

Javier Contreras Sanz

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6890951/publications.pdf>

Version: 2024-02-01

177
papers

10,889
citations

31976

53
h-index

32842

100
g-index

177
all docs

177
docs citations

177
times ranked

6269
citing authors

#	ARTICLE	IF	CITATIONS
1	An Enhanced MILP Model for Multistage Reliability-Constrained Distribution Network Expansion Planning. IEEE Transactions on Power Systems, 2022, 37, 118-131.	6.5	34
2	Medium-term planning of active distribution systems considering voltage-dependent loads, network reconfiguration, and CO2 emissions. International Journal of Electrical Power and Energy Systems, 2022, 135, 107541.	5.5	12
3	Offering and bidding for a wind producer paired with battery and CAES units considering battery degradation. International Journal of Electrical Power and Energy Systems, 2022, 136, 107685.	5.5	15
4	Multistage Planning Model for Active Distribution Systems and Electric Vehicle Charging Stations Considering Voltage-Dependent Load Behavior. IEEE Transactions on Smart Grid, 2022, 13, 1383-1397.	9.0	21
5	A Microgrid Model With EV Demand Uncertainty and Detailed Operation of Storage Systems. IEEE Transactions on Industry Applications, 2022, 58, 2497-2511.	4.9	5
6	Optimal Bilevel Operation-Planning Framework of Distributed Generation Hosting Capacity Considering Rival DISCO and EV Aggregator. IEEE Systems Journal, 2022, 16, 5023-5034.	4.6	11
7	Multistage reliability-based expansion planning of ac distribution networks using a mixed-integer linear programming model. International Journal of Electrical Power and Energy Systems, 2022, 138, 107916.	5.5	15
8	The role of EV based peer-to-peer transactive energy hubs in distribution network optimization. Applied Energy, 2022, 319, 119267.	10.1	9
9	Risk-constrained self-scheduling of a hybrid power plant considering interval-based intraday demand response exchange market prices. Journal of Cleaner Production, 2021, 282, 125344.	9.3	61
10	Load Factor Assessment of the Electric Grid by the Optimal Scheduling of Electrical Equipment- A MIQCP Model. IEEE Open Access Journal of Power and Energy, 2021, 8, 433-447.	3.4	3
11	Optimal Service Restoration in Active Distribution Networks Considering Microgrid Formation and Voltage Control Devices. IEEE Transactions on Industry Applications, 2021, 57, 5758-5771.	4.9	18
12	Wind Put Barrier Options Pricing Based on the Nordix Index. Energies, 2021, 14, 1177.	3.1	16
13	Intelligent Energy Management in a Prosumer Community Considering the Load Factor Enhancement. Energies, 2021, 14, 3624.	3.1	11
14	A MILP model to relieve the occurrence of new demand peaks by improving the load factor in smart homes. Sustainable Cities and Society, 2021, 71, 102969.	10.4	13
15	Integrated Transmission and Distribution System Expansion Planning Under Uncertainty. IEEE Transactions on Smart Grid, 2021, 12, 4113-4125.	9.0	26
16	Optimization-Based Distribution System Reliability Evaluation: An Enhanced MILP Model. , 2021, , .		1
17	Risk-involved optimal operating strategy of a hybrid power generation company: A mixed interval-CVaR model. Energy, 2021, 232, 120975.	8.8	33
18	Diversified behavioral portfolio as an alternative to Modern Portfolio Theory. North American Journal of Economics and Finance, 2021, 58, 101508.	3.5	7

#	ARTICLE	IF	CITATIONS
19	A new parallel and decomposition approach to solve the medium- and low-voltage planning of large-scale power distribution systems. International Journal of Electrical Power and Energy Systems, 2021, 132, 107191.	5.5	5
20	Integrated operational planning model, considering optimal delivery routing, incentives and electric vehicle aggregated demand management. Applied Energy, 2021, 304, 117698.	10.1	18
21	Finding Multiple Equilibria for Raiffa-Kalai-Smorodinsky and Nash Bargaining Equilibria in Electricity Markets: A Bilateral Contract Model. Designs, 2021, 5, 3.	2.4	1
22	Distributed Power Generation Scheduling, Modeling, and Expansion Planning. Energies, 2021, 14, 7757.	3.1	0
23	Resilience enhancement in the planning of medium-and low voltage power distribution systems with microgrid formation. , 2021, , .		0
24	Carbon Footprint Management: A Pathway Toward Smart Emission Abatement. IEEE Transactions on Industrial Informatics, 2020, 16, 935-948.	11.3	39
25	Trilateral Planning Model for Integrated Community Energy Systems and PV-Based Prosumers A Bilevel Stochastic Programming Approach. IEEE Transactions on Power Systems, 2020, 35, 346-361.	6.5	55
26	Optimal Placement of Series Capacitive Compensation in Transmission Network Expansion Planning. Journal of Control, Automation and Electrical Systems, 2020, 31, 165-176.	2.0	3
27	EPEC approach for finding optimal day-ahead bidding strategy equilibria of multi-microgrids in active distribution networks. International Journal of Electrical Power and Energy Systems, 2020, 117, 105702.	5.5	38
28	A Probability-Based Algorithm for Electric Vehicle Behaviour in a Microgrid with Renewable Energy and Storage Devices. , 2020, , .		2
29	A Stackelberg Game-Based Approach for Transactive Energy Management in Smart Distribution Networks. Energies, 2020, 13, 3621.	3.1	12
30	A Stochastic Model for Medium-Term Distribution System Planning Considering CO ₂ Emissions. , 2020, , .		6
31	An Enhanced Delivery Route Operational Planning Model for Electric Vehicles. IEEE Access, 2020, 8, 141762-141776.	4.2	8
32	Dynamic Data Envelopment Analysis Model Involving Undesirable Outputs in the Electricity Power Generation Sector: The Case of Latin America and the Caribbean Countries. Energies, 2020, 13, 6624.	3.1	4
33	Optimal Service Restoration in Active Distribution Networks Considering Microgrid Formation and Voltage Control Devices. , 2020, , .		1
34	Linear Formulations for Topology-Variable-Based Distribution System Reliability Assessment Considering Switching Interruptions. IEEE Transactions on Smart Grid, 2020, 11, 4032-4043.	9.0	21
35	Raiffa-Kalai-Smorodinsky Bargaining Solution for Bilateral Contracts in Electricity Markets. Energies, 2020, 13, 2397.	3.1	7
36	A Benders Decomposition Approach for Renewable Generation Investment in Distribution Systems. Energies, 2020, 13, 1225.	3.1	4

#	ARTICLE	IF	CITATIONS
37	The impact of electric vehicle charging schemes in power system expansion planning. Applied Energy, 2020, 262, 114527.	10.1	62
38	Multiobjective Approach for Medium- and Low-Voltage Planning of Power Distribution Systems Considering Renewable Energy and Robustness. Energies, 2020, 13, 2517.	3.1	4
39	Electric Distribution Network Planning Under Uncertainty. Energy Systems, 2020, , 293-323.	0.5	1
40	An Enhanced Algebraic Approach for the Analytical Reliability Assessment of Distribution Systems. , 2020, , .		1
41	Self-Scheduling of a Generating Company With an EV Load Aggregator Under an Energy Exchange Strategy. IEEE Transactions on Smart Grid, 2019, 10, 4253-4264.	9.0	18
42	Efficient Automation of an HEV Heterogeneous Fleet Using a Two-Stage Methodology. IEEE Transactions on Vehicular Technology, 2019, 68, 9494-9506.	6.3	14
43	A bilevel model for maintenance scheduling of power units including wind farms. Electrical Engineering, 2019, 101, 477-487.	2.0	2
44	Uncertainty-Based Models for Optimal Management of Energy Hubs Considering Demand Response. Energies, 2019, 12, 1413.	3.1	35
45	Optimal Selection of Navigation Modes of HEVs Considering CO ₂ Emissions Reduction. IEEE Transactions on Vehicular Technology, 2019, 68, 2196-2206.	6.3	14
46	A novel energy scheduling framework for reliable and economic operation of islanded and grid-connected microgrids. Electric Power Systems Research, 2019, 171, 85-96.	3.6	48
47	Distribution System Expansion Planning Considering Non-Utility-Owned DG and an Independent Distribution System Operator. IEEE Transactions on Power Systems, 2019, 34, 2588-2597.	6.5	43
48	Daily pattern prediction based classification modeling approach for day-ahead electricity price forecasting. International Journal of Electrical Power and Energy Systems, 2019, 105, 529-540.	5.5	100
49	An Enhanced Algebraic Approach for the Analytical Reliability Assessment of Distribution Systems. IEEE Transactions on Power Systems, 2019, 34, 2870-2879.	6.5	42
50	A Stochastic Bilevel Model to Manage Active Distribution Networks With Multi-Microgrids. IEEE Systems Journal, 2019, 13, 4190-4199.	4.6	47
51	Impact of Electric Vehicles on the Expansion Planning of Distribution Systems Considering Renewable Energy, Storage, and Charging Stations. IEEE Transactions on Smart Grid, 2019, 10, 794-804.	9.0	160
52	Playing Pollution Games with Thermal Electricity Generators. Environmental Modeling and Assessment, 2018, 23, 639-651.	2.2	2
53	Distribution System Expansion Planning. Power Systems, 2018, , 1-39.	0.5	2
54	Static and Dynamic Convex Distribution Network Expansion Planning. Power Systems, 2018, , 41-63.	0.5	1

#	ARTICLE	IF	CITATIONS
55	Distribution Network Expansion Planning With an Explicit Formulation for Reliability Assessment. IEEE Transactions on Power Systems, 2018, 33, 2583-2596.	6.5	78
56	Energy storage and transmission expansion planning: substitutes or complements?. IET Generation, Transmission and Distribution, 2018, 12, 1738-1746.	2.5	33
57	Joint Distribution Network and Renewable Energy Expansion Planning Considering Demand Response and Energy Storageâ€”Part II: Numerical Results. IEEE Transactions on Smart Grid, 2018, 9, 667-675.	9.0	62
58	Joint Distribution Network and Renewable Energy Expansion Planning Considering Demand Response and Energy Storageâ€”Part I: Stochastic Programming Model. IEEE Transactions on Smart Grid, 2018, 9, 655-666.	9.0	160
59	Reliability Assessment for Distribution Optimization Models: A Non-Simulation-Based Linear Programming Approach. IEEE Transactions on Smart Grid, 2018, 9, 3048-3059.	9.0	44
60	Strategic Behavior of Multi-Energy Players in Electricity Markets as Aggregators of Demand Side Resources Using a Bi-Level Approach. IEEE Transactions on Power Systems, 2018, 33, 397-411.	6.5	113
61	Reliability Assessment of Microgrids With Local and Mobile Generation, Time-Dependent Profiles, and Intraday Reconfiguration. IEEE Transactions on Industry Applications, 2018, 54, 61-72.	4.9	53
62	Modeling the Strategic Behavior of a Distribution Company in Wholesale Energy and Reserve Markets. IEEE Transactions on Smart Grid, 2018, 9, 3857-3870.	9.0	66
63	A Linear Model for Operating Microgrids with Renewable Resources, Battery Degradation Costs and Electric Vehicles. , 2018, , .		5
64	Short-Term Trading for a Concentrating Solar Power Producer in Electricity Markets. , 2018, , .		1
65	A Multiobjective Optimization Technique to Develop Protection Systems of Distribution Networks With Distributed Generation. IEEE Transactions on Power Systems, 2018, 33, 7064-7075.	6.5	41
66	Risk-Constrained Optimal Bidding Strategy for Pairing of Wind and Demand Response Resources. IEEE Transactions on Smart Grid, 2017, 8, 200-208.	9.0	81
67	Effects of Transmission Congestion on Different Incentive Policies for Renewable Energy. Journal of Energy Engineering - ASCE, 2017, 143, 04016021.	1.9	0
68	Bi-Level Approach to Distribution Network and Renewable Energy Expansion Planning Considering Demand Response. IEEE Transactions on Power Systems, 2017, 32, 4298-4309.	6.5	112
69	Basic theoretical foundations and insights on bilevel models and their applications to power systems. Annals of Operations Research, 2017, 254, 303-334.	4.1	70
70	Construction of an efficient portfolio of power purchase decisions based on risk-diversification tradeoff. Energy Economics, 2017, 64, 286-297.	12.1	9
71	Applying modern portfolio theory for a dynamic energy portfolio allocation in electricity markets. Electric Power Systems Research, 2017, 150, 11-23.	3.6	22
72	When doing nothing may be the best investment action: Pessimistic anticipative power transmission planning. Applied Energy, 2017, 200, 383-398.	10.1	27

#	ARTICLE	IF	CITATIONS
73	Effect of Risk Aversion on Reserve Procurement With Flexible Demand Side Resources From the ISO Point of View. IEEE Transactions on Sustainable Energy, 2017, 8, 1040-1050.	8.8	16
74	Economic externalities in transmission network expansion planning. Energy Economics, 2017, 68, 109-115.	12.1	9
75	Medium- and low-voltage planning of radial electric power distribution systems considering reliability. IET Generation, Transmission and Distribution, 2017, 11, 2212-2221.	2.5	20
76	A Stochastic Bilevel Model for the Energy Hub Manager Problem. IEEE Transactions on Smart Grid, 2017, 8, 2394-2404.	9.0	112
77	Impacts of Operational Variability and Uncertainty on Distributed Generation Investment Planning: A Comprehensive Sensitivity Analysis. IEEE Transactions on Sustainable Energy, 2017, 8, 855-869.	8.8	31
78	A New Transmission Tariff Allocation Model Based on Bilevel Programming. IEEE Transactions on Power Systems, 2017, 32, 2204-2213.	6.5	8
79	A Multiobjective Minimax Regret Robust VAR Planning Model. IEEE Transactions on Power Systems, 2017, 32, 1761-1771.	6.5	10
80	Novel Multi-Stage Stochastic DG Investment Planning with Recourse. IEEE Transactions on Sustainable Energy, 2017, 8, 164-178.	8.8	60
81	Control and protection of active distribution systems using a new multiobjective mathematical model. , 2017, , .		4
82	Forecasting Models of Electricity Prices. Energies, 2017, 10, 160.	3.1	6
83	Optimal Placement of Energy Storage and Wind Power under Uncertainty. Energies, 2016, 9, 528.	3.1	24
84	Portfolio Decision of Short-Term Electricity Forecasted Prices through Stochastic Programming. Energies, 2016, 9, 1069.	3.1	15
85	Impacts of Stochastic Wind Power and Storage Participation on Economic Dispatch in Distribution Systems. IEEE Transactions on Sustainable Energy, 2016, 7, 1336-1345.	8.8	45
86	Optimal Single Wind Hydro-Pump Storage Bidding in Day-Ahead Markets Including Bilateral Contracts. IEEE Transactions on Sustainable Energy, 2016, 7, 1284-1294.	8.8	69
87	Impact of network payment schemes on transmission expansion planning with variable renewable generation. Energy Economics, 2016, 56, 410-421.	12.1	16
88	Optimal Distributed Generation and Reactive Power Allocation in Electrical Distribution Systems. IEEE Transactions on Sustainable Energy, 2016, 7, 975-984.	8.8	160
89	Multistage Generation and Network Expansion Planning in Distribution Systems Considering Uncertainty and Reliability. IEEE Transactions on Power Systems, 2016, 31, 3715-3728.	6.5	155
90	Medium-term energy hub management subject to electricity price and wind uncertainty. Applied Energy, 2016, 168, 418-433.	10.1	150

#	ARTICLE	IF	CITATIONS
91	Economics of collective monitoring: a study of environmentally constrained electricity generators. Computational Management Science, 2016, 13, 349-369.	1.3	5
92	Islanding in distribution systems considering wind power and storage. Sustainable Energy, Grids and Networks, 2016, 5, 156-166.	3.9	10
93	Incentives for wind power investment in Colombia. Renewable Energy, 2016, 87, 279-288.	8.9	11
94	Optimal Bidding of a Group of Wind Farms in Day-Ahead Markets Through an External Agent. IEEE Transactions on Power Systems, 2016, 31, 2688-2700.	6.5	52
95	Optimal Wind Reversible Hydro Offering Strategies for Midterm Planning. IEEE Transactions on Sustainable Energy, 2015, 6, 1356-1366.	8.8	14
96	A convex chance-constrained model for reactive power planning. International Journal of Electrical Power and Energy Systems, 2015, 71, 403-411.	5.5	20
97	Reactive power planning under conditional value-at-risk assessment using chance-constrained optimisation. IET Generation, Transmission and Distribution, 2015, 9, 231-240.	2.5	24
98	Impact of the future water value on wind-reversible hydro offering strategies in electricity markets. Energy Conversion and Management, 2015, 105, 313-327.	9.2	7
99	A Stochastic Investment Model for Renewable Generation in Distribution Systems. IEEE Transactions on Sustainable Energy, 2015, 6, 1466-1474.	8.8	92
100	Contingency Assessment and Network Reconfiguration in Distribution Grids Including Wind Power and Energy Storage. IEEE Transactions on Sustainable Energy, 2015, 6, 1524-1533.	8.8	67
101	Optimal generic energy storage system offering in day-ahead electricity markets. , 2015, , .		5
102	Joint Expansion Planning of Distributed Generation and Distribution Networks. IEEE Transactions on Power Systems, 2015, 30, 2579-2590.	6.5	195
103	Allocation of Plug-In Vehicles' Parking Lots in Distribution Systems Considering Network-Constrained Objectives. IEEE Transactions on Power Systems, 2015, 30, 2643-2656.	6.5	154
104	Optimal expansion planning in distribution networks with distributed generation. , 2014, , .		0
105	Optimal expansion model of renewable distributed generation in distribution systems. , 2014, , .		2
106	Impacts of network expansion on generation capacity expansion. , 2014, , .		2
107	Multiobjective multistage distribution system planning using tabu search. IET Generation, Transmission and Distribution, 2014, 8, 35-45.	2.5	88
108	Unit Commitment With Ideal and Generic Energy Storage Units. IEEE Transactions on Power Systems, 2014, 29, 2974-2984.	6.5	177

#	ARTICLE	IF	CITATIONS
109	GARCH-based put option valuation to maximize benefit of wind investors. Applied Energy, 2014, 136, 259-268.	10.1	12
110	Energy storage systems supporting increased penetration of renewables in islanded systems. Energy, 2014, 75, 265-280.	8.8	187
111	Risk-constrained dynamic energy allocation for a wind power producer. Electric Power Systems Research, 2014, 116, 338-346.	3.6	10
112	Modeling the Impact of a Wind Power Producer as a Price-Maker. IEEE Transactions on Power Systems, 2014, 29, 2723-2732.	6.5	51
113	Competition of Thermal Electricity Generators with Coupled Transmission and Emission Constraints. Journal of Energy Engineering - ASCE, 2013, 139, 239-252.	1.9	7
114	Bilevel approach for optimal location and contract pricing of distributed generation in radial distribution systems using mixed-integer linear programming. IET Generation, Transmission and Distribution, 2013, 7, 724-734.	2.5	71
115	If you build it, he will come: Anticipative power transmission planning. Energy Economics, 2013, 36, 135-146.	12.1	89
116	A multiobjective model for distribution system planning based on tabu search. , 2013, , .		0
117	Optimal coordinated wind-hydro bidding strategies in day-ahead markets. IEEE Transactions on Power Systems, 2013, 28, 798-809.	6.5	111
118	A Multi-Stage Stochastic Non-Linear Model for Reactive Power Planning Under Contingencies. IEEE Transactions on Power Systems, 2013, 28, 1503-1514.	6.5	41
119	A Chance-Constrained Unit Commitment With an n -K\$ Security Criterion and Significant Wind Generation. IEEE Transactions on Power Systems, 2013, 28, 2842-2851.	6.5	143
120	A Three-Level Static MILP Model for Generation and Transmission Expansion Planning. IEEE Transactions on Power Systems, 2013, 28, 202-210.	6.5	216
121	A Principal-Agent Approach to Transmission Expansionâ€”Part I: Regulatory Framework. IEEE Transactions on Power Systems, 2013, 28, 256-263.	6.5	11
122	A Principal-Agent Approach to Transmission Expansionâ€”Part II: Case Studies. IEEE Transactions on Power Systems, 2013, 28, 264-271.	6.5	3
123	Risk-Constrained Scheduling and Offering Strategies of a Price-Maker Hydro Producer Under Uncertainty. IEEE Transactions on Power Systems, 2013, 28, 1879-1887.	6.5	51
124	Minâ€”max long run marginal cost to allocate transmission tariffs for transmission users. Electric Power Systems Research, 2013, 101, 25-35.	3.6	21
125	Approaches to transmission planning: A transmission expansion game. , 2012, , .		3
126	ECOTOOL: A general MATLAB Forecasting Toolbox with Applications to Electricity Markets. Energy Systems, 2012, , 151-171.	0.5	17

#	ARTICLE	IF	CITATIONS
127	Forecasting Power Prices Using a Hybrid Fundamental-Econometric Model. IEEE Transactions on Power Systems, 2012, 27, 363-372.	6.5	56
128	Reactive Control for Transmission Overload Relief Based on Sensitivity Analysis and Cooperative Game Theory. IEEE Transactions on Power Systems, 2012, 27, 1192-1203.	6.5	12
129	Short-term optimal scheduling of a price-maker hydro producer in a pool-based day-ahead market. IET Generation, Transmission and Distribution, 2012, 6, 1243-1251.	2.5	11
130	Location and contract pricing of distributed generation using a genetic algorithm. International Journal of Electrical Power and Energy Systems, 2012, 36, 117-126.	5.5	74
131	Optimal hydro scheduling and offering strategies considering price uncertainty and risk management. Energy, 2012, 37, 237-244.	8.8	77
132	Market-driven dynamic transmission expansion planning. Electric Power Systems Research, 2012, 82, 88-94.	3.6	44
133	Planning Long-Term Network Expansion in Electric Energy Systems in Multi-area Settings. Energy Systems, 2012, , 367-393.	0.5	1
134	Optimal Contract Pricing of Distributed Generation in Distribution Networks. IEEE Transactions on Power Systems, 2011, 26, 128-136.	6.5	81
135	Distribution System Planning With Reliability. IEEE Transactions on Power Delivery, 2011, 26, 2552-2562.	4.3	140
136	Nash-Cournot Equilibria in Hydrothermal Electricity Markets. IEEE Transactions on Power Systems, 2011, 26, 1089-1101.	6.5	48
137	Finding Multiple Nash Equilibria in Pool-Based Markets: A Stochastic EPEC Approach. IEEE Transactions on Power Systems, 2011, 26, 1744-1752.	6.5	84
138	Optimal Scheduling of a Price-Taker Cascaded Reservoir System in a Pool-Based Electricity Market. IEEE Transactions on Power Systems, 2011, 26, 604-615.	6.5	54
139	A decision-making tool for project investments based on real options: the case of wind power generation. Annals of Operations Research, 2011, 186, 465-490.	4.1	41
140	Long-term Nash equilibria in electricity markets. Electric Power Systems Research, 2011, 81, 329-339.	3.6	16
141	Transmission assets investment timing using net present value curves. Energy Policy, 2010, 38, 598-605.	8.8	12
142	Corrigendum to "Optimal investment portfolio in renewable energy: The Spanish case" [Energy Policy 37(2009) 5273-5284]. Energy Policy, 2010, 38, 2608.	8.8	2
143	Transmission Asset Investment in Electricity Markets. Journal of Energy Engineering - ASCE, 2009, 135, 55-63.	1.9	1
144	An incentive-based mechanism for transmission asset investment. Decision Support Systems, 2009, 47, 22-31.	5.9	40

#	ARTICLE	IF	CITATIONS
145	Optimal investment portfolio in renewable energy: The Spanish case. Energy Policy, 2009, 37, 5273-5284.	8.8	83
146	An overview on network cost allocation methods. Electric Power Systems Research, 2009, 79, 750-758.	3.6	41
147	Short- and long-term Nash equilibria in electricity markets. , 2009, , .		3
148	Formulation of incentives for decentralized transmission asset investments. , 2009, , .		0
149	Contracts for recovery of investments in transmission assets. IET Generation, Transmission and Distribution, 2009, 3, 971-979.	2.5	0
150	A cooperative game theory analysis for transmission loss allocation. Electric Power Systems Research, 2008, 78, 264-275.	3.6	49
151	Transmission Expansion Planning in Electricity Markets. IEEE Transactions on Power Systems, 2008, 23, 238-248.	6.5	211
152	An Effective Transmission Network Expansion Cost Allocation Based on Game Theory. IEEE Transactions on Power Systems, 2007, 22, 136-144.	6.5	35
153	$\$Z_{m \text{ bus}}\$$ Transmission Network Cost Allocation. IEEE Transactions on Power Systems, 2007, 22, 342-349.	6.5	115
154	Realistic electricity market simulator for energy and economic studies. Electric Power Systems Research, 2007, 77, 46-54.	3.6	20
155	Optimization of control strategies for stand-alone renewable energy systems with hydrogen storage. Renewable Energy, 2007, 32, 1102-1126.	8.9	330
156	Design of grid connected PV systems considering electrical, economical and environmental aspects: A practical case. Renewable Energy, 2006, 31, 2042-2062.	8.9	86
157	Forecasting electricity prices for a day-ahead pool-based electric energy market. International Journal of Forecasting, 2005, 21, 435-462.	6.5	438
158	A GARCH Forecasting Model to Predict Day-Ahead Electricity Prices. IEEE Transactions on Power Systems, 2005, 20, 867-874.	6.5	558
159	Numerical Solutions to Nashâ€™Cournot Equilibria in Coupled Constraint Electricity Markets. IEEE Transactions on Power Systems, 2004, 19, 195-206.	6.5	213
160	Finding Multiperiod Nash Equilibria in Pool-Based Electricity Markets. IEEE Transactions on Power Systems, 2004, 19, 643-651.	6.5	95
161	ARIMA models to predict next-day electricity prices. IEEE Transactions on Power Systems, 2003, 18, 1014-1020.	6.5	1,150
162	Simulating oligopolistic pool-based electricity markets: a multiperiod approach. IEEE Transactions on Power Systems, 2003, 18, 1547-1555.	6.5	53

#	ARTICLE	IF	CITATIONS
163	Experience with an electricity market simulation tool. Production Planning and Control, 2003, 14, 135-145.	8.8	5
164	A cobweb bidding model for competitive electricity markets. IEEE Transactions on Power Systems, 2002, 17, 148-153.	6.5	55
165	Correction to "Auction design in day-ahead electricity markets". IEEE Transactions on Power Systems, 2002, 17, 522-522.	6.5	0
166	Power engineering lab: electricity market simulator. IEEE Transactions on Power Systems, 2002, 17, 223-228.	6.5	43
167	Price maker self-scheduling in a pool-based electricity market: a mixed-integer LP approach. IEEE Transactions on Power Systems, 2002, 17, 1037-1042.	6.5	150
168	Forecasting next-day electricity prices by time series models. IEEE Transactions on Power Systems, 2002, 17, 342-348.	6.5	679
169	Self-scheduling of a hydro producer in a pool-based electricity market. IEEE Transactions on Power Systems, 2002, 17, 1265-1272.	6.5	270
170	Optimal response of an oligopolistic generating company to a competitive pool-based electric power market. IEEE Transactions on Power Systems, 2002, 17, 424-430.	6.5	70
171	Simulation and evaluation of optimization problem solutions in distributed energy management systems. IEEE Transactions on Power Systems, 2002, 17, 57-62.	6.5	32
172	Discussion of "A simulation model for a competitive generation market". IEEE Transactions on Power Systems, 2001, 16, 952-954.	6.5	0
173	Auction design in day-ahead electricity markets. IEEE Transactions on Power Systems, 2001, 16, 88-96.	6.5	31
174	DistOpt: A Software Framework for Modeling and Evaluating Optimization Problem Solutions in Distributed Environments. Journal of Parallel and Distributed Computing, 2000, 60, 741-763.	4.1	12
175	Multi-agent approach to the planning of power transmission expansion. Decision Support Systems, 2000, 28, 279-290.	5.9	32
176	A kernel-oriented algorithm for transmission expansion planning. IEEE Transactions on Power Systems, 2000, 15, 1434-1440.	6.5	149
177	Coalition formation in transmission expansion planning. IEEE Transactions on Power Systems, 1999, 14, 1144-1152.	6.5	100