

Miguel Carriñán Ruiz Peinado

List of Publications by Year in descending order

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44
papers

3,791
citations

361296

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44
all docs

44
docs citations

44
times ranked

2752
citing authors

#	ARTICLE	IF	CITATIONS
1	Generation Capacity Expansion Problem Considering Different Operation Modes of Combined-Cycle Gas Turbines. IEEE Access, 2022, 10, 67276-67288.	2.6	1
2	Towards Renewable-Dominated Power Systems Considering Long-Term Uncertainties: Case Study of Las Palmas. Energies, 2021, 14, 3317.	1.6	6
3	Analysing decarbonizing strategies in the European power system applying stochastic dominance constraints. Energy Economics, 2021, 101, 105438.	5.6	5
4	A practical assessment of risk-averse approaches in production lot-sizing problems. International Journal of Production Research, 2020, 58, 2581-2603.	4.9	8
5	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
6	Integration of Electric Vehicles in Low-Voltage Distribution Networks Considering Voltage Management. Energies, 2020, 13, 4125.	1.6	13
7	Transmission Expansion Planning Model Considering Battery Energy Storage, TCSC and Lines Using AC OPF. IEEE Access, 2020, 8, 203429-203439.	2.6	24
8	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
9	Generation Capacity Expansion Considering Reserve Provision by Wind Power Units. IEEE Transactions on Power Systems, 2020, 35, 4564-4573.	4.6	21
10	Optimal Management of Combined-Cycle Gas Units with Gas Storage under Uncertainty. Energies, 2020, 13, 113.	1.6	1
11	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
12	Influence of the controllability of electric vehicles on generation and storage capacity expansion decisions. Energy, 2019, 189, 116156.	4.5	9
13	Optimal Adjustments on the Market Dispatch Solution to Supply System Losses. , 2019, , .		0
14	Scheduling isolated power systems considering electric vehicles and primary frequency response. Energy, 2019, 168, 1192-1207.	4.5	16
15	Primary Frequency Response in Capacity Expansion With Energy Storage. IEEE Transactions on Power Systems, 2018, 33, 1824-1835.	4.6	44
16	Valuation of Energy Storage Operation in an AC Power Flow Model. , 2018, , .		0
17	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
18	Investments in merchant energy storage: Trading-off between energy and reserve markets. Applied Energy, 2018, 230, 277-286.	5.1	42

#	ARTICLE	IF	CITATIONS
19	USING SIMULATORS AND PROGRAMMING SOFTWARE TO EASE STUDENTS THE UNDERSTANDING OF POWER SYSTEM ANALYSIS. , 2017, , .		0
20	Investing in Generation Capacity: A Multi-Stage Linear-Decision-Rule Approach. IEEE Transactions on Power Systems, 2016, 31, 4784-4794.	4.6	25
21	Operation of renewable-dominated power systems with a significant penetration of plug-in electric vehicles. Energy, 2015, 90, 827-835.	4.5	37
22	Toward Fully Renewable Electric Energy Systems. IEEE Transactions on Power Systems, 2015, 30, 316-326.	4.6	119
23	Operation of a fully renewable electric energy system with CSP plants. Applied Energy, 2014, 119, 417-430.	5.1	45
24	Insuring unit failures in electricity markets. Energy Economics, 2010, 32, 1268-1276.	5.6	7
25	Multi-market energy procurement for a large consumer using a risk-aversion procedure. Electric Power Systems Research, 2010, 80, 63-70.	2.1	75
26	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
27	Transmission Network Expansion Planning Under Deliberate Outages. Energy Systems, 2010, , 365-389.	0.5	12
28	A Risk-Based Approach for Transmission Network Expansion Planning Under Deliberate Outages. IEEE Transactions on Power Systems, 2010, 25, 1759-1766.	4.6	59
29	Decision Making Under Uncertainty in Electricity Markets. Profiles in Operations Research, 2010, , .	0.3	665
30	Risk aversion for an electricity retailer with second-order stochastic dominance constraints. Computational Management Science, 2009, 6, 233-250.	0.8	21
31	Transmission network expansion planning under deliberate outages. International Journal of Electrical Power and Energy Systems, 2009, 31, 553-561.	3.3	31
32	A Bilevel Stochastic Programming Approach for Retailer Futures Market Trading. IEEE Transactions on Power Systems, 2009, 24, 1446-1456.	4.6	202
33	Scenario Reduction for Futures Market Trading in Electricity Markets. IEEE Transactions on Power Systems, 2009, 24, 878-888.	4.6	219
34	Forward trading for an electricity producer. , 2008, , .		2
35	Optimal Involvement in Futures Markets of a Power Producer. IEEE Transactions on Power Systems, 2008, 23, 703-711.	4.6	130
36	Impact of Unit Failure on Forward Contracting. IEEE Transactions on Power Systems, 2008, 23, 1768-1775.	4.6	27

#	ARTICLE	IF	CITATIONS
37	Risk-aversion modeling: Medium-term electricity retailer decision-making. , 2008, , .		0
38	Vulnerability-Constrained Transmission Expansion Planning: A Stochastic Programming Approach. IEEE Transactions on Power Systems, 2007, 22, 1436-1445.	4.6	79
39	Forward Contracting and Selling Price Determination for a Retailer. IEEE Transactions on Power Systems, 2007, 22, 2105-2114.	4.6	207
40	A Stochastic Programming Approach to Electric Energy Procurement for Large Consumers. IEEE Transactions on Power Systems, 2007, 22, 744-754.	4.6	179
41	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
42	Risk-constrained electricity procurement for a large consumer. IET Generation, Transmission and Distribution, 2006, 153, 407.	1.1	57
43	Electricity Pool Prices: Long-Term Uncertainty Characterization for Futures-Market Trading and Risk Management. SSRN Electronic Journal, 0, , .	0.4	0
44	Optimal pricing for electricity retailers based on data-driven consumersâ€™ price-response. Top, 0, , 1.	1.1	0