

Chongqing Kang

List of Publications by Year in descending order

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292
papers

16,869
citations

10986

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297
all docs

297
docs citations

297
times ranked

10048
citing authors

#	ARTICLE	IF	CITATIONS
1	Review of Smart Meter Data Analytics: Applications, Methodologies, and Challenges. IEEE Transactions on Smart Grid, 2019, 10, 3125-3148.	9.0	746
2	Increasing the Flexibility of Combined Heat and Power for Wind Power Integration in China: Modeling and Implications. IEEE Transactions on Power Systems, 2015, 30, 1848-1857.	6.5	459
3	Near-real-time monitoring of global CO2 emissions reveals the effects of the COVID-19 pandemic. Nature Communications, 2020, 11, 5172.	12.8	420
4	Robust Optimization-Based Resilient Distribution Network Planning Against Natural Disasters. IEEE Transactions on Smart Grid, 2016, 7, 2817-2826.	9.0	419
5	Review and prospect of integrated demand response in the multi-energy system. Applied Energy, 2017, 202, 772-782.	10.1	385
6	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.	9.0	341
7	Clustering of Electricity Consumption Behavior Dynamics Toward Big Data Applications. IEEE Transactions on Smart Grid, 2016, 7, 2437-2447.	9.0	265
8	Probabilistic individual load forecasting using pinball loss guided LSTM. Applied Energy, 2019, 235, 10-20.	10.1	265
9	Optimal Configuration Planning of Multi-Energy Systems Considering Distributed Renewable Energy. IEEE Transactions on Smart Grid, 2019, 10, 1452-1464.	9.0	246
10	A State-Independent Linear Power Flow Model With Accurate Estimation of Voltage Magnitude. IEEE Transactions on Power Systems, 2017, 32, 3607-3617.	6.5	221
11	Load profiling and its application to demand response: A review. Tsinghua Science and Technology, 2015, 20, 117-129.	6.1	212
12	A Linearized OPF Model With Reactive Power and Voltage Magnitude: A Pathway to Improve the MW-Only DC OPF. IEEE Transactions on Power Systems, 2018, 33, 1734-1745.	6.5	211
13	Modeling Conditional Forecast Error for Wind Power in Generation Scheduling. IEEE Transactions on Power Systems, 2014, 29, 1316-1324.	6.5	208
14	Exploring the trade-offs between electric heating policy and carbon mitigation in China. Nature Communications, 2020, 11, 6054.	12.8	198
15	Mixed-integer linear programming-based optimal configuration planning for energy hub: Starting from scratch. Applied Energy, 2018, 210, 1141-1150.	10.1	196
16	Low-Carbon Operation of Multiple Energy Systems Based on Energy-Carbon Integrated Prices. IEEE Transactions on Smart Grid, 2020, 11, 1307-1318.	9.0	192
17	Reducing curtailment of wind electricity in China by employing electric boilers for heat and pumped hydro for energy storage. Applied Energy, 2016, 184, 987-994.	10.1	186
18	Unit Commitment With Volatile Node Injections by Using Interval Optimization. IEEE Transactions on Power Systems, 2011, 26, 1705-1713.	6.5	185

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19	Power Generation Expansion Planning Model Towards Low-Carbon Economy and Its Application in China. IEEE Transactions on Power Systems, 2010, 25, 1117-1125.	6.5	183
20	The Role of Concentrating Solar Power Toward High Renewable Energy Penetrated Power Systems. IEEE Transactions on Power Systems, 2018, 33, 6630-6641.	6.5	183
21	Cooperation of Wind Power and Battery Storage to Provide Frequency Regulation in Power Markets. IEEE Transactions on Power Systems, 2017, 32, 3559-3568.	6.5	179
22	From demand response to integrated demand response: review and prospect of research and application. Protection and Control of Modern Power Systems, 2019, 4, .	7.5	176
23	A Novel Combined Data-Driven Approach for Electricity Theft Detection. IEEE Transactions on Industrial Informatics, 2019, 15, 1809-1819.	11.3	175
24	Carbon Emission Flow From Generation to Demand: A Network-Based Model. IEEE Transactions on Smart Grid, 2015, 6, 2386-2394.	9.0	173
25	Cloud energy storage for residential and small commercial consumers: A business case study. Applied Energy, 2017, 188, 226-236.	10.1	169
26	Standardized Matrix Modeling of Multiple Energy Systems. IEEE Transactions on Smart Grid, 2019, 10, 257-270.	9.0	164
27	An Ensemble Forecasting Method for the Aggregated Load With Subprofiles. IEEE Transactions on Smart Grid, 2018, 9, 3906-3908.	9.0	160
28	A Short-Term Wind Power Forecasting Approach With Adjustment of Numerical Weather Prediction Input by Data Mining. IEEE Transactions on Sustainable Energy, 2015, 6, 1283-1291.	8.8	152
29	Using Bayesian Deep Learning to Capture Uncertainty for Residential Net Load Forecasting. IEEE Transactions on Power Systems, 2020, 35, 188-201.	6.5	144
30	Combining Probabilistic Load Forecasts. IEEE Transactions on Smart Grid, 2019, 10, 3664-3674.	9.0	139
31	Probabilistic duck curve in high PV penetration power system: Concept, modeling, and empirical analysis in China. Applied Energy, 2019, 242, 205-215.	10.1	139
32	Deep Learning-Based Socio-Demographic Information Identification From Smart Meter Data. IEEE Transactions on Smart Grid, 2019, 10, 2593-2602.	9.0	138
33	Optimal bidding strategy for microgrids in joint energy and ancillary service markets considering flexible ramping products. Applied Energy, 2017, 205, 294-303.	10.1	134
34	Robust Two-Stage Regional-District Scheduling of Multi-carrier Energy Systems With a Large Penetration of Wind Power. IEEE Transactions on Sustainable Energy, 2019, 10, 1227-1239.	8.8	133
35	Modeling Carbon Emission Flow in Multiple Energy Systems. IEEE Transactions on Smart Grid, 2019, 10, 3562-3574.	9.0	130
36	Evaluating the Contribution of Energy Storages to Support Large-Scale Renewable Generation in Joint Energy and Ancillary Service Markets. IEEE Transactions on Sustainable Energy, 2016, 7, 808-818.	8.8	129

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37	Data-Driven Power Flow Linearization: A Regression Approach. IEEE Transactions on Smart Grid, 2019, 10, 2569-2580.	9.0	127
38	Optimal Offering Strategy for Concentrating Solar Power Plants in Joint Energy, Reserve and Regulation Markets. IEEE Transactions on Sustainable Energy, 2016, 7, 1245-1254.	8.8	126
39	Modeling Frequency Dynamics in Unit Commitment With a High Share of Renewable Energy. IEEE Transactions on Power Systems, 2020, 35, 4383-4395.	6.5	125
40	Low-Carbon Power System Dispatch Incorporating Carbon Capture Power Plants. IEEE Transactions on Power Systems, 2013, 28, 4615-4623.	6.5	122
41	Exploring Key Weather Factors From Analytical Modeling Toward Improved Solar Power Forecasting. IEEE Transactions on Smart Grid, 2019, 10, 1417-1427.	9.0	122
42	A Convex Model of Risk-Based Unit Commitment for Day-Ahead Market Clearing Considering Wind Power Uncertainty. IEEE Transactions on Power Systems, 2015, 30, 1582-1592.	6.5	121
43	A Cross-Domain Approach to Analyzing the Short-Run Impact of COVID-19 on the US Electricity Sector. Joule, 2020, 4, 2322-2337.	24.0	121
44	Incentivizing distributed energy resource aggregation in energy and capacity markets: An energy sharing scheme and mechanism design. Applied Energy, 2019, 252, 113471.	10.1	120
45	An Efficient Approach to Power System Uncertainty Analysis With High-Dimensional Dependencies. IEEE Transactions on Power Systems, 2018, 33, 2984-2994.	6.5	119
46	Effect of Natural Gas Flow Dynamics in Robust Generation Scheduling Under Wind Uncertainty. IEEE Transactions on Power Systems, 2018, 33, 2087-2097.	6.5	119
47	Decision-Making Models for the Participants in Cloud Energy Storage. IEEE Transactions on Smart Grid, 2018, 9, 5512-5521.	9.0	116
48	Planning Pumped Storage Capacity for Wind Power Integration. IEEE Transactions on Sustainable Energy, 2013, 4, 393-401.	8.8	113
49	Pathway toward carbon-neutral electrical systems in China by mid-century with negative CO2 abatement costs informed by high-resolution modeling. Joule, 2021, 5, 2715-2741.	24.0	112
50	Impact of High Renewable Penetration on the Power System Operation Mode: A Data-Driven Approach. IEEE Transactions on Power Systems, 2020, 35, 731-741.	6.5	111
51	Cost increase in the electricity supply to achieve carbon neutrality in China. Nature Communications, 2022, 13, .	12.8	111
52	Interaction between urban microclimate and electric air-conditioning energy consumption during high temperature season. Applied Energy, 2014, 117, 149-156.	10.1	108
53	Operation of a High Renewable Penetrated Power System With CSP Plants: A Look-Ahead Stochastic Unit Commitment Model. IEEE Transactions on Power Systems, 2019, 34, 140-151.	6.5	106
54	Sparse and Redundant Representation-Based Smart Meter Data Compression and Pattern Extraction. IEEE Transactions on Power Systems, 2017, 32, 2142-2151.	6.5	103

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55	Planning Multiple Energy Systems Toward Low-Carbon Society: A Decentralized Approach. IEEE Transactions on Smart Grid, 2019, 10, 4859-4869.	9.0	101
56	Modeling the Operation Mechanism of Combined P2G and Gas-Fired Plant With CO ₂ Recycling. IEEE Transactions on Smart Grid, 2019, 10, 1111-1121.	9.0	98
57	Decentralized Multi-Area Economic Dispatch via Dynamic Multiplier-Based Lagrangian Relaxation. IEEE Transactions on Power Systems, 2015, 30, 3225-3233.	6.5	96
58	On An Equivalent Representation of the Dynamics in District Heating Networks for Combined Electricity-Heat Operation. IEEE Transactions on Power Systems, 2020, 35, 560-570.	6.5	95
59	Carbon Emission Flow in Networks. Scientific Reports, 2012, 2, 479.	3.3	91
60	Automatic and linearized modeling of energy hub and its flexibility analysis. Applied Energy, 2018, 211, 705-714.	10.1	91
61	Electricity markets evolution with the changing generation mix: An empirical analysis based on China 2050 High Renewable Energy Penetration Roadmap. Applied Energy, 2017, 185, 56-67.	10.1	88
62	Preliminary exploration on low-carbon technology roadmap of China's power sector. Energy, 2011, 36, 1500-1512.	8.8	87
63	Linear three-phase power flow for unbalanced active distribution networks with PV nodes. CSEE Journal of Power and Energy Systems, 2017, 3, 321-324.	1.1	87
64	Optimal power flow based on successive linear approximation of power flow equations. IET Generation, Transmission and Distribution, 2016, 10, 3654-3662.	2.5	86
65	Optimal joint dispatch of energy and reserve for CCHP-based microgrids. IET Generation, Transmission and Distribution, 2017, 11, 785-794.	2.5	86
66	Embodied greenhouse gas emissions from building China's large-scale power transmission infrastructure. Nature Sustainability, 2021, 4, 739-747.	23.7	84
67	Secondary Forecasting Based on Deviation Analysis for Short-Term Load Forecasting. IEEE Transactions on Power Systems, 2011, 26, 500-507.	6.5	81
68	Transmission Expansion Planning Test System for AC/DC Hybrid Grid With High Variable Renewable Energy Penetration. IEEE Transactions on Power Systems, 2020, 35, 2597-2608.	6.5	80
69	Economic justification of concentrating solar power in high renewable energy penetrated power systems. Applied Energy, 2018, 222, 649-661.	10.1	76
70	Modeling Flexible Operation Mechanism of CO ₂ Capture Power Plant and Its Effects on Power-System Operation. IEEE Transactions on Energy Conversion, 2010, 25, 853-861.	5.2	75
71	Dependent Discrete Convolution Based Probabilistic Load Flow for the Active Distribution System. IEEE Transactions on Sustainable Energy, 2017, 8, 1000-1009.	8.8	75
72	Optimal Flexible Operation of a CO ₂ Capture Power Plant in a Combined Energy and Carbon Emission Market. IEEE Transactions on Power Systems, 2012, 27, 1602-1609.	6.5	73

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73	Power market reform in China: Motivations, progress, and recommendations. Energy Policy, 2020, 145, 111717.	8.8	73
74	Steady-State Power Flow Model of Energy Router Embedded AC Network and Its Application in Optimizing Power System Operation. IEEE Transactions on Smart Grid, 2018, 9, 4828-4837.	9.0	72
75	On Normality Assumption in Residual Simulation for Probabilistic Load Forecasting. IEEE Transactions on Smart Grid, 2017, 8, 1046-1053.	9.0	70
76	Corrective receding horizon scheduling of flexible distributed multi-energy microgrids. Applied Energy, 2017, 207, 176-194.	10.1	70
77	Introducing Uncertainty Components in Locational Marginal Prices for Pricing Wind Power and Load Uncertainties. IEEE Transactions on Power Systems, 2019, 34, 2013-2024.	6.5	70
78	Optimal Power Flow in AC-DC Grids With Discrete Control Devices. IEEE Transactions on Power Systems, 2018, 33, 1461-1472.	6.5	68
79	Multienergy Networks Analytics: Standardized Modeling, Optimization, and Low Carbon Analysis. Proceedings of the IEEE, 2020, 108, 1411-1436.	21.3	68
80	Smart grid encounters edge computing: opportunities and applications. Advances in Applied Energy, 2021, 1, 100006.	13.2	68
81	Optimal Reactive Power Dispatch With Accurately Modeled Discrete Control Devices: A Successive Linear Approximation Approach. IEEE Transactions on Power Systems, 2017, 32, 2435-2444.	6.5	67
82	Transmission Planning With Battery-Based Energy Storage Transportation For Power Systems With High Penetration of Renewable Energy. IEEE Transactions on Power Systems, 2021, 36, 4928-4940.	6.5	66
83	Modeling Strategic Behaviors of Renewable Energy With Joint Consideration on Energy and Tradable Green Certificate Markets. IEEE Transactions on Power Systems, 2020, 35, 1898-1910.	6.5	64
84	Incentive Mechanism for Clearing Energy and Reserve Markets in Multi-Area Power Systems. IEEE Transactions on Sustainable Energy, 2020, 11, 2470-2482.	8.8	64
85	A High-Efficiency Network-Constrained Clustered Unit Commitment Model for Power System Planning Studies. IEEE Transactions on Power Systems, 2019, 34, 2498-2508.	6.5	63
86	Clustering-Based Residential Baseline Estimation: A Probabilistic Perspective. IEEE Transactions on Smart Grid, 2019, 10, 6014-6028.	9.0	62
87	Balance of Power: Toward a More Environmentally Friendly, Efficient, and Effective Integration of Energy Systems in China. IEEE Power and Energy Magazine, 2013, 11, 56-64.	1.6	61
88	Planning multiple energy systems for low-carbon districts with high penetration of renewable energy: An empirical study in China. Applied Energy, 2020, 261, 114390.	10.1	61
89	Dynamic Economic Dispatch Considering Transmission Losses Using Quadratically Constrained Quadratic Program Method. IEEE Transactions on Power Systems, 2013, 28, 2232-2241.	6.5	60
90	Incorporating Massive Scenarios in Transmission Expansion Planning With High Renewable Energy Penetration. IEEE Transactions on Power Systems, 2020, 35, 1061-1074.	6.5	58

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91	Estimating the Robust P-Q Capability of a Technical Virtual Power Plant Under Uncertainties. IEEE Transactions on Power Systems, 2020, 35, 4285-4296.	6.5	56
92	Smart Metering Load Data Compression Based on Load Feature Identification. IEEE Transactions on Smart Grid, 2016, 7, 2414-2422.	9.0	55
93	Incentive mechanism for sharing distributed energy resources. Journal of Modern Power Systems and Clean Energy, 2019, 7, 837-850.	5.4	55
94	Planning Low-Carbon Campus Energy Hubs. IEEE Transactions on Power Systems, 2019, 34, 1895-1907.	6.5	54
95	Steady-state security assessment method based on distance to security region boundaries. IET Generation, Transmission and Distribution, 2013, 7, 288-297.	2.5	53
96	Assessing the low-carbon effects of inter-regional energy delivery in China's electricity sector. Renewable and Sustainable Energy Reviews, 2014, 32, 671-683.	16.4	52
97	Optimal Transmission Switching With Short-Circuit Current Limitation Constraints. IEEE Transactions on Power Systems, 2016, 31, 1278-1288.	6.5	51
98	Energy-saving generation dispatch toward a sustainable electric power industry in China. Energy Policy, 2015, 83, 14-25.	8.8	50
99	LMP Revisited: A Linear Model for the Loss-Embedded LMP. IEEE Transactions on Power Systems, 2017, 32, 4080-4090.	6.5	50
100	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
101	Solving OPF using linear approximations: fundamental analysis and numerical demonstration. IET Generation, Transmission and Distribution, 2017, 11, 4115-4125.	2.5	48
102	Reliability Value of Distributed Solar+Storage Systems Amidst Rare Weather Events. IEEE Transactions on Smart Grid, 2019, 10, 4476-4486.	9.0	47
103	Embedding based quantile regression neural network for probabilistic load forecasting. Journal of Modern Power Systems and Clean Energy, 2018, 6, 244-254.	5.4	46
104	Enforcing Intra-Regional Constraints in Tie-Line Scheduling: A Projection-Based Framework. IEEE Transactions on Power Systems, 2019, 34, 4751-4761.	6.5	46
105	Managing Wind Power Uncertainty Through Strategic Reserve Purchasing. IEEE Transactions on Power Systems, 2017, 32, 2547-2559.	6.5	45
106	Tri-Level Expansion Planning for Transmission Networks and Distributed Energy Resources Considering Transmission Cost Allocation. IEEE Transactions on Sustainable Energy, 2018, 9, 1844-1856.	8.8	45
107	Matrix modeling of energy hub with variable energy efficiencies. International Journal of Electrical Power and Energy Systems, 2020, 119, 105876.	5.5	45
108	A novel network model for optimal power flow with reactive power and network losses. Electric Power Systems Research, 2017, 144, 63-71.	3.6	44

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109	A monthly electricity consumption forecasting method based on vector error correction model and self-adaptive screening method. International Journal of Electrical Power and Energy Systems, 2018, 95, 427-439.	5.5	44
110	Resilience Oriented Planning of Urban Multi-Energy Systems With Generalized Energy Storage Sources. IEEE Transactions on Power Systems, 2022, 37, 2906-2918.	6.5	44
111	Probabilistic Peak Load Estimation in Smart Cities Using Smart Meter Data. IEEE Transactions on Industrial Electronics, 2019, 66, 1608-1618.	7.9	43
112	Reliability and Vulnerability Assessment of Multi-Energy Systems: An Energy Hub Based Method. IEEE Transactions on Power Systems, 2021, 36, 3948-3959.	6.5	43
113	Improving the Accuracy of Bus Load Forecasting by a Two-Stage Bad Data Identification Method. IEEE Transactions on Power Systems, 2014, 29, 1634-1641.	6.5	42
114	A decomposition method for network-constrained unit commitment with AC power flow constraints. Energy, 2015, 88, 595-603.	8.8	42
115	Distributed real-time demand response based on Lagrangian multiplier optimal selection approach. Applied Energy, 2017, 190, 949-959.	10.1	42
116	Analysis of transmission expansion planning considering consumption-based carbon emission accounting. Applied Energy, 2017, 193, 232-242.	10.1	41
117	Copula Based Dependent Discrete Convolution for Power System Uncertainty Analysis. IEEE Transactions on Power Systems, 2016, 31, 5204-5205.	6.5	40
118	Evaluating the Dispatchable Capacity of Base Station Backup Batteries in Distribution Networks. IEEE Transactions on Smart Grid, 2021, 12, 3966-3979.	9.0	40
119	Pool equilibria including strategic storage. Applied Energy, 2016, 177, 260-270.	10.1	39
120	A blockchain consensus mechanism that uses Proof of Solution to optimize energy dispatch and trading. Nature Energy, 2022, 7, 495-502.	39.5	39
121	Integrated Energy Systems for Higher Wind Penetration in China: Formulation, Implementation and Impacts. IEEE Transactions on Power Systems, 2017, , 1-1.	6.5	38
122	Big Data Analytics in China's Electric Power Industry: Modern Information, Communication Technologies, and Millions of Smart Meters. IEEE Power and Energy Magazine, 2018, 16, 54-65.	1.6	38
123	Economic Benefits of Integrating Solar-Powered Heat Pumps Into a CHP System. IEEE Transactions on Sustainable Energy, 2018, 9, 1702-1712.	8.8	37
124	Large-scale aggregation of prosumers toward strategic bidding in joint energy and regulation markets. Applied Energy, 2020, 271, 115159.	10.1	37
125	Decentralized Intraday Generation Scheduling for Multiarea Power Systems via Dynamic Multiplier-Based Lagrangian Relaxation. IEEE Transactions on Power Systems, 2017, 32, 454-463.	6.5	35
126	Harnessing Flexibility from Hot and Cold: Heat Storage and Hybrid Systems Can Play a Major Role. IEEE Power and Energy Magazine, 2017, 15, 25-33.	1.6	35

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127	Coordination of Generation Maintenance Scheduling in Electricity Markets. IEEE Transactions on Power Systems, 2016, 31, 4565-4574.	6.5	34
128	Scenario Map Based Stochastic Unit Commitment. IEEE Transactions on Power Systems, 2018, 33, 4694-4705.	6.5	34
129	Neural-network-based Lagrange multiplier selection for distributed demand response in smart grid. Applied Energy, 2020, 264, 114636.	10.1	34
130	Zonal marginal pricing approach based on sequential network partition and congestion contribution identification. International Journal of Electrical Power and Energy Systems, 2013, 51, 321-328.	5.5	33
131	Integrated dispatch of generation and load: A pathway towards smart grids. Electric Power Systems Research, 2015, 120, 206-213.	3.6	33
132	A Data-Driven Approach to Linearize Power Flow Equations Considering Measurement Noise. IEEE Transactions on Smart Grid, 2020, 11, 2576-2587.	9.0	33
133	Optimal operating strategy and revenue estimates for the arbitrage of a vanadium redox flow battery considering dynamic efficiencies and capacity loss. IET Generation, Transmission and Distribution, 2016, 10, 1278-1285.	2.5	32
134	Situation awareness of electricity-gas coupled systems with a multi-port equivalent gas network model. Applied Energy, 2020, 258, 114029.	10.1	31
135	Optimal operation strategy for distributed battery aggregator providing energy and ancillary services. Journal of Modern Power Systems and Clean Energy, 2018, 6, 722-732.	5.4	30
136	Optimal Planning Strategy for Distributed Energy Resources Considering Structural Transmission Cost Allocation. IEEE Transactions on Smart Grid, 2018, 9, 5236-5248.	9.0	30
137	Market Power Mitigation Clearing Mechanism Based on Constrained Bidding Capacities. IEEE Transactions on Power Systems, 2019, 34, 4817-4827.	6.5	30
138	Input-output table of electricity demand and its application. Energy, 2010, 35, 326-331.	8.8	29
139	A Game Theoretical Pricing Mechanism for Multi-Area Spinning Reserve Trading Considering Wind Power Uncertainty. IEEE Transactions on Power Systems, 2016, 31, 1084-1095.	6.5	29
140	Modelling and Simulating the Spatio-Temporal Correlations of Clustered Wind Power Using Copula. Journal of Electrical Engineering and Technology, 2013, 8, 1615-1625.	2.0	29
141	An Efficient Decomposition Method for the Integrated Dispatch of Generation and Load. IEEE Transactions on Power Systems, 2015, 30, 2923-2933.	6.5	28
142	A Probabilistic Method for Determining Grid-Accommodable Wind Power Capacity Based on Multiscenario System Operation Simulation. IEEE Transactions on Smart Grid, 2016, 7, 400-409.	9.0	28
143	Month ahead average daily electricity price profile forecasting based on a hybrid nonlinear regression and SVM model: an ERCOT case study. Journal of Modern Power Systems and Clean Energy, 2018, 6, 281-291.	5.4	28
144	Estimating the Wind Power Integration Threshold Considering Electro-Thermal Coupling of Overhead Transmission Lines. IEEE Transactions on Power Systems, 2019, 34, 3349-3358.	6.5	28

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145	Enhancing the power grid flexibility with battery energy storage transportation and transmission switching. Applied Energy, 2021, 290, 116692.	10.1	28
146	Synergies of Wind Power and Electrified Space Heating: Case Study for Beijing. Environmental Science & Technology, 2014, 48, 2016-2024.	10.0	27
147	Incentive compatible pool-based electricity market design and implementation: A Bayesian mechanism design approach. Applied Energy, 2015, 158, 508-518.	10.1	27
148	MPLP-Based Fast Power System Reliability Evaluation Using Transmission Line Status Dictionary. IEEE Transactions on Power Systems, 2019, 34, 1630-1640.	6.5	27
149	Robust Transmission Expansion Planning Based on Adaptive Uncertainty Set Optimization Under High-Penetration Wind Power Generation. IEEE Transactions on Power Systems, 2021, 36, 2798-2814.	6.5	27
150	Security assessment approach based on the steady-state security distance. IET Generation, Transmission and Distribution, 2015, 9, 2419-2426.	2.5	26
151	Cross-domain feature selection and coding for household energy behavior. Energy, 2016, 107, 9-16.	8.8	26
152	GAN-based Model for Residential Load Generation Considering Typical Consumption Patterns. , 2019, , .		26
153	Demand side management in China. , 2010, , .		25
154	Rigorous model for evaluating wind power capacity credit. IET Renewable Power Generation, 2013, 7, 504-513.	3.1	25
155	SIMULATION METHODOLOGY OF MULTIPLE WIND FARMS OPERATION CONSIDERING WIND SPEED CORRELATION. International Journal of Power and Energy Systems, 2010, 30, .	0.2	25
156	Transmission network expansion planning with embedded constraints of short circuit currents and N-1 security. Journal of Modern Power Systems and Clean Energy, 2015, 3, 312-320.	5.4	24
157	A Structural Transmission Cost Allocation Scheme Based on Capacity Usage Identification. IEEE Transactions on Power Systems, 2016, 31, 2876-2884.	6.5	24
158	Electricity production scheduling under uncertainty: Max social welfare vs. min emission vs. max renewable production. Applied Energy, 2017, 193, 540-549.	10.1	24
159	Sparse Oblique Decision Tree for Power System Security Rules Extraction and Embedding. IEEE Transactions on Power Systems, 2021, 36, 1605-1615.	6.5	24
160	Analysis on demand-side interactive response capability for power system dispatch in a smart grid framework. Electric Power Systems Research, 2012, 90, 11-17.	3.6	22
161	Fundamental Review of the OPF Problem: Challenges, Solutions, and State-of-the-Art Algorithms. Journal of Energy Engineering - ASCE, 2018, 144, .	1.9	22
162	Electricity wholesale market equilibrium analysis integrating individual risk-averse features of generation companies. Applied Energy, 2019, 252, 113443.	10.1	22

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163	Fast Power System Cascading Failure Path Searching With High Wind Power Penetration. IEEE Transactions on Sustainable Energy, 2020, 11, 2274-2283.	8.8	22
164	A Confidence-Aware Machine Learning Framework for Dynamic Security Assessment. IEEE Transactions on Power Systems, 2021, 36, 3907-3920.	6.5	22
165	Modeling frequency response dynamics in power system scheduling. Electric Power Systems Research, 2020, 189, 106549.	3.6	21
166	Bounding Regression Errors in Data-Driven Power Grid Steady-State Models. IEEE Transactions on Power Systems, 2021, 36, 1023-1033.	6.5	21
167	Role of compressed air energy storage in urban integrated energy systems with increasing wind penetration. Renewable and Sustainable Energy Reviews, 2022, 160, 112203.	16.4	21
168	Distribution Pricing: Are We Ready for the Smart Grid?. IEEE Power and Energy Magazine, 2015, 13, 76-86.	1.6	20
169	A Nash-Cournot approach to assessing flexible ramping products. Applied Energy, 2017, 206, 42-50.	10.1	20
170	Steady-state security region of energy hub: Modeling, calculation, and applications. International Journal of Electrical Power and Energy Systems, 2021, 125, 106551.	5.5	20
171	Searching for Critical Power System Cascading Failures With Graph Convolutional Network. IEEE Transactions on Control of Network Systems, 2021, 8, 1304-1313.	3.7	20
172	Dynamic queuing approach to power system short term economic and security dispatch. IEEE Transactions on Power Systems, 1998, 13, 280-285.	6.5	19
173	Sequence operation theory and its application in power system reliability evaluation. Reliability Engineering and System Safety, 2002, 78, 101-109.	8.9	19
174	Coordination of generation maintenance scheduling and long-term SCUC with energy constraints and $N+1$ contingencies. IET Generation, Transmission and Distribution, 2016, 10, 325-333.	2.5	19
175	Market equilibrium analysis with high penetration of renewables and gas-fired generation: An empirical case of the Beijing-Tianjin-Tangshan power system. Applied Energy, 2018, 227, 384-392.	10.1	19
176	Efficiency Loss for Variable Renewable Energy Incurred by Competition in Electricity Markets. IEEE Transactions on Sustainable Energy, 2020, 11, 1951-1964.	8.8	19
177	A Data-Driven Pattern Extraction Method for Analyzing Bidding Behaviors in Power Markets. IEEE Transactions on Smart Grid, 2020, 11, 3509-3521.	9.0	19
178	Novel approach considering load-relative factors in short-term load forecasting. Electric Power Systems Research, 2004, 70, 99-107.	3.6	18
179	An algorithm for practical power curve estimation of wind turbines. CSEE Journal of Power and Energy Systems, 2018, 4, 93-102.	1.1	18
180	Deep Inverse Reinforcement Learning for Objective Function Identification in Bidding Models. IEEE Transactions on Power Systems, 2021, 36, 5684-5696.	6.5	18

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