Secundino Soares Filho

List of Publications by Year
in descending order

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44 papers	1,050 citations	471509 17 h-index	454955 30 g-index
44 all docs	44 docs citations	44 times ranked	546 citing authors

#	Article	IF	Citations
1	Optimal dispatch of generating units of the Itaipu hydroelectric plant. IEEE Transactions on Power Systems, 2002, 17, 154-158.	6.5	153
2	MW and MVar Management on Supply and Demand Side for Meeting Voltage Stability Margin Criteria. IEEE Transactions on Power Systems, 2004, 19, 1538-1545.	6.5	85
3	A network flow model for short-term hydro-dominated hydrothermal scheduling problems. IEEE Transactions on Power Systems, 1994, 9, 1016-1022.	6.5	76
4	Optimal operation of reservoirs for electric generation. IEEE Transactions on Power Delivery, 1991, 6, 1101-1107.	4.3	66
5	Minimum loss predispatch model for hydroelectric power systems. IEEE Transactions on Power Systems, 1997, 12, 1220-1228.	6.5	65
6	An Efficient Hydrothermal Scheduling Algorithm. IEEE Transactions on Power Systems, 1987, 2, 537-542.	6.5	64
7	A second order network flow algorithm for hydrothermal scheduling. IEEE Transactions on Power Systems, 1995, 10, 1635-1641.	6.5	49
8	Short term hydroelectric scheduling combining network flow and interior point approaches. International Journal of Electrical Power and Energy Systems, 2005, 27, 91-99.	5.5	49
9	Comparison between closed-loop and partial open-loop feedback control policies in long term hydrothermal scheduling. IEEE Transactions on Power Systems, 2002, 17, 330-336.	6.5	45
10	Optimal active power dispatch combining network flow and interior point approaches. IEEE Transactions on Power Systems, 2003, 18, 1235-1240.	6.5	44
11	Optimal active power dispatch by network flow approach. IEEE Transactions on Power Systems, 1988, 3, 1640-1647.	6.5	37
12	Nonlinear Medium-Term Hydro-Thermal Scheduling With Transmission Constraints. IEEE Transactions on Power Systems, 2014, 29, 1623-1633.	6.5	37
13	A large scale of an optimal deterministic hydrothermal scheduling algorithm. IEEE Transactions on Power Systems, 1990, 5, 204-211.	6.5	32
14	A short term hydrothermal scheduling approach for dominantly hydro systems. IEEE Transactions on Power Systems, 1991, 6, 637-643.	6.5	31
15	A general parametric optimal power flow. IEEE Transactions on Power Systems, 1994, 9, 540-547.	6.5	29
16	A dual augmented Lagrangian approach for optimal power flow. IEEE Transactions on Power Systems, 1988, 3, 1020-1025.	6.5	25
17	Interior point method for long-term generation scheduling of large-scale hydrothermal systems. Annals of Operations Research, 2009, 169, 55-80.	4.1	17
18	Long-term hydropower scheduling based on deterministic nonlinear optimization and annual inflow forecasting models. , 2009, , .		17

#	Article	IF	Citations
19	NEWAVE versus ODIN: comparison of stochastic and deterministic models for the long term hydropower scheduling of the interconnected brazilian system. Controle and Automacao, 2011, 22, 598-609.	0.2	13
20	Ensemble of Markovian stochastic dynamic programming models in different time scales for long term hydropower scheduling. Electric Power Systems Research, 2017, 150, 129-136.	3.6	13
21	Bendersâ€™ decomposition of the unit commitment problem with semidefinite relaxation of AC power flow constraints. Electric Power Systems Research, 2021, 192, 106965.	3.6	12
22	Numerical experiments with an optimal power flow algorithm based on parametric techniques. IEEE Transactions on Power Systems, 2001, 16, 374-379.	6.5	9
23	An Adaptive Hybrid Model for Monthly Streamflow Forecasting. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	9
24	A Constructive-Fuzzy System Modeling for Time Series Forecasting. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	8
25	Verifying the Use of Evolving Fuzzy Systems for Multi-Step Ahead Daily Inflow Forecasting. , 2009, , .		8
26	Optimal power flow models using network flow method. , 2012, , .		7
27	Deterministic versus stochastic dynamic programming for long term hydropower scheduling. , 2011, , .		6
28	How to efficiently incorporate facts devices in optimal active power flow model. Journal of Industrial and Management Optimization, 2010, 6, 315-331.	1.3	6
29	Security constrained optimal active power flow via network model and interior point method. Controle and Automacao, 2009, 20, 206-216.	0.2	5
30	MÃ©todos de pontos interiores para problema de fluxo de potÃªncia Ã³timo DC. Controle and Automacao, 2003, 14, 278-285.	0.2	4
31	Unit Commitment of Hydro Dominated Systems. International Journal of Emerging Electric Power Systems, 2008, 9, .	0.8	4
32	Computer-Aided System for Managing, Controlling, and Analyzing Data from Hydroelectric Plants. , 2009, , .		4
33	TÃ©cnica de identificaÃ§Ã£o de modelos lineares e nÃ£o-lineares de sÃ©ries temporais. Controle and Automacao, 2006, 17, 245-256.	0.2	3
34	A predictive control approach for long term hydrothermal scheduling. , 2009, , .		3
35	A Simulator of the Hydroelectric Plants Operation as Tool for Analyzing Data. , 2009, , .		3
36	A nonlinear model for the long-term hydro-thermal generation scheduling problem over multiple areas with transmission constraints. , 2009, , .		2

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37	Predictive Control Approach for Long-Term Hydropower Scheduling Using Annual Inflow Forecasting Model. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 191-196.	0.4	2
38	Model predictive control applied to the long-term hydrothermal scheduling of the Brazilian power system. , 2013, , .		2
39	Using semidefinite relaxation to solve the day-ahead hydro unit commitment problem. , 2015, , .		2
40	Comparison of dynamic programming policies for long-term hydrothermal scheduling of single-reservoir systems in steady-state regime. Electric Power Systems Research, 2021, 196, 107275.	3.6	2
41	A Comparative Study between an Offline and an Online Fuzzy Model. , 2007, , .		1
42	Accuracy assessment of the long-term hydro simulation model used in Brazil based on post-operation data. , 2017, , .		1
43	Impact of reservoir operating rules on the performance of multi-purpose cascade hydroelectric systems: The case of TietÃª-ParanÃ¡ Waterway. , 2018, , .		0
44	AnÃ¡lise do erro de previsÃ£o de vazÃµes mensais com diferentes horizontes de previsÃ£o. Controle and Automacao, 2012, 23, 294-305.	0.2	0