Chongqing Kang

List of Publications by Year in Descending Order

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	Frequency Stability Enhancement of Low-Inertia Large-Scale Power System Based on Grey Wolf Optimization. *IEEE Access*, **2022**, 10, 11657-11668	3.5	2
273	Exploring the Cellular Base Station Dispatch Potential Towards Power System Frequency Regulation. *IEEE Transactions on Power Systems*, **2022**, 37, 820-823	7	0
272	Backcasting Technical and Policy Targets For Constructing Low-Carbon Power Systems. *IEEE Transactions on Power Systems*, **2022**, 1-1	7	
271	Enlarging flexibility region of virtual power plant via dynamic line rating. *IET Renewable Power Generation*, **2022**, 16, 751-760	2.9	0
270	Role of compressed air energy storage in urban integrated energy systems with increasing wind penetration. *Renewable and Sustainable Energy Reviews*, **2022**, 160, 112203	16.2	1
269	Bidding behaviors of GENCOs under bounded rationality with renewable energy. *Energy*, **2022**, 250, 123793	7.9	0
268	Physics-Constrained Robustness Verification of Intelligent Security Assessment for Power Systems. *IEEE Transactions on Power Systems*, **2022**, 1-1	7	1
267	Open-Access Data and Toolbox for Tracking COVID-19 Impact on Power Systems. *IEEE Transactions on Power Systems*, **2022**, 1-1	7	0
266	Analytical Adequacy Evaluation for Power Consumers with UPS in Distribution Networks. *IEEE Transactions on Smart Grid*, **2022**, 1-1	10.7	1
265	Cost increase in the electricity supply to achieve carbon neutrality in China. *Nature Communications*, **2022**, 13,	17.4	8
264	A novel preheating coordination approach in electrified heat systems. *IEEE Transactions on Power Systems*, **2021**, 1-1	7	0
263	Resilience Oriented Planning of Urban Multi-Energy Systems With Generalized Energy Storage Sources. *IEEE Transactions on Power Systems*, **2021**, 1-1	7	5
262	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	27.8	14
261	Quantum internet for resilient electric grids. *International Transactions on Electrical Energy Systems*, **2021**, 31, e12911	2.2	3
260	Embodied greenhouse gas emissions from building China□ large-scale power transmission infrastructure. *Nature Sustainability*, **2021**, 4, 739-747	22.1	19
259	Enhancing the power grid flexibility with battery energy storage transportation and transmission switching. *Applied Energy*, **2021**, 290, 116692	10.7	8
258	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	7	2

257	Unsupervised Congestion Status Identification Using LMP Data. *IEEE Transactions on Smart Grid*, **2021**, 12, 726-736	10.7	6
256	Steady-state security region of energy hub: Modeling, calculation, and applications. *International Journal of Electrical Power and Energy Systems*, **2021**, 125, 106551	5.1	3
255	Characteristics of locational uncertainty marginal price for correlated uncertainties of variable renewable generation and demands. *Applied Energy*, **2021**, 282, 116064	10.7	5
254	Bounding Regression Errors in Data-Driven Power Grid Steady-State Models. *IEEE Transactions on Power Systems*, **2021**, 36, 1023-1033	7	6
253	Sparse Oblique Decision Tree for Power System Security Rules Extraction and Embedding. *IEEE Transactions on Power Systems*, **2021**, 36, 1605-1615	7	6
252	Non-Iterative Multi-Area Coordinated Dispatch via Condensed System Representation. *IEEE Transactions on Power Systems*, **2021**, 36, 1594-1604	7	3
251	Transmission Planning With Battery-Based Energy Storage Transportation For Power Systems With High Penetration of Renewable Energy. *IEEE Transactions on Power Systems*, **2021**, 1-1	7	8
250	Deep Inverse Reinforcement Learning for Reward Function Identification in Bidding Models. *IEEE Transactions on Power Systems*, **2021**, 1-1	7	3
249	Estimating Demand Flexibility Using Siamese LSTM Neural Networks. *IEEE Transactions on Power Systems*, **2021**, 1-1	7	2
248	Forecast Aggregated Supply Curves in Power Markets based on LSTM Model. *IEEE Transactions on Power Systems*, **2021**, 1-1	7	1
247	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	2.9	2
246	Smart grid encounters edge computing: opportunities and applications. *Advances in Applied Energy*, **2021**, 1, 100006		29
245	Aggregating Distributed Energy Storage: Cloud-Based Flexibility Services From China. *IEEE Power and Energy Magazine*, **2021**, 19, 63-73	2.4	4
244	A Confidence-Aware Machine Learning Framework for Dynamic Security Assessment. *IEEE Transactions on Power Systems*, **2021**, 36, 3907-3920	7	1
243	Evaluating the Dispatchable Capacity of Base Station Backup Batteries in Distribution Networks. *IEEE Transactions on Smart Grid*, **2021**, 12, 3966-3979	10.7	7
242	Reliability and Vulnerability Assessment of Multi-Energy Systems: An Energy Hub Based Method. *IEEE Transactions on Power Systems*, **2021**, 36, 3948-3959	7	12
241	Searching for Critical Power System Cascading Failures With Graph Convolutional Network. *IEEE Transactions on Control of Network Systems*, **2021**, 8, 1304-1313	4	0
240	Estimating the Robust P-Q Capability of a Technical Virtual Power Plant Under Uncertainties. *IEEE Transactions on Power Systems*, **2020**, 35, 4285-4296	7	17

239	. *Proceedings of the IEEE*, **2020**, 108, 1411-1436	14.3	20
238	Large-scale aggregation of prosumers toward strategic bidding in joint energy and regulation markets. *Applied Energy*, **2020**, 271, 115159	10.7	15
237	Integrating Heterogeneous Demand Response into N-1 Security Assessment by Multi-Parametric Programming **2020**,		2
236	Constraint relaxation-based day-ahead market mechanism design to promote the renewable energy accommodation. *Energy*, **2020**, 198, 117204	7.9	4
235	Smart Meter Data Analytics **2020**,		11
234	Matrix modeling of energy hub with variable energy efficiencies. *International Journal of Electrical Power and Energy Systems*, **2020**, 119, 105876	5.1	19
233	Neural-network-based Lagrange multiplier selection for distributed demand response in smart grid. *Applied Energy*, **2020**, 264, 114636	10.7	11
232	Planning multiple energy systems for low-carbon districts with high penetration of renewable energy: An empirical study in China. *Applied Energy*, **2020**, 261, 114390	10.7	35
231	Fast Power System Cascading Failure Path Searching With High Wind Power Penetration. *IEEE Transactions on Sustainable Energy*, **2020**, 11, 2274-2283	8.2	9
230	A Unit Commitment Algorithm With Relaxation-Based Neighborhood Search and Improved Relaxation Inducement. *IEEE Transactions on Power Systems*, **2020**, 35, 3800-3809	7	3
229	Modeling Frequency Dynamics in Unit Commitment With a High Share of Renewable Energy. *IEEE Transactions on Power Systems*, **2020**, 35, 4383-4395	7	40
228	Socio-demographic Information Identification **2020**, 187-204		
227	Prospects of Future Research Issues **2020**, 287-293		
226	Overview of Smart Meter Data Analytics **2020**, 1-35		1
225	Smart Meter Data Compression **2020**, 59-78		
224	Personalized Retail Price Design **2020**, 163-186		
223	Electricity Consumer Behavior Model **2020**, 37-57		1
222	Aggregated Load Forecasting with Sub-profiles **2020**, 271-285		

221	Partial Usage Pattern Extraction **2020**, 137-162		
220	Coding for Household Energy Behavior **2020**, 205-223		
219	Clustering of Consumption Behavior Dynamics **2020**, 225-246		
218	Electricity Theft Detection **2020**, 79-98		1
217	Probabilistic Residential Load Forecasting **2020**, 247-269		1
216	Residential Load Data Generation **2020**, 99-135		1
215	Power market reform in China: Motivations, progress, and recommendations. *Energy Policy*, **2020**, 145, 111717	7.2	19
214	Situation awareness of electricity-gas coupled systems with a multi-port equivalent gas network model. *Applied Energy*, **2020**, 258, 114029	10.7	16
213	A Cost-Sharing Approach for Decentralized Electricity–Heat Operation With Renewables. *IEEE Transactions on Sustainable Energy*, **2020**, 11, 1838-1847	8.2	7
212	Constraining the oligopoly manipulation in electricity market: A vertical integration perspective. *Energy*, **2020**, 194, 116877	7.9	5
211	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	7	10
210	A Data-Driven Pattern Extraction Method for Analyzing Bidding Behaviors in Power Markets. *IEEE Transactions on Smart Grid*, **2020**, 11, 3509-3521	10.7	8
209	Incentive Mechanism for Clearing Energy and Reserve Markets in Multi-Area Power Systems. *IEEE Transactions on Sustainable Energy*, **2020**, 11, 2470-2482	8.2	23
208	Beijing subsidiary administrative center multi-energy systems: An optimal configuration planning. *Electric Power Systems Research*, **2020**, 179, 106082	3.5	10
207	A Data-Driven Approach to Linearize Power Flow Equations Considering Measurement Noise. *IEEE Transactions on Smart Grid*, **2020**, 11, 2576-2587	10.7	12
206	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	7	29
205	A Cross-Domain Approach to Analyzing the Short-Run Impact of COVID-19 on the US Electricity Sector. *Joule*, **2020**, 4, 2322-2337	27.8	66
204	Near-real-time monitoring of global CO emissions reveals the effects of the COVID-19 pandemic. *Nature Communications*, **2020**, 11, 5172	17.4	204

203	Exploring the trade-offs between electric heating policy and carbon mitigation in China. *Nature Communications*, **2020**, 11, 6054	17.4	64
202	Building Digital Battery System via Energy Digitization for Sustainable 5G Power Feeding. *IEEE Wireless Communications*, **2020**, 27, 148-154	13.4	3
201	Modeling frequency response dynamics in power system scheduling. *Electric Power Systems Research*, **2020**, 189, 106549	3.5	6
200	Embedding scrapping criterion and degradation model in optimal operation of peak-shaving lithium-ion battery energy storage. *Applied Energy*, **2020**, 278, 115601	10.7	6
199	Planning district multiple energy systems considering year-round operation. *Energy*, **2020**, 213, 118829	7.9	4
198	Expansion Planning Model Coordinated with both Stationary and Transportable Storage Systems for Transmission Networks with High RES Penetration **2020**,		1
197	Using Bayesian Deep Learning to Capture Uncertainty for Residential Net Load Forecasting. *IEEE Transactions on Power Systems*, **2020**, 35, 188-201	7	60
196	Efficiency Loss for Variable Renewable Energy Incurred by Competition in Electricity Markets. *IEEE Transactions on Sustainable Energy*, **2020**, 11, 1951-1964	8.2	8
195	Low-Carbon Operation of Multiple Energy Systems Based on Energy-Carbon Integrated Prices. *IEEE Transactions on Smart Grid*, **2020**, 11, 1307-1318	10.7	44
194	Impact of High Renewable Penetration on the Power System Operation Mode: A Data-Driven Approach. *IEEE Transactions on Power Systems*, **2020**, 35, 731-741	7	27
193	A Block-of-Use Electricity Retail Pricing Approach Based on the Customer Load Profile. *IEEE Transactions on Smart Grid*, **2020**, 11, 1500-1509	10.7	1
192	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	7	35
191	Incorporating Massive Scenarios in Transmission Expansion Planning With High Renewable Energy Penetration. *IEEE Transactions on Power Systems*, **2020**, 35, 1061-1074	7	24
190	Adjustable and distributionally robust chance-constrained economic dispatch considering wind power uncertainty. *Journal of Modern Power Systems and Clean Energy*, **2019**, 7, 658-664	4	7
189	Electricity wholesale market equilibrium analysis integrating individual risk-averse features of generation companies. *Applied Energy*, **2019**, 252, 113443	10.7	9
188	Incentivizing distributed energy resource aggregation in energy and capacity markets: An energy sharing scheme and mechanism design. *Applied Energy*, **2019**, 252, 113471	10.7	62
187	Incentive mechanism for sharing distributed energy resources. *Journal of Modern Power Systems and Clean Energy*, **2019**, 7, 837-850	4	26
186	Enforcing Intra-Regional Constraints in Tie-Line Scheduling: A Projection-Based Framework. *IEEE Transactions on Power Systems*, **2019**, 34, 4751-4761	7	15

185	Market Power Mitigation Clearing Mechanism Based on Constrained Bidding Capacities. *IEEE Transactions on Power Systems*, **2019**, 34, 4817-4827	7	19
184	Estimating the Wind Power Integration Threshold Considering Electro-Thermal Coupling of Overhead Transmission Lines. *IEEE Transactions on Power Systems*, **2019**, 34, 3349-3358	7	8
183	Probabilistic duck curve in high PV penetration power system: Concept, modeling, and empirical analysis in China. *Applied Energy*, **2019**, 242, 205-215	10.7	61
182	Clustering-Based Residential Baseline Estimation: A Probabilistic Perspective. *IEEE Transactions on Smart Grid*, **2019**, 10, 6014-6028	10.7	35
181	Compositional Power Flow for Networked Microgrids. *IEEE Power and Energy Technology Systems Journal*, **2019**, 6, 81-84	4.3	1
180	Reliability Value of Distributed Solar+Storage Systems Amidst Rare Weather Events. *IEEE Transactions on Smart Grid*, **2019**, 10, 4476-4486	10.7	19
179	Modeling the Operation Mechanism of Combined P2G and Gas-Fired Plant With CO2 Recycling. *IEEE Transactions on Smart Grid*, **2019**, 10, 1111-1121	10.7	49
178	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	8.2	79
177	. *IEEE Transactions on Power Systems*, **2019**, 34, 140-151	7	40
176	Combining Probabilistic Load Forecasts. *IEEE Transactions on Smart Grid*, **2019**, 10, 3664-3674	10.7	87
175	Feature selection for probabilistic load forecasting via sparse penalized quantile regression. *Journal of Modern Power Systems and Clean Energy*, **2019**, 7, 1200-1209	4	10
174	From demand response to integrated demand response: review and prospect of research and application. *Protection and Control of Modern Power Systems*, **2019**, 4,	6.7	93
173	GAN-based Model for Residential Load Generation Considering Typical Consumption Patterns **2019** ,		10
172	Copula Theory and Dependent Probabilistic Sequence Operation **2019**, 11-30		
171	Data-Driven Load Data Cleaning and Its Impacts on Forecasting Performance **2019**,		1
170	Fast Multi-Energy Systems Reliability Evaluation Using Multi-Parametric Linear Programming **2019**,		2
169	Planning Multiple Energy Systems Toward Low-Carbon Society: A Decentralized Approach. *IEEE Transactions on Smart Grid*, **2019**, 10, 4859-4869	10.7	42
168	Probabilistic individual load forecasting using pinball loss guided LSTM. *Applied Energy*, **2019**, 235, 10-20	10.7	148

167	. *IEEE Transactions on Power Systems*, **2019**, 34, 1895-1907	7	23
166	A High-Efficiency Network-Constrained Clustered Unit Commitment Model for Power System Planning Studies. *IEEE Transactions on Power Systems*, **2019**, 34, 2498-2508	7	16
165	Introducing Uncertainty Components in Locational Marginal Prices for Pricing Wind Power and Load Uncertainties. *IEEE Transactions on Power Systems*, **2019**, 34, 2013-2024	7	39
164	Operation Strategy of Smart Thermostats That Self-Learn User Preferences. *IEEE Transactions on Smart Grid*, **2019**, 10, 5770-5780	10.7	6
163	A Novel Combined Data-Driven Approach for Electricity Theft Detection. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 1809-1819	11.9	83
162	MPLP-Based Fast Power System Reliability Evaluation Using Transmission Line Status Dictionary. *IEEE Transactions on Power Systems*, **2019**, 34, 1630-1640	7	15
161	Standardized Matrix Modeling of Multiple Energy Systems. *IEEE Transactions on Smart Grid*, **2019**, 10, 257-270	10.7	89
160	. *IEEE Transactions on Smart Grid*, **2019**, 10, 1417-1427	10.7	64
159	Optimal Configuration Planning of Multi-Energy Systems Considering Distributed Renewable Energy. *IEEE Transactions on Smart Grid*, **2019**, 10, 1452-1464	10.7	125
158	Review of Smart Meter Data Analytics: Applications, Methodologies, and Challenges. *IEEE Transactions on Smart Grid*, **2019**, 10, 3125-3148	10.7	394
157	Data-Driven Power Flow Linearization: A Regression Approach. *IEEE Transactions on Smart Grid*, **2019**, 10, 2569-2580	10.7	58
156	Deep Learning-Based Socio-Demographic Information Identification From Smart Meter Data. *IEEE Transactions on Smart Grid*, **2019**, 10, 2593-2602	10.7	79
155	Probabilistic Peak Load Estimation in Smart Cities Using Smart Meter Data. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 1608-1618	8.9	24
154	Modeling Carbon Emission Flow in Multiple Energy Systems. *IEEE Transactions on Smart Grid*, **2019**, 10, 3562-3574	10.7	44
153	An Ensemble Forecasting Method for the Aggregated Load With Subprofiles. *IEEE Transactions on Smart Grid*, **2018**, 9, 3906-3908	10.7	95
152	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	4	18
151	Economic Benefits of Integrating Solar-Powered Heat Pumps Into a CHP System. *IEEE Transactions on Sustainable Energy*, **2018**, 9, 1702-1712	8.2	24
150	Tri-Level Expansion Planning for Transmission Networks and Distributed Energy Resources Considering Transmission Cost Allocation. *IEEE Transactions on Sustainable Energy*, **2018**, 9, 1844-1856	8.2	26

149	Scenario Map Based Stochastic Unit Commitment. *IEEE Transactions on Power Systems*, **2018**, 33, 4694-4705	7	22
148	Optimal operation strategy for distributed battery aggregator providing energy and ancillary services. *Journal of Modern Power Systems and Clean Energy*, **2018**, 6, 722-732	4	20
147	Economic justification of concentrating solar power in high renewable energy penetrated power systems. *Applied Energy*, **2018**, 222, 649-661	10.7	43
146	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	7	5
145	An Efficient Approach to Power System Uncertainty Analysis With High-Dimensional Dependencies. *IEEE Transactions on Power Systems*, **2018**, 33, 2984-2994	7	82
144	Embedding based quantile regression neural network for probabilistic load forecasting. *Journal of Modern Power Systems and Clean Energy*, **2018**, 6, 244-254	4	32
143	An algorithm for practical power curve estimation of wind turbines. *CSEE Journal of Power and Energy Systems*, **2018**, 4, 93-102	2.3	9
142	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	10.7	36
141	Optimal Planning Strategy for Distributed Energy Resources Considering Structural Transmission Cost Allocation. *IEEE Transactions on Smart Grid*, **2018**, 9, 5236-5248	10.7	22
140	Decision-Making Models for the Participants in Cloud Energy Storage. *IEEE Transactions on Smart Grid*, **2018**, 9, 5512-5521	10.7	44
139	Optimal Power Flow in AC/DC Grids With Discrete Control Devices. *IEEE Transactions on Power Systems*, **2018**, 33, 1461-1472	7	37
138	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	7	116
137	Effect of Natural Gas Flow Dynamics in Robust Generation Scheduling Under Wind Uncertainty. *IEEE Transactions on Power Systems*, **2018**, 33, 2087-2097	7	74
136	Mixed-integer linear programming-based optimal configuration planning for energy hub: Starting from scratch. *Applied Energy*, **2018**, 210, 1141-1150	10.7	130
135	Power generation scheduling considering stochastic emission limits. *International Journal of Electrical Power and Energy Systems*, **2018**, 95, 374-383	5.1	15
134	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	5.1	26
133	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	2.4	19
132	The Role of Concentrating Solar Power Toward High Renewable Energy Penetrated Power Systems. *IEEE Transactions on Power Systems*, **2018**, 33, 6630-6641	7	80

131	Automatic and linearized modeling of energy hub and its flexibility analysis. *Applied Energy*, **2018**, 211, 705-714	10.7	58
130	Fundamental Review of the OPF Problem: Challenges, Solutions, and State-of-the-Art Algorithms. *Journal of Energy Engineering - ASCE*, **2018**, 144, 04017075	1.7	11
129	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	10.7	10
128	Optimal Operation of Hybrid AC/DC Distribution Network with High Penetrated Renewable Energy **2018**,		5
127	Linearized Model for Active and Reactive LMP Considering Bus Voltage Constraints **2018**,		3
126	Constructing Probabilistic Load Forecast From Multiple Point Forecasts: A Bootstrap Based Approach **2018**,		2
125	On Normality Assumption in Residual Simulation for Probabilistic Load Forecasting. *IEEE Transactions on Smart Grid*, **2017**, 8, 1046-1053	10.7	54
124	Decentralized Intraday Generation Scheduling for Multiarea Power Systems via Dynamic Multiplier-Based Lagrangian Relaxation. *IEEE Transactions on Power Systems*, **2017**, 32, 454-463	7	26
123	LMP Revisited: A Linear Model for the Loss-Embedded LMP. *IEEE Transactions on Power Systems*, **2017**, 32, 4080-4090	7	36
122	Distributed real-time demand response based on Lagrangian multiplier optimal selection approach. *Applied Energy*, **2017**, 190, 949-959	10.7	28
121	Optimal joint-dispatch of energy and reserve for CCHP-based microgrids. *IET Generation, Transmission and Distribution*, **2017**, 11, 785-794	2.5	62
120	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	2.4	29
119	Analysis of transmission expansion planning considering consumption-based carbon emission accounting. *Applied Energy*, **2017**, 193, 232-242	10.7	23
118	Long-term coordination of transmission and storage to integrate wind power. *CSEE Journal of Power and Energy Systems*, **2017**, 3, 36-43	2.3	32
117	Electricity production scheduling under uncertainty: Max social welfare vs. min emission vs. max renewable production. *Applied Energy*, **2017**, 193, 540-549	10.7	16
116	Cooperation of Wind Power and Battery Storage to Provide Frequency Regulation in Power Markets. *IEEE Transactions on Power Systems*, **2017**, 32, 3559-3568	7	95
115	Cloud energy storage for residential and small commercial consumers: A business case study. *Applied Energy*, **2017**, 188, 226-236	10.7	78
114	A State-Independent Linear Power Flow Model With Accurate Estimation of Voltage Magnitude. *IEEE Transactions on Power Systems*, **2017**, 32, 3607-3617	7	109

113	Dependent Discrete Convolution Based Probabilistic Load Flow for the Active Distribution System. *IEEE Transactions on Sustainable Energy*, **2017**, 8, 1000-1009	8.2	56
112	Linear three-phase power flow for unbalanced active distribution networks with PV nodes. *CSEE Journal of Power and Energy Systems*, **2017**, 3, 321-324	2.3	47
111	Stochastic scheduling ensuring air quality through wind power and storage coordination. *IET Generation, Transmission and Distribution*, **2017**, 11, 2031-2040	2.5	4
110	A Nash-Cournot approach to assessing flexible ramping products. *Applied Energy*, **2017**, 206, 42-50	10.7	13
109	Optimal bidding strategy for microgrids in joint energy and ancillary service markets considering flexible ramping products. *Applied Energy*, **2017**, 205, 294-303	10.7	91
108	Integrated Energy Systems for Higher Wind Penetration in China: Formulation, Implementation, and Impacts. *IEEE Transactions on Power Systems*, **2017**, 1-1	7	23
107	Corrective receding horizon scheduling of flexible distributed multi-energy microgrids. *Applied Energy*, **2017**, 207, 176-194	10.7	54
106	Review and prospect of integrated demand response in the multi-energy system. *Applied Energy*, **2017**, 202, 772-782	10.7	225
105	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	10.7	55
104	Transmission capacity margin in market clearing. *Electric Power Systems Research*, **2017**, 143, 682-691	3.5	1
103	Managing Wind Power Uncertainty Through Strategic Reserve Purchasing. *IEEE Transactions on Power Systems*, **2017**, 32, 2547-2559	7	33
102	Optimal transmission conversion from alternating current to high voltage direct current transmission systems for limiting short circuit currents. *Energy*, **2017**, 118, 545-555	7.9	0
101	A novel network model for optimal power flow with reactive power and network losses. *Electric Power Systems Research*, **2017**, 144, 63-71	3.5	29
100	Optimal Reactive Power Dispatch With Accurately Modeled Discrete Control Devices: A Successive Linear Approximation Approach. *IEEE Transactions on Power Systems*, **2017**, 32, 2435-2444	7	44
99	Sparse and Redundant Representation-Based Smart Meter Data Compression and Pattern Extraction. *IEEE Transactions on Power Systems*, **2017**, 32, 2142-2151	7	74
98	Low-carbon economic dispatch for integrated heat and power systems considering network constraints. *Journal of Engineering*, **2017**, 2017, 2628-2633	0.7	4
97	Modeling the transient security constraints of natural gas network in day-ahead power system scheduling **2017**,		1
96	Solving OPF using linear approximations: fundamental analysis and numerical demonstration. *IET Generation, Transmission and Distribution*, **2017**, 11, 4115-4125	2.5	30

95	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	10.7	16
94	Optimal Transmission Switching With Short-Circuit Current Limitation Constraints. *IEEE Transactions on Power Systems*, **2016**, 31, 1278-1288	7	34
93	A Game Theoretical Pricing Mechanism for Multi-Area Spinning Reserve Trading Considering Wind Power Uncertainty. *IEEE Transactions on Power Systems*, **2016**, 31, 1084-1095	7	23
92	Evaluating the impacts of flexible ramping products on the market equilibrium **2016**,		2
91	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	10.7	148
90	Cross-domain feature selection and coding for household energy behavior. *Energy*, **2016**, 107, 9-16	7.9	18
89	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	10.7	206
88	Robust Optimization-Based Resilient Distribution Network Planning Against Natural Disasters. *IEEE Transactions on Smart Grid*, **2016**, 7, 2817-2826	10.7	265
87	Optimal Offering Strategy for Concentrating Solar Power Plants in Joint Energy, Reserve and Regulation Markets. *IEEE Transactions on Sustainable Energy*, **2016**, 7, 1245-1254	8.2	80
86	Copula Based Dependent Discrete Convolution for Power System Uncertainty Analysis. *IEEE Transactions on Power Systems*, **2016**, 31, 5204-5205	7	31
85	Coordination of Generation Maintenance Scheduling in Electricity Markets. *IEEE Transactions on Power Systems*, **2016**, 31, 4565-4574	7	19
84	Coordination of generation maintenance scheduling and long-term SCUC with energy constraints and N □ contingencies. *IET Generation, Transmission and Distribution*, **2016**, 10, 325-333	2.5	7
83	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	8.2	82
82	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	2.3	10
81	A Two-Level Approach to AC Optimal Transmission Switching With an Accelerating Technique. *IEEE Transactions on Power Systems*, **2016**, 1-1	7	13
80	Residential smart meter data compression and pattern extraction via non-negative K-SVD **2016**,		3
79	Evaluating the spatial correlations of multi-area load forecasting errors **2016**,		2
78	Smart Metering Load Data Compression Based on Load Feature Identification. *IEEE Transactions on Smart Grid*, **2016**, 7, 2414-2422	10.7	46

77	Pool equilibria including strategic storage. *Applied Energy*, **2016**, 177, 260-270	10.7	30
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