

# Quan Zhou

## List of Publications by Year in descending order

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339  
papers

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docs citations

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12593  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electric Vehicles for Distribution System Load Pickup Under Stressed Conditions: A Network Equilibrium Approach. IEEE Transactions on Power Systems, 2023, 38, 2304-2317.	4.6	7
2	A Framework for Several Electricity Retailers Cooperatively Implement Demand Response to Distributed Data Center. IEEE Transactions on Smart Grid, 2023, 14, 277-289.	6.2	3
3	Active Fault Current Limitation for Low-Voltage Ride-Through of Networked Microgrids. IEEE Transactions on Power Delivery, 2022, 37, 980-992.	2.9	7
4	A Two-Layer Model for Microgrid Real-Time Scheduling Using Approximate Future Cost Function. IEEE Transactions on Power Systems, 2022, 37, 1264-1273.	4.6	13
5	Proliferation of Small Data Networks for Aggregated Demand Response in Electricity Markets. IEEE Transactions on Power Systems, 2022, 37, 2297-2311.	4.6	6
6	A review of power system protection and asset management with machine learning techniques. Energy Systems, 2022, 13, 855-892.	1.8	21
7	Multi-Stage Distributionally Robust Stochastic Dual Dynamic Programming to Multi-Period Economic Dispatch With Virtual Energy Storage. IEEE Transactions on Sustainable Energy, 2022, 13, 146-158.	5.9	47
8	Distributed Hierarchical Coordination of Networked Charging Stations Based on Peer-to-Peer Trading and EV Charging Flexibility Quantification. IEEE Transactions on Power Systems, 2022, 37, 2961-2975.	4.6	25
9	Hybrid Robust Tri-Level Defense Model Against Multiperiod Uncertain Attacks. IEEE Transactions on Smart Grid, 2022, 13, 3255-3265.	6.2	7
10	A Machine Learning-Based Reliability Evaluation Model for Integrated Power-Gas Systems. IEEE Transactions on Power Systems, 2022, 37, 2527-2537.	4.6	11
11	Multistage Robust Optimization of Routing and Scheduling of Mobile Energy Storage in Coupled Transportation and Power Distribution Networks. IEEE Transactions on Transportation Electrification, 2022, 8, 2583-2594.	5.3	9
12	Distributed Robust Model Predictive Control-Based Energy Management Strategy for Islanded Multi-Microgrids Considering Uncertainty. IEEE Transactions on Smart Grid, 2022, 13, 2107-2120.	6.2	54
13	Optimization of Customer-Side Battery Storage for Multiple Service Provision: Arbitrage, Peak Shaving, and Regulation. IEEE Transactions on Industry Applications, 2022, 58, 2559-2573.	3.3	10
14	A Sequential Black-Start Restoration Model for Resilient Active Distribution Networks. IEEE Transactions on Power Systems, 2022, 37, 3133-3136.	4.6	20
15	Shadow-Price DRL: A Framework for Online Scheduling of Shared Autonomous EVs Fleets. IEEE Transactions on Smart Grid, 2022, 13, 3106-3117.	6.2	10
16	Global quasi-Mittag-Leffler stability of distributed-order BLDCM system. Nonlinear Dynamics, 2022, 108, 2405-2416.	2.7	2
17	Coordinated Planning of Electric Power and Natural Gas Distribution Systems With Refueling Stations for Alternative Fuel Vehicles in Transportation System. IEEE Transactions on Smart Grid, 2022, 13, 3558-3569.	6.2	4
18	Review of Optimization Methods for Energy Hub Planning, Operation, Trading, and Control. IEEE Transactions on Sustainable Energy, 2022, 13, 1802-1818.	5.9	36

#	ARTICLE	IF	CITATIONS
19	Multi-Objective Control of Residential HVAC Loads for Balancing the User's Comfort With the Frequency Regulation Performance. IEEE Transactions on Smart Grid, 2022, 13, 3546-3557.	6.2	14
20	A Privacy-Preserving Distributed Control Strategy in Islanded AC Microgrids. IEEE Transactions on Smart Grid, 2022, 13, 3369-3382.	6.2	3
21	Sequence of operations for real-time control of microgrids and networked microgrids. IET Renewable Power Generation, 2022, 16, 1699-1718.	1.7	1
22	A systematic review of robust control strategies in DC microgrids. Electricity Journal, 2022, 35, 107125.	1.3	10
23	Transient Synchronization Stability Analysis and Enhancement of Paralleled Converters Considering Different Current Injection Strategies. IEEE Transactions on Sustainable Energy, 2022, 13, 1957-1968.	5.9	14
24	Cloud-Based Energy Storage Systems: A shared pool of benefits in distributed electric power systems. IEEE Electrification Magazine, 2022, 10, 82-91.	1.8	2
25	Risk-Based Contingency Screening Method Considering Cyber-Attacks on Substations. IEEE Transactions on Smart Grid, 2022, 13, 4973-4976.	6.2	6
26	Evolution in Computing Paradigms for Internet of Things-Enabled Smart Grid Applications: Their Contributions to Power Systems. IEEE Systems, Man, and Cybernetics Magazine, 2022, 8, 8-20.	1.2	2
27	Optimal Consensus-Based Event-Triggered Control Strategy for Resilient DC Microgrids. IEEE Transactions on Power Systems, 2021, 36, 1807-1818.	4.6	22
28	Multistage Robust Look-Ahead Unit Commitment with Probabilistic Forecasting in Multi-Carrier Energy Systems. IEEE Transactions on Sustainable Energy, 2021, 12, 70-82.	5.9	31
29	Optimal Energy Storage Allocation for Mitigating the Unbalance in Active Distribution Network via Uncertainty Quantification. IEEE Transactions on Sustainable Energy, 2021, 12, 303-313.	5.9	30
30	Multi-Time Scale Coordinated Control and Scheduling of Inverter-Based TCLs With Variable Wind Generation. IEEE Transactions on Sustainable Energy, 2021, 12, 46-57.	5.9	22
31	Aggregated Model of Data Network for the Provision of Demand Response in Generation and Transmission Expansion Planning. IEEE Transactions on Smart Grid, 2021, 12, 512-523.	6.2	26
32	Coordination of Distribution Network Reinforcement and DER Planning in Competitive Market. IEEE Transactions on Smart Grid, 2021, 12, 2261-2271.	6.2	14
33	Convex Relaxation of Combined Heat and Power Dispatch. IEEE Transactions on Power Systems, 2021, 36, 1442-1458.	4.6	34
34	A review of machine learning applications in IoT-integrated modern power systems. Electricity Journal, 2021, 34, 106879.	1.3	38
35	Distribution Network-Constrained Optimization of Peer-to-Peer Transactive Energy Trading Among Multi-Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 1033-1047.	6.2	127
36	Two-Stage Planning of Network-Constrained Hybrid Energy Supply Stations for Electric and Natural Gas Vehicles. IEEE Transactions on Smart Grid, 2021, 12, 2013-2026.	6.2	25

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37	Second-Order Cone Programming for Data-Driven Fluid and Gas Energy Flow With a Tight Reformulation. IEEE Transactions on Power Systems, 2021, 36, 1652-1655.	4.6	8
38	A Real-Time Alternating Direction Method of Multipliers Algorithm for Nonconvex Optimal Power Flow Problem. IEEE Transactions on Industry Applications, 2021, 57, 70-82.	3.3	10
39	Multistage Expansion Planning of Integrated Biogas and Electric Power Delivery System Considering the Regional Availability of Biomass. IEEE Transactions on Sustainable Energy, 2021, 12, 920-930.	5.9	25
40	Convex Optimization of Integrated Power-Gas Energy Flow Model With Applications to Probabilistic Energy Flow. IEEE Transactions on Power Systems, 2021, 36, 1432-1441.	4.6	41
41	Hierarchical Bipartite Graph Matching Method for Transactive V2V Power Exchange in Distribution Power System. IEEE Transactions on Smart Grid, 2021, 12, 301-311.	6.2	31
42	Data-Driven Classifier for Extreme Outage Prediction Based On Bayes Decision Theory. IEEE Transactions on Power Systems, 2021, 36, 4906-4914.	4.6	19
43	Model-Free Adaptive Control of STATCOM for SSO Mitigation in DFIG-Based Wind Farm. IEEE Transactions on Power Systems, 2021, 36, 5282-5293.	4.6	30
44	Decentralized energy management for unbalanced networked microgrids with uncertainty. IET Generation, Transmission and Distribution, 2021, 15, 1922-1938.	1.4	5
45	Reconfiguration of District Heating Network for Operational Flexibility Enhancement in Power System Unit Commitment. IEEE Transactions on Sustainable Energy, 2021, 12, 1161-1173.	5.9	19
46	Observer-Based Resilient Integrated Distributed Control Against Cyberattacks on Sensors and Actuators in Islanded AC Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 1953-1963.	6.2	36
47	A per-unit curve rotated decoupling method for CNN-LSTM based day-ahead load forecasting. IET Generation, Transmission and Distribution, 2021, 15, 2773-2786.	1.4	11
48	Resilient-enhancing critical load restoration using mobile power sources with incomplete information. Sustainable Energy, Grids and Networks, 2021, 26, 100418.	2.3	17
49	Distributed Expansion Planning of Electric Vehicle Dynamic Wireless Charging System in Coupled Power-Traffic Networks. IEEE Transactions on Smart Grid, 2021, 12, 3326-3338.	6.2	16
50	A Decentralized Market Framework for Procurement of Operating Reserves From District Energy Systems. IEEE Transactions on Sustainable Energy, 2021, 12, 1629-1639.	5.9	7
51	Reliability Analyses of Wide-Area Protection System Considering Cyber-Physical System Constraints. IEEE Transactions on Smart Grid, 2021, 12, 3458-3467.	6.2	16
52	Block-Sparse Bayesian Learning Method for Fault Location in Active Distribution Networks With Limited Synchronized Measurements. IEEE Transactions on Power Systems, 2021, 36, 3189-3203.	4.6	23
53	An Energy Sharing Mechanism Achieving the Same Flexibility as Centralized Dispatch. IEEE Transactions on Smart Grid, 2021, 12, 3379-3389.	6.2	31
54	Distributionally Robust Resilient Operation of Integrated Energy Systems Using Moment and Wasserstein Metric for Contingencies. IEEE Transactions on Power Systems, 2021, 36, 3574-3584.	4.6	45

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55	Incentive-Compatible Demand Response for Spatially Coupled Internet Data Centers in Electricity Markets. IEEE Transactions on Smart Grid, 2021, 12, 3056-3069.	6.2	17
56	A multi-Port MMC topology with reduced capacitor size for use in grid-connected PV systems. Energy Science and Engineering, 2021, 9, 2019-2035.	1.9	4
57	Cross-Layer Distributed Control Strategy for Cyber Resilient Microgrids. IEEE Transactions on Smart Grid, 2021, 12, 3705-3717.	6.2	31
58	Reactive Power Management for Networked Microgrid Resilience in Extreme Conditions. IEEE Transactions on Smart Grid, 2021, 12, 3940-3953.	6.2	12
59	Mobile and Portable De-Icing Devices for Enhancing the Distribution System Resilience Against Ice Storms: Preventive strategies for damage control. IEEE Electrification Magazine, 2021, 9, 120-129.	1.8	10
60	A Convex Energy-Like Function for Reliable Gas Flow Solutions in Gas Transmission Systems. IEEE Transactions on Power Systems, 2021, 36, 4876-4879.	4.6	2
61	Optimal Stochastic Operation of Integrated Electric Power and Renewable Energy With Vehicle-Based Hydrogen Energy System. IEEE Transactions on Power Systems, 2021, 36, 4310-4321.	4.6	60
62	MILP-Based Fault Diagnosis Model in Active Power Distribution Networks. IEEE Transactions on Smart Grid, 2021, 12, 3847-3857.	6.2	13
63	A review of technologies and applications on versatile energy storage systems. Renewable and Sustainable Energy Reviews, 2021, 148, 111263.	8.2	192
64	Security-Constrained Optimal Sizing and Siting of BESS in Hybrid AC/DC Microgrid Considering Post-Contingency Corrective Rescheduling. IEEE Transactions on Sustainable Energy, 2021, 12, 2110-2122.	5.9	27
65	Two-Stage Full-Data Processing for Microgrid Planning With High Penetrations of Renewable Energy Sources. IEEE Transactions on Sustainable Energy, 2021, 12, 2042-2052.	5.9	23
66	State-of-the-Art in Synchrophasor Measurement Technology Applications in Distribution Networks and Microgrids. IEEE Access, 2021, 9, 153875-153892.	2.6	7
67	Considering the Differentiating Health Impacts of Fuel Emissions in Optimal Generation Scheduling. IEEE Transactions on Sustainable Energy, 2020, 11, 15-26.	5.9	6
68	Minimax-Regret Robust Co-Optimization for Enhancing the Resilience of Integrated Power Distribution and Natural Gas Systems. IEEE Transactions on Sustainable Energy, 2020, 11, 61-71.	5.9	75
69	Data-Driven Risk-Averse Two-Stage Optimal Stochastic Scheduling of Energy and Reserve With Correlated Wind Power. IEEE Transactions on Sustainable Energy, 2020, 11, 436-447.	5.9	80
70	Security-Constrained Unit Commitment With Natural Gas Pipeline Transient Constraints. IEEE Transactions on Smart Grid, 2020, 11, 118-128.	6.2	36
71	Decentralized Privacy-Preserving Operation of Multi-Area Integrated Electricity and Natural Gas Systems With Renewable Energy Resources. IEEE Transactions on Sustainable Energy, 2020, 11, 1785-1796.	5.9	48
72	Deep Reinforcement Learning for EV Charging Navigation by Coordinating Smart Grid and Intelligent Transportation System. IEEE Transactions on Smart Grid, 2020, 11, 1714-1723.	6.2	134

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73	Compartmentalization Strategy for the Optimal Economic Operation of a Hybrid AC/DC Microgrid. IEEE Transactions on Power Systems, 2020, 35, 1294-1304.	4.6	37
74	Intra-Hour Microgrid Economic Dispatch Based on Model Predictive Control. IEEE Transactions on Smart Grid, 2020, 11, 1968-1979.	6.2	32
75	Reduced-Order State Space Model for Dynamic Phasors in Active Distribution Networks. IEEE Transactions on Smart Grid, 2020, 11, 1928-1941.	6.2	16
76	Risk-Based Networked-Constrained Unit Commitment Considering Correlated Power System Uncertainties. IEEE Transactions on Smart Grid, 2020, 11, 1781-1791.	6.2	13
77	Reconfigurable Distribution Network for Managing Transactive Energy in a Multi-Microgrid System. IEEE Transactions on Smart Grid, 2020, 11, 1286-1295.	6.2	67
78	Flexible Division and Unification Control Strategies for Resilience Enhancement in Networked Microgrids. IEEE Transactions on Power Systems, 2020, 35, 474-486.	4.6	58
79	A Non-Iterative Decoupled Solution of the Coordinated Robust OPF in Transmission and Distribution Networks With Variable Generating Units. IEEE Transactions on Sustainable Energy, 2020, 11, 1579-1588.	5.9	17
80	Distributed Cooperative Scheme for Forced Oscillation Location Identification in Power Systems. IEEE Transactions on Power Systems, 2020, 35, 374-384.	4.6	18
81	Joint Commitment of Generation Units and Heat Exchange Stations for Combined Heat and Power Systems. IEEE Transactions on Sustainable Energy, 2020, 11, 1118-1127.	5.9	33
82	Event-Triggered Updating Method in Centralized and Distributed Secondary Controls for Islanded Microgrid Restoration. IEEE Transactions on Smart Grid, 2020, 11, 1387-1395.	6.2	148
83	Distributionally Robust Unit Commitment in Coordinated Electricity and District Heating Networks. IEEE Transactions on Power Systems, 2020, 35, 2155-2166.	4.6	73
84	Distributed Secondary Control for Islanded Microgrids With Mobile Emergency Resources. IEEE Transactions on Power Systems, 2020, 35, 1389-1399.	4.6	44
85	Market-Based Integrated Generation Expansion Planning of Electric Power System and District Heating Systems. IEEE Transactions on Sustainable Energy, 2020, 11, 2483-2493.	5.9	19
86	Unification Scheme for Managing Master Controller Failures in Networked Microgrids. IEEE Transactions on Power Systems, 2020, 35, 3004-3014.	4.6	13
87	Privacy-Preserving Collaborative Operation of Networked Microgrids With the Local Utility Grid Based on Enhanced Benders Decomposition. IEEE Transactions on Smart Grid, 2020, 11, 2638-2651.	6.2	36
88	Singular Perturbation for the Dynamic Modeling of Integrated Energy Systems. IEEE Transactions on Power Systems, 2020, 35, 1718-1728.	4.6	35
89	Distributionally Robust Co-Optimization of Energy and Reserve for Combined Distribution Networks of Power and District Heating. IEEE Transactions on Power Systems, 2020, 35, 2388-2398.	4.6	52
90	A Data-Driven Pattern Extraction Method for Analyzing Bidding Behaviors in Power Markets. IEEE Transactions on Smart Grid, 2020, 11, 3509-3521.	6.2	19

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91	Hierarchical Scheduling of Aggregated TCL Flexibility for Transactive Energy in Power Systems. IEEE Transactions on Smart Grid, 2020, 11, 2452-2463.	6.2	59
92	Optimal Planning of Islanded Integrated Energy System With Solar-Biogas Energy Supply. IEEE Transactions on Sustainable Energy, 2020, 11, 2437-2448.	5.9	70
93	Coalitional Game-Based Transactive Energy Management in Local Energy Communities. IEEE Transactions on Power Systems, 2020, 35, 1729-1740.	4.6	70
94	Optimal Consensus-Based Distributed Control Strategy for Coordinated Operation of Networked Microgrids. IEEE Transactions on Power Systems, 2020, 35, 2452-2462.	4.6	69
95	A Chance-Constrained Decentralized Operation of Multi-Area Integrated Electricity-Natural Gas Systems With Variable Wind and Solar Energy. IEEE Transactions on Sustainable Energy, 2020, 11, 2230-2240.	5.9	29
96	Decentralized AC Optimal Power Flow for Integrated Transmission and Distribution Grids. IEEE Transactions on Smart Grid, 2020, 11, 2531-2540.	6.2	45
97	Consensus-based operational framework for self-healing in multi-microgrid systems. IET Generation, Transmission and Distribution, 2020, 14, 3322-3331.	1.4	3
98	Multi-objective design method for construction of multi-microgrid systems in active distribution networks. IET Smart Grid, 2020, 3, 331-341.	1.5	17
99	The Proliferation of Solar Photovoltaics: Their Impact on Widespread Deployment of Electric Vehicles. IEEE Electrification Magazine, 2020, 8, 79-91.	1.8	7
100	Distributed Control and Communication Strategies in Networked Microgrids. IEEE Communications Surveys and Tutorials, 2020, 22, 2586-2633.	24.8	152
101	Blockchain for Peer-to-Peer Transactive Energy Trading in Networked Microgrids: Providing an Effective and Decentralized Strategy. IEEE Electrification Magazine, 2020, 8, 80-90.	1.8	30
102	Enhanced Coordinated Operations of Electric Power and Transportation Networks via EV Charging Services. IEEE Transactions on Smart Grid, 2020, 11, 3019-3030.	6.2	87
103	Multiperiod Distribution System Restoration With Routing Repair Crews, Mobile Electric Vehicles, and Soft-Open-Point Networked Microgrids. IEEE Transactions on Smart Grid, 2020, 11, 4795-4808.	6.2	136
104	A Cyber-Attack Resilient Distributed Control Strategy in Islanded Microgrids. IEEE Transactions on Smart Grid, 2020, 11, 3690-3701.	6.2	111
105	Reliability Modeling and Assessment of Cyber Space in Cyber-Physical Power Systems. IEEE Transactions on Smart Grid, 2020, 11, 3763-3773.	6.2	41
106	Quantitative Evaluations of Uncertainties in Multivariate Operations of Microgrids. IEEE Transactions on Smart Grid, 2020, 11, 2892-2903.	6.2	25
107	Performance improvement of type 4 wind turbine synchronous generator using fractional-order PI (FOPI) and PI controllers designed by the analytical approach. International Transactions on Electrical Energy Systems, 2020, 30, e12403.	1.2	5
108	Coordinated Planning of Transportation and Electric Power Networks With the Proliferation of Electric Vehicles. IEEE Transactions on Smart Grid, 2020, 11, 4005-4016.	6.2	63

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109	Privacy-Preserving Distributed Control Strategy for Optimal Economic Operation in Islanded Reconfigurable Microgrids. IEEE Transactions on Power Systems, 2020, 35, 3847-3856.	4.6	32
110	DER Aggregator's Data-Driven Bidding Strategy Using the Information Gap Decision Theory in a Non-Cooperative Electricity Market. , 2020, , .		0
111	A two-layer dynamic voltage regulation strategy for DC distribution networks with distributed energy storages. International Journal of Electrical Power and Energy Systems, 2020, 120, 105999.	3.3	8
112	Robust Short-Term Scheduling of Integrated Heat and Power Microgrids. IEEE Systems Journal, 2019, 13, 3295-3303.	2.9	82
113	Maximum Loadability of Islanded Microgrids With Renewable Energy Generation. IEEE Transactions on Smart Grid, 2019, 10, 4696-4705.	6.2	34
114	State Space Modeling and Control of Aggregated TCLs for Regulation Services in Power Grids. IEEE Transactions on Smart Grid, 2019, 10, 4095-4106.	6.2	51
115	Resilience Enhancement Strategies for Power Distribution Network Coupled With Urban Transportation System. IEEE Transactions on Smart Grid, 2019, 10, 4068-4079.	6.2	70
116	Market-Based Customer Reliability Provision in Distribution Systems Based on Game Theory: A Bi-Level Optimization Approach. IEEE Transactions on Smart Grid, 2019, 10, 3840-3848.	6.2	26
117	Adaptive Formation of Microgrids With Mobile Emergency Resources for Critical Service Restoration in Extreme Conditions. IEEE Transactions on Power Systems, 2019, 34, 742-753.	4.6	117
118	Coordinated Planning Strategy for Electric Vehicle Charging Stations and Coupled Traffic-Electric Networks. IEEE Transactions on Power Systems, 2019, 34, 268-279.	4.6	152
119	Two-Layer Control Scheme for Maintaining the Frequency and the Optimal Economic Operation of Hybrid AC/DC Microgrids. IEEE Transactions on Power Systems, 2019, 34, 64-75.	4.6	52
120	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.	5.9	133
121	EV Charging Schedule in Coupled Constrained Networks of Transportation and Power System. IEEE Transactions on Smart Grid, 2019, 10, 4706-4716.	6.2	86
122	Predictive auto-reclosure approach to enhance transient stability of grid-connected DGs. IET Generation, Transmission and Distribution, 2019, 13, 3011-3019.	1.4	8
123	Optimization of Power Supply Capacity of Distribution Network Considering the Participation of Power Sales Companies in Spot Power Trading. IEEE Access, 2019, 7, 99651-99657.	2.6	6
124	Coordinating Electricity and Transportation Networks: Enhancing power grid resilience strategies against ice storms. IEEE Electrification Magazine, 2019, 7, 23-32.	1.8	14
125	A Poverty Severity Index-Based Protection Strategy for Ring-Bus Low-Voltage DC Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 6860-6869.	6.2	39
126	Optimal DR Activation Strategy for Risk Aversion Considering Hourly Loads and Locational Prices. IEEE Transactions on Smart Grid, 2019, 10, 6203-6213.	6.2	5

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127	Cooperative Game for Carbon Obligation Allocation Among Distribution System Operators to Incentivize the Proliferation of Renewable Energy. IEEE Transactions on Smart Grid, 2019, 10, 6355-6365.	6.2	17
128	Creation and circuit implementation of twoâ€œtoâ€œeightâ€œ wing chaotic attractors using a 3D memristorâ€œbased system. International Journal of Circuit Theory and Applications, 2019, 47, 686-701.	1.3	11
129	Fractional order control scheme in pitch control loop of synchronous generator wind turbine type 4 at high wind speed operation in a microgrid. Journal of Renewable and Sustainable Energy, 2019, 11, 013305.	0.8	4
130	Enhancing the Transmission Grid Resilience in Ice Storms by Optimal Coordination of Power System Schedule With Pre-Positioning and Routing of Mobile DC De-Icing Devices. IEEE Transactions on Power Systems, 2019, 34, 2663-2674.	4.6	54
131	Power Flow Jacobian Matrix based Bidirectional Voltage Stability Evaluation with deep PV Penetration by CNN. , 2019, , .		0
132	Distributed Optimal Frequency Control for Integrated Energy Systems with Electricity and Heat. , 2019, , .		1
133	Coordinated power system expansion planning considering the DSO's market operations. IET Generation, Transmission and Distribution, 2019, 13, 4987-4997.	1.4	5
134	A methodology to evaluate the value of DER to the distribution network considering uncertainties. , 2019, , .		1
135	Optimal sizing of PV and battery-based energy storage in an off-grid nanogrid supplying batteries to a battery swapping station. Journal of Modern Power Systems and Clean Energy, 2019, 7, 309-320.	3.3	32
136	Coordinated Regional-District Operation of Integrated Energy Systems for Resilience Enhancement in Natural Disasters. IEEE Transactions on Smart Grid, 2019, 10, 4881-4892.	6.2	132
137	Decentralized Operation of Interdependent Power Distribution Network and District Heating Network: A Market-Driven Approach. IEEE Transactions on Smart Grid, 2019, 10, 5374-5385.	6.2	105
138	Resilience-Promoting Proactive Scheduling Against Hurricanes in Multiple Energy Carrier Microgrids. IEEE Transactions on Power Systems, 2019, 34, 2160-2168.	4.6	81
139	Flexible Voltage Control Strategy Considering Distributed Energy Storages for DC Distribution Network. IEEE Transactions on Smart Grid, 2019, 10, 163-172.	6.2	124
140	Adaptive Protection for Preserving Microgrid Security. IEEE Transactions on Smart Grid, 2019, 10, 592-600.	6.2	31
141	Application of Multi-Resonator Notch Frequency Control for Tracking the Frequency in Low Inertia Microgrids Under Distorted Grid Conditions. IEEE Transactions on Smart Grid, 2019, 10, 337-349.	6.2	31
142	A Hierarchical Framework for Intelligent Traffic Management in Smart Cities. IEEE Transactions on Smart Grid, 2019, 10, 691-701.	6.2	32
143	Two-Stage Load Shedding for Secondary Control in Hierarchical Operation of Islanded Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 3103-3111.	6.2	61
144	Robust Line Hardening Strategies for Improving the Resilience of Distribution Systems With Variable Renewable Resources. IEEE Transactions on Sustainable Energy, 2019, 10, 386-395.	5.9	126

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145	A Cyber-Physical Energy Management System for Optimal Sizing and Operation of Networked Nanogrids With Battery Swapping Stations. IEEE Transactions on Sustainable Energy, 2019, 10, 491-502.	5.9	39
146	Small-Signal Modeling and Stability Analysis of Hybrid AC/DC Microgrids. IEEE Transactions on Smart Grid, 2019, 10, 2080-2095.	6.2	118
147	Minimax-Regret Robust Defensive Strategy Against False Data Injection Attacks. IEEE Transactions on Smart Grid, 2019, 10, 2068-2079.	6.2	39
148	Multi-Time-Scale Modeling and Parameter Estimation of TCLs for Smoothing Out Wind Power Generation Variability. IEEE Transactions on Sustainable Energy, 2019, 10, 105-118.	5.9	39
149	Hypothesis Testing for Privacy of Smart Meters With Side Information. IEEE Transactions on Smart Grid, 2019, 10, 2059-2067.	6.2	12
150	Decentralized Optimization of Multi-Area Electricity-Natural Gas Flows Based on Cone Reformulation. IEEE Transactions on Power Systems, 2018, 33, 4531-4542.	4.6	147
151	Adaptive Control of Microgrid Security. IEEE Transactions on Smart Grid, 2018, 9, 3909-3910.	6.2	23
152	Power System Voltage Stability Evaluation Considering Renewable Energy With Correlated Variabilities. IEEE Transactions on Power Systems, 2018, 33, 3236-3245.	4.6	86
153	Generalized Discrete-Time Equivalent Model for Dynamic Simulation of Regional Power Area. IEEE Transactions on Power Systems, 2018, 33, 6452-6465.	4.6	8
154	Smart Deregulated Grid Frequency Control in Presence of Renewable Energy Resources by EVs Charging Control. IEEE Transactions on Smart Grid, 2018, 9, 1073-1085.	6.2	50
155	Analyzing Locally Coordinated Cyber-Physical Attacks for Undetectable Line Outages. IEEE Transactions on Smart Grid, 2018, 9, 35-47.	6.2	71
156	Market-Based Versus Price-Based Microgrid Optimal Scheduling. IEEE Transactions on Smart Grid, 2018, 9, 615-623.	6.2	74
157	Multi-Stage Planning of Active Distribution Networks Considering the Co-Optimization of Operation Strategies. IEEE Transactions on Smart Grid, 2018, 9, 1425-1433.	6.2	73
158	An Adaptive Auto-Reclosing Scheme to Preserve Transient Stability of Microgrids. IEEE Transactions on Smart Grid, 2018, 9, 2638-2646.	6.2	25
159	Grid Secondary Frequency Control by Optimized Fuzzy Control of Electric Vehicles. IEEE Transactions on Smart Grid, 2018, 9, 5613-5621.	6.2	60
160	Decentralized Short-Term Voltage Control in Active Power Distribution Systems. IEEE Transactions on Smart Grid, 2018, 9, 4566-4576.	6.2	68
161	A Simplified Co-Simulation Model for Investigating Impacts of Cyber-Contingency on Power System Operations. IEEE Transactions on Smart Grid, 2018, 9, 4893-4905.	6.2	34
162	Integrated Optimization of Network Topology and DG Outputs for MVDC Distribution Systems. IEEE Transactions on Power Systems, 2018, 33, 1121-1123.	4.6	15

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163	Optimal Transactive Market Operations With Distribution System Operators. IEEE Transactions on Smart Grid, 2018, 9, 6692-6701.	6.2	134
164	Microgrid Topology Planning for Enhancing the Reliability of Active Distribution Networks. IEEE Transactions on Smart Grid, 2018, 9, 6369-6377.	6.2	78
165	A Hierarchical Governor/Turbine and Electric Vehicles Optimal Control Framework for Primary Frequency Support in Power Systems. IEEE Transactions on Smart Grid, 2018, 9, 6702-6712.	6.2	25
166	Optimal Stochastic Operation of Integrated Low-Carbon Electric Power, Natural Gas, and Heat Delivery System. IEEE Transactions on Sustainable Energy, 2018, 9, 273-283.	5.9	208
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