

Abderezak Lashab

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Comparative Study of Ramp-Rate Control Algorithms for PV with Energy Storage Systems. Energies, 2019, 12, 1342.	3.1	78
3	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
4	A Dual-Discrete Model Predictive Control-Based MPPT for PV Systems. IEEE Transactions on Power Electronics, 2019, 34, 9686-9697.	7.9	63
5	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
6	Large Photovoltaic Power Plants Integration: A Review of Challenges and Solutions. Energies, 2019, 12, 3798.	3.1	41
7	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
8	Adaptive CDSC-Based Open-Loop Synchronization Technique for Dynamic Response Enhancement of Active Power Filters. IEEE Access, 2019, 7, 96743-96752.	4.2	27
9	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
10	A Comprehensive Review on Small Satellite Microgrids. IEEE Transactions on Power Electronics, 2022, 37, 12741-12762.	7.9	22
11	Accurate Reactive Power Sharing Strategy for Droop-Based Islanded AC Microgrids. IEEE Transactions on Industrial Electronics, 2023, 70, 2696-2707.	7.9	21
12	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
13	Space Microgrids for Future Manned Lunar Bases: A Review. IEEE Open Access Journal of Power and Energy, 2021, 8, 570-583.	3.4	19
14	Dual-Input Quasi-Z-Source PV Inverter: Dynamic Modeling, Design, and Control. IEEE Transactions on Industrial Electronics, 2020, 67, 6483-6493.	7.9	16
15	Space Microgrids: New Concepts on Electric Power Systems for Satellites. IEEE Electrification Magazine, 2020, 8, 8-19.	1.8	15
16	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
17	A Cascaded H-Bridge With Integrated Boosting Circuit. IEEE Transactions on Power Electronics, 2021, 36, 18-22.	7.9	13
18	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

#	ARTICLE	IF	CITATIONS
19	Hybrid islanding detection technique for single-phase grid-connected photovoltaic multi-inverter systems. IET Renewable Power Generation, 2020, 14, 3864-3880.	3.1	11
20	A Frequency Independent Technique to Estimate Harmonics and Interharmonics in Shipboard Microgrids. IEEE Transactions on Smart Grid, 2022, 13, 888-899.	9.0	10
21	Multilevel DC-Link Converter-Based Photovoltaic System with Integrated Energy Storage. , 2018, , .		9
22	Model Predictive-Based Direct Battery Control in PV Fed Quasi Z-Source Inverters. , 2018, , .		8
23	Enhanced Intelligent Energy Management System for a Renewable Energy-Based AC Microgrid. Energies, 2020, 13, 3268.	3.1	8
24	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
25	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
26	Model Predictive Control of Cascaded Multilevel Battery Assisted Quasi Z-Source PV Inverter with Reduced Computational Effort. , 2019, , .		6
27	Harmonics Mitigation in Cascaded Multilevel PV Inverters During Power Imbalance Between Cells. , 2019, , .		4
28	Switched Inductor Z-source/quasi Z-source Network: State of Art and Challenges. , 2020, , .		3
29	A Low-Computational High-Performance Model Predictive Control of Single Phase Battery Assisted Quasi Z-Source PV Inverters. , 2019, , .		3
30	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
31	Intelligent Solar Shunt Active Power Filter Based on Direct Power Control Strategy. Lecture Notes in Networks and Systems, 2021, , 467-477.	0.7	2
32	Power quality assessment using signal periodicity independent algorithms – A shipboard microgrid case study. Applied Energy, 2022, 307, 118151.	10.1	2
33	ADP-based intelligent frequency control via adaptive virtual inertia emulation. Journal of Control and Decision, 2023, 10, 423-432.	1.6	2