Secundino Soares Filho

List of Publications by Year
in descending order

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	Benders' decomposition of the unit commitment problem with semidefinite relaxation of AC power flow constraints. Electric Power Systems Research, 2021, 192, 106965.	3.6	12
2	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
3	Impact of reservoir operating rules on the performance of multi-purpose cascade hydroelectric systems: The case of Tietê-Paraná Waterway. , 2018, , .		0
4	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
5	Accuracy assessment of the long-term hydro simulation model used in Brazil based on post-operation data. , 2017, , .		1
6	Using semidefinite relaxation to solve the day-ahead hydro unit commitment problem. , 2015, , .		2
7	Nonlinear Medium-Term Hydro-Thermal Scheduling With Transmission Constraints. IEEE Transactions on Power Systems, 2014, 29, 1623-1633.	6.5	37
8	Model predictive control applied to the long-term hydrothermal scheduling of the Brazilian power system. , 2013, , .		2
9	Optimal power flow models using network flow method. , 2012, , .		7
10	Análise do erro de previsão de vazões mensais com diferentes horizontes de previsão. Controle and Automacao, 2012, 23, 294-305.	0.2	0
11	Deterministic versus stochastic dynamic programming for long term hydropower scheduling. , 2011, , .		6
12	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
13	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
14	A nonlinear model for the long-term hydro-thermal generation scheduling problem over multiple areas with transmission constraints. , 2009, , .		2
15	A predictive control approach for long term hydrothermal scheduling. , 2009, , .		3
16	Interior point method for long-term generation scheduling of large-scale hydrothermal systems. Annals of Operations Research, 2009, 169, 55-80.	4.1	17
17	A Simulator of the Hydroelectric Plants Operation as Tool for Analyzing Data. , 2009, , .		3
18	Verifying the Use of Evolving Fuzzy Systems for Multi-Step Ahead Daily Inflow Forecasting. , 2009, , .		8

#	ARTICLE	IF	CITATIONS
19	Long-term hydropower scheduling based on deterministic nonlinear optimization and annual inflow forecasting models. , 2009, , .		17
20	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
21	Computer-Aided System for Managing, Controlling, and Analyzing Data from Hydroelectric Plants. , 2009, , .		4
22	Security constrained optimal active power flow via network model and interior point method. Controle and Automacao, 2009, 20, 206-216.	0.2	5
23	Unit Commitment of Hydro Dominated Systems. International Journal of Emerging Electric Power Systems, 2008, 9, .	0.8	4
24	An Adaptive Hybrid Model for Monthly Streamflow Forecasting. IEEE International Conference on Fuzzy Systems, 2007, , .	0.0	9
25	A Constructive-Fuzzy System Modeling for Time Series Forecasting. Neural Networks (IJCNN), International Joint Conference on, 2007, , .	0.0	8
26	A Comparative Study between an Offline and an Online Fuzzy Model. , 2007, , .		1
27	Técnica de identificação de modelos lineares e não-lineares de séries temporais. Controle and Automacao, 2006, 17, 245-256.	0.2	3
28	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
29	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
30	Optimal active power dispatch combining network flow and interior point approaches. IEEE Transactions on Power Systems, 2003, 18, 1235-1240.	6.5	44
31	Métodos de pontos interiores para problema de fluxo de potência ótimo DC. Controle and Automacao, 2003, 14, 278-285.	0.2	4
32	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
33	Optimal dispatch of generating units of the Itaipu hydroelectric plant. IEEE Transactions on Power Systems, 2002, 17, 154-158.	6.5	153
34	Numerical experiments with an optimal power flow algorithm based on parametric techniques. IEEE Transactions on Power Systems, 2001, 16, 374-379.	6.5	9
35	Minimum loss predispatch model for hydroelectric power systems. IEEE Transactions on Power Systems, 1997, 12, 1220-1228.	6.5	65
36	A second order network flow algorithm for hydrothermal scheduling. IEEE Transactions on Power Systems, 1995, 10, 1635-1641.	6.5	49

#	Article	IF	Citations
37	A network flow model for short-term hydro-dominated hydrothermal scheduling problems. IEEE Transactions on Power Systems, 1994, 9, 1016-1022.	6.5	76
38	A general parametric optimal power flow. IEEE Transactions on Power Systems, 1994, 9, 540-547.	6.5	29
39	A short term hydrothermal scheduling approach for dominantly hydro systems. IEEE Transactions on Power Systems, 1991, 6, 637-643.	6.5	31
40	Optimal operation of reservoirs for electric generation. IEEE Transactions on Power Delivery, 1991, 6, 1101-1107.	4.3	66
41	A large scale of an optimal deterministic hydrothermal scheduling algorithm. IEEE Transactions on Power Systems, 1990, 5, 204-211.	6.5	32
42	A dual augmented Lagrangian approach for optimal power flow. IEEE Transactions on Power Systems, 1988, 3, 1020-1025.	6.5	25
43	Optimal active power dispatch by network flow approach. IEEE Transactions on Power Systems, 1988, 3, 1640-1647.	6.5	37
44	An Efficient Hydrothermal Scheduling Algorithm. IEEE Transactions on Power Systems, 1987, 2, 537-542.	6.5	64