

# Fernanda Carnielutti

## List of Publications by Year in descending order

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37  
papers

255  
citations

1478505

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1474206

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g-index

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docs citations

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times ranked

251  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fixed Switching Frequency Model Predictive Controller for Doubly-Grounded Five-Level Photovoltaic Inverter. , 2021, , .		1
2	Predictive Control for Multilevel Inverters with Reduced Number of Commutations. , 2021, , .		1
3	Model Predictive Control Method for Flying Capacitor Five-Level Commonly-Grounded Photovoltaic Inverter. , 2021, , .		2
4	Discontinuous Space Vector Modulation for Three-Phase Five-Levels Packed-U-Cell Converter. IEEE Transactions on Power Electronics, 2021, 36, 14353-14365.	7.9	5
5	Finite Control Set Model Predictive Control Without Weighting Factors for Common Grounded Five-Level PV Inverter. , 2021, , .		5
6	Modulated Model Predictive Control Applied to LCL-Filtered Grid-Tied Inverters: A Convex Optimization Approach. IEEE Open Journal of Industry Applications, 2021, 2, 366-377.	6.5	12
7	Weighting Factorless Sequential Model Predictive Control Method with Fixed Switching Frequency for Five-Level T-type Photovoltaic Inverters. , 2021, , .		2
8	Finite Set-Model Predictive Control Method for Triple-Boost Doubly Grounded Three-Phase Photovoltaic Inverter. , 2021, , .		1
9	Fast Finite Control Set Model Predictive Control for Multilevel Inverters. , 2021, , .		1
10	Cost Function Design for Stable Performance of Modulated Model Predictive Control for Grid-Tied Inverters. , 2020, , .		0
11	Cost Function Design for Stability Assessment of Modulated Model Predictive Control. , 2020, , .		1
12	A Finite Control Set-Model Predictive Control Method for Step-Up Five Level Doubly Grounded Photovoltaic Inverter. , 2020, , .		10
13	PLL parameters tuning guidelines to increase stability margins in multiple three-phase converters connected to weak grids. IET Renewable Power Generation, 2020, 14, 2232-2244.	3.1	4
14	A Model Predictive Control Method For Common Grounded Photovoltaic Multilevel Inverter. , 2020, , .		7
15	Design of PLL gains to increase the stability margins of three-phase converters connected to weak grids. , 2019, , .		1
16	Phase Disposition Modulation With Sorting Algorithm for Symmetrical Cascaded Multilevel Converters. IEEE Transactions on Industry Applications, 2019, 55, 7527-7536.	4.9	16
17	A Test Driven Design Approach to Benchmark Current Controllers for Grid-Tied Inverters. , 2019, , .		4
18	Generalised overmodulation approach applied to symmetrical and asymmetrical cascaded multilevel converters with faults on the converter power cells. Journal of Engineering, 2019, 2019, 4190-4194.	1.1	2

#	ARTICLE	IF	CITATIONS
19	Optimum Geometric Carrier-Based Modulation for NPC and T-Type Inverters. , 2019, , .		1
20	Modulated Model Predictive Control for Three-Phase Packed-U-Cells Multilevel Converter. , 2019, , .		11
21	Robust Model Reference Adaptive Individual Pitch Control for Wind Turbine Load Reduction. , 2018, , .		1
22	Control scheme for a cascaded multilevel converter used in low-voltage-ride-through tests of grid-connected wind turbines. , 2017, , .		2
23	Design and implementation of a supervisory system for wind turbines inverters. , 2017, , .		0
24	Extending the Operation of Asymmetrical Cascaded Multilevel Converters Under Fault Conditions on the Converter Power Cells. IEEE Transactions on Industrial Electronics, 2017, 64, 1853-1862.	7.9	14
25	Circulating current control for carrier-based discontinuous modulation in inverters with parallel legs. , 2016, , .		1
26	A human-machine interface applied for a low-voltage-ride-through test system for grid-connected wind turbines. , 2016, , .		1
27	Carrier-based discontinuous modulation for interleaved inverters. , 2016, , .		0
28	Geometric discontinuous modulation applied to inverters with three magnetically coupled legs. , 2016, , .		0
29	Hybrid Modulation Strategy for Asymmetrical Cascaded Multilevel Converters Under Normal and Fault Conditions. IEEE Transactions on Industrial Electronics, 2016, 63, 92-101.	7.9	19
30	Sorting algorithm for a pd modulation for a cascaded multilevel converter. , 2015, , .		2
31	Carrier-based geometric modulation approach for inverters with interleaved legs. , 2015, , .		0
32	Space Vector Modulation for Cascaded Asymmetrical Multilevel Converters Under Fault Conditions. IEEE Transactions on Industry Applications, 2015, 51, 344-352.	4.9	15
33	Algorithm for on-line definition of switching sequences for space vector modulation of asymmetrical cascaded multilevel converters. , 2014, , .		3
34	Space vector modulation for cascaded asymmetrical multilevel converters under fault conditions. , 2013, , .		1
35	New modulation strategy for asymmetrical cascaded multilevel converters under fault conditions. , 2013, , .		4
36	Generalized Carrier-Based Modulation Strategy for Cascaded Multilevel Converters Operating Under Fault Conditions. IEEE Transactions on Industrial Electronics, 2012, 59, 679-689.	7.9	104

#	ARTICLE	IF	CITATIONS
37	Power quality and power performance measurement system for wind turbine certification. , 2009, , .		1