

Saeed Peyghami

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58

papers

695

citations

16

h-index

24

g-index

84

ext. papers

1,098

ext. citations

5.2

avg, IF

5.13

L-index

#	Paper	IF	Citations
58	Autonomous Operation of a Hybrid AC/DC Microgrid With Multiple Interlinking Converters. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 6480-6488	10.7	71
57	Distributed Primary and Secondary Power Sharing in a Droop-Controlled LVDC Microgrid With Merged AC and DC Characteristics. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 2284-2294	10.7	51
56	Synchronverter-Enabled DC Power Sharing Approach for LVDC Microgrids. <i>IEEE Transactions on Power Electronics</i> , 2017 , 32, 8089-8099	7.2	50
55	Decentralized Load Sharing in a Low-Voltage Direct Current Microgrid With an Adaptive Droop Approach Based on a Superimposed Frequency. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2017 , 5, 1205-1215	5.6	46
54	An Overview on the Reliability of Modern Power Electronic Based Power Systems. <i>IEEE Open Journal of Power Electronics</i> , 2020 , 1, 34-50	2.5	39
53	A Guideline for Reliability Prediction in Power Electronic Converters. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 10958-10968	7.2	29
52	System-Level Reliability-Oriented Power Sharing Strategy for DC Power Systems. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 4865-4875	4.3	29
51	Standard Test Systems for Modern Power System Analysis: An Overview. <i>IEEE Industrial Electronics Magazine</i> , 2019 , 13, 86-105	6.2	28
50	. <i>IEEE Transactions on Industry Applications</i> , 2017 , 53, 4855-4862	4.3	27
49	Autonomous Power Management in LVDC Microgrids Based on a Superimposed Frequency Droop. <i>IEEE Transactions on Power Electronics</i> , 2018 , 33, 5341-5350	7.2	26
48	Incorporating Power Electronic Converters Reliability Into Modern Power System Reliability Analysis. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 1668-1681	5.6	24
47	Decentralized Droop Control in DC Microgrids Based on a Frequency Injection Approach. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 6782-6791	10.7	23
46	. <i>IEEE Transactions on Industry Applications</i> , 2019 , 55, 5055-5067	4.3	21
45	Autonomous and decentralized load sharing and energy management approach for DC microgrids. <i>Electric Power Systems Research</i> , 2019 , 177, 106009	3.5	21
44	Control of Grid-Following Inverters Under Unbalanced Grid Conditions. <i>IEEE Transactions on Energy Conversion</i> , 2020 , 35, 184-192	5.4	21
43	Hierarchical Power Sharing Control in DC Microgrids 2017 , 63-100		18
42	The Impact of Topology and Mission Profile on the Reliability of Boost-type Converters in PV Applications 2018 ,		14

41	Reliability Modeling of Power Electronic Converters: A General Approach 2019 ,		12
40	A Decentralized Reliability-Enhanced Power Sharing Strategy for PV-Based Microgrids. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 7281-7293	7.2	11
39	System-level reliability enhancement of DC/DC stage in a single-phase PV inverter. <i>Microelectronics Reliability</i> , 2018 , 88-90, 1030-1035	1.2	10
38	Reliability Evaluation in Microgrids With Non-Exponential Failure Rates of Power Units. <i>IEEE Systems Journal</i> , 2020 , 14, 2861-2872	4.3	9
37	Distributed secondary control in DC microgrids with low-bandwidth communication link 2016 ,		8
36	System-Level Design for Reliability and Maintenance Scheduling in Modern Power Electronic-Based Power Systems. <i>IEEE Open Access Journal of Power and Energy</i> , 2020 , 7, 414-429	3.8	7
35	Intelligent long-term performance analysis in power electronics systems. <i>Scientific Reports</i> , 2021 , 11, 7557	4.9	7
34	DC-link loop bandwidth selection strategy for grid-connected inverters considering power quality requirements. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 119, 105879	5.1	6
33	Reliability aspects in microgrid design and planning: Status and power electronics-induced challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2022 , 159, 112127	16.2	6
32	Smart power management of DC microgrids in future milligrids 2016 ,		5
31	Availability Modeling in Power Converters Considering Components Aging. <i>IEEE Transactions on Energy Conversion</i> , 2020 , 35, 1981-1984	5.4	5
30	. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2021 , 9, 1290-1301	5.6	5
29	. <i>IEEE Transactions on Power Electronics</i> , 2021 , 36, 6092-6105	7.2	5
28	Mission Profile Based Power Converter Reliability Analysis in a DC Power Electronic Based Power System 2018 ,		5
27	A New Guideline for Security Assessment of Power Systems with a High Penetration of Wind Turbines. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 3190	2.6	4
26	Grid Synchronization for Distributed Generations 2017 , 179-194		4
25	Maintenance Scheduling in Power Electronic Converters Considering Wear-out Failures 2020 ,		4
24	Condition Monitoring of DC-link Electrolytic Capacitor in Back-to-Back Converters Based on Dissipation Factor. <i>IEEE Transactions on Power Electronics</i> , 2022 , 1-1	7.2	4

23	Enhanced Frequency Droop Method for load sharing in LVDC power systems 2018 ,		3
22	Distributed and decentralized control of dc microgrids 23-42		3
21	An Open-Water Efficiency Based Speed Change Strategy With Propeller Lifespan Enhancement in All-Electric Ships. <i>IEEE Access</i> , 2021 , 9, 22595-22604	3.5	3
20	A comprehensive study on reliability performance of Photovoltaic-battery-based microgrids under different energy management strategies. <i>Journal of Energy Storage</i> , 2021 , 43, 103051	7.8	3
19	Time Domain Simulation of A Five-Phase BLDC Motor Drive 2020 ,		2
18	A Preventive Maintenance Planning Approach for Wind Converters 2020 ,		2
17	Two-Stage Single-Source Full-Bridge Based Three- Phase Inverter for Medium Voltage Applications 2020 ,		2
16	Effect of Unipolar and Bipolar SPWM on the Lifetime of DC-link Capacitors in Single-Phase Voltage Source Inverters 2020 ,		2
15	Analytical Modeling of 9-150 kHz EMI in Single-Phase PFC Converter 2019 ,		2
14	Security Analysis of Power Electronic-based Power Systems 2019 ,		2
13	Characterization of Proportional-Integral-Resonant Compensator for DC Link Voltage Control 2018 ,		2
12	System-level lifetime-oriented power sharing control of paralleled DC/DC converters 2018 ,		1
11	Demands for Bridging Power Electronics and Power System Engineering Concepts 2020 ,		1
10	Frequency security constrained control of power electronic-based generation systems. <i>IET Renewable Power Generation</i> , 2021 , 15, 2246-2256	2.9	1
9	Modeling In-and-Out-of-Water Impact on All-Electric Ship Power System Considering Propeller Submergence in Waves 2021 ,		1
8	A Theoretical Concept of Decoupled Current Control Scheme for Grid-Connected Inverter with L-C-L Filter. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 6256	2.6	1
7	Efficient Fixed-Switching Modulated Finite Control Set-Model Predictive Control Based on Artificial Neural Networks. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 3134	2.6	1
6	On-line Condition Monitoring System for DC-link Capacitor of Back-to-Back Converters Using Large-signal Transients. <i>IEEE Journal of Emerging and Selected Topics in Power Electronics</i> , 2022 , 1-1	5.6	1

5	Power Management Strategies Based on Propellers Speed Control in Waves for Mitigating Power Fluctuations of Ships. <i>IEEE Transactions on Transportation Electrification</i> , 2022 , 1-1	7.6	o
4	Voltage Balancing of Series IGBTs in Short-Circuit Conditions. <i>IEEE Transactions on Power Electronics</i> , 2021 , 1-1	7.2	o
3	Fuzzy-based frequency security evaluation of wind-integrated power systems. <i>IET Energy Systems Integration</i> , 2021 , 3, 451	3.3	o
2	Fast and Accurate Modeling of Power Converter Availability for Adequacy Assessment. <i>IEEE Transactions on Power Delivery</i> , 2021 , 1-1	4.3	o
1	Smart Grid Challenges and Barriers 2021 , 449-467		