

# 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	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
2	Robust Joint Expansion Planning of Electrical Distribution Systems and EV Charging Stations. IEEE Transactions on Sustainable Energy, 2018, 9, 884-894.	8.8	97
3	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
4	An optimal stochastic energy management system for resilient microgrids. Applied Energy, 2021, 300, 117435.	10.1	45
5	Multi-Objective Sizing of Battery Energy Storage Systems for Stackable Grid Applications. IEEE Transactions on Smart Grid, 2021, 12, 2708-2721.	9.0	39
6	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
7	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
8	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
9	V2G enabled EVs providing frequency containment reserves: Field results. , 2018, , .		13
10	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
11	Enhanced Coordination Strategy for an Aggregator of Distributed Energy Resources Participating in the Day-Ahead Reserve Market. Energies, 2020, 13, 1965.	3.1	11
12	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
13	A Stochastic Programming Model for the Planning of Distribution Systems Considering Renewable Distributed Generation and CO <sub>2</sub> Emissions. , 2019, , .		6
14	Frequency Regulation Provision Using Cross-Brand Bidirectional V2G-Enabled Electric Vehicles. , 2018, , .		4
15	Secondary Reserve Provision through a Smart Aggregation Strategy of Electric Vehicles. , 2021, , .		3
16	Plug-in electric vehicle charging coordination in electrical distribution systems using a Tabu Search algorithm. , 2015, , .		2
17	Optimal Sizing of Stationary Energy Storage Systems Participating in Primary Frequency Regulation Markets. , 2018, , .		2
18	Adaptive Robust Linear Programming Model for the Charging Scheduling and Reactive Power Control of EV Fleets. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	An MPEC Model for the Optimal Operation of Unbalanced Three-phase Distribution Systems. , 2021, , .		1
20	GRASP algorithm for charging coordination of plug-in electric vehicles in electrical distribution systems. , 2016, , .		0