

# Madson Cortes de Almeida

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

554  
citations

1051969

10  
h-index

799663

21  
g-index

61  
all docs

61  
docs citations

61  
times ranked

534  
citing authors

#	ARTICLE	IF	CITATIONS
1	Distribution System Topology Identification via Efficient MILP-Based WLAV State Estimation. IEEE Transactions on Power Systems, 2023, 38, 75-84.	4.6	6
2	Sustainable charging schedule of electric buses in a University Campus: A rolling horizon approach. Renewable and Sustainable Energy Reviews, 2022, 161, 112276.	8.2	20
3	A Low-Cost Bidirectional People Counter Device for Assisting Social Distancing Monitoring for COVID-19. Journal of Control, Automation and Electrical Systems, 2022, 33, 1148-1160.	1.2	2
4	Symmetrical Components Based State Estimator for Power Distribution Systems. IEEE Transactions on Power Systems, 2021, 36, 2035-2045.	4.6	4
5	A Development PMU Device for Living Lab Applications. Journal of Control, Automation and Electrical Systems, 2021, 32, 1111-1122.	1.2	2
6	Single-terminal fault location in HVDC lines with accurate wave velocity estimation. Electric Power Systems Research, 2021, 194, 107057.	2.1	10
7	Assessing approaches to modeling voltage magnitude measurements in state estimators devoted to active distribution networks. Electric Power Systems Research, 2021, 200, 107440.	2.1	4
8	Allocation of fault indicators in distribution feeders containing distributed generation. Electric Power Systems Research, 2020, 179, 106060.	2.1	5
9	Design and Development of D-PMU Module for Smart Meters. , 2020, , .		4
10	LoRa Communication as a Solution for Real-Time Monitoring of IoT Devices at UNICAMP. , 2019, , .		6
11	Co-Simulation Architecture: A Tool to Enable the State Estimator Application in Smart Grid Environment. , 2019, , .		3
12	Assessing the Normalized Residuals Technique with AMB-SE for Non-Technical Loss Detection. , 2019, , .		0
13	Statistical Criteria for Evaluation of Distribution System State Estimators. , 2019, , .		3
14	Living Lab for Electric Mobility in the Public Transportation System of the University of Campinas. , 2019, , .		4
15	Assessment of Losses in Distribution Transformers Connected to Special and Conventional Components Using Smart Meters. , 2019, , .		2
16	Energy Consumption Forecasting Using SARIMA and NARNET: An Actual Case Study at University Campus. , 2019, , .		3
17	Contributions to the sequenceâ€ˆdecoupling compensation power flow method for distribution system analysis. IET Generation, Transmission and Distribution, 2019, 13, 583-594.	1.4	9
18	Fault location approach for distribution systems based on modern monitoring infrastructure. IET Generation, Transmission and Distribution, 2018, 12, 94-103.	1.4	24

#	ARTICLE	IF	CITATIONS
19	A theoretical framework for qualitative problems in power system state estimation. Electric Power Systems Research, 2018, 154, 528-537.	2.1	6
20	Assessment of Loss Estimation Methods for Distribution Transformers. , 2018, , .		2
21	On The Performance Of State Estimators In Distribution Systems Under Fault Conditions. , 2018, , .		2
22	An evaluation of wave speed impacts on fault location methods for HVDC lines. , 2018, , .		2
23	Assessing the Branch Current Based State Estimator under Fault Conditions. , 2018, , .		2
24	Python Programming Language for Power System Analysis Education and Research. , 2018, , .		5
25	Sustainable Campus Model at the University of Campinasâ€”Brazil: An Integrated Living Lab for Renewable Generation, Electric Mobility, Energy Efficiency, Monitoring and Energy Demand Management. World Sustainability Series, 2018, , 457-472.	0.3	8
26	Specifying angular reference for threeâ€”phase distribution system state estimators. IET Generation, Transmission and Distribution, 2018, 12, 1655-1663.	1.4	18
27	On the use of $\hat{1}/4$ PMU for state estimation in distribution systems. , 2017, , .		4
28	Noise reduction for faults in HVDC lines using mathematical morphology. , 2017, , .		0
29	Voltage measurements and the sparsity of coefficient matrices in distribution systems state estimation. , 2017, , .		2
30	Insights on the Use of SVD for evaluating and reinforcing measurement systems. , 2017, , .		0
31	Increasing the PV hosting capacity with OLTC technology and PV VAR absorption in a MV/LV rural Brazilian distribution system. , 2016, , .		16
32	An Improved Three-Phase AMB Distribution System State Estimator. IEEE Transactions on Power Systems, 2016, , 1-1.	4.6	27
33	Constrained linear regularised state estimator for observability analysis in power systems. IET Generation, Transmission and Distribution, 2016, 10, 2731-2738.	1.4	1
34	Assessing the statistical consistency of the AMB State Estimator in distribution systems. , 2015, , .		4
35	An approach to evaluate modern fault location methods for power distribution systems. , 2015, , .		1
36	An approach to fault location in HVDC lines using mathematical morphology. , 2015, , .		10

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37	Analysis of bad data detection in power system State Estimators considering PMUs. , 2015, , .		5
38	A comparative analysis of inclusion of PMUs in the power system state estimator. , 2015, , .		1
39	Fault location in power distribution systems using a learning approach based on decision trees. , 2014, , .		3
40	Load Monitoring Using Distributed Voltage Sensors and Current Estimation Algorithms. IEEE Transactions on Smart Grid, 2014, 5, 1920-1928.	6.2	10
41	Analysis of distance based fault location methods for Smart Grids with distributed generation. , 2013, , .		5
42	A transmission line two-end fault location approach based on mathematical morphology. , 2013, , .		6
43	Transmission Lines Fault Location: A Mathematical Morphology-Based Approach. Journal of Control, Automation and Electrical Systems, 2013, 24, 470-480.	1.2	4
44	Algorithms for Operation Planning of Electric Distribution Networks. Journal of Control, Automation and Electrical Systems, 2013, 24, 377-387.	1.2	4
45	Practical testing of a fault location method based on sparse voltage measurement. , 2013, , .		1
46	Regularized Least Squares Power System State Estimation. IEEE Transactions on Power Systems, 2012, 27, 290-297.	4.6	22
47	Real time voltage stability margin estimation using auto-regressive models and PMUs. , 2011, , .		2
48	Optimal placement of faulted circuit indicators in power distribution systems. Electric Power Systems Research, 2011, 81, 699-706.	2.1	35
49	Method for determining the maximum allowable penetration level of distributed generation without steady-state voltage violations. IET Generation, Transmission and Distribution, 2010, 4, 495.	1.4	135
50	Identifying critical sets in state estimation using Gram matrix. , 2009, , .		13
51	A new method for redundancy analysis of measurements applied to three-phase state estimation. Electric Power Systems Research, 2009, 79, 234-238.	2.1	1
52	Evaluation of the impact of distributed generation on power losses by using a sensitivity-based method. , 2009, , .		8
53	Power System Observability Analysis Based on Gram Matrix and Minimum Norm Solution. IEEE Transactions on Power Systems, 2008, 23, 1611-1618.	4.6	39
54	On the Use of Gram Matrix in Observability Analysis. IEEE Transactions on Power Systems, 2008, 23, 249-251.	4.6	27

#	ARTICLE	IF	CITATIONS
55	A Numerical Method for Finding Spanning Trees in Power System State Estimation. , 2006, , .		2
56	Effects of load imbalance and system asymmetry on three-phase state estimation. , 2006, , .		10
57	Metodologia de análise de presença de dispositivos com Wi-Fi para estimar a demanda de passageiros dos circulares internos da Unicamp. , 0, , .		0
58	Desenvolvimento de aplicativo para aprimoramento da mobilidade coletiva na Unicamp. , 0, , .		0
59	Identificação do perfil de consumo dos transformadores da Unicamp. , 0, , .		0
60	Desenvolvimento de dispositivo para captura de equipamentos com recepção Wi-Fi a fim de estimar a quantidade de passageiros em transporte público. , 0, , .		0