Jun Yi

List of Publications by Year
in descending order

123 papers	1,300 citations	394421 19 h-index	414414 32 g-index
123 all docs	123 docs citations	123 times ranked	1213 citing authors

#	Article	IF	Citations
1	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
2	Clustered Hybrid Wind Power Prediction Model Based on ARMA, PSO-SVM, and Clustering Methods. IEEE Access, 2020, 8, 17071-17079.	4.2	76
3	Game-Theoretic Energy Management for Residential Users with Dischargeable Plug-in Electric Vehicles. Energies, 2014, 7, 7499-7518.	3.1	59
4	A Scalable Privacy-Preserving Multi-Agent Deep Reinforcement Learning Approach for Large-Scale Peer-to-Peer Transactive Energy Trading. IEEE Transactions on Smart Grid, 2021, 12, 5185-5200.	9.0	58
5	Robust Online Estimation of Power System Center of Inertia Frequency. IEEE Transactions on Power Systems, 2019, 34, 821-825.	6.5	52
6	Framework for vulnerability assessment of communication systems for electric power grids. IET Generation, Transmission and Distribution, 2016, 10, 477-486.	2.5	49
7	Demand-Side Management With Household Plug-In Electric Vehicles: A Bayesian Game-Theoretic Approach. IEEE Systems Journal, 2018, 12, 2894-2904.	4.6	48
8	Nonâ€cooperative and cooperative optimisation of battery energy storage system for energy management in multiâ€microgrid. IET Generation, Transmission and Distribution, 2018, 12, 2369-2377.	2.5	48
9	Commutation Failure Prediction Method Considering Commutation Voltage Distortion and DC Current Variation. IEEE Access, 2019, 7, 96531-96539.	4.2	44
10	Security Assessment for Cyber Physical Distribution Power System Under Intrusion Attacks. IEEE Access, 2019, 7, 75615-75628.	4.2	39
11	An Ordered Curtailment Strategy for Offshore Wind Power Under Extreme Weather Conditions Considering the Resilience of the Grid. IEEE Access, 2019, 7, 54824-54833.	4.2	39
12	Real-Time Autonomous Residential Demand Response Management Based on Twin Delayed Deep Deterministic Policy Gradient Learning. Energies, 2021, 14, 531.	3.1	30
13	Hybrid method for power system transient stability prediction based on twoâ€stage computing resources. IET Generation, Transmission and Distribution, 2018, 12, 1697-1703.	2.5	29
14	Autonomous Household Energy Management Based on a Double Cooperative Game Approach in the Smart Grid. Energies, 2015, 8, 7326-7343.	3.1	28
15	Game-theoretic energy management with storage capacity optimization in the smart grids. Journal of Modern Power Systems and Clean Energy, 2018, 6, 656-667.	5.4	23
16	Mitigation Strategy for Duck Curve in High Photovoltaic Penetration Power System Using Concentrating Solar Power Station. Energies, 2019, 12, 3521.	3.1	23
17	Design of a Cosimulation Platform With Hardware-in-the-Loop for Cyber-Attacks on Cyber-Physical Power Systems. IEEE Access, 2020, 8, 95997-96005.	4.2	23
18	Methods of cyber-attack identification for power systems based on bilateral cyber-physical information. International Journal of Electrical Power and Energy Systems, 2021, 125, 106515.	5.5	21

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19	Multi-Agent Deep Reinforcement Learning for Coordinated Energy Trading and Flexibility Services Provision in Local Electricity Markets. IEEE Transactions on Smart Grid, 2023, 14, 1541-1554.	9.0	21
20	Frequency prediction method considering demand response aggregate characteristics and control effects. Applied Energy, 2018, 229, 936-944.	10.1	20
21	Review of Cyber-attacks and Defense Research on Cyber Physical Power System. , 2019, , .		20
22	A Bi-Level Coordinated Optimization Strategy for Smart Appliances Considering Online Demand Response Potential. Energies, 2017, 10, 525.	3.1	18
23	Frequency Control Strategy for Black Starts via PMSG-Based Wind Power Generation. Energies, 2017, 10, 358.	3.1	18
24	An Extended SFR Model With High Penetration Wind Power Considering Operating Regions and Wind Speed Disturbance. IEEE Access, 2019, 7, 103416-103426.	4.2	17
25	A Hardware-in-the-Loop Based Co-Simulation Platform of Cyber-Physical Power Systems for Wide Area Protection Applications. Applied Sciences (Switzerland), 2017, 7, 1279.	2.5	16
26	An Integrated Model-Driven and Data-Driven Method for On-Line Prediction of Transient Stability of Power System With Wind Power Generation. IEEE Access, 2020, 8, 83472-83482.	4.2	15
27	A Game Theoretical Approach Based Bidding Strategy Optimization for Power Producers in Power Markets with Renewable Electricity. Energies, 2017, 10, 627.	3.1	13
28	Early Warning Method of Transmission Tower Considering Plastic Fatigue Damage Under Typhoon Weather. IEEE Access, 2019, 7, 63983-63991.	4.2	13
29	Data inheritanceâ€"based updating method and its application in transient frequency prediction for a power system. International Transactions on Electrical Energy Systems, 2019, 29, e12022.	1.9	13
30	Fast method to estimate Maximum penetration level of wind power considering frequency cumulative effect. IET Generation, Transmission and Distribution, 2019, 13, 1726-1733.	2.5	12
31	Optimal configuration of distributed power flow controller to enhance system loadability via mixed integer linear programming. Journal of Modern Power Systems and Clean Energy, 2019, 7, 1484-1494.	5.4	12
32	Analysis of the Impact of Combined Information-Physical-Failure on Distribution Network CPS. IEEE Access, 2020, 8, 44140-44152.	4.2	11
33	Coordinated Scheme of Under-Frequency Load Shedding with Intelligent Appliances in a Cyber Physical Power System. Energies, 2016, 9, 630.	3.1	10
34	Differential Protection for an Outgoing Transformer of Large-Scale Doubly Fed Induction Generator-Based Wind Farms. Energies, 2014, 7, 5566-5585.	3.1	9
35	Frequency inconsistency in DFIG-based wind farm during outgoing transmission line faults and its effect on longitudinal differential protection. , 2014, , .		9
36	Coordinated Defense of Distributed Denial of Service Attacks against the Multi-Area Load Frequency Control Services. Energies, 2019, 12, 2493.	3.1	9

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37	Coordinated Control Strategy for Multi Micro Energy Systems Within Distribution Grid Considering Dynamic Characteristics and Contradictory Interests. IEEE Access, 2019, 7, 139548-139559.	4.2	9
38	PMU Measurement-Based Intelligent Strategy for Power System Controlled Islanding. Energies, 2018, 11, 143.	3.1	8
39	An Accurate Forced Oscillation Location and Participation Assessment Method for DFIG Wind Turbine. IEEE Access, 2019, 7, 130505-130514.	4.2	8
40	Physical-data Fusion Modeling Method for Energy Consumption Analysis of Smart Building. Journal of Modern Power Systems and Clean Energy, 2022, 10, 482-491.	5.4	8
41	An Efficient LP-Based Approach for Spatial-Temporal Coordination of Electric Vehicles in Electricity-Transportation Nexus. IEEE Transactions on Power Systems, 2023, 38, 2914-2925.	6.5	8
42	Prediction Model of the Power System Frequency Using a Cross-Entropy Ensemble Algorithm. Entropy, 2017, 19, 552.	2.2	7
43	Adaptive Gains Control Scheme for PMSG-Based Wind Power Plant to Provide Voltage Regulation Service. Energies, 2019, 12, 753.	3.1	7
44	Bayesian game-theoretic energy management for residential users in smart grid. , 2016, , .		6
45	An Outage Risk Oriented Dynamic Distribution Network Reconfiguration Methodology Considering the Effects of Weather Conditions on Power Line Failure Rate. Electric Power Components and Systems, 2016, 44, 2224-2236.	1.8	6
46	Capacity Planning of Distributed Wind Power Based on a Variable-Structure Copula Involving Energy Storage Systems. Energies, 2020, 13, 3602.	3.1	6
47	Research on Multi-Timescale Coordinated Method for Source-Grid-Load with Uncertain Renewable Energy Considering Demand Response. Sustainability, 2021, 13, 3400.	3.2	6
48	A two-stage deep transfer learning for localisation of forced oscillations disturbance source. International Journal of Electrical Power and Energy Systems, 2022, 135, 107577.	5.5	6
49	Architecture and function analysis of integrated energy service stations considering cyber–physical integration. Energy Conversion and Economics, 2021, 2, 186-196.	3.2	6
50	Toward Online Power System Model Identification: A Deep Reinforcement Learning Approach. IEEE Transactions on Power Systems, 2023, 38, 2580-2593.	6.5	6
51	Inverse kinematics and workspace analysis of a bio-inspired flexible parallel robot. , 2013, , .		5
52	A combination forecast method based on cross entropy theory for wind power and application in power control. Transactions of the Institute of Measurement and Control, 2014, 36, 891-897.	1.7	5
53	A distributed control method for power system rotor angle stability based on second-order consensus. , 2014, , .		5
54	Simplified voltage control of paralleling doubly fed induction generators connected to the network using SVC. International Transactions on Electrical Energy Systems, 2015, 25, 2847-2864.	1.9	5

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55	The research on cyber-attack testbed with hardware-in-loop. , 2017, , .		5
56	A Demand Response Strategy in High Photovoltaic Penetration Power Systems Considering the Thermal Ramp Rate Limitation. IEEE Access, 2019, 7, 163814-163822.	4.2	5
57	Complex Fault Source Identification Method for High-Voltage Trip-Offs of Wind Farms Based on SU-MRMR and PSO-SVM. IEEE Access, 2020, 8, 130379-130391.	4.2	5
58	Evaluation Method of Maximum Wind Penetration Level Considering Static Voltage Stability Constraint. , 2020, , .		5
59	A GAN-Based Data Injection Attack Method on Data-Driven Strategies in Power Systems. IEEE Transactions on Smart Grid, 2022, 13, 3203-3213.	9.0	5
60	A hierarchical charging strategy for electric vehicles considering the users' habits and intentions. , 2015, , .		4
61	Frequency control strategy for wind-thermal-bundled power system with HVDC line. , 2015, , .		4
62	The reactive power voltage control strategy of PV systems in low-voltage string lines. , 2017, , .		4
63	Identification of Low Frequency Oscillations Based on Multidimensional Features and ReliefF-mRMR. Energies, 2019, 12, 2762.	3.1	4
64	A Multi-Communication-Based Demand Response Implementation Structure and Control Strategy. Applied Sciences (Switzerland), 2019, 9, 3218.	2.5	4
65	Adaptive Frequency Control Strategy for PMSG-Based Wind Power Plant Considering Releasable Reserve Power. Sustainability, 2022, 14, 1247.	3.2	4
66	Reactive power and voltage emergency control strategy of large-scale grid-connected wind farm. , 2014, , .		3
67	Power Transmission Scheduling for Generators in a Deregulated Environment Based on a Game-Theoretic Approach. Energies, 2015, 8, 13879-13893.	3.1	3
68	Analysis on voltage stability of hybrid system with UHVDC hierarchical connection to AC grid. , 2016, , .		3
69	Research on short-circuit current restraining method based on dynamic partitioning technology. , 2017, , .		3
70	Architecture and Application of Real-time Co-simulation Platform for Cyber-physical Power System. , 2017, , .		3
71	Application of Fog Architecture Based on Multi-agent Mechanism in CPPS. , 2018, , .		3
72	The Real-Time Co-Simulation Platform with Hardware-in-Loop for Cyber-Attack in Smart Grid. , 2018, , .		3

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73	Research on Equivalent Modeling of PMSG-based Wind Farms using Parameter Identification method. , 2020, , .		3
74	Current order–based emergency control strategy for subsequent commutation failure elimination in <scp>HVDC</scp>. International Transactions on Electrical Energy Systems, 2021, 31, e13026.	1.9	3
75	Subsequent Commutation Failure Prediction of HVDC by Integrating Physical-driven and Model-driven Methods. , 2020, , .		3
76	Convolutional Neural Network and Data Augmentation Method for Electricity Theft Detection. , 2021, , .		3
77	A Method for Evaluating the Maximum Capacity of Grid-Connected Wind Farms Considering Multiple Stability Constraints. Electronics (Switzerland), 2022, 11, 509.	3.1	3
78	A framework of theoretical research on load control in grid cyber physical system. , 2016, , .		2
79	Black start technology for local power grid via PMSG-based wind power generation. , 2017, , .		2
80	A Malicious Attack Modeling Method for Source-Grid-Load System Based on Petri Net. , 2018, , .		2
81	Risk Assessment Method for Transmission-distribution Integrated System with Distributed PV. , 2018, , .		2
82	PMSG-Based Black-Start Technology and Its Field Tests. Energies, 2019, 12, 2144.	3.1	2
83	A data-driven approach for online aggregated load modeling through intelligent terminals. International Journal of Distributed Sensor Networks, 2019, 15, 155014771982599.	2.2	2
84	Optimal Operation of Concentrating Solar Power Station in Power System with High Penetration of Photovoltaic Generation. , 2019, , .		2
85	Two-stage voltage control strategy for PV plants based on variable droop control. International Journal of Electronics, 2020, 107, 250-271.	1.4	2
86	Reliability Analysis of Communication Channels in Wide Area Monitoring Analysis Protection-control System. , 2020, , .		2
87	Dynamic grouping strategy for active power control of wind farm. , 2013, , .		1
88	Model the real-time failure rate of protection channels due to communication latency and bit error. , 2015, , .		1
89	Vibration analysis of a bio-inspired flexible parallel mechanism. , 2015, , .		1
90	Research on coordinated control measures to enhance the stability and transmission capacity of electromagnetic loop network. , 2015, , .		1

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91	Accurate Modeling Method of Power System Load Based on Online Measurement under CPS Environment. , 2017, , .		1
92	Research of Stability Control Strategy at the Sending End of UHVDC After Block Fault. , 2018, , .		1
93	A method to predict transient angle stability of power system with wind power integration. , 2019, , .		1
94	Research on DC Power Control Strategy for Mitigating the Continuous Commutation Failure. , 2019, , .		1
95	SCCO: A State-Caching-Based Coagulation Platform for Cybor-Physical Power System Evaluation. IEEE Transactions on Smart Grid, 2021, 12, 1615-1625.	9.0	1
96	An Estimation and Correction Combined Method for HVDC Model Parameters Identification. IEEE Access, 2021, 9, 51020-51028.	4.2	1
97	Optimal Dispatching of Power System by Introducing Concentrating Solar Power Station to Promote Large-scale Wind Power and Photovoltaic Accommodation. Recent Advances in Electrical and Electronic Engineering, 2021, 14, 484-492.	0.3	1
98	Optimal Load Scheduling in Coupled Power and Transportation Networks. , 2021, , .		1
99	A FP-Growth Algorithm Based Fault Analysis Method for Distribution Terminal Unit. , 2021, , .		1
100	An Online Deep Reinforcement Learning Based Parameter Identification Method for HVDC System. , 2021, , .		1
101	Early warning of power grid dispatching system faults based on knowledge graph. , 2021, , .		1
102	An approach for reactive power configuration for wind power base considering the operation risk of power system. , 2013, , .		0
103	Impact assessment of communication service disruptions in power system applications. , 2015, , .		0
104	Research of generator-tripping strategy for wind-thermal-bundled power transmission system in emergency state. , 2016, , .		0
105	Influence of Distributed PV Systems on Voltage in Distribution Network and Countermeasure of Voltage Beyond Limits. , 2017, , .		0
106	Typical Characteristics and Test Platform of CPS for Distribution Network. , 2017, , .		0
107	Research on Preventive-Emergency Control Method Based on Multi-communications in Island Microgrid. , 2018, , .		0
108	Quantitative Risk Assessment and Control Method for Photovoltaic-integrated Power System. , 2018, , .		0

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109	Defence against data loss in PMU-measured power system. , 2018, , .		0
110	A method to assess the leading phase ability of units based on the measured information correction. , 2018, , .		0
111	A Co-Simulation Platform for Cyber-Physical Power Systems Utilizing State Caching Based Synchronization Method. , 2019, , .		0
112	An optimization method of UFLS/UVLS considering the interaction of system state information. IEEJ Transactions on Electrical and Electronic Engineering, 2019, 14, 37-46.	1.4	0
113	Research on Analytical Method of Thevenin Equivalent Parameters for Power System Considering Wind Power. , 2020, , .		0
114	A State-Caching-Based Synchronization Method for Continuous-Discrete System Cosimulation. , 2020, , .		0
115	Fast Prediction of Cascading Commutation Failure in Multi-infeed HVDC System by Integrating Data-driven Method and Model-driven Method. , 2020, , .		0
116	Research on Active Power Command Allocation of the Wind Farm Considering Multiple Uncertainties. , 2021, , .		0
117	Improved Extinction Angle Control for Subsequent Commutation Failure Mitigation in LCC-HVDC. , 2021, , .		0
118	Identification of Charging Behavior for Electric Bicycles based on Supervised Fisher Classifier. , 2021, , .		0
119	Hierarchical Multi-objective Reactive Power and Voltage Control Strategy for Wind Farms. , 2021, , .		0
120	Reactive Power Support Strategy of VSC-MTDC for Low AC Voltage Ride Through. , 2021, , .		0
121	Dynamic Modeling of Smart Buildings Energy Consumption: A Cyber-Physical Fusion Approach. , 2021, , .		0
122	A Non-intrusive Method Based on Deep Learning for Abnormal Electricity Consumption Detection of Electric Bicycles. , 2021, , .		0
123	Towards Market-Based Integration of Renewable Generation in Power Grids. , 2021, , .		0