

Ricardo Fernández-Blanco

List of Publications by Year in descending order

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23
papers

833
citations

567281

15
h-index

713466

21
g-index

23
all docs

23
docs citations

23
times ranked

916
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal Energy Storage Siting and Sizing: A WECC Case Study. IEEE Transactions on Sustainable Energy, 2017, 8, 733-743.	8.8	132
2	Ensuring Profitability of Energy Storage. IEEE Transactions on Power Systems, 2017, 32, 611-623.	6.5	125
3	Look-Ahead Bidding Strategy for Energy Storage. IEEE Transactions on Sustainable Energy, 2017, 8, 1106-1117.	8.8	99
4	Scalable Planning for Energy Storage in Energy and Reserve Markets. IEEE Transactions on Power Systems, 2017, 32, 4515-4527.	6.5	99
5	Optimal Carbon Taxes for Emissions Targets in the Electricity Sector. IEEE Transactions on Power Systems, 2018, 33, 5892-5901.	6.5	54
6	Probabilistic Security-Constrained Unit Commitment With Generation and Transmission Contingencies. IEEE Transactions on Power Systems, 2017, 32, 228-239.	6.5	44
7	Sharing Energy Storage Between Transmission and Distribution. IEEE Transactions on Power Systems, 2019, 34, 152-162.	6.5	33
8	New method to assess the long-term role of wind energy generation in reduction of CO2 emissions “ Case study of the European Union. Journal of Cleaner Production, 2019, 207, 1099-1111.	9.3	33
9	On “the Solution of Revenue and Network-Constrained Day-Ahead Market Clearing Under Marginal Pricing” Part I: An Exact Bilevel Programming Approach. IEEE Transactions on Power Systems, 2017, 32, 208-219.	6.5	26
10	Incorporating Price-Responsive Demand in Energy Scheduling Based on Consumer Payment Minimization. IEEE Transactions on Smart Grid, 2016, 7, 817-826.	9.0	23
11	Consumer payment minimization under uniform pricing: A mixed-integer linear programming approach. Applied Energy, 2014, 114, 676-686.	10.1	21
12	Quantifying the water-power linkage on hydrothermal power systems: A Greek case study. Applied Energy, 2017, 203, 240-253.	10.1	21
13	Time-Adaptive Unit Commitment. IEEE Transactions on Power Systems, 2019, 34, 3869-3878.	6.5	21
14	Incorporating energy storage into probabilistic security-constrained unit commitment. IET Generation, Transmission and Distribution, 2018, 12, 4206-4215.	2.5	20
15	An Efficient Robust Approach to the Day-Ahead Operation of an Aggregator of Electric Vehicles. IEEE Transactions on Smart Grid, 2020, 11, 4960-4970.	9.0	17
16	Incorporating a Nodal Reactive Power Pricing Scheme Into the DisCo’s Short-Term Operation. IEEE Transactions on Smart Grid, 2019, 10, 3720-3731.	9.0	14
17	Bilevel programming for price-based electricity auctions: a revenue-constrained case. EURO Journal on Computational Optimization, 2015, 3, 163-195.	2.4	9
18	Forecasting the price-response of a pool of buildings via homothetic inverse optimization. Applied Energy, 2021, 290, 116791.	10.1	9

#	ARTICLE	IF	CITATIONS
19	Impact of local transmission congestion on energy storage arbitrage opportunities. , 2017, , .		8
20	Incorporating storage as a flexible transmission asset in power system operation procedure. , 2016, , .		7
21	Short-term operation of a distribution company: A pseudo-dynamic tabu search-based optimisation. IET Generation, Transmission and Distribution, 2018, 12, 2995-3004.	2.5	7
22	On the Solution of a Revenue- and Network-Constrained Day-Ahead Market Clearing Under Marginal Pricing” Part II: Case Studies. IEEE Transactions on Power Systems, 2017, 32, 220-227.	6.5	6
23	Inverse optimization with kernel regression: Application to the power forecasting and bidding of a fleet of electric vehicles. Computers and Operations Research, 2021, 134, 105405.	4.0	5