

Luis Antonio Marcelino Ferreira

List of Publications by Year in descending order

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68
papers

2,463
citations

394421

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68
all docs

68
docs citations

68
times ranked

2057
citing authors

#	ARTICLE	IF	CITATIONS
1	Distributed Reactive Power Generation Control for Voltage Rise Mitigation in Distribution Networks. IEEE Transactions on Power Systems, 2008, 23, 766-772.	6.5	505
2	Short-term electricity prices forecasting in a competitive market: A neural network approach. Electric Power Systems Research, 2007, 77, 1297-1304.	3.6	333
3	Wind Integration in Power Systems: Operational Challenges and Possible Solutions. Proceedings of the IEEE, 2011, 99, 214-232.	21.3	320
4	Distributed Energy Resources Integration Challenges in Low-Voltage Networks: Voltage Control Limitations and Risk of Cascading. IEEE Transactions on Sustainable Energy, 2013, 4, 82-88.	8.8	149
5	Scheduling of Head-Sensitive Cascaded Hydro Systems: A Nonlinear Approach. IEEE Transactions on Power Systems, 2009, 24, 337-346.	6.5	148
6	Short-term resource scheduling in multi-area hydrothermal power systems. International Journal of Electrical Power and Energy Systems, 1989, 11, 200-212.	5.5	107
7	A comparison between chronological and probabilistic methods to estimate wind power capacity credit. IEEE Transactions on Power Systems, 2001, 16, 904-909.	6.5	84
8	A Decomposition Approach to Optimal Remote Controlled Switch Allocation in Distribution Systems. IEEE Transactions on Power Delivery, 2005, 20, 1031-1036.	4.3	83
9	A practical approach for profit-based unit commitment with emission limitations. International Journal of Electrical Power and Energy Systems, 2010, 32, 218-224.	5.5	56
10	Optimal distribution network expansion planning under uncertainty by evolutionary decision convergence. International Journal of Electrical Power and Energy Systems, 1998, 20, 125-129.	5.5	50
11	Parameterisation effect on the behaviour of a head-dependent hydro chain using a nonlinear model. Electric Power Systems Research, 2006, 76, 404-412.	3.6	50
12	Short-term scheduling of thermal units: emission constraints and trade-off curves. European Transactions on Electrical Power, 2008, 18, 1-14.	1.0	48
13	Distribution network expansion planning under uncertainty: a hedging algorithm in an evolutionary approach. IEEE Transactions on Power Delivery, 2000, 15, 412-416.	4.3	36
14	Optimization approach to dynamic restoration of distribution systems. International Journal of Electrical Power and Energy Systems, 2007, 29, 222-229.	5.5	34
15	On spanning-tree recombination in evolutionary large-scale network problems - application to electrical distribution planning. IEEE Transactions on Evolutionary Computation, 2001, 5, 623-630.	10.0	29
16	Lessons from wind policy in Portugal. Energy Policy, 2017, 103, 193-202.	8.8	29
17	Optimising power generation efficiency for head-sensitive cascaded reservoirs in a competitive electricity market. International Journal of Electrical Power and Energy Systems, 2008, 30, 125-133.	5.5	27
18	Tellegen's theorem and power systems-new load flow equations, new solution methods. IEEE Transactions on Circuits and Systems, 1990, 37, 519-526.	0.9	25

#	ARTICLE	IF	CITATIONS
19	Economic analysis of the profitability of existing wind parks in Portugal. Energy Economics, 2014, 45, 353-363.	12.1	22
20	An Artificial Neural Network Approach for Short-Term Electricity Prices Forecasting. , 2007, , .		20
21	Reinforcement Scheduling Convergence in Power Systems Transmission Planning. IEEE Transactions on Power Systems, 2005, 20, 1151-1157.	6.5	19
22	Nonlinear optimization method for short-term hydro scheduling considering head-dependency. European Transactions on Electrical Power, 2010, 20, 172-183.	1.0	19
23	Urban Distribution Network Investment Criteria for Reliability Adequacy. IEEE Transactions on Power Systems, 2004, 19, 1216-1222.	6.5	16
24	Distribution Quality of Service and Reliability Optimal Design: Individual Standards and Regulation Effectiveness. IEEE Transactions on Power Systems, 2005, 20, 2086-2092.	6.5	16
25	Profit-Based Short-Term Hydro Scheduling considering Head-Dependent Power Generation. , 2007, , .		15
26	Computational analysis of adjoint network-based methods applied to contingency evaluation. International Journal of Electrical Power and Energy Systems, 1989, 11, 123-130.	5.5	13
27	Profit-Based Unit Commitment with Emission Limitations: A Multiobjective Approach. , 2007, , .		13
28	On the convergence of the classic hydro-thermal coordination algorithm. IEEE Transactions on Power Systems, 1994, 9, 1002-1008.	6.5	12
29	Building Stochastic Non-Stationary Daily Load/Generation Profiles for Distribution Planning Studies. IEEE Transactions on Power Systems, 2018, 33, 911-920.	6.5	12
30	Sensitivity analysis and contingency evaluation by adjoint network-based methods. International Journal of Electrical Power and Energy Systems, 1989, 11, 57-64.	5.5	11
31	Evaluation of short-term wind predictability. IEEE Transactions on Energy Conversion, 1992, 7, 409-417.	5.2	11
32	Adjoint network sensitivity based state variable evaluation for large-scale contingency events. Electric Power Systems Research, 1987, 12, 83-92.	3.6	10
33	Dynamic Restoration of Large-Scale Distribution Network Contingencies: Crew Dispatch Assessment. , 2007, , .		9
34	Optimal control: Load frequency control of a large power system. , 2008, , .		9
35	Optimal output control: Load frequency control of a large power system. , 2009, , .		9
36	Dynamic monitoring and decision systems (DYMONDS) framework for reliable and efficient congestion management in smart distribution grids. , 2013, , .		8

#	ARTICLE	IF	CITATIONS
37	Improving PV Resilience by Dynamic Reconfiguration in Distribution Grids: Problem Complexity and Computation Requirements. <i>Energies</i> , 2021, 14, 830.	3.1	8
38	Local Network Power Flow Analysis: An Accuracy Level Comparison for Two Sets of Equations. <i>IEEE Transactions on Power Systems</i> , 2006, 21, 1624-1629.	6.5	7
39	Mitigation of Interruption Reimbursements by Periodic Network Reconfiguration: Risk-Based Versus Expected-Value Optimization. <i>IEEE Transactions on Power Systems</i> , 2007, 22, 845-850.	6.5	7
40	Power plant multistage investment under market uncertainty. <i>IET Generation, Transmission and Distribution</i> , 2008, 2, 149.	2.5	7
41	Combined Effects of Load Variability and Phase Imbalance Onto Simulated LV Losses. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 7031-7041.	6.5	7
42	Dispatch of Head Dependent Hydro Units: Modeling for optimal generation in electricity market. , 2009, , .		6
43	Optimal Meter Placement in Low Observability Distribution Networks with DER. <i>Electric Power Systems Research</i> , 2020, 189, 106707.	3.6	6
44	Adjoint network sensitivity based performance index evaluation for large-scale contingency events. <i>Electric Power Systems Research</i> , 1987, 13, 241-246.	3.6	5
45	Application of Neural Networks on Next-Day Electricity Prices Forecasting. , 2006, , .		5
46	A procedure to specify the weighting matrices for an optimal load-frequency controller. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 0, , .	1.4	5
47	Nonlinear approach for short-term scheduling of a head-sensitive hydro chain. , 2005, , .		4
48	Unit Commitment in a Competitive and Emission Constrained Environment. <i>IEEE Latin America Transactions</i> , 2009, 7, 560-568.	1.6	4
49	Single-Phase Generation Headroom in Low-Voltage Distribution Networks Under Reduced Circuit Characterization. <i>IEEE Transactions on Power Systems</i> , 2015, 30, 1006-1011.	6.5	4
50	Ultimate limits to the fully decentralized power inverter control in distribution grids. , 2016, , .		4
51	Large-Scale Network Optimization with Evolutionary Hybrid Algorithms: Ten Yearsâ€™ Experience with the Electric Power Distribution Industry. <i>Adaptation, Learning, and Optimization</i> , 2010, , 325-343.	0.6	4
52	On the robust application of loop optimization: heuristics in distribution operations planning. <i>IEEE Transactions on Power Systems</i> , 2002, 17, 1245-1249.	6.5	3
53	Power house I/O curves considering head dependency. , 2009, , .		3
54	Loss sensitivity formulas by adjoint networks. <i>Electric Power Systems Research</i> , 2010, 80, 1353-1356.	3.6	3

#	ARTICLE	IF	CITATIONS
55	A linear array position sensitive detector based on amorphous silicon. Review of Scientific Instruments, 1995, 66, 5317-5321.	1.3	2
56	Complete adjoint-based incremental power flow equations. Electric Power Systems Research, 2009, 79, 1136-1144.	3.6	2
57	Voltage distortion in large-scale MV and HV distribution networks: harmonic analysis and simulation. , 2009, , .		2
58	Pole-shifting procedure to specify the weighting matrices for a load-frequency controller. , 2010, , .		2
59	DPlan: a case study on the cooperation between university and industry. , 0, , .		1
60	Overview of Economic and Environmental Policy Issues Affecting Thermal Power Systems Operational Planning Under Deregulation. , 2006, , .		1
61	Probabilistic assessment of the safety, security and efficiency of large-scale LV networks. , 2009, , .		1
62	Optimal response of a hydroelectric power plant with bilateral contracts. , 2010, , .		1
63	Nonlinear head-sensitive hydroelectric generation scheduling in competitive electricity market. , 2012, , .		1
64	Improved demand controllability by grid reconfiguration for congestion management. , 2014, , .		1
65	Comparing Power Flow Equations on a Local Basis for Distribution Networks. , 2007, , .		0
66	Order Independent Switching Operations in Radially Operated Networks. , 2007, , .		0
67	EDP methodology and practice on developed techniques to attenuate voltage distortion in MV distribution networks. , 2011, , .		0
68	Re-power a distribution network with a rapidly changing level of demand through simulation technology. , 2009, , .		0