

Mads Graungaard Taul

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling of Converter Synchronization Stability Under Grid Faults: The General Case. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2022, 10, 2790-2804.	5.4	20
2	Reduced-Order and Aggregated Modeling of Large-Signal Synchronization Stability for Multiconverter Systems. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2021, 9, 3150-3165.	5.4	30
3	Abnormal operation of wind turbine systems. , 2021, , 561-607.		0
4	Influence of phase-locked loop aggregation on the dynamic aggregation of wind farm strings with heterogeneous parameters. IET Energy Systems Integration, 2021, 3, 99-108.	1.8	2
5	Enhancing Transient Stability of PLL-Synchronized Converters by Introducing Voltage Normalization Control. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2021, 11, 69-78.	3.6	13
6	Optimal Controller Design for Transient Stability Enhancement of Grid-Following Converters Under Weak-Grid Conditions. IEEE Transactions on Power Electronics, 2021, 36, 10251-10264.	7.9	21
7	On the Equilibrium Points in Three-Phase PLL Based on the d -axis Voltage Normalization. IEEE Transactions on Power Electronics, 2021, 36, 12146-12150.	7.9	5
8	Theoretical Analysis and Experimental Validation of Flying-Capacitor Multilevel Converters Under Short-Circuit Fault Conditions. IEEE Transactions on Power Electronics, 2021, 36, 12292-12308.	7.9	6
9	Current Limiting Control With Enhanced Dynamics of Grid-Forming Converters During Fault Conditions. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 1062-1073.	5.4	171
10	Current Reference Generation Based on Next-Generation Grid Code Requirements of Grid-Tied Converters During Asymmetrical Faults. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2020, 8, 3784-3797.	5.4	67
11	Dynamic Extension Algorithm-Based Tracking Control of STATCOM Via Port-Controlled Hamiltonian System. IEEE Transactions on Industrial Informatics, 2020, 16, 5076-5087.	11.3	14
12	Grid-Synchronization Stability of Converter-Based Resources—An Overview. IEEE Open Journal of Industry Applications, 2020, 1, 115-134.	6.5	329
13	Modeling and Adaptive Design of the SRF-PLL: Nonlinear Time-Varying Framework. IEEE Access, 2020, 8, 28635-28645.	4.2	17
14	Rapid Impedance Estimation Algorithm for Mitigation of Synchronization Instability of Paralleled Converters under Grid Faults. , 2020, , .		5
15	Frequency-Freezing FLL for Enhanced Synchronization Stability of Grid-Following Converters during Grid Faults. , 2020, , .		1
16	An Efficient Reduced-Order Model for Studying Synchronization Stability of Grid-Following Converters during Grid Faults. , 2019, , .		32
17	Robust Fault Ride-Through of Converter-based Generation during Severe Faults with Phase Jumps. IEEE Transactions on Industry Applications, 2019, , 1-1.	4.9	7
18	An Overview of Assessment Methods for Synchronization Stability of Grid-Connected Converters Under Severe Symmetrical Grid Faults. IEEE Transactions on Power Electronics, 2019, 34, 9655-9670.	7.9	226

#	ARTICLE	IF	CITATIONS
19	Systematic Approach for Transient Stability Evaluation of Grid-Tied Converters during Power System Faults. , 2019, , .		22
20	Identification of Grid Impedance During Severe Faults. , 2019, , .		6
21	Conceptual Systematic Stability Analysis of Power Electronics based Power Systems. , 2019, , .		4
22	Grid Synchronization of Wind Turbines during Severe Symmetrical Faults with Phase Jumps. , 2018, , .		12