Marcelo Tomim

List of Publications by Year
in descending order

22 papers	213 citations	1163065 8 h-index	1474186 9 g-index
22 all docs	22 docs citations	22 times ranked	208 citing authors

#	Article	IF	Citations
1	A control strategy for an offshore wind farm with the generating units connected in series with a VSC-HVDC transmission link. Electric Power Systems Research, 2020, 180, 106121.	3.6	9
2	A new governor power flow formulation based on the current injections method. International Journal of Electrical Power and Energy Systems, 2019, 104, 705-715.	5.5	8
3	A flexible co-simulation framework for penetration studies of power electronics based renewable sources: A new algorithm for phasor extraction. International Journal of Electrical Power and Energy Systems, 2019, 113, 419-435.	5.5	10
4	Co-simulation of a Doubly Fed Induction Generator Connected to a Power Network: The use of DSOGI for Phasor Extraction. IEEE Latin America Transactions, 2019, 17, 1070-1079.	1.6	4
5	A Hybrid Simulation Tool for Distributed Generation Integration Studies. , 2018, , .		4
6	Modeling and digital simulation of a back-to-back converter to integrate a variable speed generator using the openmodelica platform. , 2018, , .		1
7	Modeling and simulation of a hybrid single-phase/three-phase system in modelica. , 2018, , .		2
8	MatLab-OpenDSS co-simulation environment: An alternative tool to investigate DSG connection. , 2018, , .		5
9	Parallel Transient Stability Simulation Based on Multi-Area Thévenin Equivalents. IEEE Transactions on Smart Grid, 2017, 8, 1366-1377.	9.0	34
10	Railway trajectory modeling for simulation of locomotives drive systems. , 2017, , .		1
11	Mathematical modeling and numerical simulation of locomotives electrical drive systems in modelica. , 2017, , .		0
12	A hybrid simulation tool for penetration studies of distributed generation in smartgrids. , 2017, , .		3
13	Parallel computing applied to the stochastic dynamic programming for long term operation planning of hydrothermal power systems. European Journal of Operational Research, 2013, 229, 212-222.	5.7	37
14	Extending the Multi-Area Thévenin Equivalents method for parallel solutions of bulk power systems. International Journal of Electrical Power and Energy Systems, 2013, 44, 192-201.	5.5	15
15	New algorithms for fault classification in Electrical Distribution Systems. , 2010, , .		3
16	MATE network tearing techniques for multiprocessor solution of large power system networks. , 2010, , .		15
17	Parallel solution of large power system networks using the Multi-Area Thévenin Equivalents (MATE) algorithm. International Journal of Electrical Power and Energy Systems, 2009, 31, 497-503.	5.5	47
18	An introduction to open-source linear algebra tools and parallelisation for power system applications. , 2008, , .		0

#	Article	IF	Citations
19	An Analysis of Sub Sea Electric Power Transmission Techniques from DC to AC 50/60 Hz and Beyond. , 2007, , .		3
20	Modified Hopf bifurcation index for power system stability assessment. IET Generation, Transmission and Distribution, 2005, 152, 906.	1.1	11
21	Identification of Hopf bifurcation in power systems susceptible to subsynchronous resonance. , 0, , .		1
22	Comparative Performance of Three Phasor-Extraction Algorithms for Co-simulation of Electrical Power Systems. Journal of Control, Automation and Electrical Systems, 0, , 1.	2.0	0