

Gonzalo Alvarez

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7948378/publications.pdf>

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	Stochastic optimization considering the uncertainties in the electricity demand, natural gas infrastructures, photovoltaic units, and wind generation. Computers and Chemical Engineering, 2022, 160, 107712.	2.0	8
2	Mathematical model to control the Argentine Energy System during the COVID 19 pandemic. IEEE Latin America Transactions, 2021, 19, 874-883.	1.2	3
3	A multi-objective formulation of improving flexibility in the operation of electric power systems: Application to mitigation measures during the coronavirus pandemic. Energy, 2021, 227, 120471.	4.5	2
4	Solving the Unit Commitment and Economic Dispatch Problems by Applying a Novel Weighted Decomposition Method. Computers and Chemical Engineering, 2021, 150, 107337.	2.0	1
5	A novel strategy to restore power systems after a great blackout. The Argentinean case. Energy Strategy Reviews, 2021, 37, 100685.	3.3	3
6	Optimization of electric power systems considering the environmental impact and uncertainties. , 2021, , .		0
7	An hybrid simulation-optimization solution for improving the safety of power grids under blackout conditions. , 2021, , .		0
8	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. Computers and Industrial Engineering, 2020, 139, 106141.	3.4	27
9	Integrated scheduling from a diversity of sources applied to the Argentine electric power and natural gas systems. Computers and Chemical Engineering, 2020, 134, 106691.	2.0	12
10	Optimization of Electricity Distribution in Latin America by Using Embedded Systems. IEEE Latin America Transactions, 2020, 18, 351-359.	1.2	1
11	Operation of pumped storage hydropower plants through optimization for power systems. Energy, 2020, 202, 117797.	4.5	27
12	Optimization analysis for hydro pumped storage and natural gas accumulation technologies in the Argentine Energy System. Journal of Energy Storage, 2020, 31, 101646.	3.9	9
13	A REFLEX Algebraic Reserve Constraint Model. , 2020, , .		2
14	An Optimization Model for Operations of Large scale Hydro Power Plants. IEEE Latin America Transactions, 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. IEEE Latin America Transactions, 2019, 18, 351-359.	1.2	2
17	Security-Constrained Unit Commitment Problem including thermal and pumped storage units: An MILP formulation by the application of linear approximations techniques. Electric Power Systems Research, 2018, 154, 67-74.	2.1	29
18	Security constrained unit commitment scheduling: A new MILP formulation for solving transmission constraints. Computers and Chemical Engineering, 2018, 115, 455-473.	2.0	17

#	ARTICLE	IF	CITATIONS
19	Unit Commitment Scheduling Including Transmission Constraints: a MILP Formulation. Computer Aided Chemical Engineering, 2016, , 2157-2162.	0.3	6
20	A multi-objective model for the analysis of investments to achieve an electricity cleaner production. The case of the Argentinean system. Environmental Progress and Sustainable Energy, 0, , e13713.	1.3	0