

Chongqing Kang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

274 papers	9,141 citations	54 h-index	84 g-index
297 ext. papers	12,996 ext. citations	7.5 avg, IF	6.96 L-index

#	Paper	IF	Citations
274	Review of Smart Meter Data Analytics: Applications, Methodologies, and Challenges. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 3125-3148	10.7	394
273	Increasing the Flexibility of Combined Heat and Power for Wind Power Integration in China: Modeling and Implications. <i>IEEE Transactions on Power Systems</i> , 2015 , 30, 1848-1857	7	314
272	Robust Optimization-Based Resilient Distribution Network Planning Against Natural Disasters. <i>IEEE Transactions on Smart Grid</i> , 2016 , 7, 2817-2826	10.7	265
271	Review and prospect of integrated demand response in the multi-energy system. <i>Applied Energy</i> , 2017 , 202, 772-782	10.7	225
270	Optimal Bidding Strategy of Battery Storage in Power Markets Considering Performance-Based Regulation and Battery Cycle Life. <i>IEEE Transactions on Smart Grid</i> , 2016 , 7, 2359-2367	10.7	206
269	Near-real-time monitoring of global CO emissions reveals the effects of the COVID-19 pandemic. <i>Nature Communications</i> , 2020 , 11, 5172	17.4	204
268	Clustering of Electricity Consumption Behavior Dynamics Toward Big Data Applications. <i>IEEE Transactions on Smart Grid</i> , 2016 , 7, 2437-2447	10.7	168
267	Reducing curtailment of wind electricity in China by employing electric boilers for heat and pumped hydro for energy storage. <i>Applied Energy</i> , 2016 , 184, 987-994	10.7	148
266	Probabilistic individual load forecasting using pinball loss guided LSTM. <i>Applied Energy</i> , 2019 , 235, 10-20	10.7	148
265	Modeling Conditional Forecast Error for Wind Power in Generation Scheduling. <i>IEEE Transactions on Power Systems</i> , 2014 , 29, 1316-1324	7	145
264	Unit Commitment With Volatile Node Injections by Using Interval Optimization. <i>IEEE Transactions on Power Systems</i> , 2011 , 26, 1705-1713	7	143
263	Load profiling and its application to demand response: A review. <i>Tsinghua Science and Technology</i> , 2015 , 20, 117-129	3.4	142
262	Power Generation Expansion Planning Model Towards Low-Carbon Economy and Its Application in China. <i>IEEE Transactions on Power Systems</i> , 2010 , 25, 1117-1125	7	134
261	Mixed-integer linear programming-based optimal configuration planning for energy hub: Starting from scratch. <i>Applied Energy</i> , 2018 , 210, 1141-1150	10.7	130
260	Optimal Configuration Planning of Multi-Energy Systems Considering Distributed Renewable Energy. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 1452-1464	10.7	125
259	A Linearized OPF Model With Reactive Power and Voltage Magnitude: A Pathway to Improve the MW-Only DC OPF. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 1734-1745	7	116
258	A State-Independent Linear Power Flow Model With Accurate Estimation of Voltage Magnitude. <i>IEEE Transactions on Power Systems</i> , 2017 , 32, 3607-3617	7	109

257	Cooperation of Wind Power and Battery Storage to Provide Frequency Regulation in Power Markets. <i>IEEE Transactions on Power Systems</i> , 2017 , 32, 3559-3568	7	95
256	An Ensemble Forecasting Method for the Aggregated Load With Subprofiles. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 3906-3908	10.7	95
255	From demand response to integrated demand response: review and prospect of research and application. <i>Protection and Control of Modern Power Systems</i> , 2019 , 4,	6.7	93
254	Optimal bidding strategy for microgrids in joint energy and ancillary service markets considering flexible ramping products. <i>Applied Energy</i> , 2017 , 205, 294-303	10.7	91
253	A Short-Term Wind Power Forecasting Approach With Adjustment of Numerical Weather Prediction Input by Data Mining. <i>IEEE Transactions on Sustainable Energy</i> , 2015 , 6, 1283-1291	8.2	91
252	Standardized Matrix Modeling of Multiple Energy Systems. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 257-270	10.7	89
251	Combining Probabilistic Load Forecasts. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 3664-3674	10.7	87
250	Planning Pumped Storage Capacity for Wind Power Integration. <i>IEEE Transactions on Sustainable Energy</i> , 2013 , 4, 393-401	8.2	86
249	Interaction between urban microclimate and electric air-conditioning energy consumption during high temperature season. <i>Applied Energy</i> , 2014 , 117, 149-156	10.7	85
248	A Novel Combined Data-Driven Approach for Electricity Theft Detection. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 1809-1819	11.9	83
247	An Efficient Approach to Power System Uncertainty Analysis With High-Dimensional Dependencies. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 2984-2994	7	82
246	Evaluating the Contribution of Energy Storages to Support Large-Scale Renewable Generation in Joint Energy and Ancillary Service Markets. <i>IEEE Transactions on Sustainable Energy</i> , 2016 , 7, 808-818	8.2	82
245	A Convex Model of Risk-Based Unit Commitment for Day-Ahead Market Clearing Considering Wind Power Uncertainty. <i>IEEE Transactions on Power Systems</i> , 2015 , 30, 1582-1592	7	81
244	Optimal Offering Strategy for Concentrating Solar Power Plants in Joint Energy, Reserve and Regulation Markets. <i>IEEE Transactions on Sustainable Energy</i> , 2016 , 7, 1245-1254	8.2	80
243	The Role of Concentrating Solar Power Toward High Renewable Energy Penetrated Power Systems. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 6630-6641	7	80
242	Robust Two-Stage Regional-District Scheduling of Multi-carrier Energy Systems With a Large Penetration of Wind Power. <i>IEEE Transactions on Sustainable Energy</i> , 2019 , 10, 1227-1239	8.2	79
241	Deep Learning-Based Socio-Demographic Information Identification From Smart Meter Data. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 2593-2602	10.7	79
240	Cloud energy storage for residential and small commercial consumers: A business case study. <i>Applied Energy</i> , 2017 , 188, 226-236	10.7	78

239	Effect of Natural Gas Flow Dynamics in Robust Generation Scheduling Under Wind Uncertainty. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 2087-2097	7	74
238	Sparse and Redundant Representation-Based Smart Meter Data Compression and Pattern Extraction. <i>IEEE Transactions on Power Systems</i> , 2017 , 32, 2142-2151	7	74
237	Preliminary exploration on low-carbon technology roadmap of China's power sector. <i>Energy</i> , 2011 , 36, 1500-1512	7.9	71
236	A Cross-Domain Approach to Analyzing the Short-Run Impact of COVID-19 on the US Electricity Sector. <i>Joule</i> , 2020 , 4, 2322-2337	27.8	66
235	Exploring the trade-offs between electric heating policy and carbon mitigation in China. <i>Nature Communications</i> , 2020 , 11, 6054	17.4	64
234	. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 1417-1427	10.7	64
233	Optimal joint-dispatch of energy and reserve for CCHP-based microgrids. <i>IET Generation, Transmission and Distribution</i> , 2017 , 11, 785-794	2.5	62
232	Incentivizing distributed energy resource aggregation in energy and capacity markets: An energy sharing scheme and mechanism design. <i>Applied Energy</i> , 2019 , 252, 113471	10.7	62
231	. <i>IEEE Transactions on Power Systems</i> , 2011 , 26, 500-507	7	62
230	Probabilistic duck curve in high PV penetration power system: Concept, modeling, and empirical analysis in China. <i>Applied Energy</i> , 2019 , 242, 205-215	10.7	61
229	Optimal power flow based on successive linear approximation of power flow equations. <i>IET Generation, Transmission and Distribution</i> , 2016 , 10, 3654-3662	2.5	61
228	Decentralized Multi-Area Economic Dispatch via Dynamic Multiplier-Based Lagrangian Relaxation. <i>IEEE Transactions on Power Systems</i> , 2015 , 30, 3225-3233	7	60
227	Using Bayesian Deep Learning to Capture Uncertainty for Residential Net Load Forecasting. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 188-201	7	60
226	Data-Driven Power Flow Linearization: A Regression Approach. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 2569-2580	10.7	58
225	Automatic and linearized modeling of energy hub and its flexibility analysis. <i>Applied Energy</i> , 2018 , 211, 705-714	10.7	58
224	Dependent Discrete Convolution Based Probabilistic Load Flow for the Active Distribution System. <i>IEEE Transactions on Sustainable Energy</i> , 2017 , 8, 1000-1009	8.2	56
223	Low-Carbon Power System Dispatch Incorporating Carbon Capture Power Plants. <i>IEEE Transactions on Power Systems</i> , 2013 , 28, 4615-4623	7	56
222	Electricity markets evolution with the changing generation mix: An empirical analysis based on China 2050 High Renewable Energy Penetration Roadmap. <i>Applied Energy</i> , 2017 , 185, 56-67	10.7	55

221	On Normality Assumption in Residual Simulation for Probabilistic Load Forecasting. <i>IEEE Transactions on Smart Grid</i> , 2017 , 8, 1046-1053	10.7	54
220	Corrective receding horizon scheduling of flexible distributed multi-energy microgrids. <i>Applied Energy</i> , 2017 , 207, 176-194	10.7	54
219	Carbon Emission Flow From Generation to Demand: A Network-Based Model. <i>IEEE Transactions on Smart Grid</i> , 2015 , 6, 2386-2394	10.7	52
218	Modeling the Operation Mechanism of Combined P2G and Gas-Fired Plant With CO ₂ Recycling. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 1111-1121	10.7	49
217	Balance of Power: Toward a More Environmentally Friendly, Efficient, and Effective Integration of Energy Systems in China. <i>IEEE Power and Energy Magazine</i> , 2013 , 11, 56-64	2.4	49
216	Linear three-phase power flow for unbalanced active distribution networks with PV nodes. <i>CSEE Journal of Power and Energy Systems</i> , 2017 , 3, 321-324	2.3	47
215	Modeling Flexible Operation Mechanism of CO_2 Capture Power Plant and Its Effects on Power-System Operation. <i>IEEE Transactions on Energy Conversion</i> , 2010 , 25, 853-861	5.4	47
214	Smart Metering Load Data Compression Based on Load Feature Identification. <i>IEEE Transactions on Smart Grid</i> , 2016 , 7, 2414-2422	10.7	46
213	Dynamic Economic Dispatch Considering Transmission Losses Using Quadratically Constrained Quadratic Program Method. <i>IEEE Transactions on Power Systems</i> , 2013 , 28, 2232-2241	7	45
212	Carbon emission flow in networks. <i>Scientific Reports</i> , 2012 , 2, 479	4.9	45
211	Decision-Making Models for the Participants in Cloud Energy Storage. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 5512-5521	10.7	44
210	Optimal Reactive Power Dispatch With Accurately Modeled Discrete Control Devices: A Successive Linear Approximation Approach. <i>IEEE Transactions on Power Systems</i> , 2017 , 32, 2435-2444	7	44
209	Optimal Flexible Operation of a CO ₂ Capture Power Plant in a Combined Energy and Carbon Emission Market. <i>IEEE Transactions on Power Systems</i> , 2012 , 27, 1602-1609	7	44
208	Modeling Carbon Emission Flow in Multiple Energy Systems. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 3562-3574	10.7	44
207	Low-Carbon Operation of Multiple Energy Systems Based on Energy-Carbon Integrated Prices. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 1307-1318	10.7	44
206	Economic justification of concentrating solar power in high renewable energy penetrated power systems. <i>Applied Energy</i> , 2018 , 222, 649-661	10.7	43
205	Planning Multiple Energy Systems Toward Low-Carbon Society: A Decentralized Approach. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 4859-4869	10.7	42
204	. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 140-151	7	40

203	Modeling Frequency Dynamics in Unit Commitment With a High Share of Renewable Energy. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 4383-4395	7	40
202	Introducing Uncertainty Components in Locational Marginal Prices for Pricing Wind Power and Load Uncertainties. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 2013-2024	7	39
201	Optimal Power Flow in ACDC Grids With Discrete Control Devices. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 1461-1472	7	37
200	Steady-state security assessment method based on distance to security region boundaries. <i>IET Generation, Transmission and Distribution</i> , 2013 , 7, 288-297	2.5	37
199	LMP Revisited: A Linear Model for the Loss-Embedded LMP. <i>IEEE Transactions on Power Systems</i> , 2017 , 32, 4080-4090	7	36
198	Energy-saving generation dispatch toward a sustainable electric power industry in China. <i>Energy Policy</i> , 2015 , 83, 14-25	7.2	36
197	Steady-State Power Flow Model of Energy Router Embedded AC Network and Its Application in Optimizing Power System Operation. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 4828-4837	10.7	36
196	Assessing the low-carbon effects of inter-regional energy delivery in China's electricity sector. <i>Renewable and Sustainable Energy Reviews</i> , 2014 , 32, 671-683	16.2	36
195	Clustering-Based Residential Baseline Estimation: A Probabilistic Perspective. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 6014-6028	10.7	35
194	Planning multiple energy systems for low-carbon districts with high penetration of renewable energy: An empirical study in China. <i>Applied Energy</i> , 2020 , 261, 114390	10.7	35
193	On An Equivalent Representation of the Dynamics in District Heating Networks for Combined Electricity-Heat Operation. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 560-570	7	35
192	Optimal Transmission Switching With Short-Circuit Current Limitation Constraints. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 1278-1288	7	34
191	A decomposition method for network-constrained unit commitment with AC power flow constraints. <i>Energy</i> , 2015 , 88, 595-603	7.9	33
190	Managing Wind Power Uncertainty Through Strategic Reserve Purchasing. <i>IEEE Transactions on Power Systems</i> , 2017 , 32, 2547-2559	7	33
189	Long-term coordination of transmission and storage to integrate wind power. <i>CSEE Journal of Power and Energy Systems</i> , 2017 , 3, 36-43	2.3	32
188	Embedding based quantile regression neural network for probabilistic load forecasting. <i>Journal of Modern Power Systems and Clean Energy</i> , 2018 , 6, 244-254	4	32
187	Improving the Accuracy of Bus Load Forecasting by a Two-Stage Bad Data Identification Method. <i>IEEE Transactions on Power Systems</i> , 2014 , 29, 1634-1641	7	32
186	Copula Based Dependent Discrete Convolution for Power System Uncertainty Analysis. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 5204-5205	7	31

185	Solving OPF using linear approximations: fundamental analysis and numerical demonstration. <i>IET Generation, Transmission and Distribution</i> , 2017 , 11, 4115-4125	2.5	30
184	Pool equilibria including strategic storage. <i>Applied Energy</i> , 2016 , 177, 260-270	10.7	30
183	Harnessing Flexibility from Hot and Cold: Heat Storage and Hybrid Systems Can Play a Major Role. <i>IEEE Power and Energy Magazine</i> , 2017 , 15, 25-33	2.4	29
182	A novel network model for optimal power flow with reactive power and network losses. <i>Electric Power Systems Research</i> , 2017 , 144, 63-71	3.5	29
181	Transmission Expansion Planning Test System for AC/DC Hybrid Grid With High Variable Renewable Energy Penetration. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 2597-2608	7	29
180	Smart grid encounters edge computing: opportunities and applications. <i>Advances in Applied Energy</i> , 2021 , 1, 100006		29
179	Distributed real-time demand response based on Lagrangian multiplier optimal selection approach. <i>Applied Energy</i> , 2017 , 190, 949-959	10.7	28
178	Impact of High Renewable Penetration on the Power System Operation Mode: A Data-Driven Approach. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 731-741	7	27
177	Decentralized Intraday Generation Scheduling for Multiarea Power Systems via Dynamic Multiplier-Based Lagrangian Relaxation. <i>IEEE Transactions on Power Systems</i> , 2017 , 32, 454-463	7	26
176	Incentive mechanism for sharing distributed energy resources. <i>Journal of Modern Power Systems and Clean Energy</i> , 2019 , 7, 837-850	4	26
175	Tri-Level Expansion Planning for Transmission Networks and Distributed Energy Resources Considering Transmission Cost Allocation. <i>IEEE Transactions on Sustainable Energy</i> , 2018 , 9, 1844-1856	8.2	26
174	A monthly electricity consumption forecasting method based on vector error correction model and self-adaptive screening method. <i>International Journal of Electrical Power and Energy Systems</i> , 2018 , 95, 427-439	5.1	26
173	Incentive compatible pool-based electricity market design and implementation: A Bayesian mechanism design approach. <i>Applied Energy</i> , 2015 , 158, 508-518	10.7	25
172	Economic Benefits of Integrating Solar-Powered Heat Pumps Into a CHP System. <i>IEEE Transactions on Sustainable Energy</i> , 2018 , 9, 1702-1712	8.2	24
171	Probabilistic Peak Load Estimation in Smart Cities Using Smart Meter Data. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 1608-1618	8.9	24
170	Incorporating Massive Scenarios in Transmission Expansion Planning With High Renewable Energy Penetration. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 1061-1074	7	24
169	A Game Theoretical Pricing Mechanism for Multi-Area Spinning Reserve Trading Considering Wind Power Uncertainty. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 1084-1095	7	23
168	Analysis of transmission expansion planning considering consumption-based carbon emission accounting. <i>Applied Energy</i> , 2017 , 193, 232-242	10.7	23

167	Integrated dispatch of generation and load: A pathway towards smart grids. <i>Electric Power Systems Research</i> , 2015 , 120, 206-213	3.5	23
166	Synergies of wind power and electrified space heating: case study for Beijing. <i>Environmental Science & Technology</i> , 2014 , 48, 2016-24	10.3	23
165	Integrated Energy Systems for Higher Wind Penetration in China: Formulation, Implementation, and Impacts. <i>IEEE Transactions on Power Systems</i> , 2017 , 1-1	7	23
164	Input-output table of electricity demand and its application. <i>Energy</i> , 2010 , 35, 326-331	7.9	23
163	Incentive Mechanism for Clearing Energy and Reserve Markets in Multi-Area Power Systems. <i>IEEE Transactions on Sustainable Energy</i> , 2020 , 11, 2470-2482	8.2	23
162	Optimal operating strategy and revenue estimates for the arbitrage of a vanadium redox flow battery considering dynamic efficiencies and capacity loss. <i>IET Generation, Transmission and Distribution</i> , 2016 , 10, 1278-1285	2.5	23
161	. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 1895-1907	7	23
160	Scenario Map Based Stochastic Unit Commitment. <i>IEEE Transactions on Power Systems</i> , 2018 , 33, 4694-4705		22
159	Optimal Planning Strategy for Distributed Energy Resources Considering Structural Transmission Cost Allocation. <i>IEEE Transactions on Smart Grid</i> , 2018 , 9, 5236-5248	10.7	22
158	An Efficient Decomposition Method for the Integrated Dispatch of Generation and Load. <i>IEEE Transactions on Power Systems</i> , 2015 , 30, 2923-2933	7	22
157	. <i>Proceedings of the IEEE</i> , 2020 , 108, 1411-1436	14.3	20
156	Optimal operation strategy for distributed battery aggregator providing energy and ancillary services. <i>Journal of Modern Power Systems and Clean Energy</i> , 2018 , 6, 722-732	4	20
155	Analysis on demand-side interactive response capability for power system dispatch in a smart grid framework. <i>Electric Power Systems Research</i> , 2012 , 90, 11-17	3.5	20
154	Market Power Mitigation Clearing Mechanism Based on Constrained Bidding Capacities. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 4817-4827	7	19
153	Matrix modeling of energy hub with variable energy efficiencies. <i>International Journal of Electrical Power and Energy Systems</i> , 2020 , 119, 105876	5.1	19
152	Coordination of Generation Maintenance Scheduling in Electricity Markets. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 4565-4574	7	19
151	Big Data Analytics in China's Electric Power Industry: Modern Information, Communication Technologies, and Millions of Smart Meters. <i>IEEE Power and Energy Magazine</i> , 2018 , 16, 54-65	2.4	19
150	Reliability Value of Distributed Solar+Storage Systems Amidst Rare Weather Events. <i>IEEE Transactions on Smart Grid</i> , 2019 , 10, 4476-4486	10.7	19

149	Power market reform in China: Motivations, progress, and recommendations. <i>Energy Policy</i> , 2020 , 145, 111717	7.2	19
148	Embodied greenhouse gas emissions from building China's large-scale power transmission infrastructure. <i>Nature Sustainability</i> , 2021 , 4, 739-747	22.1	19
147	A Structural Transmission Cost Allocation Scheme Based on Capacity Usage Identification. <i>IEEE Transactions on Power Systems</i> , 2016 , 31, 2876-2884	7	19
146	Month ahead average daily electricity price profile forecasting based on a hybrid nonlinear regression and SVM model: an ERCOT case study. <i>Journal of Modern Power Systems and Clean Energy</i> , 2018 , 6, 281-291	4	18
145	Cross-domain feature selection and coding for household energy behavior. <i>Energy</i> , 2016 , 107, 9-16	7.9	18
144	Estimating the Robust P-Q Capability of a Technical Virtual Power Plant Under Uncertainties. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 4285-4296	7	17
143	Sequence operation theory and its application in power system reliability evaluation. <i>Reliability Engineering and System Safety</i> , 2002 , 78, 101-109	6.3	17
142	A Probabilistic Method for Determining Grid-Accommodable Wind Power Capacity Based on Multiscenario System Operation Simulation. <i>IEEE Transactions on Smart Grid</i> , 2016 , 7, 400-409	10.7	16
141	Electricity production scheduling under uncertainty: Max social welfare vs. min emission vs. max renewable production. <i>Applied Energy</i> , 2017 , 193, 540-549	10.7	16
140	Zonal marginal pricing approach based on sequential network partition and congestion contribution identification. <i>International Journal of Electrical Power and Energy Systems</i> , 2013 , 51, 321-328	5.1	16
139	Modelling and Simulating the Spatio-Temporal Correlations of Clustered Wind Power Using Copula. <i>Journal of Electrical Engineering and Technology</i> , 2013 , 8, 1615-1625	1.4	16
138	Situation awareness of electricity-gas coupled systems with a multi-port equivalent gas network model. <i>Applied Energy</i> , 2020 , 258, 114029	10.7	16
137	A High-Efficiency Network-Constrained Clustered Unit Commitment Model for Power System Planning Studies. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 2498-2508	7	16
136	Enforcing Intra-Regional Constraints in Tie-Line Scheduling: A Projection-Based Framework. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 4751-4761	7	15
135	N-1 security assessment approach based on the steady-state security distance. <i>IET Generation, Transmission and Distribution</i> , 2015 , 9, 2419-2426	2.5	15
134	Transmission network expansion planning with embedded constraints of short circuit currents and N-1 security. <i>Journal of Modern Power Systems and Clean Energy</i> , 2015 , 3, 312-320	4	15
133	Large-scale aggregation of prosumers toward strategic bidding in joint energy and regulation markets. <i>Applied Energy</i> , 2020 , 271, 115159	10.7	15
132	Power generation scheduling considering stochastic emission limits. <i>International Journal of Electrical Power and Energy Systems</i> , 2018 , 95, 374-383	5.1	15

131	Novel approach considering load-relative factors in short-term load forecasting. <i>Electric Power Systems Research</i> , 2004 , 70, 99-107	3.5	15
130	MPLP-Based Fast Power System Reliability Evaluation Using Transmission Line Status Dictionary. <i>IEEE Transactions on Power Systems</i> , 2019 , 34, 1630-1640	7	15
129	Distribution Pricing: Are We Ready for the Smart Grid?. <i>IEEE Power and Energy Magazine</i> , 2015 , 13, 76-86	2.4	14
128	Rigorous model for evaluating wind power capacity credit. <i>IET Renewable Power Generation</i> , 2013 , 7, 504-513	2.9	14
127	SIMULATION METHODOLOGY OF MULTIPLE WIND FARMS OPERATION CONSIDERING WIND SPEED CORRELATION. <i>International Journal of Power and Energy Systems</i> , 2010 , 30,	1.3	14
126	Pathway toward carbon-neutral electrical systems in China by mid-century with negative CO2 abatement costs informed by high-resolution modeling. <i>Joule</i> , 2021 , 5, 2715-2741	27.8	14
125	A Nash-Cournot approach to assessing flexible ramping products. <i>Applied Energy</i> , 2017 , 206, 42-50	10.7	13
124	Demand side management in China 2010 ,		13
123	A Two-Level Approach to AC Optimal Transmission Switching With an Accelerating Technique. <i>IEEE Transactions on Power Systems</i> , 2016 , 1-1	7	13
122	Transition of tariff structure and distribution pricing in China 2011 ,		12
121	A Data-Driven Approach to Linearize Power Flow Equations Considering Measurement Noise. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 2576-2587	10.7	12
120	Reliability and Vulnerability Assessment of Multi-Energy Systems: An Energy Hub Based Method. <i>IEEE Transactions on Power Systems</i> , 2021 , 36, 3948-3959	7	12
119	Smart Meter Data Analytics 2020 ,		11
118	Neural-network-based Lagrange multiplier selection for distributed demand response in smart grid. <i>Applied Energy</i> , 2020 , 264, 114636	10.7	11
117	Dynamic queuing approach to power system short term economic and security dispatch. <i>IEEE Transactions on Power Systems</i> , 1998 , 13, 280-285	7	11
116	Fundamental Review of the OPF Problem: Challenges, Solutions, and State-of-the-Art Algorithms. <i>Journal of Energy Engineering - ASCE</i> , 2018 , 144, 04017075	1.7	11
115	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	4	10
114	GAN-based Model for Residential Load Generation Considering Typical Consumption Patterns 2019 ,		10

113	Modeling Strategic Behaviors of Renewable Energy With Joint Consideration on Energy and Tradable Green Certificate Markets. <i>IEEE Transactions on Power Systems</i> , 2020 , 35, 1898-1910	7	10
112	Beijing subsidiary administrative center multi-energy systems: An optimal configuration planning. <i>Electric Power Systems Research</i> , 2020 , 179, 106082	3.5	10
111	Techno-economic analysis of contingency reserve allocation scheme for combined UHV DC and AC receiving-end power system. <i>CSEE Journal of Power and Energy Systems</i> , 2016 , 2, 62-70	2.3	10
110	Market equilibrium analysis with high penetration of renewables and gas-fired generation: An empirical case of the Beijing-Tianjin-Tangshan power system. <i>Applied Energy</i> , 2018 , 227, 384-392	10.7	10
109	Electricity wholesale market equilibrium analysis integrating individual risk-averse features of generation companies. <i>Applied Energy</i> , 2019 , 252, 113443	10.7	9
108	Fast Power System Cascading Failure Path Searching With High Wind Power Penetration. <i>IEEE Transactions on Sustainable Energy</i> , 2020 , 11, 2274-2283	8.2	9
107	An algorithm for practical power curve estimation of wind turbines. <i>CSEE Journal of Power and Energy Systems</i> , 2018 , 4, 93-102	2.3	9
106	Inducing-objective-function-based method for long-term SCUC with energy constraints. <i>International Journal of Electrical Power and Energy Systems</i> , 2014 , 63, 971-978	5.1	9
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