

Lina Wang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Finite Control Set Model Predictive Control Method for Matrix Converter With Zero Common-Mode Voltage. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2018, 6, 327-338.	5.4	56
2	Input Current Ripple and Grid Current Harmonics Restraint Approach for Single-Phase Inverter Under Battery Input Condition in Residential Photovoltaic/Battery Systems. IEEE Transactions on Sustainable Energy, 2018, 9, 1957-1968.	8.8	45
3	Hybrid UP-PWM Scheme for HERIC Inverter to Improve Power Quality and Efficiency. IEEE Transactions on Power Electronics, 2019, 34, 4292-4303.	7.9	38
4	A Three-Level T-Type Indirect Matrix Converter Based on the Third-Harmonic Injection Technique. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2017, 5, 841-853.	5.4	29
5	A Novel Decentralized Economic Operation in Islanded AC Microgrids. Energies, 2017, 10, 804.	3.1	23
6	A Simple Open-Circuit Detection Strategy for a Single-Phase Grid-Connected PV Inverter Fed From Power Optimizers. IEEE Transactions on Power Electronics, 2018, 33, 2798-2802.	7.9	19
7	Modeling and design of the improved D-STATCOM control for power distribution grid. SN Applied Sciences, 2020, 2, 1.	2.9	17
8	Parallel design of intelligent optimization algorithm based on FPGA. International Journal of Advanced Manufacturing Technology, 2018, 94, 3399-3412.	3.0	15
9	Arc Fault Detection Algorithm Based on Variational Mode Decomposition and Improved Multi-Scale Fuzzy Entropy. Energies, 2021, 14, 4137.	3.1	14
10	Feasibility Study of Wind Farm Grid-Connected Project in Algeria under Grid Fault Conditions Using D-Facts Devices. Applied Sciences (Switzerland), 2018, 8, 2250.	2.5	11
11	Dragonfly Optimization-based MPPT Algorithm for Standalone PV System under Partial Shading. , 2021, , ,		10
12	A Method of DC Arc Detection in All-Electric Aircraft. Energies, 2020, 13, 4190.	3.1	9
13	Analysis and Modeling of SiC JFET Bi-Directional Switches Parasitic Oscillation. IEEE Transactions on Power Electronics, 2019, 34, 8613-8625.	7.9	8
14	Adaptive Local Mean Decomposition and Multiscale-Fuzzy Entropy-Based Algorithms for the Detection of DC Series Arc Faults in PV Systems. Energies, 2022, 15, 3608.	3.1	8
15	The modulation of common mode voltage suppression for a three-level matrix converter. , 2016, , ,		6
16	Model-Based Current Sharing Approach for DCM Interleaved Flyback Micro-Inverter. Energies, 2018, 11, 1685.	3.1	6
17	Unwanted turn-on of SiC JFET bi-directional switches under influence of parasitic parameters. , 2017, , ,		5
18	Analysis and error compensation of electric sine/cosine encoder. , 2009, , ,		4

#	ARTICLE	IF	CITATIONS
19	A high-bandwidth PV source simulator using a sliding mode controlled interleaved buck converter. , 2017, , .		4
20	Analysis and Suppression of Unwanted Turn-On and Parasitic Oscillation in SiC JFET-Based Bi-Directional Switches. Electronics (Switzerland), 2018, 7, 126.	3.1	4
21	Modelling and Experimental Characteristics of Photovoltaic Modules in Typical Days at an Actual Photovoltaic Power Station. , 2021, , .		4
22	CubeSat project: experience gained and design methodology adopted for a low-cost Electrical Power System. Automatika, 2022, 63, 695-717.	2.0	4
23	An online optimal reference flux searching approach for direct torque control of interior permanent magnet synchronous machines. , 2017, , .		3
24	A Distributed Secondary Control Algorithm for Automatic Generation Control Considering EDP and Automatic Voltage Control in an AC Microgrid. Energies, 2018, 11, 932.	3.1	3
25	Modelling and optimization of SiC MOSFET switching voltage and current overshoots in a half-bridge configuration. IET Power Electronics, 2021, 14, 1684-1699.	2.1	3
26	Optimizing Switching Performance of Cascode-Light SiC JFET Bidirectional Switch for Matrix Converter. , 2018, , .		2
27	Damping Current Oscillation of SiC JFET Bi-Directional Switches during Turn-on Transient. , 2018, , .		2
28	Relay auto-tuning of two-stage matrix converter based PMSM drives. , 2011, , .		1
29	Research on short-circuit fault behavior and isolation strategy for Matrix Converters. , 2014, , .		0
30	A distributed cooperative control strategy for improving dynamic response of AC microgrid. , 2017, , .		0
31	Effective measures for improving switching performance of SiC JFET bi-directional switches. Journal of Engineering, 2018, 2018, 468-472.	1.1	0
32	Electrical Equipment Technical State Integral Estimate Based On Additional Non-Destructive Methods. , 2019, , .		0