnosis Based on Pre-Selected Multi-Domain Features. IEEE Sensors Journal, 2022, 22, 8781-8794.	4.7	4
2	Distributed Dynamic Event-Triggered Power Management Strategy for Global Economic Operation in High-Power Hybrid AC/DC Microgrids. IEEE Transactions on Sustainable Energy, 2022, 13, 1830-1842.	8.8	5
3	An Autonomous Control Scheme of Global Smooth Transitions for Bidirectional DC-DC Converter in DC Microgrid. IEEE Transactions on Energy Conversion, 2021, 36, 950-960.	5.2	20
4	Variable Gate Voltage Driving Circuits for Mitigation of Coupling Noise in Silicon Carbide MOSFET. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 6761-6772.	5.4	1
5	Joint Sparsity and Collaboration Preserving Projections for Rotating Electrical Machinery Fault Diagnosis. IEEE Access, 2020, 8, 189842-189854.	4.2	2
6	A Quasi-Multilevel Gate Driver for Fast Switching and Crosstalk Suppression of SiC Devices. IEEE Access, 2020, 8, 191403-191412.	4.2	7
7	A Novel Assorted Nonlinear Stabilizer for DC-DC Multilevel Boost Converter With Constant Power Load in DC Microgrid. IEEE Transactions on Power Electronics, 2020, 35, 11181-11192.	7.9	56
8	Power Electronic Transformer based DC Network for Household Applications. , 2019, , .		1
9	Stability Condition and Numerical Dispersion of Fourth-Order Compact Precise-Integration Time-Domain Method. IEEE Transactions on Magnetics, 2019, 55, 1-4.	2.1	2
10	Small-Signal Discrete-Time Modeling and Stability Analysis of Digital-Controlled DC-AC Converter with Symmetric PWM. , 2019, , .		1
11	Simplified Small-Signal Discrete-Time Modeling Approach for Digital-Controlled PWM Converters. , 2019, , .		2
12	A Novel Bidirectional Solid-State Circuit Breaker for DC Microgrid. IEEE Transactions on Industrial Electronics, 2019, 66, 5707-5714.	7.9	86
13	Suppression of Switching Crosstalk and Voltage Oscillations in a SiC MOSFET Based Half-Bridge Converter. Energies, 2018, 11, 3111.	3.1	27
14	Analysis of Nonlinear Variable Frequency Control for Dual-Input Switched-Capacitor Networks Converter. , 2018, , .		0
15	An Efficient Regional Sensitivity Analysis Method Based on Failure Probability with Hybrid Uncertainty. Energies, 2018, 11, 1684.	3.1	1
16	Elastic Net Representation-based Projections for Bearing Fault Classification. , 2018, , .		0
17	Constant On-Time Variable Frequency Control for a Novel Switched-Capacitor Converter. , 2018, , .		1
18	Nonlinear Variable Frequency Control for a Novel Step-Down Switched-Capacitor Converter. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Modeling and analysis of coexisting slow-and fast-scale instabilities in current-mode PI-controlled H-bridge inverter. , 2018, , .		3
20	Simplified discrete-time modeling and dynamic characteristics analysis of PI-controlled voltage source inverter. , 2018, , .		0
21	Discriminant sparse and collaborative preserving embedding for bearing fault diagnosis. Neurocomputing, 2018, 313, 259-270.	5.9	9
22	State of Charge Estimation of Lithium-Ion Batteries Using a Discrete-Time Nonlinear Observer. IEEE Transactions on Industrial Electronics, 2017, 64, 8557-8565.	7.9	101
23	Non-Linear Behavioral Modeling for DC-DC Converters and Dynamic Analysis of Distributed Energy Systems. Energies, 2017, 10, 63.	3.1	11
24	A Novel Methodology for Estimating State-Of-Charge of Li-Ion Batteries Using Advanced Parameters Estimation. Energies, 2017, 10, 1751.	3.1	7
25	A discrete-time nonlinear observer for state of charge estimation of lithium-ion batteries. , 2016, , .		0
26	Design of wireless energy transfer system based on coupled magnetic resonances. , 2016, , .		3