

Gonzalo Alvarez

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

153
citations

1478280

6
h-index

1199470

12
g-index

20
all docs

20
docs citations

20
times ranked

135
citing authors

#	ARTICLE	IF	CITATIONS
1	Security-Constrained Unit Commitment Problem including thermal and pumped storage units: An MILP formulation by the application of linear approximations techniques. <i>Electric Power Systems Research</i> , 2018, 154, 67-74.	2.1	29
2	Optimization of the integration among traditional fossil fuels, clean energies, renewable sources, and energy storages: An MILP model for the coupled electric power, hydraulic, and natural gas systems. <i>Computers and Industrial Engineering</i> , 2020, 139, 106141.	3.4	27
3	Operation of pumped storage hydropower plants through optimization for power systems. <i>Energy</i> , 2020, 202, 117797.	4.5	27
4	Security constrained unit commitment scheduling: A new MILP formulation for solving transmission constraints. <i>Computers and Chemical Engineering</i> , 2018, 115, 455-473.	2.0	17
5	Integrated scheduling from a diversity of sources applied to the Argentine electric power and natural gas systems. <i>Computers and Chemical Engineering</i> , 2020, 134, 106691.	2.0	12
6	Optimization analysis for hydro pumped storage and natural gas accumulation technologies in the Argentine Energy System. <i>Journal of Energy Storage</i> , 2020, 31, 101646.	3.9	9
7	Stochastic optimization considering the uncertainties in the electricity demand, natural gas infrastructures, photovoltaic units, and wind generation. <i>Computers and Chemical Engineering</i> , 2022, 160, 107712.	2.0	8
8	Unit Commitment Scheduling Including Transmission Constraints: a MILP Formulation. <i>Computer Aided Chemical Engineering</i> , 2016, , 2157-2162.	0.3	6
9	Mathematical model to control the Argentine Energy System during the COVID 19 pandemic. <i>IEEE Latin America Transactions</i> , 2021, 19, 874-883.	1.2	3
10	A novel strategy to restore power systems after a great blackout. The Argentinean case. <i>Energy Strategy Reviews</i> , 2021, 37, 100685.	3.3	3
11	Optimization of Electricity Distribution in Latin America by Using Embedded Systems. <i>IEEE Latin America Transactions</i> , 2019, 18, 351-359.	1.2	2
12	A multi-objective formulation of improving flexibility in the operation of electric power systems: Application to mitigation measures during the coronavirus pandemic. <i>Energy</i> , 2021, 227, 120471.	4.5	2
13	A REFLEX Algebraic Reserve Constraint Model. , 2020, , .		2
14	An Optimization Model for Operations of Large scale Hydro Power Plants. <i>IEEE Latin America Transactions</i> , 2020, 18, 1631-1638.	1.2	2
15	Enhancing of the operational decisions in Electric Power Systems under blackouts. , 2020, , .		2
16	Optimization of Electricity Distribution in Latin America by Using Embedded Systems. <i>IEEE Latin America Transactions</i> , 2020, 18, 351-359.	1.2	1
17	Solving the Unit Commitment and Economic Dispatch Problems by Applying a Novel Weighted Decomposition Method. <i>Computers and Chemical Engineering</i> , 2021, 150, 107337.	2.0	1
18	A multi-objective model for the analysis of investments to achieve an electricity cleaner production. The case of the Argentinean system. <i>Environmental Progress and Sustainable Energy</i> , 0, , e13713.	1.3	0

#	ARTICLE	IF	CITATIONS
19	Optimization of electric power systems considering the environmental impact and uncertainties. , 2021, , .		0
20	An hybrid simulation-optimization solution for improving the safety of power grids under blackout conditions. , 2021, , .		0