

Maria Nataly Bañol Arias

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

482
citations

933447

10
h-index

1281871

11
g-index

20
all docs

20
docs citations

20
times ranked

445
citing authors

#	ARTICLE	IF	CITATIONS
1	Sustainable charging schedule of electric buses in a University Campus: A rolling horizon approach. Renewable and Sustainable Energy Reviews, 2022, 161, 112276.	16.4	20
2	Multi-Objective Sizing of Battery Energy Storage Systems for Stackable Grid Applications. IEEE Transactions on Smart Grid, 2021, 12, 2708-2721.	9.0	39
3	Boosting the Usage of Green Energy for EV Charging in Smart Buildings Managed by an Aggregator Through a Novel Renewable Usage Index. IEEE Access, 2021, 9, 105357-105368.	4.2	13
4	Adaptive Robust Linear Programming Model for the Charging Scheduling and Reactive Power Control of EV Fleets. , 2021, , .		1
5	Secondary Reserve Provision through a Smart Aggregation Strategy of Electric Vehicles. , 2021, , .		3
6	An MPEC Model for the Optimal Operation of Unbalanced Three-phase Distribution Systems. , 2021, , .		1
7	An optimal stochastic energy management system for resilient microgrids. Applied Energy, 2021, 300, 117435.	10.1	45
8	Investment & generation costs vs CO2 emissions in the distribution system expansion planning: A multi-objective stochastic programming approach. International Journal of Electrical Power and Energy Systems, 2021, 131, 106925.	5.5	27
9	Enhanced Coordination Strategy for an Aggregator of Distributed Energy Resources Participating in the Day-Ahead Reserve Market. Energies, 2020, 13, 1965.	3.1	11
10	Assessment of economic benefits for EV owners participating in the primary frequency regulation markets. International Journal of Electrical Power and Energy Systems, 2020, 120, 105985.	5.5	28
11	Multifunctional applications of batteries within fast-charging stations based on EV demand prediction of the users' behaviour. Journal of Engineering, 2019, 2019, 4869-4873.	1.1	10
12	A Stochastic Programming Model for the Planning of Distribution Systems Considering Renewable Distributed Generation and CO ₂ Emissions. , 2019, , .		6
13	Distribution System Services Provided by Electric Vehicles: Recent Status, Challenges, and Future Prospects. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 4277-4296.	8.0	110
14	Robust Joint Expansion Planning of Electrical Distribution Systems and EV Charging Stations. IEEE Transactions on Sustainable Energy, 2018, 9, 884-894.	8.8	97
15	Optimal Sizing of Stationary Energy Storage Systems Participating in Primary Frequency Regulation Markets. , 2018, , .		2
16	Frequency Regulation Provision Using Cross-Brand Bidirectional V2G-Enabled Electric Vehicles. , 2018, , .		4
17	V2G enabled EVs providing frequency containment reserves: Field results. , 2018, , .		13
18	Metaheuristic optimization algorithms for the optimal coordination of plug-in electric vehicle charging in distribution systems with distributed generation. Electric Power Systems Research, 2017, 142, 351-361.	3.6	50

#	ARTICLE	IF	CITATIONS
19	GRASP algorithm for charging coordination of plug-in electric vehicles in electrical distribution systems. , 2016, , .		0
20	Plug-in electric vehicle charging coordination in electrical distribution systems using a Tabu Search algorithm. , 2015, , .		2