Antonio Conejo

List of Publications by Year
in descending order

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328	24,100	4960 84	8866 145
papers	citations	h-index	g-index

344	344	344	9680
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	ARIMA models to predict next-day electricity prices. IEEE Transactions on Power Systems, 2003, 18, 1014-1020.	6.5	1,150
2	Real-Time Demand Response Model. IEEE Transactions on Smart Grid, 2010, 1, 236-242.	9.0	879
3	Day-Ahead Electricity Price Forecasting Using the Wavelet Transform and ARIMA Models. IEEE Transactions on Power Systems, 2005, 20, 1035-1042.	6.5	745
4	Forecasting next-day electricity prices by time series models. IEEE Transactions on Power Systems, 2002, 17, 342-348.	6.5	679
5	Decision Making Under Uncertainty in Electricity Markets. Profiles in Operations Research, 2010, , .	0.4	665
6	Economic Valuation of Reserves in Power Systems With High Penetration of Wind Power. IEEE Transactions on Power Systems, 2009, 24, 900-910.	6.5	472
7	Optimal response of a thermal unit to an electricity spot market. IEEE Transactions on Power Systems, 2000, 15, 1098-1104.	6.5	450
8	Forecasting electricity prices for a day-ahead pool-based electric energy market. International Journal of Forecasting, 2005, 21, 435-462.	6.5	438
9	Short-Term Trading for a Wind Power Producer. IEEE Transactions on Power Systems, 2010, 25, 554-564.	6.5	412
10	Transmission expansion planning: a mixed-integer LP approach. IEEE Transactions on Power Systems, 2003, 18, 1070-1077.	6.5	365
11	Z-bus loss allocation. IEEE Transactions on Power Systems, 2001, 16, 105-110.	6.5	348
12	Market-Clearing With Stochastic Securityâ€" Part I: Formulation. IEEE Transactions on Power Systems, 2005, 20, 1818-1826.	6.5	347
13	Pool Strategy of a Producer With Endogenous Formation of Locational Marginal Prices. IEEE Transactions on Power Systems, 2009, 24, 1855-1866.	6.5	341
14	Probabilistic power flow with correlated wind sources. IET Generation, Transmission and Distribution, 2010, 4, 641.	2.5	303
15	Transmission loss allocation: a comparison of different practical algorithms. IEEE Transactions on Power Systems, 2002, 17, 571-576.	6.5	295
16	Offering model for a virtual power plant based on stochastic programming. Applied Energy, 2013, 105, 282-292.	10.1	290
17	Self-scheduling of a hydro producer in a pool-based electricity market. IEEE Transactions on Power Systems, 2002, 17, 1265-1272.	6.5	270
18	Price-taker bidding strategy under price uncertainty. IEEE Transactions on Power Systems, 2002, 17, 1081-1088.	6.5	260

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19	A methodology to generate statistically dependent wind speed scenarios. Applied Energy, 2010, 87, 843-855.	10.1	257
20	Multi-area coordinated decentralized DC optimal power flow. IEEE Transactions on Power Systems, 1998, 13, 1272-1278.	6.5	243
21	A Bilevel Approach to Transmission Expansion Planning Within a Market Environment. IEEE Transactions on Power Systems, 2009, 24, 1513-1522.	6.5	220
22	Complementarity Modeling in Energy Markets. Profiles in Operations Research, 2013, , .	0.4	220
23	Scenario Reduction for Futures Market Trading in Electricity Markets. IEEE Transactions on Power Systems, 2009, 24, 878-888.	6.5	219
24	Correlated wind-power production and electric load scenarios for investment decisions. Applied Energy, 2013, 101, 475-482.	10.1	213
25	Transmission Expansion Planning in Electricity Markets. IEEE Transactions on Power Systems, 2008, 23, 238-248.	6.5	211
26	Forward Contracting and Selling Price Determination for a Retailer. IEEE Transactions on Power Systems, 2007, 22, 2105-2114.	6.5	207
27	A Bilevel Stochastic Programming Approach for Retailer Futures Market Trading. IEEE Transactions on Power Systems, 2009, 24, 1446-1456.	6.5	202
28	Integrating Renewables in Electricity Markets. Profiles in Operations Research, 2014, , .	0.4	194
29	Robust transmission expansion planning. European Journal of Operational Research, 2015, 242, 390-401.	5.7	183
30	A Stochastic Programming Approach to Electric Energy Procurement for Large Consumers. IEEE Transactions on Power Systems, 2007, 22, 744-754.	6.5	179
31	Strategic Generation Investment Using a Complementarity Approach. IEEE Transactions on Power Systems, 2011, 26, 940-948.	6.5	169
32	Securing Transient Stability Using Time-Domain Simulations Within an Optimal Power Flow. IEEE Transactions on Power Systems, 2010, 25, 243-253.	6.5	167
33	Incremental transmission loss allocation under pool dispatch. IEEE Transactions on Power Systems, 2002, 17, 26-33.	6.5	166
34	A Decomposition Methodology Applied to the Multi-Area Optimal Power Flow Problem. Annals of Operations Research, 2003, 120, 99-116.	4.1	164
35	Transmission and Wind Power Investment. IEEE Transactions on Power Systems, 2012, 27, 885-893.	6.5	164
36	Equilibria in an Oligopolistic Electricity Pool With Stepwise Offer Curves. IEEE Transactions on Power Systems, 2012, 27, 752-761.	6.5	163

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37	Pricing Electricity in Pools With Wind Producers. IEEE Transactions on Power Systems, 2012, 27, 1366-1376.	6.5	162
38	Strategic Offering for a Wind Power Producer. IEEE Transactions on Power Systems, 2013, 28, 4645-4654.	6.5	162
39	Market-Clearing With Stochastic Securityâ€" Part II: Case Studies. IEEE Transactions on Power Systems, 2005, 20, 1827-1835.	6.5	156
40	Optimal energy management of small electric energy systems including V2G facilities and renewable energy sources. Electric Power Systems Research, 2012, 92, 50-59.	3.6	151
41	Short-term hydro-thermal coordination by Lagrangian relaxation: solution of the dual problem. IEEE Transactions on Power Systems, 1999, 14, 89-95.	6.5	150
42	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
43	A decomposition procedure based on approximate Newton directions. Mathematical Programming, 2002, 93, 495-515.	2.4	148
44	Stochastic Reactive Power Management in Microgrids With Renewables. IEEE Transactions on Power Systems, 2015, 30, 3386-3395.	6.5	148
45	Transmission network cost allocation based on equivalent bilateral exchanges. IEEE Transactions on Power Systems, 2003, 18, 1425-1431.	6.5	145
46	Modeling of Start-Up and Shut-Down Power Trajectories of Thermal Units. IEEE Transactions on Power Systems, 2004, 19, 1562-1568.	6.5	144
47	Risk-Constrained Self-Scheduling of a Thermal Power Producer. IEEE Transactions on Power Systems, 2004, 19, 1569-1574.	6.5	144
48	Locational Marginal Price Sensitivities. IEEE Transactions on Power Systems, 2005, 20, 2026-2033.	6.5	142
49	Can Chinaâ€™s Energy Intensity Constraint Policy Promote Total Factor Energy Efficiency? Evidence from the Industrial Sector. Energy Journal, 2019, 40, 101-128.	1.7	141
50	Multi-Area Unit Scheduling and Reserve Allocation Under Wind Power Uncertainty. IEEE Transactions on Power Systems, 2014, 29, 1701-1710.	6.5	140
51	Offering Strategy Via Robust Optimization. IEEE Transactions on Power Systems, 2011, 26, 1418-1425.	6.5	139
52	Congestion Management Ensuring Voltage Stability. IEEE Transactions on Power Systems, 2006, 21, 357-364.	6.5	132
53	Generation Maintenance Scheduling in Restructured Power Systems. IEEE Transactions on Power Systems, 2005, 20, 984-992.	6.5	131
54	Multimarket Optimal Bidding for a Power Producer. IEEE Transactions on Power Systems, 2005, 20, 2041-2050.	6.5	131

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55	Optimal Involvement in Futures Markets of a Power Producer. IEEE Transactions on Power Systems, 2008, 23, 703-711.	6.5	130
56	Multiperiod optimal power flow using Benders decomposition. IEEE Transactions on Power Systems, 2000, 15, 196-201.	6.5	128
57	Network-constrained multiperiod auction for a pool-based electricity market. IEEE Transactions on Power Systems, 2002, 17, 646-653.	6.5	127
58	Pricing Non-Convexities in an Electricity Pool. IEEE Transactions on Power Systems, 2012, 27, 1334-1342.	6.5	127
59	A robust optimization approach to energy and reserve dispatch in electricity markets. European Journal of Operational Research, 2015, 247, 659-671.	5.7	127
60	Equivalency of Continuation and Optimization Methods to Determine Saddle-Node and Limit-Induced Bifurcations in Power Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2009, 56, 210-223.	5.4	126
61	Optimal offering strategy for a concentrating solar power plant. Applied Energy, 2012, 98, 316-325.	10.1	125
62	Toward Fully Renewable Electric Energy Systems. IEEE Transactions on Power Systems, 2015, 30, 316-326.	6.5	119
63	Optimal Price and Quantity Determination for Retail Electric Power Contracts. IEEE Transactions on Power Systems, 2006, 21, 180-187.	6.5	115
64	$Z_{m bus}$ Transmission Network Cost Allocation. IEEE Transactions on Power Systems, 2007, 22, 342-349.	6.5	115
65	Optimal Network Placement of SVC Devices. IEEE Transactions on Power Systems, 2007, 22, 1851-1860.	6.5	113
66	Offering Strategy of Wind-Power Producer: A Multi-Stage Risk-Constrained Approach. IEEE Transactions on Power Systems, 2016, 31, 1420-1429.	6.5	112
67	Electricity price forecasting through transfer function models. Journal of the Operational Research Society, 2006, 57, 350-356.	3.4	111
68	An Optimization Approach to Multiarea State Estimation. IEEE Transactions on Power Systems, 2007, 22, 213-221.	6.5	111
69	Simulating the Impact of Wind Production on Locational Marginal Prices. IEEE Transactions on Power Systems, 2011, 26, 820-828.	6.5	111
70	Multi-Area Energy and Reserve Dispatch Under Wind Uncertainty and Equipment Failures. IEEE Transactions on Power Systems, 2013, 28, 4373-4383.	6.5	111
71	A parallel repair genetic algorithm to solve the unit commitment problem. IEEE Transactions on Power Systems, 2002, 17, 1216-1224.	6.5	110
72	Unit Commitment Under Gas-Supply Uncertainty and Gas-Price Variability. IEEE Transactions on Power Systems, 2017, 32, 2394-2405.	6.5	109

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73	Risk-Constrained Multi-Stage Wind Power Investment. IEEE Transactions on Power Systems, 2013, 28, 401-411.	6.5	108
74	Robust Transmission Expansion Planning Representing Long- and Short-Term Uncertainty. IEEE Transactions on Power Systems, 2018, 33, 1329-1338.	6.5	107
75	Coordinated Expansion Planning of Natural Gas and Electric Power Systems. IEEE Transactions on Power Systems, 2018, 33, 3064-3075.	6.5	107
76	Network-Constrained AC Unit Commitment Under Uncertainty: A Bendersâ€™ Decomposition Approach. IEEE Transactions on Power Systems, 2016, 31, 412-422.	6.5	97
77	The Observability Problem in Traffic Network Models. Computer-Aided Civil and Infrastructure Engineering, 2008, 23, 208-222.	9.8	96
78	Finding Multiperiod Nash Equilibria in Pool-Based Electricity Markets. IEEE Transactions on Power Systems, 2004, 19, 643-651.	6.5	95
79	Reliability-Constrained Robust Power System Expansion Planning. IEEE Transactions on Power Systems, 2016, 31, 2383-2392.	6.5	95
80	Strategic Bidding for a Large Consumer. IEEE Transactions on Power Systems, 2015, 30, 848-856.	6.5	93
81	Sensitivity-Based Security-Constrained OPF Market Clearing Model. IEEE Transactions on Power Systems, 2005, 20, 2051-2060.	6.5	90
82	An Efficient Tri-Level Optimization Model for Electric Grid Defense Planning. IEEE Transactions on Power Systems, 2017, 32, 2984-2994.	6.5	90
83	Wind Power Investment: A Benders Decomposition Approach. IEEE Transactions on Power Systems, 2012, 27, 433-441.	6.5	89
84	Multistage Stochastic Investment Planning With Multiscale Representation of Uncertainties and Decisions. IEEE Transactions on Power Systems, 2018, 33, 781-791.	6.5	89
85	Adaptive Robust Expansion Planning for a Distribution Network With DERs. IEEE Transactions on Power Systems, 2018, 33, 1698-1715.	6.5	86
86	Energy Management of a Cluster of Interconnected Price-Responsive Demands. IEEE Transactions on Power Systems, 2014, 29, 645-655.	6.5	85
87	Investment in Electricity Generation and Transmission. , 2016, , .		85
88	Hierarchical Clustering to Find Representative Operating Periods for Capacity-Expansion Modeling. IEEE Transactions on Power Systems, 2018, 33, 3029-3039.	6.5	85
89	Optimal response of a power generator to energy, AGC, and reserve pool-based markets. IEEE Transactions on Power Systems, 2002, 17, 404-410.	6.5	83
90	Generation Investment Equilibria With Strategic Producersâ€”Part I: Formulation. IEEE Transactions on Power Systems, 2013, 28, 2613-2622.	6.5	83

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91	Wind power investment within a market environment. Applied Energy, 2011, 88, 3239-3247.	10.1	80
92	Contract design and supply chain coordination in the electricity industry. European Journal of Operational Research, 2013, 227, 527-537.	5.7	79
93	Unit Commitment With an Enhanced Natural Gas-Flow Model. IEEE Transactions on Power Systems, 2019, 34, 3729-3738.	6.5	76
94	Multi-market energy procurement for a large consumer using a risk-aversion procedure. Electric Power Systems Research, 2010, 80, 63-70.	3.6	75
95	Strategic Generation Investment Under Uncertainty Via Benders Decomposition. IEEE Transactions on Power Systems, 2012, 27, 424-432.	6.5	75
96	Observability Analysis in State Estimation: A Unified Numerical Approach. IEEE Transactions on Power Systems, 2006, 21, 877-886.	6.5	74
97	Perturbation Approach to Sensitivity Analysis in Mathematical Programming. Journal of Optimization Theory and Applications, 2006, 128, 49-74.	1.5	73
98	Multiperiod auction for a pool-based electricity market. IEEE Transactions on Power Systems, 2002, 17, 1225-1231.	6.5	70
99	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
100	Auction implementation problems using Lagrangian relaxation. IEEE Transactions on Power Systems, 1999, 14, 82-88.	6.5	69
101	Power System State Estimation Considering Measurement Dependencies. IEEE Transactions on Power Systems, 2009, 24, 1875-1885.	6.5	69
102	Rethinking restructured electricity market design: Lessons learned and future needs. International Journal of Electrical Power and Energy Systems, 2018, 98, 520-530.	5.5	68
103	The Observability Problem in Traffic Models: Algebraic and Topological Methods. IEEE Transactions on Intelligent Transportation Systems, 2008, 9, 275-287.	8.0	67
104	Energy procurement for large consumers in electricity markets. IET Generation, Transmission and Distribution, 2005, 152, 357.	1.1	66
105	Adaptive Robust Network-Constrained AC Unit Commitment. IEEE Transactions on Power Systems, 2017, 32, 672-683.	6.5	65
106	A General Method for Local Sensitivity Analysis With Application to Regression Models and Other Optimization Problems. Technometrics, 2004, 46, 430-444.	1.9	64
107	Adaptive Robust Transmission Expansion Planning Using Linear Decision Rules. IEEE Transactions on Power Systems, 2017, 32, 4024-4034.	6.5	64
108	An OPF Methodology to Ensure Small-Signal Stability. IEEE Transactions on Power Systems, 2011, 26, 1050-1061.	6.5	61

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109	Weekly Self-Scheduling, Forward Contracting, and Offering Strategy for a Producer. IEEE Transactions on Power Systems, 2010, 25, 657-666.	6.5	60
110	Strategic Demand-Side Response to Wind Power Integration. IEEE Transactions on Power Systems, 2016, 31, 3495-3505.	6.5	60
111	Coordinated Investment in Transmission and Storage Systems Representing Long- and Short-Term Uncertainty. IEEE Transactions on Power Systems, 2018, 33, 7143-7151.	6.5	60
112	Risk-constrained electricity procurement for a large consumer. IET Generation, Transmission and Distribution, 2006, 153, 407.	1.1	57
113	Power System Operations. Power Electronics and Power Systems, 2018, , .	0.6	56
114	Influence of the Emissions Trading Scheme on generation scheduling. International Journal of Electrical Power and Energy Systems, 2009, 31, 465-473.	5.5	55
115	Yearly Maintenance Scheduling of Transmission Lines Within a Market Environment. IEEE Transactions on Power Systems, 2012, 27, 407-415.	6.5	55
116	Market equilibria and interactions between strategic generation, wind, and storage. Applied Energy, 2018, 220, 876-892.	10.1	55
117	Scenario reduction for risk-averse electricity trading. IET Generation, Transmission and Distribution, 2010, 4, 694.	2.5	54
118	Strategic Wind Power Investment. IEEE Transactions on Power Systems, 2014, 29, 1250-1260.	6.5	54
119	Simulating oligopolistic pool-based electricity markets: a multiperiod approach. IEEE Transactions on Power Systems, 2003, 18, 1547-1555.	6.5	53
120	Minimizing Wind Power Spillage Using an OPF With FACTS Devices. IEEE Transactions on Power Systems, 2014, 29, 2150-2159.	6.5	52
121	Secondary voltage control: Nonlinear selection of pilot buses, design of an optimal control law, and simulation results. IET Generation, Transmission and Distribution, 1998, 145, 77.	1.1	50
122	Long-term coordination of transmission and storage to integrate wind power. CSEE Journal of Power and Energy Systems, 2017, 3, 36-43.	1.1	50
123	Strategic Generation Investment Considering Futures and Spot Markets. IEEE Transactions on Power Systems, 2012, 27, 1467-1476.	6.5	49
124	Mixed-integer linear programming models and algorithms for generation and transmission expansion planning of power systems. European Journal of Operational Research, 2022, 297, 1071-1082.	5.7	49
125	Multiarea Transmission Network Cost Allocation. IEEE Transactions on Power Systems, 2005, 20, 1293-1301.	6.5	48
126	State Estimation Observability Based on the Null Space of the Measurement Jacobian Matrix. IEEE Transactions on Power Systems, 2005, 20, 1656-1658.	6.5	48

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127	Solving Discretely-Constrained Nashâ€“Cournot Games with an Application to Power Markets. Networks and Spatial Economics, 2013, 13, 307-326.	1.6	48
128	An EPEC approach to the yearly maintenance scheduling of generating units. IEEE Transactions on Power Systems, 2013, 28, 922-930.	6.5	47
129	A tutorial review of complementarity models for decision-making in energy markets. EURO Journal on Decision Processes, 2014, 2, 91-120.	2.7	46
130	The role of energy storage in mitigating ramping inefficiencies caused by variable renewable generation. Energy Conversion and Management, 2018, 162, 307-320.	9.2	46
131	Observability in linear systems of equations and inequalities: Applications. Computers and Operations Research, 2007, 34, 1708-1720.	4.0	45
132	Operation of a fully renewable electric energy system with CSP plants. Applied Energy, 2014, 119, 417-430.	10.1	45
133	On walrasian equilibrium for pool-based electricity markets. IEEE Transactions on Power Systems, 2002, 17, 774-781.	6.5	44
134	Market-driven dynamic transmission expansion planning. Electric Power Systems Research, 2012, 82, 88-94.	3.6	44
135	Power engineering lab: electricity market simulator. IEEE Transactions on Power Systems, 2002, 17, 223-228.	6.5	43
136	Adaptive robust AC optimal power flow considering load and wind power uncertainties. International Journal of Electrical Power and Energy Systems, 2018, 96, 132-142.	5.5	43
137	Equilibria in Electricity and Natural Gas Markets With Strategic Offers and Bids. IEEE Transactions on Power Systems, 2020, 35, 1956-1966.	6.5	43
138	Optimization in Engineering. Springer Optimization and Its Applications, 2017, , .	0.9	43
139	OPF-based security redispatching including FACTS devices. IET Generation, Transmission and Distribution, 2008, 2, 821.	2.5	42
140	Weekly Two-Stage Robust Generation Scheduling for Hydrothermal Power Systems. IEEE Transactions on Power Systems, 2016, 31, 4554-4564.	6.5	42
141	Shadow Price-Based Co-Ordination of Natural Gas and Electric Power Systems. IEEE Transactions on Power Systems, 2019, 34, 1942-1954.	6.5	42
142	A closed formula for local sensitivity analysis in mathematical programming. Engineering Optimization, 2006, 38, 93-112.	2.6	41
143	Weekly self-scheduling, forward contracting, and pool involvement for an electricity producer. An adaptive robust optimization approach. European Journal of Operational Research, 2015, 240, 457-475.	5.7	41
144	Managing the financial risks of electricity producers using options. Energy Economics, 2012, 34, 2216-2227.	12.1	40

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145	Multiple Bad Data Identification Considering Measurement Dependencies. IEEE Transactions on Power Systems, 2011, 26, 1953-1961.	6.5	39
146	Solving discretely constrained, mixed linear complementarity problems with applications in energy. Computers and Operations Research, 2013, 40, 1339-1350.	4.0	39
147	Pool equilibria including strategic storage. Applied Energy, 2016, 177, 260-270.	10.1	39
148	Ergodic Energy Management Leveraging Resource Variability in Distribution Grids. IEEE Transactions on Power Systems, 2016, 31, 4765-4775.	6.5	39
149	Decentralized State Estimation and Bad Measurement Identification: An Efficient Lagrangian Relaxation Approach. IEEE Transactions on Power Systems, 2011, 26, 2500-2508.	6.5	38
150	Conjectural-Variations Equilibria in Electricity, Natural-Gas, and Carbon-Emission Markets. IEEE Transactions on Power Systems, 2021, 36, 4161-4171.	6.5	38
151	A clipping-off interior-point technique for medium-term hydro-thermal coordination. IEEE Transactions on Power Systems, 1999, 14, 266-273.	6.5	37
152	State Estimation Sensitivity Analysis. IEEE Transactions on Power Systems, 2007, 22, 1080-1091.	6.5	37
153	Breaker Status Identification. IEEE Transactions on Power Systems, 2010, 25, 694-702.	6.5	37
154	Revealing Rival Marginal Offer Prices Via Inverse Optimization. IEEE Transactions on Power Systems, 2013, 28, 3056-3064.	6.5	37
155	Optimal management of the automatic generation control service in smart user grids including electric vehicles and distributed resources. Electric Power Systems Research, 2014, 111, 22-31.	3.6	37
156	Using Electrical Energy Storage to Mitigate Natural Gas-Supply Shortages. IEEE Transactions on Power Systems, 2018, 33, 7076-7086.	6.5	37
157	Candidate line selection for transmission expansion planning considering long- and short-term uncertainty. International Journal of Electrical Power and Energy Systems, 2018, 100, 320-330.	5.5	36
158	Economic inefficiencies and cross-subsidies in an auction-based electricity pool. IEEE Transactions on Power Systems, 2003, 18, 221-228.	6.5	35
159	Evaluating alternative offering strategies for wind producers in a pool. Applied Energy, 2011, 88, 4918-4926.	10.1	35
160	Operational Equilibria of Electric and Natural Gas Systems With Limited Information Interchange. IEEE Transactions on Power Systems, 2020, 35, 662-671.	6.5	35
161	Transactive Energy Systems: The Market-Based Coordination of Distributed Energy Resources. IEEE Control Systems, 2020, 40, 26-52.	0.8	35
162	Electricity Markets Cleared by Merit Orderâ€"Part I: Finding the Market Outcomes Supported by Pure Strategy Nash Equilibria. IEEE Transactions on Power Systems, 2008, 23, 361-371.	6.5	33

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163	A Multistage Robust Transmission Expansion Planning Model Based on Mixed Binary Linear Decision Rulesâ€"Part I. IEEE Transactions on Power Systems, 2018, 33, 5341-5350.	6.5	33
164	Electricity market near-equilibrium under locational marginal pricing and minimum profit conditions. European Journal of Operational Research, 2006, 174, 457-479.	5.7	32
165	Pilotâ€bus selection for secondary voltage control. European Transactions on Electrical Power, 1993, 3, 359-366.	1.0	32
166	Allocation of the cost of transmission losses using a radial equivalent network. IEEE Transactions on Power Systems, 2003, 18, 1353-1358.	6.5	31
167	Some analytical results pertaining to Cournot models for short-term electricity markets. Electric Power Systems Research, 2008, 78, 1672-1678.	3.6	31
168	Robust Security Constrained ACOPF via Conic Programming: Identifying the Worst Contingencies. IEEE Transactions on Power Systems, 2018, 33, 5884-5891.	6.5	31
169	A comparison of interior-point codes for medium-term hydro-thermal coordination. IEEE Transactions on Power Systems, 1998, 13, 836-843.	6.5	30
170	Calculation of Measurement Correlations Using Point Estimate. IEEE Transactions on Power Delivery, 2010, 25, 2095-2103.	4.3	30
171	A two-stage stochastic optimization planning framework to decarbonize deeply electric power systems. Energy Economics, 2019, 84, 104457.	12.1	29
172	State estimation via mathematical programming: a comparison of different estimation algorithms. IET Generation, Transmission and Distribution, 2012, 6, 545.	2.5	28
173	An efficient algorithm for optimal reservoir utilization in probabilistic production costing. IEEE Transactions on Power Systems, 1990, 5, 439-447.	6.5	27
174	Impact of Unit Failure on Forward Contracting. IEEE Transactions on Power Systems, 2008, 23, 1768-1775.	6.5	27
175	Participation factor approach for phasor measurement unit placement in power system state estimation. IET Generation, Transmission and Distribution, 2012, 6, 922.	2.5	27
176	Generation Investment Equilibria With Strategic Producersâ€"Part II: Case Studies. IEEE Transactions on Power Systems, 2013, 28, 2623-2631.	6.5	27
177	Mathematical programming and electricity markets. Top, 2001, 9, 1-22.	1.6	26
178	Tools for the Analysis and Design of Distributed Resourcesâ€"Part III: Market Studies. IEEE Transactions on Power Delivery, 2011, 26, 1663-1670.	4.3	26
179	Merchant Storage Investment in a Restructured Electricity Industry. Energy Journal, 2019, 40, 129-164.	1.7	26
180	Optimal power flows of interconnected power systems. , 0, , .		25

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181	A Benders decomposition method for discretely-constrained mathematical programs with equilibrium constraints. Journal of the Operational Research Society, 2010, 61, 1404-1419.	3.4	25
182	Equilibria in futures and spot electricity markets. Electric Power Systems Research, 2012, 84, 1-9.	3.6	25
183	Network usage determination using a transformer analogy. IET Generation, Transmission and Distribution, 2014, 8, 81-90.	2.5	25
184	Investing in Generation Capacity: A Multi-Stage Linear-Decision-Rule Approach. IEEE Transactions on Power Systems, 2016, 31, 4784-4794.	6.5	25
185	Using electricity options to hedge against financial risks of power producers. Journal of Modern Power Systems and Clean Energy, 2013, 1, 101-109.	5.4	24
186	Electricity production scheduling under uncertainty: Max social welfare vs. min emission vs. max renewable production. Applied Energy, 2017, 193, 540-549.	10.1	24
187	Transmission Expansion Planning Including TCSCs and SFCLs: A MINLP Approach. IEEE Transactions on Power Systems, 2020, 35, 4396-4407.	6.5	24
188	An alternative approach for addressing the failure probability-safety factor method with sensitivity analysis. Reliability Engineering and System Safety, 2003, 82, 207-216.	8.9	23
189	Three- or Two-Stage Stochastic Market-Clearing Algorithm?. IEEE Transactions on Power Systems, 2017, 32, 3099-3110.	6.5	23
190	Economic and environmental implications of different approaches to hedge against wind production uncertainty in two-settlement electricity markets: A PJM case study. Energy Economics, 2019, 80, 336-354.	12.1	23
191	Planning to expand?. IEEE Power and Energy Magazine, 2007, 5, 64-70.	1.6	22
192	Risk-averse formulations and methods for a virtual power plant. Computers and Operations Research, 2018, 96, 350-373.	4.0	21
193	Operations and Long-Term Expansion Planning of Natural-Gas and Power Systems: A Market Perspective. Proceedings of the IEEE, 2020, 108, 1541-1557.	21.3	21
194	Complementarity, Not Optimization, is the Language of Markets. IEEE Open Access Journal of Power and Energy, 2020, 7, 344-353.	3.4	21
195	Gas-Power Coordination: From Day-Ahead Scheduling to Actual Operation. IEEE Transactions on Power Systems, 2022, 37, 1532-1542.	6.5	21
196	Realistic electricity market simulator for energy and economic studies. Electric Power Systems Research, 2007, 77, 46-54.	3.6	20
197	$m-k$ Robust Observability in State Estimation. IEEE Transactions on Power Systems, 2008, 23, 296-305.	6.5	20
198	Binary-arithmetic approach to observability checking in state estimation. IET Generation, Transmission and Distribution, 2009, 3, 336.	2.5	20

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199	Robust WLS estimator using reweighting techniques for electric energy systems. Electric Power Systems Research, 2013, 104, 9-17.	3.6	20
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