Miguel CarriÃ³n Ruiz Peinado

List of Publications by Year
in descending order

44 papers	3,791 citations	361296 20 h-index	330025 37 g-index

44 all docs	44 docs citations	44 times ranked	2752 citing authors

#	Article	IF	Citations
1	A Computationally Efficient Mixed-Integer Linear Formulation for the Thermal Unit Commitment Problem. IEEE Transactions on Power Systems, 2006, 21, 1371-1378.	4.6	1,363
2	Decision Making Under Uncertainty in Electricity Markets. Profiles in Operations Research, 2010, , .	0.3	665
3	Scenario Reduction for Futures Market Trading in Electricity Markets. IEEE Transactions on Power Systems, 2009, 24, 878-888.	4.6	219
4	Forward Contracting and Selling Price Determination for a Retailer. IEEE Transactions on Power Systems, 2007, 22, 2105-2114.	4.6	207
5	A Bilevel Stochastic Programming Approach for Retailer Futures Market Trading. IEEE Transactions on Power Systems, 2009, 24, 1446-1456.	4.6	202
6	A Stochastic Programming Approach to Electric Energy Procurement for Large Consumers. IEEE Transactions on Power Systems, 2007, 22, 744-754.	4.6	179
7	Optimal Involvement in Futures Markets of a Power Producer. IEEE Transactions on Power Systems, 2008, 23, 703-711.	4.6	130
8	Toward Fully Renewable Electric Energy Systems. IEEE Transactions on Power Systems, 2015, 30, 316-326.	4.6	119
9	Vulnerability-Constrained Transmission Expansion Planning: A Stochastic Programming Approach. IEEE Transactions on Power Systems, 2007, 22, 1436-1445.	4.6	79
10	Multi-market energy procurement for a large consumer using a risk-aversion procedure. Electric Power Systems Research, 2010, 80, 63-70.	2.1	75
11	A Risk-Based Approach for Transmission Network Expansion Planning Under Deliberate Outages. IEEE Transactions on Power Systems, 2010, 25, 1759-1766.	4.6	59
12	Risk-constrained electricity procurement for a large consumer. IET Generation, Transmission and Distribution, 2006, 153, 407.	1.1	57
13	Operation of a fully renewable electric energy system with CSP plants. Applied Energy, 2014, 119, 417-430.	5.1	45
14	Primary Frequency Response in Capacity Expansion With Energy Storage. IEEE Transactions on Power Systems, 2018, 33, 1824-1835.	4.6	44
15	Investments in merchant energy storage: Trading-off between energy and reserve markets. Applied Energy, 2018, 230, 277-286.	5.1	42
16	Operation of renewable-dominated power systems with a significant penetration of plug-in electric vehicles. Energy, 2015, 90, 827-835.	4.5	37
17	Transmission network expansion planning under deliberate outages. International Journal of Electrical Power and Energy Systems, 2009, 31, 553-561.	3.3	31
18	Impact of Unit Failure on Forward Contracting. IEEE Transactions on Power Systems, 2008, 23, 1768-1775.	4.6	27

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19	Investing in Generation Capacity: A Multi-Stage Linear-Decision-Rule Approach. IEEE Transactions on Power Systems, 2016, 31, 4784-4794.	4.6	25
20	Transmission Expansion Planning Model Considering Battery Energy Storage, TCSC and Lines Using AC OPF. IEEE Access, 2020, 8, 203429-203439.	2.6	24
21	Risk aversion for an electricity retailer with second-order stochastic dominance constraints. Computational Management Science, 2009, 6, 233-250.	0.8	21
22	Generation Capacity Expansion Considering Reserve Provision by Wind Power Units. IEEE Transactions on Power Systems, 2020, 35, 4564-4573.	4.6	21
23	Scheduling isolated power systems considering electric vehicles and primary frequency response. Energy, 2019, 168, 1192-1207.	4.5	16
24	Electricity pool prices: long-term uncertainty characterization for futures-market trading and risk management. Journal of the Operational Research Society, 2010, 61, 235-245.	2.1	13
25	Integration of Electric Vehicles in Low-Voltage Distribution Networks Considering Voltage Management. Energies, 2020, 13, 4125.	1.6	13
26	Transmission Network Expansion Planning Under Deliberate Outages. Energy Systems, 2010, , 365-389.	0.5	12
27	Influence of the controllability of electric vehicles on generation and storage capacity expansion decisions. Energy, 2019, 189, 116156.	4.5	9
28	Determination of the Selling Price Offered by Electricity Suppliers to Electric Vehicle Users. IEEE Transactions on Smart Grid, 2019, 10, 6655-6666.	6.2	8
29	A practical assessment of risk-averse approaches in production lot-sizing problems. International Journal of Production Research, 2020, 58, 2581-2603.	4.9	8
30	Analysis of different modeling approaches for integration studies of plug-in electric vehicles. International Journal of Electrical Power and Energy Systems, 2020, 114, 105398.	3.3	8
31	Insuring unit failures in electricity markets. Energy Economics, 2010, 32, 1268-1276.	5.6	7
32	Impact of off-nominal frequency values on the generation scheduling of small-size power systems. International Journal of Electrical Power and Energy Systems, 2020, 122, 106174.	3.3	6
33	Towards Renewable-Dominated Power Systems Considering Long-Term Uncertainties: Case Study of Las Palmas. Energies, 2021, 14, 3317.	1.6	6
34	A Practical Formulation for Ex-Ante Scheduling of Energy and Reserve in Renewable-Dominated Power Systems: Case Study of the Iberian Peninsula. Energies, 2018, 11, 1939.	1.6	5
35	Analysing decarbonizing strategies in the European power system applying stochastic dominance constraints. Energy Economics, 2021, 101, 105438.	5.6	5
36	Forward trading for an electricity producer. , 2008, , .		2

#	Article	IF	Citations
37	Optimal Management of Combined-Cycle Gas Units with Gas Storage under Uncertainty. Energies, 2020, 13, 113.	1.6	1
38	Generation Capacity Expansion Problem Considering Different Operation Modes of Combined-Cycle Gas Turbines. IEEE Access, 2022, 10, 67276-67288.	2.6	1
39	Electricity Pool Prices: Long-Term Uncertainty Characterization for Futures-Market Trading and Risk Management. SSRN Electronic Journal, 0, , .	0.4	0
40	Risk-aversion modeling: Medium-term electricity retailer decision-making. , 2008, , .		0
41	Valuation of Energy Storage Operation in an AC Power Flow Model. , 2018, , .		0
42	Optimal Adjustments on the Market Dispatch Solution to Supply System Losses. , 2019, , .		0
43	USING SIMULATORS AND PROGRAMMING SOFTWARE TO EASE STUDENTS THE UNDERSTANDING OF POWER SYSTEM ANALYSIS. , 2017, , .		0
44	Optimal pricing for electricity retailers based on data-driven consumersâ€™ price-response. Top, 0, , 1.	1.1	0