Abderezak Lashab

List of Publications by Year
in descending order

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33	722	567281 15	552781 26
papers	citations	h-index	g-index

33	33	33	498
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Accurate Reactive Power Sharing Strategy for Droop-Based Islanded AC Microgrids. IEEE Transactions on Industrial Electronics, 2023, 70, 2696-2707.	7.9	21
2	ADP-based intelligent frequency control via adaptive virtual inertia emulation. Journal of Control and Decision, 2023, 10, 423-432.	1.6	2
3	Power quality assessment using signal periodicity independent algorithms â€“ A shipboard microgrid case study. Applied Energy, 2022, 307, 118151.	10.1	2
4	A Review of DC Shipboard Microgridsâ€”Part I: Power Architectures, Energy Storage, and Power Converters. IEEE Transactions on Power Electronics, 2022, 37, 5155-5172.	7.9	78
5	A Frequency Independent Technique to Estimate Harmonics and Interharmonics in Shipboard Microgrids. IEEE Transactions on Smart Grid, 2022, 13, 888-899.	9.0	10
6	A Review of DC Shipboard Microgridsâ€”Part II: Control Architectures, Stability Analysis, and Protection Schemes. IEEE Transactions on Power Electronics, 2022, 37, 4105-4120.	7.9	54
7	A Comprehensive Review on Small Satellite Microgrids. IEEE Transactions on Power Electronics, 2022, 37, 12741-12762.	7.9	22
8	Sizing and Sitting of Static VAR Compensator (SVC) Using Hybrid Optimization of Combined Cuckoo Search (CS) and Antlion Optimization (ALO) Algorithms. Energies, 2022, 15, 4852.	3.1	7
9	A Cascaded H-Bridge With Integrated Boosting Circuit. IEEE Transactions on Power Electronics, 2021, 36, 18-22.	7.9	13
10	A Reduced Power Switches Count Multilevel Converter-Based Photovoltaic System With Integrated Energy Storage. IEEE Transactions on Industrial Electronics, 2021, 68, 8231-8240.	7.9	14
11	Effective Controls of Fixed Capacitor-Thyristor Controlled Reactors for Power Quality Improvement in Shipboard Microgrids. IEEE Transactions on Industry Applications, 2021, 57, 2838-2849.	4.9	8
12	Design of Cost-Effective Compensators to Enhance Voltage Stability and Harmonics Contamination of High-Power More Electric Marine Vessels. IEEE Transactions on Industry Applications, 2021, 57, 4130-4142.	4.9	2
13	Hardy space nonlinear controller design for DC microgrid with constant power loads. International Journal of Electrical Power and Energy Systems, 2021, 133, 107300.	5.5	12
14	Space Microgrids for Future Manned Lunar Bases: A Review. IEEE Open Access Journal of Power and Energy, 2021, 8, 570-583.	3.4	19
15	Intelligent Solar Shunt Active Power Filter Based on Direct Power Control Strategy. Lecture Notes in Networks and Systems, 2021, , 467-477.	0.7	2
16	Dual-Input Quasi-Z-Source PV Inverter: Dynamic Modeling, Design, and Control. IEEE Transactions on Industrial Electronics, 2020, 67, 6483-6493.	7.9	16
17	Switched Inductor Z-source/quasi Z-source Network: State of Art and Challenges. , 2020, , .		3
18	Multiple-Power-Sample Based P&O MPPT for Fast-Changing Irradiance Conditions for a Simple Implementation. IEEE Journal of Photovoltaics, 2020, 10, 1481-1488.	2.5	41

#	Article	IF	Citations
19	Space Microgrids: New Concepts on Electric Power Systems for Satellites. IEEE Electrification Magazine, 2020, 8, 8-19.	1.8	15
20	Cascaded Multilevel PV Inverter With Improved Harmonic Performance During Power Imbalance Between Power Cells. IEEE Transactions on Industry Applications, 2020, 56, 2788-2798.	4.9	25
21	Enhanced Intelligent Energy Management System for a Renewable Energy-Based AC Microgrid. Energies, 2020, 13, 3268.	3.1	8
22	Photovoltaic power plants in electrical distribution networks: a review on their impact and solutions. IET Renewable Power Generation, 2020, 14, 2114-2125.	3.1	20
23	Hybrid islanding detection technique for singleâ€phase gridâ€connected photovoltaic multiâ€inverter systems. IET Renewable Power Generation, 2020, 14, 3864-3880.	3.1	11
24	Harmonics Mitigation in Cascaded Multilevel PV Inverters During Power Imbalance Between Cells. , 2019, , .		4
25	Adaptive CDSC-Based Open-Loop Synchronization Technique for Dynamic Response Enhancement of Active Power Filters. IEEE Access, 2019, 7, 96743-96752.	4.2	27
26	Large Photovoltaic Power Plants Integration: A Review of Challenges and Solutions. Energies, 2019, 12, 3798.	3.1	41
27	Comparative Study of Ramp-Rate Control Algorithms for PV with Energy Storage Systems. Energies, 2019, 12, 1342.	3.1	78
28	Model Predictive Control of Cascaded Multilevel Battery Assisted Quasi Z-Source PV Inverter with Reduced Computational Effort. , 2019, , .		6
29	A Dual-Discrete Model Predictive Control-Based MPPT for PV Systems. IEEE Transactions on Power Electronics, 2019, 34, 9686-9697.	7.9	63
30	A Low-Computational High-Performance Model Predictive Control of Single Phase Battery Assisted Quasi Z-Source PV Inverters. , 2019, , .		3
31	Discrete Model-Predictive-Control-Based Maximum Power Point Tracking for PV Systems: Overview and Evaluation. IEEE Transactions on Power Electronics, 2018, 33, 7273-7287.	7.9	78
32	Model Predictive-Based Direct Battery Control in PV Fed Quasi Z-Source Inverters. , 2018, , .		8
33	Multilevel DC-Link Converter-Based Photovoltaic System with Integrated Energy Storage. , 2018, , .		9