

Yan Xu

List of Publications by Year in descending order

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364
papers

15,657
citations

18482

62
h-index

24258

110
g-index

365
all docs

365
docs citations

365
times ranked

9680
citing authors

#	ARTICLE	IF	CITATIONS
1	Short-Term Residential Load Forecasting Based on LSTM Recurrent Neural Network. IEEE Transactions on Smart Grid, 2019, 10, 841-851.	9.0	1,424
2	Short-Term Residential Load Forecasting Based on Resident Behaviour Learning. IEEE Transactions on Power Systems, 2018, 33, 1087-1088.	6.5	440
3	Electric Vehicle Battery Charging/Swap Stations in Distribution Systems: Comparison Study and Optimal Planning. IEEE Transactions on Power Systems, 2014, 29, 221-229.	6.5	396
4	A review on supercooling of Phase Change Materials in thermal energy storage systems. Renewable and Sustainable Energy Reviews, 2017, 70, 905-919.	16.4	385
5	A Two-Layer Energy Management System for Microgrids With Hybrid Energy Storage Considering Degradation Costs. IEEE Transactions on Smart Grid, 2018, 9, 6047-6057.	9.0	301
6	A Multi-Objective Collaborative Planning Strategy for Integrated Power Distribution and Electric Vehicle Charging Systems. IEEE Transactions on Power Systems, 2014, 29, 1811-1821.	6.5	298
7	Optimal coordinated energy dispatch of a multi-energy microgrid in grid-connected and islanded modes. Applied Energy, 2018, 210, 974-986.	10.1	253
8	Data-Driven Load Frequency Control for Stochastic Power Systems: A Deep Reinforcement Learning Method With Continuous Action Search. IEEE Transactions on Power Systems, 2019, 34, 1653-1656.	6.5	220
9	Multi-Timescale Coordinated Voltage/Var Control of High Renewable-Penetrated Distribution Systems. IEEE Transactions on Power Systems, 2017, 32, 4398-4408.	6.5	219
10	Robust Operation of Microgrids via Two-Stage Coordinated Energy Storage and Direct Load Control. IEEE Transactions on Power Systems, 2017, 32, 2858-2868.	6.5	216
11	Electricity Price Forecasting With Extreme Learning Machine and Bootstrapping. IEEE Transactions on Power Systems, 2012, 27, 2055-2062.	6.5	214
12	A Multi-Agent Reinforcement Learning-Based Data-Driven Method for Home Energy Management. IEEE Transactions on Smart Grid, 2020, 11, 3201-3211.	9.0	212
13	Electric Vehicle Route Optimization Considering Time-of-Use Electricity Price by Learnable Partheno-Genetic Algorithm. IEEE Transactions on Smart Grid, 2015, 6, 657-666.	9.0	186
14	Robust Coordination of Distributed Generation and Price-Based Demand Response in Microgrids. IEEE Transactions on Smart Grid, 2018, 9, 4236-4247.	9.0	177
15	A Reliable Intelligent System for Real-Time Dynamic Security Assessment of Power Systems. IEEE Transactions on Power Systems, 2012, 27, 1253-1263.	6.5	173
16	State-of-Health Estimation and Remaining-Useful-Life Prediction for Lithium-Ion Battery Using a Hybrid Data-Driven Method. IEEE Transactions on Vehicular Technology, 2020, 69, 10854-10867.	6.3	169
17	A Robust Load Frequency Control Scheme for Power Systems Based on Second-Order Sliding Mode and Extended Disturbance Observer. IEEE Transactions on Industrial Informatics, 2018, 14, 3076-3086.	11.3	161
18	A Multi-Agent Deep Reinforcement Learning Method for Cooperative Load Frequency Control of a Multi-Area Power System. IEEE Transactions on Power Systems, 2020, 35, 4599-4608.	6.5	159

#	ARTICLE	IF	CITATIONS
19	Short-term load forecasting of Australian National Electricity Market by an ensemble model of extreme learning machine. IET Generation, Transmission and Distribution, 2013, 7, 391-397.	2.5	155
20	Toward Future Green Maritime Transportation: An Overview of Seaport Microgrids and All-Electric Ships. IEEE Transactions on Vehicular Technology, 2020, 69, 207-219.	6.3	155
21	Optimal Distributed Control for Secondary Frequency and Voltage Regulation in an Islanded Microgrid. IEEE Transactions on Industrial Informatics, 2019, 15, 225-235.	11.3	144
22	A Fully Data-Driven Method Based on Generative Adversarial Networks for Power System Dynamic Security Assessment With Missing Data. IEEE Transactions on Power Systems, 2019, 34, 5044-5052.	6.5	139
23	Three-Stage Robust Inverter-Based Voltage/Var Control for Distribution Networks With High-Level PV. IEEE Transactions on Smart Grid, 2019, 10, 782-793.	9.0	136
24	Multi-Stage Flexible Expansion Co-Planning Under Uncertainties in a Combined Electricity and Gas Market. IEEE Transactions on Power Systems, 2015, 30, 2119-2129.	6.5	135
25	Robustly Coordinated Operation of a Multi-Energy Microgrid With Flexible Electric and Thermal Loads. IEEE Transactions on Smart Grid, 2019, 10, 2765-2775.	9.0	133
26	Post-disturbance transient stability assessment of power systems by a self-adaptive intelligent system. IET Generation, Transmission and Distribution, 2015, 9, 296-305.	2.5	131
27	Integrating Model-Driven and Data-Driven Methods for Power System Frequency Stability Assessment and Control. IEEE Transactions on Power Systems, 2019, 34, 4557-4568.	6.5	120
28	Temporally-coordinated optimal operation of a multi-energy microgrid under diverse uncertainties. Applied Energy, 2019, 240, 719-729.	10.1	114
29	Assessing Short-Term Voltage Stability of Electric Power Systems by a Hierarchical Intelligent System. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 1686-1696.	11.3	113
30	Two-Step Multi-Objective Management of Hybrid Energy Storage System in All-Electric Ship Microgrids. IEEE Transactions on Vehicular Technology, 2019, 68, 3361-3373.	6.3	109
31	Risk-Averse Energy Trading in Multienergy Microgrids: A Two-Stage Stochastic Game Approach. IEEE Transactions on Industrial Informatics, 2017, 13, 2620-2630.	11.3	108
32	A Hierarchical Self-Adaptive Data-Analytics Method for Real-Time Power System Short-Term Voltage Stability Assessment. IEEE Transactions on Industrial Informatics, 2019, 15, 74-84.	11.3	105
33	Hierarchically-Coordinated Voltage/VAR Control of Distribution Networks Using PV Inverters. IEEE Transactions on Smart Grid, 2020, 11, 2942-2953.	9.0	103
34	Cyber-Physical Design and Implementation of Distributed Event-Triggered Secondary Control in Islanded Microgrids. IEEE Transactions on Industry Applications, 2019, 55, 5631-5642.	4.9	102
35	An Intelligent Time-Adaptive Data-Driven Method for Sensor Fault Diagnosis in Induction Motor Drive System. IEEE Transactions on Industrial Electronics, 2019, 66, 9817-9827.	7.9	98
36	Optimal Stochastic Deployment of Heterogeneous Energy Storage in a Residential Multienergy Microgrid With Demand-Side Management. IEEE Transactions on Industrial Informatics, 2021, 17, 991-1004.	11.3	98

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37	Multi-Objective Dynamic VAR Planning Against Short-Term Voltage Instability Using a Decomposition-Based Evolutionary Algorithm. IEEE Transactions on Power Systems, 2014, 29, 2813-2822.	6.5	97
38	Multi-objective economic dispatch of a microgrid considering electric vehicle and transferable load. Applied Energy, 2020, 262, 114489.	10.1	97
39	Real-Time Identification of Power Fluctuations Based on LSTM Recurrent Neural Network: A Case Study on Singapore Power System. IEEE Transactions on Industrial Informatics, 2019, 15, 5266-5275.	11.3	96
40	Distributed Resilient Control for Energy Storage Systems in Cyber-Physical Microgrids. IEEE Transactions on Industrial Informatics, 2021, 17, 1331-1341.	11.3	96
41	Distributed Adaptive Robust Voltage/VAR Control With Network Partition in Active Distribution Networks. IEEE Transactions on Smart Grid, 2020, 11, 2245-2256.	9.0	95
42	Robust Coordination of a Hybrid AC/DC Multi-Energy Ship Microgrid With Flexible Voyage and Thermal Loads. IEEE Transactions on Smart Grid, 2020, 11, 2782-2793.	9.0	91
43	Noncooperative Game-Based Distributed Charging Control for Plug-In Electric Vehicles in Distribution Networks. IEEE Transactions on Industrial Informatics, 2018, 14, 301-310.	11.3	90
44	Optimal placement of battery energy storage in distribution networks considering conservation voltage reduction and stochastic load composition. IET Generation, Transmission and Distribution, 2017, 11, 3862-3870.	2.5	89
45	Active Power Control of Wind Turbine Generators via Coordinated Rotor Speed and Pitch Angle Regulation. IEEE Transactions on Sustainable Energy, 2019, 10, 822-832.	8.8	87
46	A Sliding Mode Based Damping Control of DFIG for Interarea Power Oscillations. IEEE Transactions on Sustainable Energy, 2017, 8, 258-267.	8.8	86
47	Intelligent Early Warning of Power System Dynamic Insecurity Risk: Toward Optimal Accuracy-Earliness Tradeoff. IEEE Transactions on Industrial Informatics, 2017, 13, 2544-2554.	11.3	85
48	An Online Data-Driven Method for Simultaneous Diagnosis of IGBT and Current Sensor Fault of Three-Phase PWM Inverter in Induction Motor Drives. IEEE Transactions on Power Electronics, 2020, 35, 13281-13294.	7.9	83
49	Aggregated Energy Storage for Power System Frequency Control: A Finite-Time Consensus Approach. IEEE Transactions on Smart Grid, 2019, 10, 3675-3686.	9.0	81
50	An Intelligent Dynamic Security Assessment Framework for Power Systems With Wind Power. IEEE Transactions on Industrial Informatics, 2012, 8, 995-1003.	11.3	80
51	Robustly Coordinated Operation of a Multi-Energy Micro-Grid in Grid-Connected and Islanded Modes Under Uncertainties. IEEE Transactions on Sustainable Energy, 2020, 11, 640-651.	8.8	80
52	Turbine Stability-Constrained Available Wind Power of Variable Speed Wind Turbines for Active Power Control. IEEE Transactions on Power Systems, 2017, 32, 2487-2488.	6.5	78
53	Cloud-Based Information Infrastructure for Next-Generation Power Grid: Conception, Architecture, and Applications. IEEE Transactions on Smart Grid, 2016, 7, 1896-1912.	9.0	77
54	Real-Time Optimal Power Flow: A Lagrangian Based Deep Reinforcement Learning Approach. IEEE Transactions on Power Systems, 2020, 35, 3270-3273.	6.5	77

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55	Optimal Capacitor Placement to Distribution Transformers for Power Loss Reduction in Radial Distribution Systems. IEEE Transactions on Power Systems, 2013, 28, 4072-4079.	6.5	76
56	A Hybrid Method for Transient Stability-Constrained Optimal Power Flow Computation. IEEE Transactions on Power Systems, 2012, 27, 1769-1777.	6.5	73
57	Optimal Whole-Life-Cycle Planning of Battery Energy Storage for Multi-Functional Services in Power Systems. IEEE Transactions on Sustainable Energy, 2020, 11, 2077-2086.	8.8	73
58	Improving Nonintrusive Load Monitoring Efficiency via a Hybrid Programming Method. IEEE Transactions on Industrial Informatics, 2016, 12, 2148-2157.	11.3	72
59	An Ensemble Learning-Based Data-Driven Method for Online State-of-Health Estimation of Lithium-Ion Batteries. IEEE Transactions on Transportation Electrification, 2021, 7, 422-436.	7.8	71
60	Risk-Averse Coordinated Operation of a Multi-Energy Microgrid Considering Voltage/Var Control and Thermal Flow: An Adaptive Stochastic Approach. IEEE Transactions on Smart Grid, 2021, 12, 3914-3927.	9.0	70
61	Multiobjective Coordinated Energy Dispatch and Voyage Scheduling for a Multienergy Ship Microgrid. IEEE Transactions on Industry Applications, 2020, 56, 989-999.	4.9	66
62	Solving Preventive-Corrective SCOPF by a Hybrid Computational Strategy. IEEE Transactions on Power Systems, 2014, 29, 1345-1355.	6.5	65
63	Robust Ensemble Data Analytics for Incomplete PMU Measurements-Based Power System Stability Assessment. IEEE Transactions on Power Systems, 2018, 33, 1124-1126.	6.5	65
64	A Distributed Dual Consensus ADMM Based on Partition for DC-DOPF With Carbon Emission Trading. IEEE Transactions on Industrial Informatics, 2020, 16, 1858-1872.	11.3	64
65	Time-Delay Stability Analysis for Hybrid Energy Storage System With Hierarchical Control in DC Microgrids. IEEE Transactions on Smart Grid, 2018, 9, 6633-6645.	9.0	62
66	A Distributed Control Scheme of Thermostatically Controlled Loads for the Building-Microgrid Community. IEEE Transactions on Sustainable Energy, 2020, 11, 350-360.	8.8	62
67	Cause, Classification of Voltage Sag, and Voltage Sag Emulators and Applications: A Comprehensive Overview. IEEE Access, 2020, 8, 1922-1934.	4.2	62
68	Data-Driven Robust Coordination of Generation and Demand-Side in Photovoltaic Integrated All-Electric Ship Microgrids. IEEE Transactions on Power Systems, 2020, 35, 1783-1795.	6.5	62
69	Stochastic-Weighted Robust Optimization Based Bilinear Operation of a Multi-Energy Building Microgrid Considering Practical Thermal Loads and Battery Degradation. IEEE Transactions on Sustainable Energy, 2022, 13, 668-682.	8.8	62
70	Autonomous and adaptive voltage control using multiple distributed energy resources. IEEE Transactions on Power Systems, 2013, 28, 718-730.	6.5	61
71	Two-Level Distributed Volt/Var Control Using Aggregated PV Inverters in Distribution Networks. IEEE Transactions on Power Delivery, 2020, 35, 1844-1855.	4.3	61
72	Data-Driven Online Health Estimation of Li-Ion Batteries Using A Novel Energy-Based Health Indicator. IEEE Transactions on Energy Conversion, 2020, 35, 1715-1718.	5.2	61

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73	Power system fault diagnosis based on history driven differential evolution and stochastic time domain simulation. <i>Information Sciences</i> , 2014, 275, 13-29.	6.9	60
74	Inverter-Based Voltage Control of Distribution Networks: A Three-Level Coordinated Method and Power Hardware-in-the-Loop Validation. <i>IEEE Transactions on Sustainable Energy</i> , 2020, 11, 2380-2391.	8.8	59
75	Coordinated Optimal Voyage Planning and Energy Management of All-Electric Ship With Hybrid Energy Storage System. <i>IEEE Transactions on Power Systems</i> , 2021, 36, 2355-2365.	6.5	59
76	Multi-Stage Real-Time Operation of a Multi-Energy Microgrid With Electrical and Thermal Energy Storage Assets: A Data-Driven MPC-ADP Approach. <i>IEEE Transactions on Smart Grid</i> , 2022, 13, 213-226.	9.0	59
77	Impact analysis of false data injection attacks on power system static security assessment. <i>Journal of Modern Power Systems and Clean Energy</i> , 2016, 4, 496-505.	5.4	58
78	Voltage regulation-oriented co-planning of distributed generation and battery storage in active distribution networks. <i>International Journal of Electrical Power and Energy Systems</i> , 2019, 105, 79-88.	5.5	58
79	Voltage Balancing for Bipolar DC Distribution Grids: A Power Flow Based Binary Integer Multi-Objective Optimization Approach. <i>IEEE Transactions on Power Systems</i> , 2019, 34, 28-39.	6.5	58
80	Peer-to-Peer Control for Networked Microgrids: Multi-Layer and Multi-Agent Architecture Design. <i>IEEE Transactions on Smart Grid</i> , 2020, 11, 4688-4699.	9.0	58
81	Robustly Coordinated Bi-Level Energy Management of a Multi-Energy Building Under Multiple Uncertainties. <i>IEEE Transactions on Sustainable Energy</i> , 2021, 12, 3-13.	8.8	58
82	Construction of decision tree based on C4.5 algorithm for online voltage stability assessment. <i>International Journal of Electrical Power and Energy Systems</i> , 2020, 118, 105793.	5.5	57
83	A Distributed Control Scheme of Microgrids in Energy Internet Paradigm and Its Multisite Implementation. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 1141-1153.	11.3	57
84	Optimal placement of static compensators for multi-objective voltage stability enhancement of power systems. <i>IET Generation, Transmission and Distribution</i> , 2015, 9, 2144-2151.	2.5	56
85	Optimal Skeleton-Network Restoration Considering Generator Start-Up Sequence and Load Pickup. <i>IEEE Transactions on Smart Grid</i> , 2019, 10, 3174-3185.	9.0	56
86	Transfer Learning-Based Power System Online Dynamic Security Assessment: Using One Model to Assess Many Unlearned Faults. <i>IEEE Transactions on Power Systems</i> , 2020, 35, 821-824.	6.5	55
87	A Distributed and Robust Energy Management System for Networked Hybrid AC/DC Microgrids. <i>IEEE Transactions on Smart Grid</i> , 2020, 11, 3496-3508.	9.0	55
88	Preventive Dynamic Security Control of Power Systems Based on Pattern Discovery Technique. <i>IEEE Transactions on Power Systems</i> , 2012, 27, 1236-1244.	6.5	53
89	Reactive power planning under high penetration of wind energy using Benders decomposition. <i>IET Generation, Transmission and Distribution</i> , 2015, 9, 1835-1844.	2.5	53
90	Retirement-Driven Dynamic VAR Planning for Voltage Stability Enhancement of Power Systems With High-Level Wind Power. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 2282-2291.	6.5	53

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91	Extreme learning machine-based predictor for real-time frequency stability assessment of electric power systems. <i>Neural Computing and Applications</i> , 2013, 22, 501-508.	5.6	52
92	Robust Dispatch of High Wind Power-Penetrated Power Systems Against Transient Instability. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 174-186.	6.5	52
93	A Data-Driven Method for IGBT Open-Circuit Fault Diagnosis Based on Hybrid Ensemble Learning and Sliding-Window Classification. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 5223-5233.	11.3	51
94	Multi-Objective Adaptive Robust Voltage/VAR Control for High-PV Penetrated Distribution Networks. <i>IEEE Transactions on Smart Grid</i> , 2020, 11, 5288-5300.	9.0	51
95	A novel projected two-binary-variable formulation for unit commitment in power systems. <i>Applied Energy</i> , 2017, 187, 732-745.	10.1	50
96	A Missing-Data Tolerant Method for Data-Driven Short-Term Voltage Stability Assessment of Power Systems. <i>IEEE Transactions on Smart Grid</i> , 2019, 10, 5663-5674.	9.0	50
97	Optimal Hierarchical Management of Shipboard Multibattery Energy Storage System Using a Data-Driven Degradation Model. <i>IEEE Transactions on Transportation Electrification</i> , 2019, 5, 1306-1318.	7.8	49
98	Faster Detection of Microgrid Islanding Events using an Adaptive Ensemble Classifier. <i>IEEE Transactions on Smart Grid</i> , 2016, , 1-1.	9.0	48
99	Robust Security Constrained-Optimal Power Flow Using Multiple Microgrids for Corrective Control of Power Systems Under Uncertainty. <i>IEEE Transactions on Industrial Informatics</i> , 2017, 13, 1704-1713.	11.3	48
100	Aerodynamic optimization for variable-speed wind turbines based on wind energy capture efficiency. <i>Applied Energy</i> , 2018, 221, 508-521.	10.1	48
101	Probability-Weighted Robust Optimization for Distributed Generation Planning in Microgrids. <i>IEEE Transactions on Power Systems</i> , 2018, 33, 7042-7051.	6.5	48
102	Parallel differential evolution approach for optimal event-driven load shedding against voltage collapse in power systems. <i>IET Generation, Transmission and Distribution</i> , 2014, 8, 651-660.	2.5	47
103	A Hybrid Ensemble Model for Interval Prediction of Solar Power Output in Ship Onboard Power Systems. <i>IEEE Transactions on Sustainable Energy</i> , 2021, 12, 14-24.	8.8	47
104	Trajectory sensitivity analysis on the equivalent one-machine-infinite-bus of multi-machine systems for preventive transient stability control. <i>IET Generation, Transmission and Distribution</i> , 2015, 9, 276-286.	2.5	44
105	Advanced Pattern Discovery-based Fuzzy Classification Method for Power System Dynamic Security Assessment. <i>IEEE Transactions on Industrial Informatics</i> , 2015, 11, 416-426.	11.3	44
106	Time-Coordinated Multienergy Management of Smart Buildings Under Uncertainties. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 4788-4798.	11.3	44
107	Multitimescale Coordinated Adaptive Robust Operation for Industrial Multienergy Microgrids With Load Allocation. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 3051-3063.	11.3	44
108	A Two-Stage Game-Theoretic Method for Residential PV Panels Planning Considering Energy Sharing Mechanism. <i>IEEE Transactions on Power Systems</i> , 2020, 35, 3562-3573.	6.5	44

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109	Using IS to Assess an Electric Power System's Real-Time Stability. IEEE Intelligent Systems, 2013, 28, 60-66.	4.0	43
110	Optimal Sizing of Shipboard Carbon Capture System for Maritime Greenhouse Emission Control. IEEE Transactions on Industry Applications, 2019, 55, 5543-5553.	4.9	43
111	A Hierarchical Data-Driven Method for Event-Based Load Shedding Against Fault-Induced Delayed Voltage Recovery in Power Systems. IEEE Transactions on Industrial Informatics, 2021, 17, 699-709.	11.3	43
112	A Risk-Averse Adaptively Stochastic Optimization Method for Multi-Energy Ship Operation Under Diverse Uncertainties. IEEE Transactions on Power Systems, 2021, 36, 2149-2161.	6.5	43
113	Coordinated Optimal Energy Management and Voyage Scheduling for All-Electric Ships Based on Predicted Shore-Side Electricity Price. IEEE Transactions on Industry Applications, 2021, 57, 139-148.	4.9	42
114	Decentralised distributed hybrid voltage regulation of power distribution networks based on power inverters. IET Generation, Transmission and Distribution, 2019, 13, 444-451.	2.5	41
115	A Hybrid Randomized Learning System for Temporal-Adaptive Voltage Stability Assessment of Power Systems. IEEE Transactions on Industrial Informatics, 2020, 16, 3672-3684.	11.3	41
116	A Decomposition-Based Practical Approach to Transient Stability-Constrained Unit Commitment. IEEE Transactions on Power Systems, 2015, 30, 1455-1464.	6.5	40
117	A Hierarchical and Flexible Data-Driven Method for Online State-of-Health Estimation of Li-Ion Battery. IEEE Transactions on Vehicular Technology, 2020, 69, 14739-14748.	6.3	40
118	Preventive-Corrective Coordinated Transient Stability Dispatch of Power Systems With Uncertain Wind Power. IEEE Transactions on Power Systems, 2020, 35, 3616-3626.	6.5	40
119	Optimally coordinated dispatch of combined heat and electrical network with demand response. IET Generation, Transmission and Distribution, 2019, 13, 2216-2225.	2.5	39
120	A review of scenario analysis methods in planning and operation of modern power systems: Methodologies, applications, and challenges. Electric Power Systems Research, 2022, 205, 107722.	3.6	38
121	A composite k-nearest neighbor model for day-ahead load forecasting with limited temperature forecasts. , 2016, , .		37
122	Real-Time Assessment of Fault-Induced Delayed Voltage Recovery: A Probabilistic Self-Adaptive Data-Driven Method. IEEE Transactions on Smart Grid, 2019, 10, 2485-2494.	9.0	37
123	A Transferrable Data-Driven Method for IGBT Open-Circuit Fault Diagnosis in Three-Phase Inverters. IEEE Transactions on Power Electronics, 2021, 36, 13478-13488.	7.9	37
124	A Risk-Based Approach to Multi-Stage Probabilistic Transmission Network Planning. IEEE Transactions on Power Systems, 2016, 31, 4867-4876.	6.5	36
125	Phase Reshaping via All-Pass Filters for Robust LCL-Filter Active Damping. IEEE Transactions on Power Electronics, 2020, 35, 3114-3126.	7.9	36
126	Consensus-Based Control of Hybrid Energy Storage System With a Cascaded Multiport Converter in DC Microgrids. IEEE Transactions on Sustainable Energy, 2020, 11, 2356-2366.	8.8	36

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127	Probabilistic Residential Load Forecasting Based on Micrometeorological Data and Customer Consumption Pattern. IEEE Transactions on Power Systems, 2021, 36, 3762-3775.	6.5	36
128	Multiobjective Generation Portfolio of Hybrid Energy Generating Station for Mobile Emergency Power Supplies. IEEE Transactions on Smart Grid, 2018, 9, 5786-5797.	9.0	35
129	Optimal placement of heterogeneous distributed generators in a grid-connected multi-energy microgrid under uncertainties. IET Renewable Power Generation, 2019, 13, 2623-2633.	3.1	33
130	Comprehensive Congestion Management for Distribution Networks Based on Dynamic Tariff, Reconfiguration, and Re-Profiling Product. IEEE Transactions on Smart Grid, 2019, 10, 4795-4805.	9.0	33
131	A Robust Droop-Based Autonomous Controller for Decentralized Power Sharing in DC Microgrid Considering Large-Signal Stability. IEEE Transactions on Industrial Informatics, 2020, 16, 1483-1494.	11.3	33
132	Game-Theoretic Demand Side Management of Thermostatically Controlled Loads for Smoothing Tie-Line Power of Microgrids. IEEE Transactions on Power Systems, 2021, 36, 4089-4101.	6.5	33
133	Distributed Weight-Average-Prediction Control and Stability Analysis for an Islanded Microgrid With Communication Time Delay. IEEE Transactions on Power Systems, 2022, 37, 330-342.	6.5	32
134	Post-disturbance transient stability assessment of power systems towards optimal accuracy-speed tradeoff. Protection and Control of Modern Power Systems, 2018, 3, .	7.5	31
135	Distributed aggregation control of grid-interactive smart buildings for power system frequency support. Applied Energy, 2019, 251, 113371.	10.1	31
136	ADMM-based market clearing and optimal flexibility bidding of distribution-level flexibility market for day-ahead congestion management of distribution networks. International Journal of Electrical Power and Energy Systems, 2020, 123, 106266.	5.5	31
137	Cyber-Resilient Cooperative Control of Bidirectional Interlinking Converters in Networked AC/DC Microgrids. IEEE Transactions on Industrial Electronics, 2021, 68, 9707-9718.	7.9	31
138	Augmented Convolutional Network for Wind Power Prediction: A New Recurrent Architecture Design With Spatial-Temporal Image Inputs. IEEE Transactions on Industrial Informatics, 2021, 17, 6981-6993.	11.3	31
139	Robust Transient Stability-Constrained Optimal Power Flow With Uncertain Dynamic Loads. IEEE Transactions on Smart Grid, 2017, 8, 1911-1921.	9.0	30
140	A Multi-Data Driven Hybrid Learning Method for Weekly Photovoltaic Power Scenario Forecast. IEEE Transactions on Sustainable Energy, 2022, 13, 91-100.	8.8	30
141	Hybrid method for power system transient stability prediction based on two-stage computing resources. IET Generation, Transmission and Distribution, 2018, 12, 1697-1703.	2.5	29
142	A Joint Photovoltaic-Dependent Navigation Routing and Energy Storage System Sizing Scheme for More Efficient All-Electric Ships. IEEE Transactions on Transportation Electrification, 2020, 6, 1279-1289.	7.8	29
143	A Hierarchically Coordinated Operation and Control Scheme for DC Microgrid Clusters Under Uncertainty. IEEE Transactions on Sustainable Energy, 2021, 12, 273-283.	8.8	29
144	Rational and self-adaptive evolutionary extreme learning machine for electricity price forecast. Memetic Computing, 2016, 8, 223-233.	4.0	28

#	ARTICLE	IF	CITATIONS
145	On Dynamic Network Equilibrium of a Coupled Power and Transportation Network. IEEE Transactions on Smart Grid, 2022, 13, 1398-1411.	9.0	28
146	Two-tier demand response with flexible demand swap and transactive control for real-time congestion management in distribution networks. International Journal of Electrical Power and Energy Systems, 2020, 114, 105399.	5.5	27
147	Multi-objective robust energy management for all-electric shipboard microgrid under uncertain wind and wave. International Journal of Electrical Power and Energy Systems, 2020, 117, 105600.	5.5	27
148	Multi-stage coordinated operation of a multi-energy microgrid with residential demand response under diverse uncertainties. Energy Conversion and Economics, 2020, 1, 20-33.	3.2	27
149	A Distributed Hierarchical Control Framework in Islanded Microgrids and Its Agent-Based Design for Cyber-Physical Implementations. IEEE Transactions on Industrial Electronics, 2021, 68, 9685-9695.	7.9	26
150	Deception Attack Detection of Isolated DC Microgrids Under Consensus-Based Distributed Voltage Control Architecture. IEEE Journal on Emerging and Selected Topics in Circuits and Systems, 2021, 11, 155-167.	3.6	26
151	Data-Driven Game-Based Pricing for Sharing Rooftop Photovoltaic Generation and Energy Storage in the Residential Building Cluster Under Uncertainties. IEEE Transactions on Industrial Informatics, 2021, 17, 4480-4491.	11.3	25
152	Generalized Power Decoupling Control for Single-Phase Differential Inverters With Nonlinear Loads. IEEE Journal of Emerging and Selected Topics in Power Electronics, 2019, 7, 1137-1151.	5.4	24
153	Proactive frequency control based on ultra-short-term power fluctuation forecasting for high renewables penetrated power systems. IET Renewable Power Generation, 2019, 13, 2166-2173.	3.1	24
154	Three-Stage Hierarchically-Coordinated Voltage/Var Control Based on PV Inverters Considering Distribution Network Voltage Stability. IEEE Transactions on Sustainable Energy, 2022, 13, 868-881.	8.8	24
155	Many-Objective Robust Optimization for Dynamic VAR Planning to Enhance Voltage Stability of a Wind-Energy Power System. IEEE Transactions on Power Delivery, 2021, 36, 30-42.	4.3	23
156	PV Generation Forecasting With Missing Input Data: A Super-Resolution Perception Approach. IEEE Transactions on Sustainable Energy, 2021, 12, 1493-1496.	8.8	23
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