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	Robust Dynamic TEP With an Security Criterion: A Computationally Efficient Model. IEEE Transactions on Power Systems, 2023, 38, 912-920.	6.5	4
2	Optimal Battery Sizing for Frequency Regulation and Energy Arbitrage. IEEE Transactions on Power Delivery, 2022, 37, 2016-2023.	4.3	18
3	Co-Optimizing the Siting and Sizing of Batteries and the Siting of Isolation Devices in Distribution Systems. IEEE Transactions on Power Delivery, 2022, 37, 2482-2491.	4.3	3
4	Gas-Power Coordination: From Day-Ahead Scheduling to Actual Operation. IEEE Transactions on Power Systems, 2022, 37, 1532-1542.	6.5	21
5	Robust optimization in power systems: a tutorial overview. Optimization and Engineering, 2022, 23, 2051-2073.	2.4	8
6	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
7	AC network-constrained unit commitment via conic relaxation and convex programming. International Journal of Electrical Power and Energy Systems, 2022, 134, 107364.	5.5	4
8	Multi-Period AC/DC Transmission Expansion Planning Including Shunt Compensation. IEEE Transactions on Power Systems, 2022, 37, 2164-2176.	6.5	11
9	AC Network-Constrained Unit Commitment via Relaxation and Decomposition. IEEE Transactions on Power Systems, 2022, 37, 2187-2196.	6.5	7
10	Stealthy monitoring-control attacks to disrupt power system operations. Electric Power Systems Research, 2022, 203, 107636.	3.6	1
11	On representative day selection for capacity expansion planning of power systems under extreme operating conditions. International Journal of Electrical Power and Energy Systems, 2022, 137, 107697.	5.5	20
12	Feeling the heat: A combustible situation for power systems [Editorsâ€™ Voice]. IEEE Power and Energy Magazine, 2022, 20, 4-7.	1.6	0
13	Risk-Averse Stochastic Programming vs. Adaptive Robust Optimization: A Virtual Power Plant Application. INFORMS Journal on Computing, 2022, 34, 1795-1818.	1.7	3
14	Solving certain complementarity problems in power markets via convex programming. Top, 2022, 30, 465-491.	1.6	2
15	Market Clearing. Profiles in Operations Research, 2022, , 97-116.	0.4	0
16	Optimal Siting of Batteries in Distribution Systems to Enhance Reliability. IEEE Transactions on Power Delivery, 2021, 36, 3118-3127.	4.3	14
17	Benefits of Stochastic Optimization for Scheduling Energy Storage in Wholesale Electricity Markets. Journal of Modern Power Systems and Clean Energy, 2021, 9, 181-189.	5.4	2
18	Spatiotemporal wind forecasting by learning a hierarchically sparse inverse covariance matrix using wind directions. International Journal of Forecasting, 2021, 37, 812-824.	6.5	3

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19	Operation of an all-solar power system in Saudi Arabia. International Journal of Electrical Power and Energy Systems, 2021, 125, 106466.	5.5	7
20	Sensitivity-based Vulnerability Assessment of State Estimation. Journal of Modern Power Systems and Clean Energy, 2021, 9, 886-896.	5.4	3
21	Equilibria in Interdependent Natural-gas and Electric Power Markets: an Analytical Approach. Journal of Modern Power Systems and Clean Energy, 2021, 9, 776-787.	5.4	5
22	A New Team for 2021: Many Thank Yous and Welcomes [Editors' Voice]. IEEE Power and Energy Magazine, 2021, 19, 4-10.	1.6	0
23	Energy Insecurity: Problems & Remedial Actions [Guest Editorial]. IEEE Power and Energy Magazine, 2021, 19, 16-17.	1.6	0
24	Sample average approximation for risk-averse problems: A virtual power plant scheduling application. EURO Journal on Computational Optimization, 2021, 9, 100005.	2.4	6
25	Influence of the number of decision stages on multi-stage renewable generation expansion models. International Journal of Electrical Power and Energy Systems, 2021, 126, 106588.	5.5	6
26	On Being Flexible: Resource Variability Hits Close to Home [Editors' Voice]. IEEE Power and Energy Magazine, 2021, 19, 4-8.	1.6	0
27	Energy Storage: Improving system reliability, deferring network upgrading, taking advantage of markets, and beyond. IEEE Electrification Magazine, 2021, 9, 104-111.	1.8	1
28	Single-Level Electricity Market Equilibrium With Offers and Bids in Energy and Price. IEEE Transactions on Power Systems, 2021, 36, 4185-4193.	6.5	9
29	Conjectural-Variations Equilibria in Electricity, Natural-Gas, and Carbon-Emission Markets. IEEE Transactions on Power Systems, 2021, 36, 4161-4171.	6.5	38
30	Expansion Planning for Renewable Integration in Power System of Regions with Very High Solar Irradiation. Journal of Modern Power Systems and Clean Energy, 2021, 9, 485-494.	5.4	14
31	A Distributionally Robust AC Network-Constrained Unit Commitment. IEEE Transactions on Power Systems, 2021, 36, 5258-5270.	6.5	13
32	Medium-Term Planning Models. Profiles in Operations Research, 2021, , 281-302.	0.4	0
33	Hybrid Adaptive Robust Optimization Models. Profiles in Operations Research, 2021, , 205-238.	0.4	0
34	Long-Term Planning Models. Profiles in Operations Research, 2021, , 303-326.	0.4	0
35	Security-Constrained ACOPF: Incorporating Worst Contingencies and Discrete Controllers. IEEE Transactions on Power Systems, 2020, 35, 1936-1945.	6.5	12
36	Equilibria in investment and spot electricity markets: A conjectural-variations approach. European Journal of Operational Research, 2020, 281, 129-140.	5.7	13

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37	Short-Circuit Constrained Power System Expansion Planning Considering Bundling and Voltage Levels of Lines. IEEE Transactions on Power Systems, 2020, 35, 584-593.	6.5	13
38	Operational Equilibria of Electric and Natural Gas Systems With Limited Information Interchange. IEEE Transactions on Power Systems, 2020, 35, 662-671.	6.5	35
39	Equilibria in Electricity and Natural Gas Markets With Strategic Offers and Bids. IEEE Transactions on Power Systems, 2020, 35, 1956-1966.	6.5	43
40	Graph-Based Second-Order Cone Programming Model for Resilient Feeder Routing Using GIS Data. IEEE Transactions on Power Delivery, 2020, 35, 1999-2010.	4.3	20
41	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
42	Complementarity, Not Optimization, is the Language of Markets. IEEE Open Access Journal of Power and Energy, 2020, 7, 344-353.	3.4	21
43	Transmission Expansion Planning Including TCSCs and SFCLs: A MINLP Approach. IEEE Transactions on Power Systems, 2020, 35, 4396-4407.	6.5	24
44	A market equilibrium model for electricity, gas and district heating operations. Energy, 2020, 206, 117934.	8.8	11
45	Strategic-Agent Equilibria in the Operation of Natural Gas and Power Markets. Energies, 2020, 13, 868.	3.1	4
46	Investment Equilibria Involving Gas-Fired Power Units in Electricity and Gas Markets. IEEE Transactions on Power Systems, 2020, 35, 2736-2747.	6.5	18
47	Transactive Energy Systems: The Market-Based Coordination of Distributed Energy Resources. IEEE Control Systems, 2020, 40, 26-52.	0.8	35
48	A two-stage stochastic optimization planning framework to decarbonize deeply electric power systems. Energy Economics, 2019, 84, 104457.	12.1	29
49	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
50	Unit Commitment With an Enhanced Natural Gas-Flow Model. IEEE Transactions on Power Systems, 2019, 34, 3729-3738.	6.5	76
51	Model-Agnostic Linear Estimation of Generator Rotor Speeds based on Phasor Measurement Units. , 2019, , .		0
52	Shadow Price-Based Co-Ordination of Natural Gas and Electric Power Systems. IEEE Transactions on Power Systems, 2019, 34, 1942-1954.	6.5	42
53	Electricity Market: A Conversation on Future Designs [Guest Editorial]. IEEE Power and Energy Magazine, 2019, 17, 18-19.	1.6	2
54	Merchant Storage Investment in a Restructured Electricity Industry. Energy Journal, 2019, 40, 129-164.	1.7	26

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55	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
56	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
57	Hierarchical Clustering to Find Representative Operating Periods for Capacity-Expansion Modeling. IEEE Transactions on Power Systems, 2018, 33, 3029-3039.	6.5	85
58	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
59	A Multistage Robust Transmission Expansion Planning Model Based on Mixed-Binary Linear Decision Rulesâ€”Part II. IEEE Transactions on Power Systems, 2018, 33, 5351-5364.	6.5	8
60	Risk-averse formulations and methods for a virtual power plant. Computers and Operations Research, 2018, 96, 350-373.	4.0	21
61	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
62	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
63	Multistage Stochastic Investment Planning With Multiscale Representation of Uncertainties and Decisions. IEEE Transactions on Power Systems, 2018, 33, 781-791.	6.5	89
64	Robust Transmission Expansion Planning Representing Long- and Short-Term Uncertainty. IEEE Transactions on Power Systems, 2018, 33, 1329-1338.	6.5	107
65	Evaluating the strategic behavior of cement producers: An equilibrium problem with equilibrium constraints. European Journal of Operational Research, 2018, 264, 717-731.	5.7	7
66	Adaptive Robust Expansion Planning for a Distribution Network With DERs. IEEE Transactions on Power Systems, 2018, 33, 1698-1715.	6.5	86
67	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
68	Power generation scheduling considering stochastic emission limits. International Journal of Electrical Power and Energy Systems, 2018, 95, 374-383.	5.5	16
69	Coordinated Expansion Planning of Natural Gas and Electric Power Systems. IEEE Transactions on Power Systems, 2018, 33, 3064-3075.	6.5	107
70	Power System Operations. Power Electronics and Power Systems, 2018, , .	0.6	56
71	Power Systems. Power Electronics and Power Systems, 2018, , 1-15.	0.6	2
72	Power System Fundamentals: Balanced Three-Phase Circuits. Power Electronics and Power Systems, 2018, , 17-54.	0.6	3

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73	Power System Components: Models. Power Electronics and Power Systems, 2018, , 55-96.	0.6	0
74	Power Flow. Power Electronics and Power Systems, 2018, , 97-135.	0.6	1
75	Power System State Estimation. Power Electronics and Power Systems, 2018, , 137-163.	0.6	0
76	Optimal Power Flow. Power Electronics and Power Systems, 2018, , 165-196.	0.6	1
77	Unit Commitment and Economic Dispatch. Power Electronics and Power Systems, 2018, , 197-232.	0.6	5
78	Self-Scheduling and Market Clearing Auction. Power Electronics and Power Systems, 2018, , 233-269.	0.6	1
79	Market equilibria and interactions between strategic generation, wind, and storage. Applied Energy, 2018, 220, 876-892.	10.1	55
80	Using Electrical Energy Storage to Mitigate Natural Gas-Supply Shortages. IEEE Transactions on Power Systems, 2018, 33, 7076-7086.	6.5	37
81	Robust Security Constrained ACOPF via Conic Programming: Identifying the Worst Contingencies. IEEE Transactions on Power Systems, 2018, 33, 5884-5891.	6.5	31
82	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
83	Model-Agnostic Linear Estimation of Generator Rotor Speeds Based on Phasor Measurement Units. IEEE Transactions on Power Systems, 2018, 33, 7258-7268.	6.5	17
84	Adaptive Robust Network-Constrained AC Unit Commitment. IEEE Transactions on Power Systems, 2017, 32, 672-683.	6.5	65
85	Adaptive Robust Transmission Expansion Planning Using Linear Decision Rules. IEEE Transactions on Power Systems, 2017, 32, 4024-4034.	6.5	64
86	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
87	Electricity production scheduling under uncertainty: Max social welfare vs. min emission vs. max renewable production. Applied Energy, 2017, 193, 540-549.	10.1	24
88	An Efficient Tri-Level Optimization Model for Electric Grid Defense Planning. IEEE Transactions on Power Systems, 2017, 32, 2984-2994.	6.5	90
89	Three- or Two-Stage Stochastic Market-Clearing Algorithm?. IEEE Transactions on Power Systems, 2017, 32, 3099-3110.	6.5	23
90	Is Being Flexible Advantageous for Demands?. IEEE Transactions on Power Systems, 2017, 32, 2337-2345.	6.5	19

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91	Unit Commitment Under Gas-Supply Uncertainty and Gas-Price Variability. IEEE Transactions on Power Systems, 2017, 32, 2394-2405.	6.5	109
92	Robust distributed volt/var control of distribution systems. , 2017, , .		2
93	A two-stage stochastic programming approach for operating multi-energy systems. , 2017, , .		1
94	Pricing electricity through a stochastic non-convex market-clearing model. , 2017, , .		0
95	Alternative linearisations for the operating cost function of UC problems. IET Generation, Transmission and Distribution, 2017, 11, 1992-1996.	2.5	4
96	Stochastic scheduling ensuring air quality through wind power and storage coordination. IET Generation, Transmission and Distribution, 2017, 11, 2031-2040.	2.5	5
97	Optimization in Engineering. Springer Optimization and Its Applications, 2017, , .	0.9	43
98	Linear Optimization. Springer Optimization and Its Applications, 2017, , 17-121.	0.9	0
99	Dynamic Optimization. Springer Optimization and Its Applications, 2017, , 337-388.	0.9	0
100	Mixed-Integer Linear Optimization. Springer Optimization and Its Applications, 2017, , 123-196.	0.9	2
101	Iterative Solution Algorithms for Nonlinear Optimization. Springer Optimization and Its Applications, 2017, , 287-336.	0.9	0
102	Optimization is Ubiquitous. Springer Optimization and Its Applications, 2017, , 1-16.	0.9	1
103	On resilience analysis and quantification for wide-area control of power systems. , 2016, , .		5
104	Pool equilibria including strategic storage. Applied Energy, 2016, 177, 260-270.	10.1	39
105	Pricing Electricity through a Stochastic Non-Convex Market-Clearing Model. IEEE Transactions on Power Systems, 2016, , 1-1.	6.5	15
106	Generation Expansion Planning. , 2016, , 61-114.		1
107	Investment in Production Capacity. , 2016, , 169-227.		0
108	Investment in Electricity Generation and Transmission. , 2016, , .		85

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109	Generation and Transmission Expansion Planning. , 2016, , 115-167.		7
110	Transmission Expansion Planning. , 2016, , 21-59.		3
111	Investment Equilibria. , 2016, , 229-267.		1
112	Weekly Two-Stage Robust Generation Scheduling for Hydrothermal Power Systems. IEEE Transactions on Power Systems, 2016, 31, 4554-4564.	6.5	42
113	Strategic Demand-Side Response to Wind Power Integration. IEEE Transactions on Power Systems, 2016, 31, 3495-3505.	6.5	60
114	Investing in Generation Capacity: A Multi-Stage Linear-Decision-Rule Approach. IEEE Transactions on Power Systems, 2016, 31, 4784-4794.	6.5	25
115	Ergodic Energy Management Leveraging Resource Variability in Distribution Grids. IEEE Transactions on Power Systems, 2016, 31, 4765-4775.	6.5	39
116	Reliability-Constrained Robust Power System Expansion Planning. IEEE Transactions on Power Systems, 2016, 31, 2383-2392.	6.5	95
117	Offering Strategy of Wind-Power Producer: A Multi-Stage Risk-Constrained Approach. IEEE Transactions on Power Systems, 2016, 31, 1420-1429.	6.5	112
118	Network-Constrained AC Unit Commitment Under Uncertainty: A Bendersâ€™ Decomposition Approach. IEEE Transactions on Power Systems, 2016, 31, 412-422.	6.5	97
119	Stochastic Reactive Power Management in Microgrids With Renewables. IEEE Transactions on Power Systems, 2015, 30, 3386-3395.	6.5	148
120	A robust optimization approach to energy and reserve dispatch in electricity markets. European Journal of Operational Research, 2015, 247, 659-671.	5.7	127
121	Toward Fully Renewable Electric Energy Systems. IEEE Transactions on Power Systems, 2015, 30, 316-326.	6.5	119
122	Robust transmission expansion planning. European Journal of Operational Research, 2015, 242, 390-401.	5.7	183
123	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
124	Strategic Bidding for a Large Consumer. IEEE Transactions on Power Systems, 2015, 30, 848-856.	6.5	93
125	Network usage determination using a transformer analogy. IET Generation, Transmission and Distribution, 2014, 8, 81-90.	2.5	25
126	Integrating Renewables in Electricity Markets. Profiles in Operations Research, 2014, , .	0.4	194

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127	Virtual Power Plants Virtual power plant. Profiles in Operations Research, 2014, , 243-287.	0.4	10
128	Trading Stochastic Production in Electricity Pools. Profiles in Operations Research, 2014, , 205-242.	0.4	11
129	Balancing Markets. Profiles in Operations Research, 2014, , 101-136.	0.4	3
130	Clearing the Day-Ahead Market with a High Penetration of Stochastic Production. Profiles in Operations Research, 2014, , 57-100.	0.4	3
131	Facilitating Renewable Integration by Demand Response Demand response. Profiles in Operations Research, 2014, , 289-329.	0.4	2
132	Impact of Stochastic Renewable Energy Generation on Market Quantities. Profiles in Operations Research, 2014, , 173-203.	0.4	1
133	Managing Uncertainty with Flexibility. Profiles in Operations Research, 2014, , 137-171.	0.4	3
134	A tutorial review of complementarity models for decision-making in energy markets. EURO Journal on Decision Processes, 2014, 2, 91-120.	2.7	46
135	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
136	Multi-Area Unit Scheduling and Reserve Allocation Under Wind Power Uncertainty. IEEE Transactions on Power Systems, 2014, 29, 1701-1710.	6.5	140
137	Strategic Wind Power Investment. IEEE Transactions on Power Systems, 2014, 29, 1250-1260.	6.5	54
138	Power Cycling: CCGTs: The Critical Link Between the Electricity and Natural Gas Markets. IEEE Power and Energy Magazine, 2014, 12, 40-48.	1.6	19
139	Operation of a fully renewable electric energy system with CSP plants. Applied Energy, 2014, 119, 417-430.	10.1	45
140	Energy Management of a Cluster of Interconnected Price-Responsive Demands. IEEE Transactions on Power Systems, 2014, 29, 645-655.	6.5	85
141	Minimizing Wind Power Spillage Using an OPF With FACTS Devices. IEEE Transactions on Power Systems, 2014, 29, 2150-2159.	6.5	52
142	Solving Discretely-Constrained Nashâ€“Cournot Games with an Application to Power Markets. Networks and Spatial Economics, 2013, 13, 307-326.	1.6	48
143	Multi-Area Energy and Reserve Dispatch Under Wind Uncertainty and Equipment Failures. IEEE Transactions on Power Systems, 2013, 28, 4373-4383.	6.5	111
144	Estimating the parameters of a fatigue model using Bendersâ€™ decomposition. Annals of Operations Research, 2013, 210, 309-331.	4.1	2

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145	Robust WLS estimator using reweighting techniques for electric energy systems. Electric Power Systems Research, 2013, 104, 9-17.	3.6	20
146	Power system observability via optimization. Electric Power Systems Research, 2013, 104, 207-215.	3.6	5
147	An EPEC approach to the yearly maintenance scheduling of generating units. IEEE Transactions on Power Systems, 2013, 28, 922-930.	6.5	47
148	Strategic Offering for a Wind Power Producer. IEEE Transactions on Power Systems, 2013, 28, 4645-4654.	6.5	162
149	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
150	Complementarity Modeling in Energy Markets. Profiles in Operations Research, 2013, , .	0.4	220
151	Solving discretely constrained, mixed linear complementarity problems with applications in energy. Computers and Operations Research, 2013, 40, 1339-1350.	4.0	39
152	Revealing Rival Marginal Offer Prices Via Inverse Optimization. IEEE Transactions on Power Systems, 2013, 28, 3056-3064.	6.5	37
153	Generation Investment Equilibria With Strategic Producersâ€"Part I: Formulation. IEEE Transactions on Power Systems, 2013, 28, 2613-2622.	6.5	83
154	Risk-Constrained Multi-Stage Wind Power Investment. IEEE Transactions on Power Systems, 2013, 28, 401-411.	6.5	108
155	Generation Investment Equilibria With Strategic Producersâ€"Part II: Case Studies. IEEE Transactions on Power Systems, 2013, 28, 2623-2631.	6.5	27
156	Medium-Term Power Dispatch in Predominantly Hydro Systems: An Equilibrium Approach. IEEE Transactions on Power Systems, 2013, 28, 2384-2394.	6.5	11
157	Offering model for a virtual power plant based on stochastic programming. Applied Energy, 2013, 105, 282-292.	10.1	290
158	Contract design and supply chain coordination in the electricity industry. European Journal of Operational Research, 2013, 227, 527-537.	5.7	79
159	Correlated wind-power production and electric load scenarios for investment decisions. Applied Energy, 2013, 101, 475-482.	10.1	213
160	Optimal engineering design via Bendersâ€™ decomposition. Annals of Operations Research, 2013, 210, 273-293.	4.1	4
161	Exact Solution Methodologies for Linear and (Mixed) Integer Bilevel Programming. Studies in Computational Intelligence, 2013, , 221-245.	0.9	8
162	Equilibria and Complementarity Problems. Profiles in Operations Research, 2013, , 127-179.	0.4	4

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163	Equilibrium Problems with Equilibrium Constraints. Profiles in Operations Research, 2013, , 263-321.	0.4	2
164	Optimization Problems Constrained by Complementarity and Other Optimization Problems. Profiles in Operations Research, 2013, , 221-262.	0.4	0
165	Some Advanced Algorithms for VI Decomposition, MPCCs and EPECs. Profiles in Operations Research, 2013, , 385-432.	0.4	0
166	Strategic Generation Investment Considering Futures and Spot Markets. IEEE Transactions on Power Systems, 2012, 27, 1467-1476.	6.5	49
167	Strategic Generation Investment Under Uncertainty Via Benders Decomposition. IEEE Transactions on Power Systems, 2012, 27, 424-432.	6.5	75
168	State estimation via mathematical programming: a comparison of different estimation algorithms. IET Generation, Transmission and Distribution, 2012, 6, 545.	2.5	28
169	Pricing Non-Convexities in an Electricity Pool. IEEE Transactions on Power Systems, 2012, 27, 1334-1342.	6.5	127
170	Managing the financial risks of electricity producers using options. Energy Economics, 2012, 34, 2216-2227.	12.1	40
171	Optimal offering strategy for a concentrating solar power plant. Applied Energy, 2012, 98, 316-325.	10.1	125
172	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
173	Wind Power Investment: A Benders Decomposition Approach. IEEE Transactions on Power Systems, 2012, 27, 433-441.	6.5	89
174	Equilibria in an Oligopolistic Electricity Pool With Stepwise Offer Curves. IEEE Transactions on Power Systems, 2012, 27, 752-761.	6.5	163
175	Yearly Maintenance Scheduling of Transmission Lines Within a Market Environment. IEEE Transactions on Power Systems, 2012, 27, 407-415.	6.5	55
176	Transmission and Wind Power Investment. IEEE Transactions on Power Systems, 2012, 27, 885-893.	6.5	164
177	Pricing Electricity in Pools With Wind Producers. IEEE Transactions on Power Systems, 2012, 27, 1366-1376.	6.5	162
178	Participation factor approach for phasor measurement unit placement in power system state estimation. IET Generation, Transmission and Distribution, 2012, 6, 922.	2.5	27
179	Market-driven dynamic transmission expansion planning. Electric Power Systems Research, 2012, 82, 88-94.	3.6	44
180	Equilibria in futures and spot electricity markets. Electric Power Systems Research, 2012, 84, 1-9.	3.6	25

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181	Simulating the Impact of Wind Production on Locational Marginal Prices. IEEE Transactions on Power Systems, 2011, 26, 820-828.	6.5	111
182	Strategic Generation Investment Using a Complementarity Approach. IEEE Transactions on Power Systems, 2011, 26, 940-948.	6.5	169
183	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
184	Offering Strategy Via Robust Optimization. IEEE Transactions on Power Systems, 2011, 26, 1418-1425.	6.5	139
185	An OPF Methodology to Ensure Small-Signal Stability. IEEE Transactions on Power Systems, 2011, 26, 1050-1061.	6.5	61
186	Decentralized State Estimation and Bad Measurement Identification: An Efficient Lagrangian Relaxation Approach. IEEE Transactions on Power Systems, 2011, 26, 2500-2508.	6.5	38
187	Multiple Bad Data Identification Considering Measurement Dependencies. IEEE Transactions on Power Systems, 2011, 26, 1953-1961.	6.5	39
188	Evaluating alternative offering strategies for wind producers in a pool. Applied Energy, 2011, 88, 4918-4926.	10.1	35
189	Wind power investment within a market environment. Applied Energy, 2011, 88, 3239-3247.	10.1	80
190	A sensitivity analysis method to compute the residual covariance matrix. Electric Power Systems Research, 2011, 81, 1071-1078.	3.6	11
191	Reliability and decomposition techniques to solve certain class of stochastic programming problems. Reliability Engineering and System Safety, 2011, 96, 314-323.	8.9	13
192	Short-Term Trading for Electricity Producers. Profiles in Operations Research, 2011, , 181-201.	0.4	4
193	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
194	Insuring unit failures in electricity markets. Energy Economics, 2010, 32, 1268-1276.	12.1	7
195	An efficient algebraic approach to observability analysis in state estimation. Electric Power Systems Research, 2010, 80, 277-286.	3.6	17
196	Real-Time Demand Response Model. IEEE Transactions on Smart Grid, 2010, 1, 236-242.	9.0	879
197	A methodology to generate statistically dependent wind speed scenarios. Applied Energy, 2010, 87, 843-855.	10.1	257
198	Multi-market energy procurement for a large consumer using a risk-aversion procedure. Electric Power Systems Research, 2010, 80, 63-70.	3.6	75

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199	Electricity pool prices: long-term uncertainty characterization for futures-market trading and risk management. Journal of the Operational Research Society, 2010, 61, 235-245.	3.4	13
200	Weekly Self-Scheduling, Forward Contracting, and Offering Strategy for a Producer. IEEE Transactions on Power Systems, 2010, 25, 657-666.	6.5	60
201	Short-Term Trading for a Wind Power Producer. IEEE Transactions on Power Systems, 2010, 25, 554-564.	6.5	412
202	Integrating non-dispatchable producers in electricity markets. , 2010, , .		0
203	Breaker Status Identification. IEEE Transactions on Power Systems, 2010, 25, 694-702.	6.5	37
204	Securing Transient Stability Using Time-Domain Simulations Within an Optimal Power Flow. IEEE Transactions on Power Systems, 2010, 25, 243-253.	6.5	167
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