

Ning Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7356042/publications.pdf>

Version: 2024-02-01

178
papers

9,358
citations

28274

55
h-index

46799

89
g-index

184
all docs

184
docs citations

184
times ranked

5478
citing authors

#	ARTICLE	IF	CITATIONS
1	Probabilistic individual load forecasting using pinball loss guided LSTM. Applied Energy, 2019, 235, 10-20.	10.1	265
2	A Secure Charging Scheme for Electric Vehicles With Smart Communities in Energy Blockchain. IEEE Internet of Things Journal, 2019, 6, 4601-4613.	8.7	247
3	Optimal Configuration Planning of Multi-Energy Systems Considering Distributed Renewable Energy. IEEE Transactions on Smart Grid, 2019, 10, 1452-1464.	9.0	246
4	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
5	Modeling Conditional Forecast Error for Wind Power in Generation Scheduling. IEEE Transactions on Power Systems, 2014, 29, 1316-1324.	6.5	208
6	Mixed-integer linear programming-based optimal configuration planning for energy hub: Starting from scratch. Applied Energy, 2018, 210, 1141-1150.	10.1	196
7	Data-Driven Probabilistic Net Load Forecasting With High Penetration of Behind-the-Meter PV. IEEE Transactions on Power Systems, 2018, 33, 3255-3264.	6.5	194
8	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
9	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
10	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
11	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
12	Cloud energy storage for residential and small commercial consumers: A business case study. Applied Energy, 2017, 188, 226-236.	10.1	169
13	Standardized Matrix Modeling of Multiple Energy Systems. IEEE Transactions on Smart Grid, 2019, 10, 257-270.	9.0	164
14	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
15	Coupon-Based Demand Response Considering Wind Power Uncertainty: A Strategic Bidding Model for Load Serving Entities. IEEE Transactions on Power Systems, 2016, 31, 1025-1037.	6.5	151
16	Combining Probabilistic Load Forecasts. IEEE Transactions on Smart Grid, 2019, 10, 3664-3674.	9.0	139
17	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
18	Day-ahead coordinated operation of utility-scale electricity and natural gas networks considering demand response based virtual power plants. Applied Energy, 2016, 176, 183-195.	10.1	134

#	ARTICLE	IF	CITATIONS
19	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
20	Unit Commitment Model in Smart Grid Environment Considering Carbon Emissions Trading. IEEE Transactions on Smart Grid, 2016, 7, 420-427.	9.0	132
21	Temporary Frequency Support of a DFIG for High Wind Power Penetration. IEEE Transactions on Power Systems, 2018, 33, 3428-3437.	6.5	130
22	Modeling Carbon Emission Flow in Multiple Energy Systems. IEEE Transactions on Smart Grid, 2019, 10, 3562-3574.	9.0	130
23	Data-Driven Power Flow Linearization: A Regression Approach. IEEE Transactions on Smart Grid, 2019, 10, 2569-2580.	9.0	127
24	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
25	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
26	A General Formulation of Linear Power Flow Models: Basic Theory and Error Analysis. IEEE Transactions on Power Systems, 2019, 34, 1315-1324.	6.5	121
27	An Efficient Approach to Power System Uncertainty Analysis With High-Dimensional Dependencies. IEEE Transactions on Power Systems, 2018, 33, 2984-2994.	6.5	119
28	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
29	Decision-Making Models for the Participants in Cloud Energy Storage. IEEE Transactions on Smart Grid, 2018, 9, 5512-5521.	9.0	116
30	Planning Pumped Storage Capacity for Wind Power Integration. IEEE Transactions on Sustainable Energy, 2013, 4, 393-401.	8.8	113
31	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
32	Topology Identification and Line Parameter Estimation for Non-PMU Distribution Network: A Numerical Method. IEEE Transactions on Smart Grid, 2020, 11, 4440-4453.	9.0	111
33	Cost increase in the electricity supply to achieve carbon neutrality in China. Nature Communications, 2022, 13, .	12.8	111
34	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
35	Planning Multiple Energy Systems Toward Low-Carbon Society: A Decentralized Approach. IEEE Transactions on Smart Grid, 2019, 10, 4859-4869.	9.0	101
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	Automatic and linearized modeling of energy hub and its flexibility analysis. Applied Energy, 2018, 211, 705-714.	10.1	91
39	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
40	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
41	A fuzzy chance-constrained program for unit commitment problem considering demand response, electric vehicle and wind power. International Journal of Electrical Power and Energy Systems, 2015, 65, 201-209.	5.5	79
42	Economic justification of concentrating solar power in high renewable energy penetrated power systems. Applied Energy, 2018, 222, 649-661.	10.1	76
43	Dependent Discrete Convolution Based Probabilistic Load Flow for the Active Distribution System. IEEE Transactions on Sustainable Energy, 2017, 8, 1000-1009.	8.8	75
44	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
45	Corrective receding horizon scheduling of flexible distributed multi-energy microgrids. Applied Energy, 2017, 207, 176-194.	10.1	70
46	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
47	Harmonious Integration of Faster-Acting Energy Storage Systems Into Frequency Control Reserves in Power Grid With High Renewable Generation. IEEE Transactions on Power Systems, 2018, 33, 6193-6205.	6.5	69
48	Multienergy Networks Analytics: Standardized Modeling, Optimization, and Low Carbon Analysis. Proceedings of the IEEE, 2020, 108, 1411-1436.	21.3	68
49	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
50	Conditional Residual Modeling for Probabilistic Load Forecasting. IEEE Transactions on Power Systems, 2018, 33, 7327-7330.	6.5	66
51	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
52	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
53	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
54	The Dual Control With Consideration of Security Operation and Economic Efficiency for Energy Hub. IEEE Transactions on Smart Grid, 2019, 10, 5930-5941.	9.0	59

#	ARTICLE	IF	CITATIONS
55	Incorporating Massive Scenarios in Transmission Expansion Planning With High Renewable Energy Penetration. IEEE Transactions on Power Systems, 2020, 35, 1061-1074.	6.5	58
56	Strategic scheduling of energy storage for load serving entities in locational marginal pricing market. IET Generation, Transmission and Distribution, 2016, 10, 1258-1267.	2.5	56
57	Distributionally-robust chance constrained and interval optimization for integrated electricity and natural gas systems optimal power flow with wind uncertainties. Applied Energy, 2019, 252, 113420.	10.1	56
58	Coordinated Operation of Concentrated Solar Power and Wind Resources for the Provision of Energy and Reserve Services. IEEE Transactions on Power Systems, 2016, , 1-1.	6.5	55
59	Planning Low-Carbon Campus Energy Hubs. IEEE Transactions on Power Systems, 2019, 34, 1895-1907.	6.5	54
60	An integrated source-grid-load planning model at the macro level: Case study for China's power sector. Energy, 2017, 126, 231-246.	8.8	53
61	Two-Stage Decoupled Estimation Approach of Aggregated Baseline Load Under High Penetration of Behind-the-Meter PV System. IEEE Transactions on Smart Grid, 2021, 12, 4876-4885.	9.0	53
62	A trusted energy trading framework by marrying blockchain and optimization. Advances in Applied Energy, 2021, 2, 100029.	13.2	53
63	LMP Revisited: A Linear Model for the Loss-Embedded LMP. IEEE Transactions on Power Systems, 2017, 32, 4080-4090.	6.5	50
64	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
65	Managing Wind Power Uncertainty Through Strategic Reserve Purchasing. IEEE Transactions on Power Systems, 2017, 32, 2547-2559.	6.5	45
66	Matrix modeling of energy hub with variable energy efficiencies. International Journal of Electrical Power and Energy Systems, 2020, 119, 105876.	5.5	45
67	Profit-Sharing Mechanism for Aggregation of Wind Farms and Concentrating Solar Power. IEEE Transactions on Sustainable Energy, 2020, 11, 2606-2616.	8.8	45
68	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
69	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
70	Analysis of transmission expansion planning considering consumption-based carbon emission accounting. Applied Energy, 2017, 193, 232-242.	10.1	41
71	Combining Probability Density Forecasts for Power Electrical Loads. IEEE Transactions on Smart Grid, 2020, 11, 1679-1690.	9.0	41
72	Load probability density forecasting by transforming and combining quantile forecasts. Applied Energy, 2020, 277, 115600.	10.1	41

#	ARTICLE	IF	CITATIONS
73	Copula Based Dependent Discrete Convolution for Power System Uncertainty Analysis. IEEE Transactions on Power Systems, 2016, 31, 5204-5205.	6.5	40
74	On the explosion limit of syngas with CO ₂ and H ₂ O additions. International Journal of Hydrogen Energy, 2018, 43, 3317-3329.	7.1	40
75	Decentralized wind uncertainty management: Alternating direction method of multipliers based distributionally-robust chance constrained optimal power flow. Applied Energy, 2019, 239, 938-947.	10.1	40
76	Evaluating the Dispatchable Capacity of Base Station Backup Batteries in Distribution Networks. IEEE Transactions on Smart Grid, 2021, 12, 3966-3979.	9.0	40
77	A blockchain consensus mechanism that uses Proof of Solution to optimize energy dispatch and trading. Nature Energy, 2022, 7, 495-502.	39.5	39
78	Modelling wind power spatial-temporal correlation in multi-interval optimal power flow: A sparse correlation matrix approach. Applied Energy, 2018, 230, 531-539.	10.1	37
79	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
80	Scenario Map Based Stochastic Unit Commitment. IEEE Transactions on Power Systems, 2018, 33, 4694-4705.	6.5	34
81	Distributed Adaptive Dual Control via Consensus Algorithm in the Energy Internet. IEEE Transactions on Industrial Informatics, 2021, 17, 4848-4860.	11.3	34
82	A Data-Driven Approach to Linearize Power Flow Equations Considering Measurement Noise. IEEE Transactions on Smart Grid, 2020, 11, 2576-2587.	9.0	33
83	Situation awareness of electricity-gas coupled systems with a multi-port equivalent gas network model. Applied Energy, 2020, 258, 114029.	10.1	31
84	A two-stage multi-objective optimal scheduling in the integrated energy system with We-Energy modeling. Energy, 2021, 215, 119121.	8.8	30
85	Frequency-Constrained Resilient Scheduling of Microgrid: A Distributionally Robust Approach. IEEE Transactions on Smart Grid, 2021, 12, 4914-4925.	9.0	30
86	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
87	Deliverable Flexible Ramping Products Considering Spatiotemporal Correlation of Wind Generation and Demand Uncertainties. IEEE Transactions on Power Systems, 2020, 35, 2561-2574.	6.5	29
88	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
89	Modeling Hydrogen Supply Chain in Renewable Electric Energy System Planning. IEEE Transactions on Industry Applications, 2022, 58, 2780-2791.	4.9	29
90	A feature extraction and machine learning framework for bearing fault diagnosis. Renewable Energy, 2022, 191, 987-997.	8.9	29

#	ARTICLE	IF	CITATIONS
91	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
92	Modeling load forecast uncertainty using generative adversarial networks. Electric Power Systems Research, 2020, 189, 106732.	3.6	28
93	Enhancing the power grid flexibility with battery energy storage transportation and transmission switching. Applied Energy, 2021, 290, 116692.	10.1	28
94	MPLP-Based Fast Power System Reliability Evaluation Using Transmission Line Status Dictionary. IEEE Transactions on Power Systems, 2019, 34, 1630-1640.	6.5	27
95	Enhancing short-term probabilistic residential load forecasting with quantile long-term memory. Journal of Engineering, 2017, 2017, 2622-2627.	1.1	26
96	A parallel meta-heuristic method for solving large scale unit commitment considering the integration of new energy sectors. Energy, 2022, 238, 121829.	8.8	26
97	Rigorous model for evaluating wind power capacity credit. IET Renewable Power Generation, 2013, 7, 504-513.	3.1	25
98	Low-carbon benefits analysis of energy-intensive industrial demand response resources for ancillary services. Journal of Modern Power Systems and Clean Energy, 2015, 3, 131-138.	5.4	25
99	Influence of Flue Gas Desulfurization Gypsum Amendments on Heavy Metal Distribution in Reclaimed Sodic Soils. Environmental Engineering Science, 2015, 32, 470-478.	1.6	25
100	Strategic CBDR bidding considering FTR and wind power. IET Generation, Transmission and Distribution, 2016, 10, 2464-2474.	2.5	25
101	SIMULATION METHODOLOGY OF MULTIPLE WIND FARMS OPERATION CONSIDERING WIND SPEED CORRELATION. International Journal of Power and Energy Systems, 2010, 30, .	0.2	25
102	Investigating the impact of demand side management on residential customers. , 2011, , .		24
103	Sparse Oblique Decision Tree for Power System Security Rules Extraction and Embedding. IEEE Transactions on Power Systems, 2021, 36, 1605-1615.	6.5	24
104	Enabling a Transactive Distribution System via Real-Time Distributed Optimization. IEEE Transactions on Smart Grid, 2019, 10, 4907-4917.	9.0	23
105	Cramer-Rao Bounds and Coherence Performance Analysis for Next Generation Radar with Pulse Trains. Sensors, 2013, 13, 5347-5367.	3.8	22
106	Fast Power System Cascading Failure Path Searching With High Wind Power Penetration. IEEE Transactions on Sustainable Energy, 2020, 11, 2274-2283.	8.8	22
107	A Confidence-Aware Machine Learning Framework for Dynamic Security Assessment. IEEE Transactions on Power Systems, 2021, 36, 3907-3920.	6.5	22
108	Available transfer capability evaluation in a deregulated electricity market considering correlated wind power. IET Generation, Transmission and Distribution, 2018, 12, 53-61.	2.5	21

#	ARTICLE	IF	CITATIONS
109	Modeling frequency response dynamics in power system scheduling. <i>Electric Power Systems Research</i> , 2020, 189, 106549.	3.6	21
110	Bounding Regression Errors in Data-Driven Power Grid Steady-State Models. <i>IEEE Transactions on Power Systems</i> , 2021, 36, 1023-1033.	6.5	21
111	Role of compressed air energy storage in urban integrated energy systems with increasing wind penetration. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 160, 112203.	16.4	21
112	Steady-state security region of energy hub: Modeling, calculation, and applications. <i>International Journal of Electrical Power and Energy Systems</i> , 2021, 125, 106551.	5.5	20
113	Power system planning with high renewable energy penetration considering demand response. <i>Global Energy Interconnection</i> , 2021, 4, 69-80.	2.3	20
114	Searching for Critical Power System Cascading Failures With Graph Convolutional Network. <i>IEEE Transactions on Control of Network Systems</i> , 2021, 8, 1304-1313.	3.7	20
115	A new power system active rescheduling method considering the dispatchable plug-in electric vehicles and intermittent renewable energies. <i>Applied Energy</i> , 2022, 314, 118715.	10.1	19
116	Beijing subsidiary administrative center multi-energy systems: An optimal configuration planning. <i>Electric Power Systems Research</i> , 2020, 179, 106082.	3.6	17
117	Embedding scrapping criterion and degradation model in optimal operation of peak-shaving lithium-ion battery energy storage. <i>Applied Energy</i> , 2020, 278, 115601.	10.1	17
118	Distribution Network Admittance Matrix Estimation With Linear Regression. <i>IEEE Transactions on Power Systems</i> , 2021, 36, 4896-4899.	6.5	17
119	Analysis of power transfer limit considering thermal balance of overhead conductor. <i>IET Generation, Transmission and Distribution</i> , 2015, 9, 2007-2013.	2.5	16
120	A Cost-Sharing Approach for Decentralized Electricity-Heat Operation With Renewables. <i>IEEE Transactions on Sustainable Energy</i> , 2020, 11, 1838-1847.	8.8	16
121	Priority-Driven Self-Optimizing Power Control Scheme for Interlinking Converters of Hybrid AC/DC Microgrid Clusters in Decentralized Manner. <i>IEEE Transactions on Power Electronics</i> , 2022, 37, 5970-5983.	7.9	16
122	An Efficient Power System Planning Model Considering Year-Round Hourly Operation Simulation. <i>IEEE Transactions on Power Systems</i> , 2022, 37, 4925-4935.	6.5	16
123	Feature selection for probabilistic load forecasting via sparse penalized quantile regression. <i>Journal of Modern Power Systems and Clean Energy</i> , 2019, 7, 1200-1209.	5.4	15
124	Adjustable and distributionally robust chance-constrained economic dispatch considering wind power uncertainty. <i>Journal of Modern Power Systems and Clean Energy</i> , 2019, 7, 658-664.	5.4	15
125	Aggregating Distributed Energy Storage: Cloud-Based Flexibility Services From China. <i>IEEE Power and Energy Magazine</i> , 2021, 19, 63-73.	1.6	15
126	A clustering-based scenario generation framework for power market simulation with wind integration. <i>Journal of Renewable and Sustainable Energy</i> , 2020, 12, 036301.	2.0	14

#	ARTICLE	IF	CITATIONS
127	Backcasting Technical and Policy Targets for Constructing Low-Carbon Power Systems. IEEE Transactions on Power Systems, 2022, 37, 4896-4911.	6.5	14
128	Mid-short-term risk assessment of power systems considering impact of external environment. Journal of Modern Power Systems and Clean Energy, 2013, 1, 118-126.	5.4	13
129	Techno-economic analysis of contingency reserve allocation scheme for combined UHV DC and AC receiving-end power system. CSEE Journal of Power and Energy Systems, 2016, 2, 62-70.	1.1	13
130	Optimal Energy Operation Strategy for We-Energy of Energy Internet Based on Hybrid Reinforcement Learning With Human-in-the-Loop. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 32-42.	9.3	13
131	Characteristics of locational uncertainty marginal price for correlated uncertainties of variable renewable generation and demands. Applied Energy, 2021, 282, 116064.	10.1	13
132	The future role of nuclear power in the coal dominated power system: The case of Shandong. Journal of Cleaner Production, 2020, 256, 120744.	9.3	12
133	Two-Stage Bootstrap Sampling for Probabilistic Load Forecasting. IEEE Transactions on Engineering Management, 2022, 69, 720-728.	3.5	12
134	Preliminary analysis of long-term storage requirement in enabling high renewable energy penetration: A case of East Asia. IET Renewable Power Generation, 2021, 15, 1255-1269.	3.1	12
135	Secondary Frequency Regulation from Variable Generation Through Uncertainty Decomposition: An Economic and Reliability Perspective. IEEE Transactions on Sustainable Energy, 2021, 12, 2019-2030.	8.8	12
136	Exploring the Cellular Base Station Dispatch Potential Towards Power System Frequency Regulation. IEEE Transactions on Power Systems, 2022, 37, 820-823.	6.5	12
137	Integrated Power Management of Conventional Units and Industrial Loads in China's Ancillary Services Scheduling. Energies, 2015, 8, 3955-3977.	3.1	11
138	Guest Editorial for the Special Section on Enabling Very High Penetration Renewable Energy Integration Into Future Power Systems. IEEE Transactions on Power Systems, 2018, 33, 3223-3226.	6.5	11
139	Study on the Comprehensive Benefit Evaluation of Transnational Power Networking Projects Based on Multi-Project Stakeholder Perspectives. Energies, 2019, 12, 249.	3.1	10
140	Impact of Wind Power Scenario Reduction Techniques on Stochastic Unit Commitment. , 2016, , .		9
141	Planning district multiple energy systems considering year-round operation. Energy, 2020, 213, 118829.	8.8	8
142	Frequency Regulation From Distributed Energy Resource Using Cloud-Edge Collaborations Under Wireless Environments. IEEE Transactions on Smart Grid, 2022, 13, 367-380.	9.0	8
143	Bi-Level Expansion Planning of Multiple Energy Systems under Carbon Emission Constraints. , 2018, , .		7
144	Probabilistic Optimal Energy Flow of District Multienergy Systems: An MPLP-Based Online Dictionary-Learning Approach. IEEE Transactions on Industrial Informatics, 2019, 15, 4867-4877.	11.3	7

#	ARTICLE	IF	CITATIONS
145	A Linear LMP Model for Active and Reactive Power with Power Loss. , 2019, , .		7
146	Uncertainty modelling of an industry facility as a multi-energy demand response provider. Applied Energy, 2022, 307, 118215.	10.1	7
147	Day-ahead battery scheduling in microgrid considering wind power uncertainty using ordinal optimization. , 2014, , .		6
148	Optimal Operation of Hybrid AC/DC Distribution Network with High Penetrated Renewable Energy. , 2018, , .		6
149	Thermal generation operating cost variations with wind power integration. , 2011, , .		5
150	Estimating life-cycle energy payback ratio of overhead transmission line toward low carbon development. Journal of Modern Power Systems and Clean Energy, 2015, 3, 123-130.	5.4	5
151	Impact of Carbon market on China's electricity market: An equilibrium analysis. , 2017, , .		5
152	Linearized Model for Active and Reactive LMP Considering Bus Voltage Constraints. , 2018, , .		5
153	Modelling Aspects of Flexible Multi-Energy Microgrids. , 2018, , .		5
154	Predictors for attending annual eye screening for diabetic retinopathy amongst patients with diabetes in an urban community of Beijing. International Journal of Ophthalmology, 2017, 10, 1144-1149.	1.1	5
155	Topology Learning Aided False Data Injection Attack without Prior Topology Information. , 2021, , .		5
156	A fuzzy bi-objective unit commitment model considering source-grid-load interactions. , 2013, , .		4
157	Evaluating the spatial correlations of multi-area load forecasting errors. , 2016, , .		3
158	An optimum regression approach for analyzing weather influence on the energy consumption. , 2016, , .		3
159	Generalized steady-state model for energy router with applications in power flow calculation. , 2016, , .		3
160	Variable-Generation Integration in China: An Update. IEEE Power and Energy Magazine, 2019, 17, 99-107.	1.6	3
161	Fast Multi-Energy Systems Reliability Evaluation Using Multi-Parametric Linear Programming. , 2019, , .		3
162	Power system transition in China under the coordinated development of power sources, network, demand response, and energy storage. Wiley Interdisciplinary Reviews: Energy and Environment, 2021, 10, e392.	4.1	3

#	ARTICLE	IF	CITATIONS
163	Modeling the transient security constraints of natural gas network in day-ahead power system scheduling. , 2017, , .		2
164	Optimal reactive power dispatch with accurately modeled discrete control devices: A successive linear approximation approach. , 2017, , .		2
165	Research on Optimal Planning of Access Location and Access Capacity of Large-Scale Integrated Wind Power Plants. Energies, 2017, 10, 442.	3.1	2
166	A State-Independent Linear Power Flow Model with Accurate Estimation of Voltage Magnitude. , 2018, , .		2
167	Expansion Planning Model Coordinated with both Stationary and Transportable Storage Systems for Transmission Networks with High RES Penetration. , 2020, , .		2
168	An Integrated Frequency Regulation Control Strategy Considering the Full Wind Speed of Wind Turbine and Energy Storage System. , 2021, , .		2
169	A Novel Preheating Coordination Approach in Electrified Heat Systems. IEEE Transactions on Power Systems, 2022, 37, 3092-3103.	6.5	2
170	Geographical impacts of natural disaster on power system reliability. , 2015, , .		1
171	Assessing the dispatch flexibility of coordinated solar and hydro generation. , 2016, , .		1
172	The Role of Concentrating Solar Power Toward High Renewable Energy Penetrated Power Systems. , 2019, , .		1
173	Ordinal Optimization Theory Based Planning for Clustered Wind Farms Considering the Capacity Credit. Journal of Electrical Engineering and Technology, 2015, 10, 1930-1939.	2.0	1
174	Cloud energy storage in multi energy systems: Optimal scheduling and profit-sharing approaches. , 2021, , .		1
175	Matrix modelling and optimisation calculation method for large-scale integrated Weâ€Energy. IET Energy Systems Integration, 2022, 4, 380-392.	1.8	1
176	Exploring the flexibility of CSP for wind power integration using interval optimization. , 2016, , .		0
177	Aggregate Model of Massive Distributed Energy Storage for Power System Operation. , 2019, , .		0
178	Copula Theory and Dependent Probabilistic Sequence Operation. , 2019, , 11-30.		0