Leonel Carvalho

List of Publications by Year
in descending order

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25 papers	629 citations	840776 11 h-index	752698 20 g-index
25 all docs	25 docs citations	25 times ranked	780 citing authors

#	Article	IF	Citations
1	Multi-objective identification of critical distribution network assets in large interruption datasets. International Journal of Electrical Power and Energy Systems, 2022, 137, 107747.	5.5	5
2	Fault indicator placement optimization using the cross-entropy method and traffic simulation data. Electric Power Systems Research, 2022, 212, 108391.	3.6	0
3	An unsupervised approach for fault diagnosis of power transformers. Quality and Reliability Engineering International, 2021, 37, 2834-2852.	2.3	4
4	A combined optimisation and decision-making approach for battery-supported HMGS. Journal of the Operational Research Society, 2020, 71, 762-774.	3.4	23
5	Aggregated dynamic model of active distribution networks for large voltage disturbances. Electric Power Systems Research, 2020, 178, 106006.	3.6	21
6	Planning of distribution networks islanded operation: from simulation to live demonstration. Electric Power Systems Research, 2020, 189, 106561.	3.6	4
7	Reactive power provision by the DSO to the TSO considering renewable energy sources uncertainty. Sustainable Energy, Grids and Networks, 2020, 22, 100333.	3.9	17
8	Application of genetic algorithms and the crossâ€entropy method in practical home energy management systems. IET Renewable Power Generation, 2019, 13, 1474-1483.	3.1	8
9	Load modeling of active lowâ€voltage consumers and comparative analysis of their impact on distribution system expansion planning. International Transactions on Electrical Energy Systems, 2019, 29, e12038.	1.9	5
10	Impact of decision-making models in Transmission Expansion Planning considering large shares of renewable energy sources. Electric Power Systems Research, 2019, 174, 105852.	3.6	35
11	Optimal Generation Scheduling with Dynamic Profiles for the Sustainable Development of Electricity Grids. Sustainability, 2019, 11, 7111.	3.2	9
12	Reactive Power Management Considering Stochastic Optimization under the Portuguese Reactive Power Policy Applied to DER in Distribution Networks. Energies, 2019, 12, 4028.	3.1	8
13	Maximum Search Limitations: Boosting Evolutionary Particle Swarm Optimization Exploration. Lecture Notes in Computer Science, 2019, , 712-723.	1.3	1
14	Technical-economic analysis for the integration of PV systems in Brazil considering policy and regulatory issues. Energy Policy, 2018, 115, 199-206.	8.8	38
15	Security-Constrained Optimal Power Flow via Cross-Entropy Method. IEEE Transactions on Power Systems, 2018, 33, 6621-6629.	6.5	21
16	Mitigation in the Very Short-term of Risk from Wind Ramps with Unforeseen Severity. Journal of Control, Automation and Electrical Systems, 2017, 28, 247-258.	2.0	5
17	The STABALID project: Risk analysis of stationary Li-ion batteries for power system applications. Reliability Engineering and System Safety, 2015, 140, 142-175.	8.9	15
18	Adequacy of the long-term operational reserve of a system with wind power and electric vehicles under severe scenarios. , 2014, , .		0

#	Article	IF	Citations
19	Identifying benefits between the integration of Electric Vehicles and renewable power usage. , 2014, , .		1
20	Simplified Cross-Entropy Based Approach for Generating Capacity Reliability Assessment. IEEE Transactions on Power Systems, 2013, 28, 1609-1616.	6.5	29
21	Composite reliability evaluation combining adequacy and security aspects. , 2013, , .		0
22	Probabilistic Analysis for Maximizing the Grid Integration of Wind Power Generation. IEEE Transactions on Power Systems, 2012, 27, 2323-2331.	6.5	26
23	Wind power forecasting uncertainty and unit commitment. Applied Energy, 2011, 88, 4014-4023.	10.1	282
24	Modern computing environment for power system reliability assessment. , 2010, , .		2
25	Improving Power System Reliability Calculation Efficiency With EPSO Variants. IEEE Transactions on Power Systems, 2009, 24, 1772-1779.	6.5	70