

Pierre Pinson

List of Publications by Year in descending order

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Version: 2024-02-01

235
papers

14,201
citations

22548

61
h-index

25983

112
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244
all docs

244
docs citations

244
times ranked

9011
citing authors

#	ARTICLE	IF	CITATIONS
1	Pandemics and forecasting: The way forward through the Taleb-Ioannidis debate. <i>International Journal of Forecasting</i> , 2022, 38, 410-412.	3.9	9
2	An Asynchronous Online Negotiation Mechanism for Real-Time Peer-to-Peer Electricity Markets. <i>IEEE Transactions on Power Systems</i> , 2022, 37, 1868-1880.	4.6	17
3	Stochastic Control and Pricing for Natural Gas Networks. <i>IEEE Transactions on Control of Network Systems</i> , 2022, 9, 450-462.	2.4	6
4	A network-aware market mechanism for decentralized district heating systems. <i>Applied Energy</i> , 2022, 306, 117956.	5.1	8
5	Forecasting: theory and practice. <i>International Journal of Forecasting</i> , 2022, 38, 705-871.	3.9	256
6	Editorial: Epidemics and forecasting with a focus on COVID-19. <i>International Journal of Forecasting</i> , 2022, 38, 407-407.	3.9	1
7	Guest Editorial for the Special Section on Advances in Renewable Energy Forecasting: Predictability, Business Models and Applications in the Power Industry. <i>IEEE Transactions on Sustainable Energy</i> , 2022, 13, 1166-1168.	5.9	1
8	Regression markets and application to energy forecasting. <i>Top</i> , 2022, 30, 533-573.	1.1	10
9	North Sea Energy Islands: Impact on national markets and grids. <i>Energy Policy</i> , 2022, 167, 112907.	4.2	9
10	Continuous and Distribution-Free Probabilistic Wind Power Forecasting: A Conditional Normalizing Flow Approach. <i>IEEE Transactions on Sustainable Energy</i> , 2022, 13, 2250-2263.	5.9	7
11	Multi-stage linear decision rules for stochastic control of natural gas networks with linepack. <i>Electric Power Systems Research</i> , 2022, 212, 108388.	2.1	6
12	Trading data for wind power forecasting: A regression market with lasso regularization. <i>Electric Power Systems Research</i> , 2022, 212, 108442.	2.1	7
13	Differentially Private Optimal Power Flow for Distribution Grids. <i>IEEE Transactions on Power Systems</i> , 2021, 36, 2186-2196.	4.6	20
14	Loss Allocation in Joint Transmission and Distribution Peer-to-Peer Markets. <i>IEEE Transactions on Power Systems</i> , 2021, 36, 1833-1842.	4.6	24
15	Online distributed learning in wind power forecasting. <i>International Journal of Forecasting</i> , 2021, 37, 205-223.	3.9	14
16	A critical overview of privacy-preserving approaches for collaborative forecasting. <i>International Journal of Forecasting</i> , 2021, 37, 322-342.	3.9	19
17	Towards Data Markets in Renewable Energy Forecasting. <i>IEEE Transactions on Sustainable Energy</i> , 2021, 12, 533-542.	5.9	30
18	Online forecast reconciliation in wind power prediction. <i>Electric Power Systems Research</i> , 2021, 190, 106637.	2.1	6

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19	Chance-Constrained Peer-to-Peer Joint Energy and Reserve Market Considering Renewable Generation Uncertainty. IEEE Transactions on Smart Grid, 2021, 12, 798-809.	6.2	79
20	Design and game-Theoretic analysis of community-Based market mechanisms in heat and electricity systems. Omega, 2021, 99, 102177.	3.6	23
21	Coordination of power and natural gas markets via financial instruments. Computational Management Science, 2021, 18, 505-538.	0.8	4
22	Energy and reserve dispatch with distributionally robust joint chance constraints. Operations Research Letters, 2021, 49, 291-299.	0.5	36
23	Mechanism Design for Fair and Efficient DSO Flexibility Markets. IEEE Transactions on Smart Grid, 2021, 12, 2249-2260.	6.2	46
24	Adaptive Generalized Logit-Normal Distributions for Wind Power Short-Term Forecasting. , 2021, , .		2
25	Monetizing Customer Load Data for an Energy Retailer: A Cooperative Game Approach. , 2021, , .		6
26	Electric demand response and bounded rationality: mean-field control for large populations of heterogeneous bounded-rational agents. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20190429.	1.6	2
27	Dynamic Reserve and Transmission Capacity Allocation in Wind-Dominated Power Systems. IEEE Transactions on Power Systems, 2021, 36, 3017-3028.	4.6	10
28	Transactive Energy for Flexible Prosumers Using Algorithmic Game Theory. IEEE Transactions on Sustainable Energy, 2021, 12, 1571-1581.	5.9	34
29	Privacy-Preserving Distributed Learning for Renewable Energy Forecasting. IEEE Transactions on Sustainable Energy, 2021, 12, 1777-1787.	5.9	20
30	What Do Prosumer Marginal Utility Functions Look Like? Derivation and Analysis. IEEE Transactions on Power Systems, 2021, 36, 4322-4330.	4.6	15
31	Online Optimization for Real-Time Peer-to-Peer Electricity Market Mechanisms. IEEE Transactions on Smart Grid, 2021, 12, 4151-4163.	6.2	20
32	Managing Distributed Flexibility Under Uncertainty by Combining Deep Learning With Duality. IEEE Transactions on Sustainable Energy, 2021, 12, 2195-2204.	5.9	12
33	Price-region bids in electricity markets. European Journal of Operational Research, 2021, 295, 1056-1073.	3.5	4
34	A Self-Adaptive Multikernel Machine Based on Recursive Least-Squares Applied to Very Short-Term Wind Power Forecasting. IEEE Access, 2021, 9, 104761-104772.	2.6	3
35	Forecasting and Market Design Advances: Supporting an Increasing Share of Renewable Energy. IEEE Power and Energy Magazine, 2021, 19, 77-85.	1.6	4
36	Do unit commitment constraints affect generation expansion planning? A scalable stochastic model. Energy Systems, 2020, 11, 247-282.	1.8	40

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37	A Mid-Term DSO Market for Capacity Limits: How to Estimate Opportunity Costs of Aggregators?. IEEE Transactions on Smart Grid, 2020, 11, 334-345.	6.2	20
38	Temporal hierarchies with autocorrelation for load forecasting. European Journal of Operational Research, 2020, 280, 876-888.	3.5	47
39	Chance-constrained optimal power flow with non-parametric probability distributions of dynamic line ratings. International Journal of Electrical Power and Energy Systems, 2020, 114, 105389.	3.3	19
40	The future of forecasting for renewable energy. Wiley Interdisciplinary Reviews: Energy and Environment, 2020, 9, e365.	1.9	82
41	Statistical post-processing of turbulence-resolving weather forecasts for offshore wind power forecasting. Wind Energy, 2020, 23, 884-897.	1.9	16
42	Heat and electricity market coordination: A scalable complementarity approach. European Journal of Operational Research, 2020, 283, 1107-1123.	3.5	26
43	Distributionally Robust Chance-Constrained Generation Expansion Planning. IEEE Transactions on Power Systems, 2020, 35, 2888-2903.	4.6	47
44	Chance-Constrained Equilibrium in Electricity Markets With Asymmetric Forecasts. , 2020, , .		1
45	Market-based coordination of integrated electricity and natural gas systems under uncertain supply. European Journal of Operational Research, 2020, 287, 1105-1119.	3.5	23
46	Big data analytics for future electricity grids. Electric Power Systems Research, 2020, 189, 106788.	2.1	54
47	Affine Policies for Flexibility Provision by Natural Gas Networks to Power Systems. Electric Power Systems Research, 2020, 189, 106565.	2.1	18
48	Added-value of ensemble prediction system on the quality of solar irradiance probabilistic forecasts. Renewable Energy, 2020, 162, 1321-1339.	4.3	14
49	Max-min Fairness for Demand Side Management Under High RES Penetration: Dealing With Undefined Consumer Valuation Functions. , 2020, , .		9
50	Energy Forecasting: A Review and Outlook. IEEE Open Access Journal of Power and Energy, 2020, 7, 376-388.	2.5	268
51	Heterogeneous risk preferences in community-based electricity markets. European Journal of Operational Research, 2020, 287, 36-48.	3.5	22
52	Evaluation of wind power forecasts—An up-to-date view. Wind Energy, 2020, 23, 1461-1481.	1.9	44
53	Transactive Energy Based Aggregation of Prosumers as a Retailer. IEEE Transactions on Smart Grid, 2020, 11, 3302-3312.	6.2	48
54	Demand side management of heat in smart homes: Living-lab experiments. Energy, 2020, 195, 116993.	4.5	41

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55	A Local Market Mechanism for Physical Storage Rights. IEEE Transactions on Power Systems, 2020, 35, 3087-3099.	4.6	22
56	The ethical smart grid: Enabling a fruitful and long-lasting relationship between utilities and customers. Energy Policy, 2020, 140, 111258.	4.2	13
57	Differentially Private Distributed Optimal Power Flow. , 2020, , .		7
58	Demand Response through Price-setting Multi-agent Reinforcement Learning. , 2020, , .		3
59	Polyhedral Predictive Regions for Power System Applications. IEEE Transactions on Power Systems, 2019, 34, 693-704.	4.6	20
60	An Integrated Market for Electricity and Natural Gas Systems with Stochastic Power Producers. European Journal of Operational Research, 2019, 272, 642-654.	3.5	106
61	How far along are Local Energy Markets in the DACH+ Region?. , 2019, , .		27
62	Coordination of Power and Natural Gas Systems: Convexification Approaches for Linepack Modeling. , 2019, , .		18
63	Data-driven study on individual occupant comfort using heating setpoints and window openings in new low-energy apartments – preliminary insights. E3S Web of Conferences, 2019, 111, 04063.	0.2	4
64	Electricity market equilibrium under information asymmetry. Operations Research Letters, 2019, 47, 521-526.	0.5	19
65	Verification of solar irradiance probabilistic forecasts. Solar Energy, 2019, 194, 254-271.	2.9	84
66	Detection and Characterization of Domestic Heat Pumps. , 2019, , .		2
67	Prosumer Markets: A Unified Formulation. , 2019, , .		29
68	Data-driven learning from dynamic pricing data - Classification and forecasting. , 2019, , .		4
69	A DSO-Level Contract Market for Conditional Demand Response. , 2019, , .		14
70	Exogenous Cost Allocation in Peer-to-Peer Electricity Markets. IEEE Transactions on Power Systems, 2019, 34, 2553-2564.	4.6	194
71	Peer-to-peer and community-based markets: A comprehensive review. Renewable and Sustainable Energy Reviews, 2019, 104, 367-378.	8.2	609
72	Distributed Reconciliation in Day-Ahead Wind Power Forecasting. Energies, 2019, 12, 1112.	1.6	7

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73	Incentive-Compatibility in a Two-Stage Stochastic Electricity Market With High Wind Power Penetration. IEEE Transactions on Power Systems, 2019, 34, 2846-2858.	4.6	53
74	Accommodating Bounded Rationality in Pricing Demand Response. , 2019, , .		5
75	Exploring Market Properties of Policy-based Reserve Procurement for Power Systems. , 2019, , .		3
76	Trading wind power through physically settled options and short-term electricity markets. Wind Energy, 2019, 22, 1487-1499.	1.9	6
77	Coordinating Consumer-Centric Market and Grid Operation on Distribution Grid. , 2019, , .		18
78	Online adaptive clustering algorithm for load profiling. Sustainable Energy, Grids and Networks, 2019, 17, 100181.	2.3	28
79	Consensus-Based Approach to Peer-to-Peer Electricity Markets With Product Differentiation. IEEE Transactions on Power Systems, 2019, 34, 994-1004.	4.6	334
80	Convex Relaxations and Approximations of Chance-Constrained AC-OPF Problems. IEEE Transactions on Power Systems, 2019, 34, 1459-1470.	4.6	20
81	Energy Collectives: A Community and Fairness Based Approach to Future Electricity Markets. IEEE Transactions on Power Systems, 2019, 34, 3994-4004.	4.6	272
82	Online adaptive lasso estimation in vector autoregressive models for high dimensional wind power forecasting. International Journal of Forecasting, 2019, 35, 1485-1498.	3.9	74
83	Optimal allocation of HVDC interconnections for exchange of energy and reserve capacity services. Energy Systems, 2019, 10, 635-675.	1.8	7
84	Cost-Optimal ATCs in Zonal Electricity Markets. IEEE Transactions on Power Systems, 2018, 33, 3624-3633.	4.6	12
85	A Stochastic Market Design With Revenue Adequacy and Cost Recovery by Scenario: Benefits and Costs. IEEE Transactions on Power Systems, 2018, 33, 3531-3545.	4.6	43
86	Correlation-Constrained and Sparsity-Controlled Vector Autoregressive Model for Spatio-Temporal Wind Power Forecasting. IEEE Transactions on Power Systems, 2018, 33, 5029-5040.	4.6	106
87	Ellipsoidal Prediction Regions for Multivariate Uncertainty Characterization. IEEE Transactions on Power Systems, 2018, 33, 4519-4530.	4.6	23
88	A Local Energy Market for Electricity and Hydrogen. IEEE Transactions on Power Systems, 2018, 33, 3898-3908.	4.6	99
89	Benefits of spatiotemporal modeling for short-term wind power forecasting at both individual and aggregated levels. Environmetrics, 2018, 29, e2493.	0.6	17
90	Visualizing Big Energy Data: Solutions for This Crucial Component of Data Analysis. IEEE Power and Energy Magazine, 2018, 16, 18-25.	1.6	22

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91	A Bayesian Inference Approach to Unveil Supply Curves in Electricity Markets. IEEE Transactions on Power Systems, 2018, 33, 2610-2620.	4.6	30
92	Real-Time Procurement Strategies of a Proactive Distribution Company With Aggregator-Based Demand Response. IEEE Transactions on Smart Grid, 2018, 9, 766-776.	6.2	75
93	Active Distribution Grid Management Based on Robust AC Optimal Power Flow. IEEE Transactions on Smart Grid, 2018, 9, 6229-6241.	6.2	75
94	Price-Taker Offering Strategy in Electricity Pay-as-Bid Markets. IEEE Transactions on Power Systems, 2018, 33, 2175-2183.	4.6	40
95	Data-driven Security-Constrained AC-OPF for Operations and Markets. , 2018, , .		14
96	A Consensus-ADMM Approach for Strategic Generation Investment in Electricity Markets. , 2018, , .		10
97	Optimal Offering Strategy of an EV Aggregator in the Frequency-Controlled Normal Operation Reserve Market. , 2018, , .		6
98	Offering Strategy of a Flexibility Aggregator in a Balancing Market Using Asymmetric Block Offers. , 2018, , .		3
99	Negotiation Algorithms for Peer-to-Peer Electricity Markets: Computational Properties. , 2018, , .		43
100	Application of Postprocessing for Renewable Energy. , 2018, , 241-266.		10
101	Optimal offering and allocation policies for wind power in energy and reserve markets. Wind Energy, 2017, 20, 1851-1870.	1.9	8
102	Optimal Offering and Operating Strategy for a Large Wind-Storage System as a Price Maker. IEEE Transactions on Power Systems, 2017, 32, 4904-4913.	4.6	61
103	Towards fully renewable energy systems: Experience and trends in Denmark. CSEE Journal of Power and Energy Systems, 2017, 3, 26-35.	1.7	86
104	Impact of Public Aggregate Wind Forecasts on Electricity Market Outcomes. IEEE Transactions on Sustainable Energy, 2017, 8, 1394-1405.	5.9	33
105	Demand response evaluation and forecasting " Methods and results from the EcoGrid EU experiment. Sustainable Energy, Grids and Networks, 2017, 10, 75-83.	2.3	27
106	Optimal planning of integrated multi-energy systems. , 2017, , .		5
107	Decision support program for congestion management using demand side flexibility. , 2017, , .		10
108	Exploiting flexibility in coupled electricity and natural gas markets: A price-based approach. , 2017, , .		12

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109	Spatial models for probabilistic prediction of wind power with application to annual-average and high temporal resolution data. Stochastic Environmental Research and Risk Assessment, 2017, 31, 1615-1631.	1.9	12
110	Coordinating flexibility under uncertainty in multi-area AC and DC grids. , 2017, , .		3
111	RE-Europe, a large-scale dataset for modeling a highly renewable European electricity system. Scientific Data, 2017, 4, 170175.	2.4	40
112	Guest Editorial - Special Section on Emerging Informatics for Risk Hedging and Decision Making in Smart Grids. IEEE Transactions on Industrial Informatics, 2017, 13, 2507-2510.	7.2	4
113	Generation Expansion Planning With Large Amounts of Wind Power via Decision-Dependent Stochastic Programming. IEEE Transactions on Power Systems, 2017, 32, 3015-3026.	4.6	66
114	Attribution Mechanisms for Ancillary Service Costs Induced by Variability in Power Delivery. IEEE Transactions on Power Systems, 2017, 32, 1891-1901.	4.6	6
115	Modeling the transient security constraints of natural gas network in day-ahead power system scheduling. , 2017, , .		2
116	Wind power in electricity markets and the value of forecasting. , 2017, , 259-278.		15
117	Data-driven demand response characterization and quantification. , 2017, , .		3
118	Offering strategy of a price-maker energy storage system in day-ahead and balancing markets. , 2017, , .		10
119	Wind offering in energy and reserve markets. Journal of Physics: Conference Series, 2016, 749, 012021.	0.3	1
120	Identifying and characterizing the impact of turbine icing on wind farm power generation. Wind Energy, 2016, 19, 1503-1518.	1.9	34
121	Adaptive robust polynomial regression for power curve modeling with application to wind power forecasting. Wind Energy, 2016, 19, 2321-2336.	1.9	17
122	Generation of Scenarios from Calibrated Ensemble Forecasts with a Dual-Ensemble Copula-Coupling Approach. Monthly Weather Review, 2016, 144, 4737-4750.	0.5	27
123	Strategic wind power trading considering rival wind power production. , 2016, , .		2
124	Introducing distributed learning approaches in wind power forecasting. , 2016, , .		7
125	Optimal coupling of heat and electricity systems: A stochastic hierarchical approach. , 2016, , .		16
126	Wind power forecasting: IEA Wind Task 36 & future research issues. Journal of Physics: Conference Series, 2016, 753, 032042.	0.3	4

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127	Effects of risk aversion on market outcomes: A stochastic two-stage equilibrium model. , 2016, , .		6
128	Population dynamics for renewables in electricity markets: A minority game view. , 2016, , .		1
129	Information Uncertainty in Electricity Markets: Introducing Probabilistic Offers. IEEE Transactions on Power Systems, 2016, 31, 5202-5203.	4.6	12
130	Sharing wind power forecasts in electricity markets: A numerical analysis. Applied Energy, 2016, 176, 65-73.	5.1	29
131	Demand forecasting at low aggregation levels using Factored Conditional Restricted Boltzmann Machine. , 2016, , .		18
132	Purely data-driven approaches to trading of renewable energy generation. , 2016, , .		6
133	Real-Time Trading Strategies of Proactive DISCO with Heterogeneous DG Owners. IEEE Transactions on Smart Grid, 2016, , 1-1.	6.2	16
134	Impact of renewable energy forecast imperfections on market-clearing outcomes. , 2016, , .		3
135	A robust optimisation approach using CVaR for unit commitment in a market with probabilistic offers. , 2016, , .		9
136	Evaluating price-based demand response in practice - with application to the EcoGrid EU Experiment. IEEE Transactions on Smart Grid, 2016, , 1-1.	6.2	21
137	Generation and evaluation of space-time trajectories of photovoltaic power. Applied Energy, 2016, 176, 80-91.	5.1	65
138	Trading strategies for distribution company with stochastic distributed energy resources. Applied Energy, 2016, 177, 625-635.	5.1	46
139	Optimal Bidding Strategy of Battery Storage in Power Markets Considering Performance-Based Regulation and Battery Cycle Life. IEEE Transactions on Smart Grid, 2016, 7, 2359-2367.	6.2	341
140	Very Short-Term Nonparametric Probabilistic Forecasting of Renewable Energy Generation With Application to Solar Energy. IEEE Transactions on Power Systems, 2016, 31, 3850-3863.	4.6	208
141	Ranking Method for Peak-Load Shifting Considering Different Types of Data. Journal of Energy Engineering - ASCE, 2016, 142, .	1.0	1
142	Impact of Inter- and Intra-Regional Coordination in Markets With a Large Renewable Component. IEEE Transactions on Power Systems, 2016, 31, 5061-5070.	4.6	10
143	Optimal Offering and Operating Strategies for Wind-Storage Systems With Linear Decision Rules. IEEE Transactions on Power Systems, 2016, 31, 4755-4764.	4.6	74
144	Optimal Offering Strategies for Wind Power in Energy and Primary Reserve Markets. IEEE Transactions on Sustainable Energy, 2016, 7, 1036-1045.	5.9	71

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145	An Integrated Multiperiod OPF Model With Demand Response and Renewable Generation Uncertainty. IEEE Transactions on Smart Grid, 2016, 7, 1495-1503.	6.2	142
146	Economic Dispatch of Demand Response Balancing Through Asymmetric Block Offers. IEEE Transactions on Power Systems, 2016, 31, 2999-3007.	4.6	34
147	Integrated Bidding and Operating Strategies for Wind-Storage Systems. IEEE Transactions on Sustainable Energy, 2016, 7, 163-172.	5.9	93
148	Analysis of strategic wind power participation in energy market using MASCEM simulator. , 2015, , .		0
149	Quantile forecast discrimination ability and value. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 3415-3424.	1.0	13
150	Probabilistic maximum value wind prediction for offshore environments. Wind Energy, 2015, 18, 1725-1738.	1.9	12
151	The "Weather Intelligence for Renewable Energies" Benchmarking Exercise on Short-Term Forecasting of Wind and Solar Power Generation. Energies, 2015, 8, 9594-9619.	1.6	44
152	Demonstration of market-based real-time electricity pricing on a congested feeder. , 2015, , .		2
153	Improving offering strategies for wind farms enhanced with storage capability. , 2015, , .		3
154	Stochastic unit commitment via Progressive Hedging — extensive analysis of solution methods. , 2015, , .		12
155	On quantification of flexibility in power systems. , 2015, , .		31
156	Very-Short-Term Probabilistic Wind Power Forecasts by Sparse Vector Autoregression. IEEE Transactions on Smart Grid, 2015, , 1-1.	6.2	108
157	Robust optimisation for self-scheduling and bidding strategies of hybrid CSP "fossil power plants. International Journal of Electrical Power and Energy Systems, 2015, 67, 639-650.	3.3	51
158	A Spatial Model for the Instantaneous Estimation of Wind Power at a Large Number of Unobserved Sites. Procedia Environmental Sciences, 2015, 26, 131-134.	1.3	1
159	Foreword for the Special Section on Wind and Solar Energy: Uncovering and Accommodating Their Impacts on Electricity Markets. IEEE Transactions on Power Systems, 2015, 30, 1557-1559.	4.6	4
160	Price-maker wind power producer participating in a joint day-ahead and real-time market. , 2015, , .		12
161	Forecasting for dynamic line rating. Renewable and Sustainable Energy Reviews, 2015, 52, 1713-1730.	8.2	117
162	Space-Time Trajectories of Wind Power Generation: Parametrized Precision Matrices Under a Gaussian Copula Approach. Lecture Notes in Statistics, 2015, , 267-296.	0.1	26

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163	Operational strategies for predictive dispatch of control reserves in view of stochastic generation. , 2014, , .		0
164	Predictive Densities for Day-Ahead Electricity Prices Using Time-Adaptive Quantile Regression. Energies, 2014, 7, 5523-5547.	1.6	47
165	Exponential Smoothing Approaches for Prediction in Real-Time Electricity Markets. Energies, 2014, 7, 3710-3732.	1.6	34
166	Regulating power from supermarket refrigeration. , 2014, , .		10
167	Weather radars â€” the new eyes for offshore wind farms?. Wind Energy, 2014, 17, 1767-1787.	1.9	23
168	Integrating Renewables in Electricity Markets. Profiles in Operations Research, 2014, , .	0.3	194
169	Trading Stochastic Production in Electricity Pools. Profiles in Operations Research, 2014, , 205-242.	0.3	11
170	Facilitating Renewable Integration by Demand Response Demand response. Profiles in Operations Research, 2014, , 289-329.	0.3	2
171	Impact of Stochastic Renewable Energy Generation on Market Quantities. Profiles in Operations Research, 2014, , 173-203.	0.3	1
172	Renewable Energy Sourcesâ€™ Modeling and Forecasting. Profiles in Operations Research, 2014, , 15-56.	0.3	2
173	Early warnings of extreme winds using the ECMWF Extreme Forecast Index. Meteorological Applications, 2014, 21, 171-185.	0.9	17
174	Comments on: Space-time wind speed forecasting for improved power system dispatch. Test, 2014, 23, 26-29.	0.7	0
175	Electricity market clearing with improved scheduling of stochastic production. European Journal of Operational Research, 2014, 235, 765-774.	3.5	89
176	Probabilistic Forecasting of Wind Power Generation Using Extreme Learning Machine. IEEE Transactions on Power Systems, 2014, 29, 1033-1044.	4.6	575
177	Optimal Prediction Intervals of Wind Power Generation. IEEE Transactions on Power Systems, 2014, 29, 1166-1174.	4.6	269
178	Automatic Classification of Offshore Wind Regimes With Weather Radar Observations. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 116-125.	2.3	15
179	Discussion of â€œPrediction Intervals for Short-Term Wind Farm Generation Forecastsâ€ and â€œCombined Nonparametric Prediction Intervals for Wind Power Generationâ€ IEEE Transactions on Sustainable Energy, 2014, 5, 1019-1020.	5.9	27
180	Benefits and challenges of electrical demand response: A critical review. Renewable and Sustainable Energy Reviews, 2014, 39, 686-699.	8.2	429

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181	Guest Editorial: Special Section on Analytics for Energy Forecasting with Applications to Smart Grid. IEEE Transactions on Smart Grid, 2014, 5, 399-401.	6.2	6
182	Probabilistic Forecasts of Wind Power Generation Accounting for Geographically Dispersed Information. IEEE Transactions on Smart Grid, 2014, 5, 480-489.	6.2	98
183	Redefining the Merit Order of Stochastic Generation in Forward Markets. IEEE Transactions on Power Systems, 2014, 29, 992-993.	4.6	17
184	FLECH: A Danish market solution for DSO congestion management through DER flexibility services. Journal of Modern Power Systems and Clean Energy, 2014, 2, 126-133.	3.3	98
185	Trading wind energy on the basis of probabilistic forecasts both of wind generation and of market quantities. Wind Energy, 2013, 16, 909-926.	1.9	50
186	Chance-Constrained Optimization of Demand Response to Price Signals. IEEE Transactions on Smart Grid, 2013, 4, 2072-2080.	6.2	38
187	A comparison between the ECMWF and COSMO Ensemble Prediction Systems applied to short-term wind power forecasting on real data. Applied Energy, 2013, 107, 271-280.	5.1	80
188	Forecasting Electricity Spot Prices Accounting for Wind Power Predictions. IEEE Transactions on Sustainable Energy, 2013, 4, 210-218.	5.9	90
189	Pool Strategy of a Price-Maker Wind Power Producer. IEEE Transactions on Power Systems, 2013, 28, 3440-3450.	4.6	135
190	A bilevel model for electricity retailers' participation in a demand response market environment. Energy Economics, 2013, 36, 182-197.	5.6	258
191	Impact of Wind Power Generation on European Cross-Border Power Flows. IEEE Transactions on Power Systems, 2013, 28, 3566-3575.	4.6	22
192	Direct Interval Forecasting of Wind Power. IEEE Transactions on Power Systems, 2013, 28, 4877-4878.	4.6	103
193	Wind Energy: Forecasting Challenges for Its Operational Management. Statistical Science, 2013, 28, .	1.6	241
194	Controlling Electricity Consumption by Forecasting its Response to Varying Prices. IEEE Transactions on Power Systems, 2013, 28, 421-429.	4.6	96
195	Regime-based supervisory control to reduce power fluctuations from offshore wind power plants. , 2013, , .		1
196	The influence of the new ECMWF Ensemble Prediction System resolution on wind power forecast accuracy and uncertainty estimation. Advances in Science and Research, 2012, 8, 143-147.	1.0	9
197	A General Probabilistic Forecasting Framework for Offshore Wind Power Fluctuations. Energies, 2012, 5, 621-657.	1.6	37
198	Evaluating the quality of scenarios of short-term wind power generation. Applied Energy, 2012, 96, 12-20.	5.1	186

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199	A Transmission-Cost-Based Model to Estimate the Amount of Market-Integrable Wind Resources. IEEE Transactions on Power Systems, 2012, 27, 1060-1069.	4.6	28
200	Statistical analysis of the impact of wind power on market quantities and power flows. , 2012, , .		1
201	Adaptive calibration of $\langle u, v \rangle$ wind ensemble forecasts. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 1273-1284.	1.0	52
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