

Armando Leite da Silva

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4669285/publications.pdf>

Version: 2024-02-01

63
papers

1,416
citations

304743

22
h-index

345221

36
g-index

63
all docs

63
docs citations

63
times ranked

967
citing authors

#	ARTICLE	IF	CITATIONS
1	Reliability evaluation of generating systems considering aging processes. Electric Power Systems Research, 2022, 202, 107589.	3.6	3
2	Generation maintenance scheduling with renewable sources based on production and reliability costs. International Journal of Electrical Power and Energy Systems, 2022, 134, 107370.	5.5	12
3	Reliability evaluation of composite generation and transmission systems via binary logistic regression and parallel processing. International Journal of Electrical Power and Energy Systems, 2022, 142, 108380.	5.5	5
4	Transmission planning with security criteria via enhanced genetic algorithm. Electrical Engineering, 2021, 103, 1977-1987.	2.0	1
5	Allocation of Feeder Usage, Losses and Peak Load in Distribution Systems with DG Using Shapley Value. , 2021, , .		1
6	Chronological Monte Carlo Simulation for Evaluating Spare Transformer Requirements in Distribution Substations. Journal of Control, Automation and Electrical Systems, 2021, 32, 1365-1376.	2.0	2
7	Unsupervised machine learning techniques applied to composite reliability assessment of power systems. International Transactions on Electrical Energy Systems, 2021, 31, e13109.	1.9	5
8	Transmission expansion planning of large power networks via constructive metaheuristics with security constraints and load uncertainty analysis. International Transactions on Electrical Energy Systems, 2021, 31, .	1.9	5
9	Operating Reserve Assessment in Systems with Energy Storage and Electric Vehicles. , 2020, , .		1
10	Risk Assessment for the Amount of Transmission System Usage Penalties via Probabilistic Load Flow. , 2020, , .		3
11	Probabilistic Method for Transmission System Pricing Considering Intermittence of Wind Power Sources. , 2020, , .		1
12	Probabilistic evaluation of distribution power transformers reliability indices considering load transfers and mobile unit substations. Electric Power Systems Research, 2020, 187, 106501.	3.6	13
13	Risk Assessment in Probabilistic Load Flow via Monte Carlo Simulation and Cross-Entropy Method. IEEE Transactions on Power Systems, 2019, 34, 1193-1202.	6.5	64
14	Probabilistic Assessment of Spinning Reserve via Cross-Entropy Method Considering Renewable Sources and Transmission Restrictions. IEEE Transactions on Power Systems, 2018, 33, 4574-4582.	6.5	43
15	Security-Constrained Optimal Power Flow via Cross-Entropy Method. IEEE Transactions on Power Systems, 2018, 33, 6621-6629.	6.5	21
16	Evaluation of spare transformer requirements for distribution substations via chronological Monte Carlo simulation. , 2017, , .		6
17	Transmission network cost allocation via nodal methodology considering different dispatching scenarios and tariff zones. , 2017, , .		3
18	A methodology for computing robust dynamic equivalents of large power systems. Electric Power Systems Research, 2017, 143, 513-521.	3.6	7

#	ARTICLE	IF	CITATIONS
19	Constructive metaheuristics applied to transmission expansion planning with security constraints. , 2017, , .		3
20	Transmission expansion planning based on relaxed N-1 criteria and reliability indices. , 2016, , .		3
21	Spinning reserve assessment via quasi-sequential Monte Carlo simulation with renewable sources. , 2016, , .		8
22	Spinning Reserve Assessment Under Transmission Constraints Based on Cross-Entropy Method. IEEE Transactions on Power Systems, 2016, 31, 1624-1632.	6.5	25
23	Transmission expansion planning optimization by adaptive multi-operator evolutionary algorithms. Electric Power Systems Research, 2016, 133, 173-181.	3.6	39
24	A Method for Ranking Critical Nodes in Power Networks Including Load Uncertainties. IEEE Transactions on Power Systems, 2016, 31, 1341-1349.	6.5	43
25	Support Vector Machine application in composite reliability assessment. , 2015, , .		3
26	Spare transformers optimization using Monte Carlo simulation and metaheuristic techniques. , 2015, , .		1
27	Probabilistic Method for Optimizing the Number and Timing of Substation Spare Transformers. IEEE Transactions on Power Systems, 2015, 30, 2004-2012.	6.5	15
28	Composite reliability evaluation with renewable sources based on quasi-sequential Monte Carlo and cross entropy methods. , 2014, , .		12
29	Constructive heuristic algorithm for sub-transmission system planning. , 2014, , .		0
30	Distribution reliability: Data calibration based on Monte Carlo simulation and evolutionary optimization. , 2014, , .		2
31	Conceptual Investigation on Probabilistic Adequacy Protocols: Brazilian Experience. IEEE Transactions on Power Systems, 2014, 29, 1270-1278.	6.5	8
32	Accelerated State Evaluation and Latin Hypercube Sequential Sampling for Composite System Reliability Assessment. IEEE Transactions on Power Systems, 2014, 29, 1692-1700.	6.5	54
33	Probabilistic Evaluation of Substation Criticality Based on Static and Dynamic System Performances. IEEE Transactions on Power Systems, 2014, 29, 1410-1418.	6.5	20
34	Composite Systems Reliability Evaluation Based on Monte Carlo Simulation and Cross-Entropy Methods. IEEE Transactions on Power Systems, 2013, 28, 4598-4606.	6.5	101
35	Simplified Cross-Entropy Based Approach for Generating Capacity Reliability Assessment. IEEE Transactions on Power Systems, 2013, 28, 1609-1616.	6.5	29
36	A New Methodology for Cost Allocation of Transmission Systems in Interconnected Energy Markets. IEEE Transactions on Power Systems, 2013, 28, 740-748.	6.5	24

#	ARTICLE	IF	CITATIONS
37	Composite Reliability Assessment of Power Systems with Large Penetration of Renewable Sources. , 2013, , 107-128.		6
38	Operational Reserve Assessment Considering Wind Power Fluctuations in Power Systems. Energy Systems, 2013, , 379-411.	0.5	1
39	A Cluster and Gradient-Based Artificial Immune System Applied in Optimization Scenarios. IEEE Transactions on Evolutionary Computation, 2012, 16, 301-318.	10.0	24
40	Distributed Energy Resources Impact on Distribution System Reliability Under Load Transfer Restrictions. IEEE Transactions on Smart Grid, 2012, 3, 2048-2055.	9.0	50
41	Probabilistic Analysis for Maximizing the Grid Integration of Wind Power Generation. IEEE Transactions on Power Systems, 2012, 27, 2323-2331.	6.5	26
42	Chronological Power Flow for Planning Transmission Systems Considering Intermittent Sources. IEEE Transactions on Power Systems, 2012, 27, 2314-2322.	6.5	36
43	Multi-agent systems applied to reliability assessment of power systems. International Journal of Electrical Power and Energy Systems, 2012, 42, 367-374.	5.5	25
44	Long term evaluation of operating reserve with high penetration of renewable energy sources. , 2011, , .		5
45	Reliability Assessment of Time-Dependent Systems via Sequential Cross-Entropy Monte Carlo Simulation. IEEE Transactions on Power Systems, 2011, 26, 2381-2389.	6.5	86
46	Transmission Expansion Planning: A Methodology to Include Security Criteria and Uncertainties Using Optimization Techniques. Springer Series in Reliability Engineering, 2011, , 191-220.	0.5	3
47	Reliability worth applied to transmission expansion planning based on ant colony system. International Journal of Electrical Power and Energy Systems, 2010, 32, 1077-1084.	5.5	68
48	Reliability assessment of time-dependent systems via quasi-sequential Monte Carlo simulation. , 2010, , .		27
49	Generating Capacity Reliability Evaluation Based on Monte Carlo Simulation and Cross-Entropy Methods. IEEE Transactions on Power Systems, 2010, 25, 129-137.	6.5	111
50	Transmission expansion planning: A discussion on reliability and security criteria. , 2010, , .		19
51	Probabilistic evaluation of reserve requirements of generating systems with renewable power sources: The Portuguese and Spanish cases. International Journal of Electrical Power and Energy Systems, 2009, 31, 562-569.	5.5	62
52	Artificial Immune System Applied to the Multi-stage Transmission Expansion Planning. Lecture Notes in Computer Science, 2009, , 178-191.	1.3	17
53	Artificial Immune Systems and Differential Evolution Based Approaches Applied to Multi-Stage Transmission Expansion Planning. , 2009, , .		6
54	Network Reconfiguration of Distribution Systems Using Metaheuristics and Reliability Measures. , 2009, , .		2

#	ARTICLE	IF	CITATIONS
55	Improving Power System Reliability Calculation Efficiency With EPSO Variants. IEEE Transactions on Power Systems, 2009, 24, 1772-1779.	6.5	70
56	Composite Reliability Assessment Based on Monte Carlo Simulation and Artificial Neural Networks. IEEE Transactions on Power Systems, 2007, 22, 1202-1209.	6.5	85
57	Application of Monte Carlo simulation to generating system well-being analysis considering renewable sources. European Transactions on Electrical Power, 2007, 17, 387-400.	1.0	23
58	An approach to the explicit consideration of unreliability costs in transmission expansion planning. European Transactions on Electrical Power, 2007, 17, 401-412.	1.0	10
59	A Gradient-Based Artificial Immune System Applied to Optimal Power Flow Problems. Lecture Notes in Computer Science, 2007, , 1-12.	1.3	27
60	Chronological Monte Carlo-Based Assessment of Distribution System Reliability. , 2006, , .		20
61	Application of Monte Carlo Simulation to Well-Being Analysis of Large Composite Power Systems. , 2006, , .		9
62	Evolution Strategies to Transmission Expansion Planning Considering Unreliability Costs. , 2006, , .		11
63	Impacto de programas de gerenciamento da demanda no custo da perda de carga. Controle and Automacao, 2003, 14, 422-429.	0.2	1