

Leonel Carvalho

List of Publications by Year in descending order

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Version: 2024-02-01

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	Wind power forecasting uncertainty and unit commitment. <i>Applied Energy</i> , 2011, 88, 4014-4023.	10.1	282
2	Improving Power System Reliability Calculation Efficiency With EPSO Variants. <i>IEEE Transactions on Power Systems</i> , 2009, 24, 1772-1779.	6.5	70
3	Technical-economic analysis for the integration of PV systems in Brazil considering policy and regulatory issues. <i>Energy Policy</i> , 2018, 115, 199-206.	8.8	38
4	Impact of decision-making models in Transmission Expansion Planning considering large shares of renewable energy sources. <i>Electric Power Systems Research</i> , 2019, 174, 105852.	3.6	35
5	Simplified Cross-Entropy Based Approach for Generating Capacity Reliability Assessment. <i>IEEE Transactions on Power Systems</i> , 2013, 28, 1609-1616.	6.5	29
6	Probabilistic Analysis for Maximizing the Grid Integration of Wind Power Generation. <i>IEEE Transactions on Power Systems</i> , 2012, 27, 2323-2331.	6.5	26
7	A combined optimisation and decision-making approach for battery-supported HMGS. <i>Journal of the Operational Research Society</i> , 2020, 71, 762-774.	3.4	23
8	Security-Constrained Optimal Power Flow via Cross-Entropy Method. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 6621-6629.	6.5	21
9	Aggregated dynamic model of active distribution networks for large voltage disturbances. <i>Electric Power Systems Research</i> , 2020, 178, 106006.	3.6	21
10	Reactive power provision by the DSO to the TSO considering renewable energy sources uncertainty. <i>Sustainable Energy, Grids and Networks</i> , 2020, 22, 100333.	3.9	17
11	The STABALID project: Risk analysis of stationary Li-ion batteries for power system applications. <i>Reliability Engineering and System Safety</i> , 2015, 140, 142-175.	8.9	15
12	Optimal Generation Scheduling with Dynamic Profiles for the Sustainable Development of Electricity Grids. <i>Sustainability</i> , 2019, 11, 7111.	3.2	9
13	Application of genetic algorithms and the cross-entropy method in practical home energy management systems. <i>IET Renewable Power Generation</i> , 2019, 13, 1474-1483.	3.1	8
14	Reactive Power Management Considering Stochastic Optimization under the Portuguese Reactive Power Policy Applied to DER in Distribution Networks. <i>Energies</i> , 2019, 12, 4028.	3.1	8
15	Mitigation in the Very Short-term of Risk from Wind Ramps with Unforeseen Severity. <i>Journal of Control, Automation and Electrical Systems</i> , 2017, 28, 247-258.	2.0	5
16	Load modeling of active low-voltage consumers and comparative analysis of their impact on distribution system expansion planning. <i>International Transactions on Electrical Energy Systems</i> , 2019, 29, e12038.	1.9	5
17	Multi-objective identification of critical distribution network assets in large interruption datasets. <i>International Journal of Electrical Power and Energy Systems</i> , 2022, 137, 107747.	5.5	5
18	Planning of distribution networks islanded operation: from simulation to live demonstration. <i>Electric Power Systems Research</i> , 2020, 189, 106561.	3.6	4

#	ARTICLE	IF	CITATIONS
19	An unsupervised approach for fault diagnosis of power transformers. Quality and Reliability Engineering International, 2021, 37, 2834-2852.	2.3	4
20	Modern computing environment for power system reliability assessment. , 2010, , .		2
21	Identifying benefits between the integration of Electric Vehicles and renewable power usage. , 2014, , .		1
22	Maximum Search Limitations: Boosting Evolutionary Particle Swarm Optimization Exploration. Lecture Notes in Computer Science, 2019, , 712-723.	1.3	1
23	Composite reliability evaluation combining adequacy and security aspects. , 2013, , .		0
24	Adequacy of the long-term operational reserve of a system with wind power and electric vehicles under severe scenarios. , 2014, , .		0
25	Fault indicator placement optimization using the cross-entropy method and traffic simulation data. Electric Power Systems Research, 2022, 212, 108391.	3.6	0