

Ricardo Fernández-Blanco

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

833
citations

567281

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713466

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all docs

23
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23
times ranked

916
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Forecasting the price-response of a pool of buildings via homothetic inverse optimization. Applied Energy, 2021, 290, 116791. | 10.1 | 9 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | Sharing Energy Storage Between Transmission and Distribution. IEEE Transactions on Power Systems, 2019, 34, 152-162. | 6.5 | 33 |
| 6 | Time-Adaptive Unit Commitment. IEEE Transactions on Power Systems, 2019, 34, 3869-3878. | 6.5 | 21 |
| 7 | 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 |
| 8 | Incorporating energy storage into probabilistic security-constrained unit commitment. IET Generation, Transmission and Distribution, 2018, 12, 4206-4215. | 2.5 | 20 |
| 9 | 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 |
| 10 | Optimal Carbon Taxes for Emissions Targets in the Electricity Sector. IEEE Transactions on Power Systems, 2018, 33, 5892-5901. | 6.5 | 54 |
| 11 | Probabilistic Security-Constrained Unit Commitment With Generation and Transmission Contingencies. IEEE Transactions on Power Systems, 2017, 32, 228-239. | 6.5 | 44 |
| 12 | Ensuring Profitability of Energy Storage. IEEE Transactions on Power Systems, 2017, 32, 611-623. | 6.5 | 125 |
| 13 | 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 |
| 14 | On the Solution of 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 |
| 15 | Look-Ahead Bidding Strategy for Energy Storage. IEEE Transactions on Sustainable Energy, 2017, 8, 1106-1117. | 8.8 | 99 |
| 16 | Scalable Planning for Energy Storage in Energy and Reserve Markets. IEEE Transactions on Power Systems, 2017, 32, 4515-4527. | 6.5 | 99 |
| 17 | Quantifying the water-power linkage on hydrothermal power systems: A Greek case study. Applied Energy, 2017, 203, 240-253. | 10.1 | 21 |
| 18 | Optimal Energy Storage Siting and Sizing: A WECC Case Study. IEEE Transactions on Sustainable Energy, 2017, 8, 733-743. | 8.8 | 132 |

| # | 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 | Incorporating Price-Responsive Demand in Energy Scheduling Based on Consumer Payment Minimization. IEEE Transactions on Smart Grid, 2016, 7, 817-826. | 9.0 | 23 |
| 22 | Bilevel programming for price-based electricity auctions: a revenue-constrained case. EURO Journal on Computational Optimization, 2015, 3, 163-195. | 2.4 | 9 |
| 23 | Consumer payment minimization under uniform pricing: A mixed-integer linear programming approach. Applied Energy, 2014, 114, 676-686. | 10.1 | 21 |