Miguel A Ortega-Vazquez

List of Publications by Year
in descending order

38 papers	2,793 citations	361413 20 h-index	580821 25 g-index
39 all docs	39 docs citations	39 times ranked	2448 citing authors

#	Article	IF	Citations
1	Generation of Multi-Resolution Scenarios of Stochastic Variables for Operation Planning Studies. , 2022, , .		0
2	Risk-Based Reserve Procurement. , 2020, , .		3
3	Incorporating a Nodal Reactive Power Pricing Scheme Into the DisCoâ€™s Short-Term Operation. IEEE Transactions on Smart Grid, 2019, 10, 3720-3731.	9.0	14
4	Planning Low-Carbon Campus Energy Hubs. IEEE Transactions on Power Systems, 2019, 34, 1895-1907.	6.5	54
5	Participation of an Energy Storage Aggregator in Electricity Markets. IEEE Transactions on Smart Grid, 2019, 10, 1171-1183.	9.0	71
6	Optimal operation of aggregated electric vehicle charging stations coupled with energy storage. IET Generation, Transmission and Distribution, 2018, 12, 1127-1136.	2.5	54
7	Tractable and Robust Modeling of Building Flexibility Using Coarse Data. IEEE Transactions on Power Systems, 2018, 33, 5456-5468.	6.5	7
8	Optimal Penetration of Home Energy Management Systems in Distribution Networks Considering Transformer Aging. IEEE Transactions on Smart Grid, 2018, 9, 3330-3340.	9.0	34
9	Decentralized Coordination of a Building Manager and an Electric Vehicle Aggregator. IEEE Transactions on Smart Grid, 2018, 9, 2625-2637.	9.0	39
10	Incorporating energy storage into probabilistic securityâ€constrained unit commitment. IET Generation, Transmission and Distribution, 2018, 12, 4206-4215.	2.5	20
11	Shortâ€term operation of a distribution company: A pseudoâ€dynamic tabu searchâ€based optimisation. IET Generation, Transmission and Distribution, 2018, 12, 2995-3004.	2.5	7
12	Pricing Chance Constraints in Electricity Markets. IEEE Transactions on Power Systems, 2018, 33, 4634-4636.	6.5	16
13	Optimal Carbon Taxes for Emissions Targets in the Electricity Sector. IEEE Transactions on Power Systems, 2018, 33, 5892-5901.	6.5	54
14	Co-Optimization of Distribution Transformer Aging and Energy Arbitrage Using Electric Vehicles. IEEE Transactions on Smart Grid, 2017, 8, 2712-2722.	9.0	60
15	Probabilistic Security-Constrained Unit Commitment With Generation and Transmission Contingencies. IEEE Transactions on Power Systems, 2017, 32, 228-239.	6.5	44
16	Robust allocation of reserves considering different reserve types and the flexibility from HVDC. IET Generation, Transmission and Distribution, 2017, 11, 1472-1478.	2.5	20
17	Optimal operation of a battery energy storage system: Trade-off between grid economics and storage health. Electric Power Systems Research, 2017, 152, 342-349.	3.6	51
18	Increasing the hosting capacity for renewable energy in distribution networks. , 2017, , .		13

#	Article	IF	Citations
19	Assessment of N-k contingencies in a probabilistic security-constrained optimal power flow. , 2016, , .		4
20	Optimal short-term operation of a DisCo including voltage-sensitive loads. , 2016, , .		3
21	Optimal Power Flow with Voltage-Sensitive Loads in Distribution Networks. , 2016, , .		4
22	Optimal Participation of an Electric Vehicle Aggregator in Day-Ahead Energy and Reserve Markets. IEEE Transactions on Power Systems, 2016, 31, 3506-3515.	6.5	178
23	Statistical characterization of electric vehicle charging in different locations of the grid. , 2015, , .		13
24	Optimal Coordination and Scheduling of Demand Response via Monetary Incentives. IEEE Transactions on Smart Grid, 2015, 6, 1341-1352.	9.0	176
25	Optimal investment strategy in photovoltaics and energy storage for commercial buildings. , 2015, , .		5
26	A Hybrid Stochastic/Interval Approach to Transmission-Constrained Unit Commitment. IEEE Transactions on Power Systems, 2015, 30, 621-631.	6.5	122
27	Optimal Operation and Services Scheduling for an Electric Vehicle Battery Swapping Station. IEEE Transactions on Power Systems, 2015, 30, 901-910.	6.5	247
28	Assessing flexibility requirements in power systems. IET Generation, Transmission and Distribution, 2014, 8, 1820-1830.	2.5	106
29	Optimal scheduling of electric vehicle charging and vehicleâ€toâ€grid services at household level including battery degradation and price uncertainty. IET Generation, Transmission and Distribution, 2014, 8, 1007-1016.	2.5	239
30	Electric Vehicle Aggregator/System Operator Coordination for Charging Scheduling and Services Procurement. IEEE Transactions on Power Systems, 2013, 28, 1806-1815.	6.5	201
31	Electric vehicle battery swapping station: Business case and optimization model. , 2013, , .		45
32	Assessing the Impact of Wind Power Generation on Operating Costs. IEEE Transactions on Smart Grid, 2010, 1, 295-301.	9.0	94
33	Generation investment evaluation under uncertainty in a competitive environment. , 2010, , .		3
34	Security provision in systems with large penetration of wind power generation. , 2010, , .		4
35	Estimating the Spinning Reserve Requirements in Systems With Significant Wind Power Generation Penetration. IEEE Transactions on Power Systems, 2009, 24, 114-124.	6.5	555
36	Should the spinning reserve procurement in systems with wind power generation be deterministic or probabilistic?. , 2009, , .		23

#	Article	IF	Citations
37	Assessment of generation expansion mechanisms using multi-agent systems. , 2008, , .		10
38	Optimizing the Spinning Reserve Requirements Using a Cost/Benefit Analysis. IEEE Transactions on Power Systems, 2007, 22, 24-33.	6.5	199