

# Qinglai Guo

## List of Publications by Year in descending order

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203  
papers

5,425  
citations

81900

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102487

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g-index

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203  
docs citations

203  
times ranked

3323  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Byzantine-Resilient Distributed Peer-to-Peer Energy Management Approach. IEEE Transactions on Smart Grid, 2023, 14, 623-634.	9.0	2
2	Two-Stage Planning for Electricity-Gas Coupled Integrated Energy System With Carbon Capture, Utilization, and Storage Considering Carbon Tax and Price Uncertainties. IEEE Transactions on Power Systems, 2023, 38, 2553-2565.	6.5	8
3	Interpretable Neighborhood Deep Models for Online Total Transfer Capability Evaluation of Power Systems. IEEE Transactions on Power Systems, 2022, 37, 260-271.	6.5	9
4	Exploiting the Flexibility Inside Park-Level Commercial Buildings Considering Heat Transfer Time Delay: A Memory-Augmented Deep Reinforcement Learning Approach. IEEE Transactions on Sustainable Energy, 2022, 13, 207-219.	8.8	17
5	Novel properties of heterogeneous delay in inverter-based cyber-physical microgrids under fully distributed control. Applied Energy, 2022, 306, 118102.	10.1	5
6	Leverage Reactive Power Ancillary Service Under High Penetration of Renewable Energies: An Incentive-Compatible Obligation-Based Market Mechanism. IEEE Transactions on Power Systems, 2022, 37, 2919-2933.	6.5	6
7	Optimal Dispatch Based on Aggregated Operation Region of EV Considering Spatio-Temporal Distribution. IEEE Transactions on Sustainable Energy, 2022, 13, 715-731.	8.8	23
8	Mechanism design for data sharing: An electricity retail perspective. Applied Energy, 2022, 314, 118871.	10.1	7
9	On the Real-Time Quantification of Flexibility Provided by District Heating Networks Considering Dynamic Temperature Distribution. IEEE Transactions on Sustainable Energy, 2022, 13, 1666-1680.	8.8	5
10	Short-Term Voltage Stability-Constrained Unit Commitment for Receiving-End Grid With Multi-Infeed HVDCs. IEEE Transactions on Power Systems, 2021, 36, 2603-2613.	6.5	17
11	Nontechnical Losses Detection Through Coordinated BiWGAN and SVDD. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1866-1880.	11.3	23
12	Integrated Heat and Electricity Dispatch for District Heating Networks With Constant Mass Flow: A Generalized Phasor Method. IEEE Transactions on Power Systems, 2021, 36, 426-437.	6.5	21
13	Privacy preservation method for MIQP-based energy management problem: A cloud-edge framework. Electric Power Systems Research, 2021, 190, 106850.	3.6	6
14	Analyzing power and dynamic traffic flows in coupled power and transportation networks. Renewable and Sustainable Energy Reviews, 2021, 135, 110083.	16.4	29
15	Generalized phasor modeling of dynamic gas flow for integrated electricity-gas dispatch. Applied Energy, 2021, 283, 116153.	10.1	15
16	Dynamic pricing for integrated energy-traffic systems from a cyber-physical-human perspective. Renewable and Sustainable Energy Reviews, 2021, 136, 110419.	16.4	17
17	Aggregating Additional Flexibility From Quick-Start Devices for Multi-Energy Virtual Power Plants. IEEE Transactions on Sustainable Energy, 2021, 12, 646-658.	8.8	32
18	Improving Flexibility for Microgrids by Coordinated Optimization of Electricity and Steam Networks. IEEE Transactions on Sustainable Energy, 2021, 12, 314-324.	8.8	11

#	ARTICLE	IF	CITATIONS
19	A Data-Driven Warm Start Approach for Convex Relaxation in Optimal Gas Flow. IEEE Transactions on Power Systems, 2021, 36, 5948-5951.	6.5	6
20	A data-driven approach towards fast economic dispatch in electricity-gas coupled systems based on artificial neural network. Applied Energy, 2021, 286, 116480.	10.1	25
21	Data valuation for decision-making with uncertainty in energy transactions: A case of the two-settlement market system. Applied Energy, 2021, 288, 116643.	10.1	18
22	Reconfiguration of District Heating Network for Operational Flexibility Enhancement in Power System Unit Commitment. IEEE Transactions on Sustainable Energy, 2021, 12, 1161-1173.	8.8	19
23	Power-traffic network equilibrium incorporating behavioral theory: A potential game perspective. Applied Energy, 2021, 289, 116703.	10.1	24
24	Modeling of Time-Delayed Distributed Cyber-Physical Power Systems for Small-Signal Stability Analysis. IEEE Transactions on Smart Grid, 2021, 12, 3425-3437.	9.0	41
25	The impact of synchronous distributed control period on inverter-based cyber-physical microgrids stability with time delay. Applied Energy, 2021, 301, 117440.	10.1	8
26	Coordinated pricing of coupled urban Power-Traffic Networks: The value of information sharing. Applied Energy, 2021, 301, 117428.	10.1	24
27	On the resilience of modern power systems: A comprehensive review from the cyber-physical perspective. Renewable and Sustainable Energy Reviews, 2021, 152, 111642.	16.4	44
28	Robust Regional Coordination of Inverter-Based Volt/Var Control via Multi-Agent Deep Reinforcement Learning. IEEE Transactions on Smart Grid, 2021, 12, 5420-5433.	9.0	29
29	A distributed deep reinforcement learning-based approach for fast preventive control considering transient stability constraints. CSEE Journal of Power and Energy Systems, 2021, , .	1.1	4
30	Comprehensive Analysis of Data Value and Its Properties in Electricity and Data Transactions. , 2021, , .		1
31	The Subarea Aggregation Model of Fast Charging Electric Vehicles. , 2021, , .		1
32	Information Flow Based Cyber-Physical Power System Modeling and Simulation. , 2021, , .		3
33	Information-Flow-Based Cyber - Physical Testbed for Power System Considering Cyber Contingency. , 2021, , .		1
34	An Active Defense Mechanism for Cyber-Physical Power Systems Against Data Integrity Attack on ADMM-Based Economic Dispatch. , 2021, , .		0
35	A Cyber Risk Assessment and Detection Method for Power Systems Against Data Integrity Attack on Load Frequency Control. , 2021, , .		1
36	Bi-Objective Power-Traffic Pricing Coordination: Incorporating User Choice Stochasticity. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
37	Internet of Things technology and applications for clean energy systems. Energy Conversion and Economics, 2021, 2, 183-185.	3.2	1
38	Distribution-Free Probability Density Forecast Through Deep Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 612-625.	11.3	26
39	A model and data hybrid-driven short-term voltage stability real-time monitoring method. International Journal of Electrical Power and Energy Systems, 2020, 114, 105373.	5.5	24
40	Coordinated Dispatch of Integrated Electric and District Heating Systems Using Heterogeneous Decomposition. IEEE Transactions on Sustainable Energy, 2020, 11, 1495-1507.	8.8	39
41	A Distributed EV Navigation Strategy Considering the Interaction Between Power System and Traffic Network. IEEE Transactions on Smart Grid, 2020, 11, 3545-3557.	9.0	45
42	A Hybrid State Estimation Approach for Integrated Heat and Electricity Networks Considering Time-scale Characteristics. Journal of Modern Power Systems and Clean Energy, 2020, 8, 636-645.	5.4	22
43	A stochastic distribution system planning method considering regulation services and energy storage degradation. Applied Energy, 2020, 277, 115520.	10.1	19
44	Deployment of the Electric Vehicle Charging Station Considering Existing Competitors. IEEE Transactions on Smart Grid, 2020, 11, 4236-4248.	9.0	40
45	Statistical Machine Learning Model for Stochastic Optimal Planning of Distribution Networks Considering a Dynamic Correlation and Dimension Reduction. IEEE Transactions on Smart Grid, 2020, 11, 2904-2917.	9.0	87
46	Decomposition approach for the interdependency analysis of integrated power and transportation systems. IET Smart Grid, 2020, 3, 825-834.	2.2	5
47	Integrated pricing framework for optimal power and semi-dynamic traffic flow problem. IET Renewable Power Generation, 2020, 14, 3636-3643.	3.1	8
48	Dimension Reduction Based Short-Term Voltage Security Preventive Control. , 2020, , .		3
49	A Synchronous Iterative Method of Power Flow in Inter-Connected Power Grids Considering Privacy Preservation: A CPS Perspective. , 2020, , .		1
50	Data-Driven Robust Voltage/VAR Control Using PV Inverters in Active Distribution Networks. , 2020, , .		1
51	Robust Voltage Control Strategy for Hybrid AC/DC Sending-Side Systems to Prevent Cascading Trip Failures. IEEE Transactions on Sustainable Energy, 2019, 10, 1319-1329.	8.8	17
52	A water mass method and its application to integrated heat and electricity dispatch considering thermal inertias. Energy, 2019, 181, 840-852.	8.8	33
53	Robust planning-operation co-optimization of energy hub considering precise model of batteries™ economic efficiency. Energy Procedia, 2019, 158, 6496-6501.	1.8	14
54	Utilizing Unlabeled Data to Detect Electricity Fraud in AMI: A Semisupervised Deep Learning Approach. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3287-3299.	11.3	65

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55	Two-stage robust planning-operation co-optimization of energy hub considering precise energy storage economic model. <i>Applied Energy</i> , 2019, 252, 113372.	10.1	99
56	A generalized quasi-dynamic model for electric-heat coupling integrated energy system with distributed energy resources. <i>Applied Energy</i> , 2019, 251, 113270.	10.1	84
57	Robust Estimation of Reactive Power for an Active Distribution System. <i>IEEE Transactions on Power Systems</i> , 2019, 34, 3395-3407.	6.5	23
58	A deep learning approach for power system knowledge discovery based on multitask learning. <i>IET Generation, Transmission and Distribution</i> , 2019, 13, 733-740.	2.5	16
59	Generalized Locational Marginal Pricing in a Heat-and-Electricity-Integrated Market. <i>IEEE Transactions on Smart Grid</i> , 2019, 10, 6414-6425.	9.0	40
60	Review of Challenges and Research Opportunities for Voltage Control in Smart Grids. <i>IEEE Transactions on Power Systems</i> , 2019, 34, 2790-2801.	6.5	270
61	A Novel Privacy Protection Framework for Power Generation Data based on Generative Adversarial Networks. , 2019, , .		4
62	Prospects for Energy Internet of Agricultural Engineering in China. , 2019, , .		5
63	Rule Extraction-based Data Augmentation Method for Transient Instability Identification of Power Systems Using Machine Learning. , 2019, , .		0
64	Adaptive Robust Planning-Operation Co-optimization of Energy Hubs with Modified Column-and-Constraint Generation Algorithm. , 2019, , .		4
65	A Game-Theoretic Approach to Analyzing Equilibria in Coupled Power and Transportation Networks. , 2019, , .		4
66	From Uncertainty Elimination to Profit Enhancement: Role of Data in Demand Response. , 2019, , .		9
67	A novel data-driven approach for transient stability prediction of power systems considering the operational variability. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 107, 379-394.	5.5	87
68	Generalized Master-Slave-Splitting Method and Application to Transmission-Distribution Coordinated Energy Management. <i>IEEE Transactions on Power Systems</i> , 2019, 34, 5169-5183.	6.5	46
69	Robust Routing Optimization for Smart Grids Considering Cyber-Physical Interdependence. <i>IEEE Transactions on Smart Grid</i> , 2019, 10, 5620-5629.	9.0	56
70	A deep spatial-temporal data-driven approach considering microclimates for power system security assessment. <i>Applied Energy</i> , 2019, 237, 36-48.	10.1	38
71	Decentralized Unit Commitment in Integrated Heat and Electricity Systems Using SDM-GS-ALM. <i>IEEE Transactions on Power Systems</i> , 2019, 34, 2322-2333.	6.5	31
72	A two-level hierarchical discrete-device control method for power networks with integrated wind farms. <i>Journal of Modern Power Systems and Clean Energy</i> , 2019, 7, 88-98.	5.4	6

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73	Coordination on Industrial Load Control and Climate Control in Manufacturing Industry Under TOU Prices. IEEE Transactions on Smart Grid, 2019, 10, 139-152.	9.0	23
74	Distributed Discrete Robust Secondary Cooperative Control for Islanded Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 3620-3629.	9.0	41
75	Abductive identification of bad data: methodology and field test. IET Generation, Transmission and Distribution, 2018, 12, 150-159.	2.5	5
76	A Distributed Transmission-Distribution-Coupled Static Voltage Stability Assessment Method Considering Distributed Generation. IEEE Transactions on Power Systems, 2018, 33, 2621-2632.	6.5	62
77	Dynamic reactive power reserve optimisation in wind power integration areas. IET Generation, Transmission and Distribution, 2018, 12, 507-517.	2.5	15
78	A Distributionally Robust Optimization Model for Unit Commitment Based on Kullback-Leibler Divergence. IEEE Transactions on Power Systems, 2018, 33, 5147-5160.	6.5	122
79	EMS communication routings <sup>TM</sup> optimisation to enhance power system security considering cyber-physical interdependence. IET Cyber-Physical Systems: Theory and Applications, 2018, 3, 44-53.	3.3	10
80	Coordinated Transmission and Distribution AC Optimal Power Flow. IEEE Transactions on Smart Grid, 2018, 9, 1228-1240.	9.0	147
81	A New LMP-Sensitivity-Based Heterogeneous Decomposition for Transmission and Distribution Coordinated Economic Dispatch. IEEE Transactions on Smart Grid, 2018, 9, 931-941.	9.0	76
82	Information Masking Theory for Data Protection in Future Cloud-Based Energy Management. IEEE Transactions on Smart Grid, 2018, 9, 5664-5676.	9.0	18
83	An Improved Real-Time Short-Term Voltage Stability Monitoring Method Based on Phase Rectification. IEEE Transactions on Power Systems, 2018, 33, 1068-1070.	6.5	22
84	Crucial Power Transfer Interface Identification Based on Deep Learning and Bagging Strategy. , 2018, , .		1
85	A Numerical Observability Analysis Method for Combined Electric-Gas Networks. , 2018, , .		0
86	Looped Network Oriented Distributed Power Routing Method with the Operation of Phase Shifters. , 2018, , .		0
87	Graph Database and Graph Computing for Cyber-Physical Power Systems. , 2018, , .		1
88	Dynamic VAR Planning in HVDC Receiving-End Power Grid Considering Short-Term Voltage Stability. , 2018, , .		3
89	Reactive Power and Voltage Control in VSC-HVDC Connected Wind Farms Considering Stochastic Wind Power. , 2018, , .		0
90	Network Parameter Estimation for District Heating System. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
91	Research on Collaborative Optimization Model of Park-level Integrated Energy System Participating in Power Peak Shaving. , 2018, , .		3
92	Static voltage stability margin considering the coupling of natural gas and power system. , 2018, , .		2
93	Practical short-term voltage stability index based on voltage curves: definition, verification and case studies. IET Generation, Transmission and Distribution, 2018, 12, 4292-4300.	2.5	28
94	Improved Model of CHP System Considering Heat Exchanger Capacity. , 2018, , .		0
95	Stochastic User Equilibrium in Charging Station Selection Based on Discrete Choice Model. , 2018, , .		4
96	Steady-State Model of Energy Stations Considering Thermodynamic Properties. , 2018, , .		0
97	Transient Stability Assessment of Power Systems Using Cost-sensitive Deep Learning Approach. , 2018, , .		15
98	A transient profile forecasting method based on PMU measurements for monitoring and control of short-term voltage instability. , 2018, , .		3
99	Confidentiality preservation in user-side integrated energy system management for cloud computing. Applied Energy, 2018, 231, 1230-1245.	10.1	14
100	Day-ahead voltage scheduling method based on a two-stage robust optimisation for VSC-HVDC connected wind farms. IET Renewable Power Generation, 2018, 12, 1470-1477.	3.1	3
101	A Response-Function-Based Coordination Method for Transmission - Distribution-Coupled AC OPF. , 2018, , .		8
102	Integrated Energy Management System: Concept, Design, and Demonstration in China. IEEE Electrification Magazine, 2018, 6, 42-50.	1.8	80
103	A Distributed Computing Platform Supporting Power System Security Knowledge Discovery Based on Online Simulation. IEEE Transactions on Smart Grid, 2017, 8, 1513-1524.	9.0	33
104	Fatigue Load Sensitivity-Based Optimal Active Power Dispatch For Wind Farms. IEEE Transactions on Sustainable Energy, 2017, 8, 1247-1259.	8.8	60
105	Probabilistic power flow analysis considering the dependence between power and heat. Applied Energy, 2017, 191, 582-592.	10.1	41
106	Impact of Coupled Transmission-Distribution on Static Voltage Stability Assessment. IEEE Transactions on Power Systems, 2017, 32, 3311-3312.	6.5	30
107	Information-Energy Flow Computation and Cyber-Physical Sensitivity Analysis for Power Systems. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2017, 7, 329-341.	3.6	43
108	A robust aggregate model and the two-stage solution method to incorporate energy intensive enterprises in power system unit commitment. Applied Energy, 2017, 206, 1364-1378.	10.1	27

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109	EV charging behaviour analysis and modelling based on mobile crowdsensing data. IET Generation, Transmission and Distribution, 2017, 11, 1683-1691.	2.5	38
110	Voltage security regions considering wind power curtailment to prevent cascading trip faults in wind power integration areas. IET Renewable Power Generation, 2017, 11, 54-62.	3.1	16
111	Feasible region method based integrated heat and electricity dispatch considering building thermal inertia. Applied Energy, 2017, 192, 395-407.	10.1	164
112	State estimation for steam networks considering drainage and parameter uncertainties. , 2017, , .		2
113	A multi-objective evaluation method for distributed integrated energy system. , 2017, , .		3
114	Building energy management based on demand response strategy considering dynamic thermal characteristic. , 2017, , .		3
115	Applying blockchain technology to decentralized operation in future energy internet. , 2017, , .		39
116	Charging station selection optimization based on electric and traffic information. , 2017, , .		2
117	Dynamic reactive power optimal allocation to decrease wind power curtailment in a large-scale wind power integration area. IET Renewable Power Generation, 2017, 11, 1667-1678.	3.1	33
118	Study on the dynamic reactive power characteristics of MMC-MTDC for wind farm integration. Journal of Engineering, 2017, 2017, 691-695.	1.1	1
119	A two-level voltage stability monitoring method based on P-V sensitivity assessment. , 2017, , .		0
120	Robust optimal shunt dispatch method in wind farm integration area. Journal of Engineering, 2017, 2017, 1829-1832.	1.1	2
121	Cyber-physical security assessment and simulation based on graph database. , 2017, , .		1
122	Optimal dispatch model for district heating network based on interior-point method. , 2017, , .		2
123	A future outlook for cyber-physical power system. , 2017, , .		14
124	Data driven method for transient stability prediction of power systems considering incomplete measurements. , 2017, , .		4
125	A distributed power routing method between regional markets based on Bellman-Ford algorithm. , 2017, , .		2
126	Nash bargain and complementarity approach based efficient/economic dispatch in combined cooling heating and power system. , 2017, , .		3



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127	A routing optimization model for EMS of power systems considering cyber-physical interdependence. , 2017, , .		2
128	Influence of N-1 contingency in natural gas system on power system. , 2017, , .		5
129	Heating network quasi-dynamic model of multi-energy flow system based on forward method. , 2017, , .		2
130	Case studies of demand response in multi-energy industrial parks. , 2017, , .		7
131	Realization and application of PSASP-MATLAB associated mixed step simulation based on engine calling mode. , 2017, , .		1
132	Equivalencing-based tracking-based method for incorporating distributed energy resources in transmission system economic dispatch. Journal of Engineering, 2017, 2017, 1029-1034.	1.1	1
133	Dynamic reactive power optimal allocation to reduce cascading risks based on SVM. , 2016, , .		0
134	Real-time analysis of transient voltage security based on off-line database and data fitting. , 2016, , .		1
135	Autonomous Voltage Security Regions to Prevent Cascading Trip Faults in Wind Turbine Generators. IEEE Transactions on Sustainable Energy, 2016, 7, 1306-1316.	8.8	25
136	Coordinated Voltage Control of a Wind Farm Based on Model Predictive Control. IEEE Transactions on Sustainable Energy, 2016, 7, 1440-1451.	8.8	79
137	ADMM-based decentralized demand response method in electric vehicle virtual power plant. , 2016, , .		5
138	Robust unit commitment considering reserve from grid-scale energy storage. , 2016, , .		2
139	Crucial power flow interface discrimination based on distributed improved-SVM classification in a big data set. , 2016, , .		3
140	Power system multi-day stochastic scheduling considering the uncertainty of CSP/wind plants. , 2016, , .		1
141	Cyber-physical assessment and comparison between centralized and distributed control mode in coordinated substation voltage control. , 2016, , .		4
142	Research on state estimation for combined heat and power networks. , 2016, , .		1
143	A Robust Two-Level Coordinated Static Voltage Security Region for Centrally Integrated Wind Farms. IEEE Transactions on Smart Grid, 2016, 7, 460-470.	9.0	43
144	Sufficient Conditions for Exact Relaxation of Complementarity Constraints for Storage-Concerned Economic Dispatch. IEEE Transactions on Power Systems, 2016, 31, 1653-1654.	6.5	86

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145	Transmission Contingency Screening Considering Impacts of Distribution Grids. IEEE Transactions on Power Systems, 2016, 31, 1659-1660.	6.5	20
146	Coordinated Economic Dispatch of Coupled Transmission and Distribution Systems Using Heterogeneous Decomposition. IEEE Transactions on Power Systems, 2016, 31, 4817-4830.	6.5	149
147	Interactions of district electricity and heating systems considering time-scale characteristics based on quasi-steady multi-energy flow. Applied Energy, 2016, 167, 230-243.	10.1	202
148	Multivariate statistical analysis-based power-grid-partitioning method. IET Generation, Transmission and Distribution, 2016, 10, 1023-1031.	2.5	14
149	A Generation-Interval-Based Mechanism for Managing the Power Generation Uncertainties of Variable Generation. IEEE Transactions on Sustainable Energy, 2016, 7, 1060-1070.	8.8	5
150	Optimal active power control of a wind farm equipped with energy storage system based on distributed model predictive control. IET Generation, Transmission and Distribution, 2016, 10, 669-677.	2.5	50
151	Automatic Learning of Fine Operating Rules for Online Power System Security Control. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1708-1719.	11.3	26
152	Exact Penalty Function Based Constraint Relaxation Method for Optimal Power Flow Considering Wind Generation Uncertainty. IEEE Transactions on Power Systems, 2015, 30, 1546-1547.	6.5	19
153	A secondary voltage control method for an AC/DC coupled transmission system based on model predictive control. , 2015, , .		0
154	Voltage security analysis with high PVs penetration considering the interaction of transmission and distribution grids: Case studies. , 2015, , .		2
155	Transmission Contingency Analysis Based on Integrated Transmission and Distribution Power Flow in Smart Grid. IEEE Transactions on Power Systems, 2015, 30, 3356-3367.	6.5	70
156	A Two-Level Distributed Approach to Power Network Modeling. IEEE Transactions on Power Delivery, 2015, 30, 1496-1504.	4.3	4
157	Reducing Generation Uncertainty by Integrating CSP With Wind Power: An Adaptive Robust Optimization-Based Analysis. IEEE Transactions on Sustainable Energy, 2015, 6, 583-594.	8.8	92
158	Distributed Model Predictive Control of a Wind Farm for Optimal Active Power ControlPart I: Clustering-Based Wind Turbine Model Linearization. IEEE Transactions on Sustainable Energy, 2015, 6, 831-839.	8.8	130
159	Distributed Model Predictive Control of a Wind Farm for Optimal Active Power ControlPart II: Implementation With Clustering-Based Piece-Wise Affine Wind Turbine Model. IEEE Transactions on Sustainable Energy, 2015, 6, 840-849.	8.8	80
160	Cyber-Physical Modeling and Cyber-Contingency Assessment of Hierarchical Control Systems. IEEE Transactions on Smart Grid, 2015, 6, 2375-2385.	9.0	168
161	Impacts of optimization interval on home energy scheduling for thermostatically controlled appliances. CSEE Journal of Power and Energy Systems, 2015, 1, 90-100.	1.1	18
162	Profit-seeking energy-intensive enterprises participating in power system scheduling: Model and mechanism. Applied Energy, 2015, 158, 263-274.	10.1	21

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163	A robust method based storage aggregator model for grid dispatch. , 2015, , .		0
164	Optimal siting and sizing of Energy Storage System for power systems with large-scale wind power integration. , 2015, , .		17
165	Hierarchical automatic voltage control for integration of large-scale wind power: Design and implementation. Electric Power Systems Research, 2015, 120, 234-241.	3.6	74
166	Interval Power Flow Analysis Using Linear Relaxation and Optimality-Based Bounds Tightening (OBBT) Methods. IEEE Transactions on Power Systems, 2015, 30, 177-188.	6.5	62
167	Master-Slave Splitting Based Distributed Global Power Flow Method for Integrated Transmission and Distribution Analysis. IEEE Transactions on Smart Grid, 2015, 6, 1484-1492.	9.0	191
168	A Load Fluctuation Characteristic Index and Its Application to Pilot Node Selection. Energies, 2014, 7, 115-129.	3.1	7
169	A Static Voltage Security Region for Centralized Wind Power Integration-Part II: Applications. Energies, 2014, 7, 444-461.	3.1	14
170	A Static Voltage Security Region for Centralized Wind Power Integration-Part I: Concept and Method. Energies, 2014, 7, 420-443.	3.1	12
171	Fast Coordinated Control of DFIG Wind Turbine Generators for Low and High Voltage Ride-Through. Energies, 2014, 7, 4140-4156.	3.1	26
172	A decentralized optimization method to track electric vehicle aggregator's optimal charging plan. , 2014, , .		6
173	A V2G prototype system: Design, field test and discussion. , 2014, , .		0
174	Wind farm side optimal power flow based on DistFlow and SOCP: Model and case study. , 2014, , .		3
175	Research on the optimization of combined heat and power microgrids with renewable energy. , 2014, , .		6
176	A systematic study of system-wide automatic coordinated voltage control for TNB system. , 2014, , .		1
177	Rapid-Charging Navigation of Electric Vehicles Based on Real-Time Power Systems and Traffic Data. IEEE Transactions on Smart Grid, 2014, 5, 1969-1979.	9.0	146
178	Absolute Value Constraint Based Method for Interval Optimization to SCED Model. IEEE Transactions on Power Systems, 2014, 29, 980-981.	6.5	23
179	Dynamic Economic Dispatch Using Lagrangian Relaxation With Multiplier Updates Based on a Quasi-Newton Method. IEEE Transactions on Power Systems, 2013, 28, 4516-4527.	6.5	86
180	Optimal Voltage Control of PJM Smart Transmission Grid: Study, Implementation, and Evaluation. IEEE Transactions on Smart Grid, 2013, 4, 1665-1674.	9.0	37

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181	An Adaptive Zone-Division-Based Automatic Voltage Control System With Applications in China. IEEE Transactions on Power Systems, 2013, 28, 1816-1828.	6.5	91
182	Emission-Concerned Wind-EV Coordination on the Transmission Grid Side With Network Constraints: Concept and Case Study. IEEE Transactions on Smart Grid, 2013, 4, 1692-1704.	9.0	75
183	TOU-based optimal energy management for smart home. , 2013, , .		9
184	Design of an online intelligent alarming system for cascading failures of group of wind farms. , 2013, , .		1
185	A Spinning Reserve Allocation Method for Power Generation Dispatch Accommodating Large-Scale Wind Power Integration. Energies, 2013, 6, 5357-5381.	3.1	16
186	A quadratic robust optimization model for automatic voltage control on wind farm side. , 2013, , .		1
187	A hybrid simulation method for EVs' operation considering power grid and traffic information. , 2013, , .		2
188	Power system online security operational trend analysis and simulation results. , 2013, , .		3
189	Reactive power substitution between rapid and slow dynamic var compensators. , 2013, , .		0
190	Family of energy management system for smart grid. , 2012, , .		6
191	An online intelligent alarm-processing system based on abductive reasoning network. , 2012, , .		9
192	Real-time local voltage stability monitoring based on PMU and recursive least square method with variable forgetting factors. , 2012, , .		5
193	Two-level distributed modeling of protection device based on IEC 61850. , 2012, , .		3
194	GPF-based method for evaluating EVs' free charging impacts in distribution system. , 2012, , .		0
195	A sensitivity based simplified model for security constrained optimal power flow. , 2012, , .		4
196	Network model based coordinated automatic voltage control strategy for wind farm. , 2012, , .		5
197	Distributed Automatic Voltage Control framework for large-scale wind integration in China. , 2012, , .		6
198	Study on wind-EV complementation in transmission grid side. , 2011, , .		37

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199	Substation three-phase nonlinear state estimation based on KCL. , 2011, , .		8
200	Research on architecture of ITS based Smart Charging Guide System. , 2011, , .		16
201	Study of system-wide Automatic Voltage Control on PJM system. , 2010, , .		5
202	Preliminary research on power demand model of high energy consumers for smart grid in China. , 2010, , .		0
203	Development and applications of system-wide automatic voltage control system in China. , 2009, , .		28