

# Jun Yi

## List of Publications by Year in descending order

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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	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
2	Toward Online Power System Model Identification: A Deep Reinforcement Learning Approach. IEEE Transactions on Power Systems, 2023, 38, 2580-2593.	6.5	6
3	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
4	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
5	Adaptive Frequency Control Strategy for PMSG-Based Wind Power Plant Considering Releasable Reserve Power. Sustainability, 2022, 14, 1247.	3.2	4
6	A Method for Evaluating the Maximum Capacity of Grid-Connected Wind Farms Considering Multiple Stability Constraints. Electronics (Switzerland), 2022, 11, 509.	3.1	3
7	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
8	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
9	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
10	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
11	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
12	An Estimation and Correction Combined Method for HVDC Model Parameters Identification. IEEE Access, 2021, 9, 51020-51028.	4.2	1
13	Research on Multi-Timescale Coordinated Method for Source-Grid-Load with Uncertain Renewable Energy Considering Demand Response. Sustainability, 2021, 13, 3400.	3.2	6
14	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
15	Current orderâ€¢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
16	Real-Time Autonomous Residential Demand Response Management Based on Twin Delayed Deep Deterministic Policy Gradient Learning. Energies, 2021, 14, 531.	3.1	30
17	Optimal Load Scheduling in Coupled Power and Transportation Networks. , 2021, , .		1
18	A FP-Growth Algorithm Based Fault Analysis Method for Distribution Terminal Unit. , 2021, , .		1

#	ARTICLE	IF	CITATIONS
19	Architecture and function analysis of integrated energy service stations considering cyber-physical integration. Energy Conversion and Economics, 2021, 2, 186-196.	3.2	6
20	Convolutional Neural Network and Data Augmentation Method for Electricity Theft Detection. , 2021, , .		3
21	Research on Active Power Command Allocation of the Wind Farm Considering Multiple Uncertainties. , 2021, , .		0
22	An Online Deep Reinforcement Learning Based Parameter Identification Method for HVDC System. , 2021, , .		1
23	Improved Extinction Angle Control for Subsequent Commutation Failure Mitigation in LCC-HVDC. , 2021, , .		0
24	Identification of Charging Behavior for Electric Bicycles based on Supervised Fisher Classifier. , 2021, , .		0
25	Early warning of power grid dispatching system faults based on knowledge graph. , 2021, , .		1
26	Hierarchical Multi-objective Reactive Power and Voltage Control Strategy for Wind Farms. , 2021, , .		0
27	Reactive Power Support Strategy of VSC-MTDC for Low AC Voltage Ride Through. , 2021, , .		0
28	Dynamic Modeling of Smart Buildings Energy Consumption: A Cyber-Physical Fusion Approach. , 2021, , .		0
29	A Non-intrusive Method Based on Deep Learning for Abnormal Electricity Consumption Detection of Electric Bicycles. , 2021, , .		0
30	Towards Market-Based Integration of Renewable Generation in Power Grids. , 2021, , .		0
31	Two-stage voltage control strategy for PV plants based on variable droop control. International Journal of Electronics, 2020, 107, 250-271.	1.4	2
32	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
33	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
34	Reliability Analysis of Communication Channels in Wide Area Monitoring Analysis Protection-control System. , 2020, , .		2
35	Capacity Planning of Distributed Wind Power Based on a Variable-Structure Copula Involving Energy Storage Systems. Energies, 2020, 13, 3602.	3.1	6
36	Research on Analytical Method of Thevenin Equivalent Parameters for Power System Considering Wind Power. , 2020, , .		0

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37	Research on Equivalent Modeling of PMSG-based Wind Farms using Parameter Identification method. , 2020, , .		3
38	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
39	Analysis of the Impact of Combined Information-Physical-Failure on Distribution Network CPS. IEEE Access, 2020, 8, 44140-44152.	4.2	11
40	Clustered Hybrid Wind Power Prediction Model Based on ARMA, PSO-SVM, and Clustering Methods. IEEE Access, 2020, 8, 17071-17079.	4.2	76
41	Subsequent Commutation Failure Prediction of HVDC by Integrating Physical-driven and Model-driven Methods. , 2020, , .		3
42	A State-Caching-Based Synchronization Method for Continuous-Discrete System Cosimulation. , 2020, , .		0
43	Evaluation Method of Maximum Wind Penetration Level Considering Static Voltage Stability Constraint. , 2020, , .		5
44	Fast Prediction of Cascading Commutation Failure in Multi-infeed HVDC System by Integrating Data-driven Method and Model-driven Method. , 2020, , .		0
45	Security Assessment for Cyber Physical Distribution Power System Under Intrusion Attacks. IEEE Access, 2019, 7, 75615-75628.	4.2	39
46	Early Warning Method of Transmission Tower Considering Plastic Fatigue Damage Under Typhoon Weather. IEEE Access, 2019, 7, 63983-63991.	4.2	13
47	Commutation Failure Prediction Method Considering Commutation Voltage Distortion and DC Current Variation. IEEE Access, 2019, 7, 96531-96539.	4.2	44
48	Coordinated Defense of Distributed Denial of Service Attacks against the Multi-Area Load Frequency Control Services. Energies, 2019, 12, 2493.	3.1	9
49	Identification of Low Frequency Oscillations Based on Multidimensional Features and ReliefF-mRMR. Energies, 2019, 12, 2762.	3.1	4
50	PMSG-Based Black-Start Technology and Its Field Tests. Energies, 2019, 12, 2144.	3.1	2
51	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
52	A Multi-Communication-Based Demand Response Implementation Structure and Control Strategy. Applied Sciences (Switzerland), 2019, 9, 3218.	2.5	4
53	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
54	Mitigation Strategy for Duck Curve in High Photovoltaic Penetration Power System Using Concentrating Solar Power Station. Energies, 2019, 12, 3521.	3.1	23

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55	Optimal configuration of distributed power flow controller to enhance system loadability via mixed integer linear programming. <i>Journal of Modern Power Systems and Clean Energy</i> , 2019, 7, 1484-1494.	5.4	12
56	An Extended SFR Model With High Penetration Wind Power Considering Operating Regions and Wind Speed Disturbance. <i>IEEE Access</i> , 2019, 7, 103416-103426.	4.2	17
57	A Co-Simulation Platform for Cyber-Physical Power Systems Utilizing State Caching Based Synchronization Method. , 2019, , .		0
58	An Accurate Forced Oscillation Location and Participation Assessment Method for DFIG Wind Turbine. <i>IEEE Access</i> , 2019, 7, 130505-130514.	4.2	8
59	A data-driven approach for online aggregated load modeling through intelligent terminals. <i>International Journal of Distributed Sensor Networks</i> , 2019, 15, 155014771982599.	2.2	2
60	Integrating Model-Driven and Data-Driven Methods for Power System Frequency Stability Assessment and Control. <i>IEEE Transactions on Power Systems</i> , 2019, 34, 4557-4568.	6.5	120
61	An Ordered Curtailment Strategy for Offshore Wind Power Under Extreme Weather Conditions Considering the Resilience of the Grid. <i>IEEE Access</i> , 2019, 7, 54824-54833.	4.2	39
62	Data inheritance-based updating method and its application in transient frequency prediction for a power system. <i>International Transactions on Electrical Energy Systems</i> , 2019, 29, e12022.	1.9	13
63	Adaptive Gains Control Scheme for PMSG-Based Wind Power Plant to Provide Voltage Regulation Service. <i>Energies</i> , 2019, 12, 753.	3.1	7
64	A method to predict transient angle stability of power system with wind power integration. , 2019, , .		1
65	Research on DC Power Control Strategy for Mitigating the Continuous Commutation Failure. , 2019, , .		1
66	Optimal Operation of Concentrating Solar Power Station in Power System with High Penetration of Photovoltaic Generation. , 2019, , .		2
67	Review of Cyber-attacks and Defense Research on Cyber Physical Power System. , 2019, , .		20
68	A Demand Response Strategy in High Photovoltaic Penetration Power Systems Considering the Thermal Ramp Rate Limitation. <i>IEEE Access</i> , 2019, 7, 163814-163822.	4.2	5
69	An optimization method of UFLS/UVLS considering the interaction of system state information. <i>IEEE Transactions on Electrical and Electronic Engineering</i> , 2019, 14, 37-46.	1.4	0
70	Robust Online Estimation of Power System Center of Inertia Frequency. <i>IEEE Transactions on Power Systems</i> , 2019, 34, 821-825.	6.5	52
71	Demand-Side Management With Household Plug-In Electric Vehicles: A Bayesian Game-Theoretic Approach. <i>IEEE Systems Journal</i> , 2018, 12, 2894-2904.	4.6	48
72	A Malicious Attack Modeling Method for Source-Grid-Load System Based on Petri Net. , 2018, , .		2

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73	Research of Stability Control Strategy at the Sending End of UHVDC After Block Fault. , 2018, , .		1
74	Risk Assessment Method for Transmission-distribution Integrated System with Distributed PV. , 2018, , .		2
75	Application of Fog Architecture Based on Multi-agent Mechanism in CPPS. , 2018, , .		3
76	Research on Preventive-Emergency Control Method Based on Multi-communications in Island Microgrid. , 2018, , .		0
77	Quantitative Risk Assessment and Control Method for Photovoltaic-integrated Power System. , 2018, , .		0
78	The Real-Time Co-Simulation Platform with Hardware-in-Loop for Cyber-Attack in Smart Grid. , 2018, , .		3
79	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
80	Non-cooperative and cooperative optimisation of battery energy storage system for energy management in multi-microgrid. IET Generation, Transmission and Distribution, 2018, 12, 2369-2377.	2.5	48
81	Defence against data loss in PMU-measured power system. , 2018, , .		0
82	PMU Measurement-Based Intelligent Strategy for Power System Controlled Islanding. Energies, 2018, 11, 143.	3.1	8
83	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
84	Frequency prediction method considering demand response aggregate characteristics and control effects. Applied Energy, 2018, 229, 936-944.	10.1	20
85	A method to assess the leading phase ability of units based on the measured information correction. , 2018, , .		0
86	The reactive power voltage control strategy of PV systems in low-voltage string lines. , 2017, , .		4
87	Black start technology for local power grid via PMSG-based wind power generation. , 2017, , .		2
88	Research on short-circuit current restraining method based on dynamic partitioning technology. , 2017, , .		3
89	The research on cyber-attack testbed with hardware-in-loop. , 2017, , .		5
90	Accurate Modeling Method of Power System Load Based on Online Measurement under CPS Environment. , 2017, , .		1

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91	Influence of Distributed PV Systems on Voltage in Distribution Network and Countermeasure of Voltage Beyond Limits. , 2017, , .		0
92	Typical Characteristics and Test Platform of CPS for Distribution Network. , 2017, , .		0
93	Prediction Model of the Power System Frequency Using a Cross-Entropy Ensemble Algorithm. Entropy, 2017, 19, 552.	2.2	7
94	A Bi-Level Coordinated Optimization Strategy for Smart Appliances Considering Online Demand Response Potential. Energies, 2017, 10, 525.	3.1	18
95	A Game Theoretical Approach Based Bidding Strategy Optimization for Power Producers in Power Markets with Renewable Electricity. Energies, 2017, 10, 627.	3.1	13
96	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
97	Frequency Control Strategy for Black Starts via PMSG-Based Wind Power Generation. Energies, 2017, 10, 358.	3.1	18
98	Architecture and Application of Real-time Co-simulation Platform for Cyber-physical Power System. , 2017, , .		3
99	Coordinated Scheme of Under-Frequency Load Shedding with Intelligent Appliances in a Cyber Physical Power System. Energies, 2016, 9, 630.	3.1	10
100	Research of generator-tripping strategy for wind-thermal-bundled power transmission system in emergency state. , 2016, , .		0
101	A framework of theoretical research on load control in grid cyber physical system. , 2016, , .		2
102	Bayesian game-theoretic energy management for residential users in smart grid. , 2016, , .		6
103	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
104	Analysis on voltage stability of hybrid system with UHVDC hierarchical connection to AC grid. , 2016, , .		3
105	Framework for vulnerability assessment of communication systems for electric power grids. IET Generation, Transmission and Distribution, 2016, 10, 477-486.	2.5	49
106	Model the real-time failure rate of protection channels due to communication latency and bit error. , 2015, , .		1
107	Autonomous Household Energy Management Based on a Double Cooperative Game Approach in the Smart Grid. Energies, 2015, 8, 7326-7343.	3.1	28
108	Power Transmission Scheduling for Generators in a Deregulated Environment Based on a Game-Theoretic Approach. Energies, 2015, 8, 13879-13893.	3.1	3

#	ARTICLE	IF	CITATIONS
109	Vibration analysis of a bio-inspired flexible parallel mechanism. , 2015, , .		1
110	Research on coordinated control measures to enhance the stability and transmission capacity of electromagnetic loop network. , 2015, , .		1
111	Impact assessment of communication service disruptions in power system applications. , 2015, , .		0
112	A hierarchical charging strategy for electric vehicles considering the users' habits and intentions. , 2015, , .		4
113	Frequency control strategy for wind-thermal-bundled power system with HVDC line. , 2015, , .		4
114	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
115	Differential Protection for an Outgoing Transformer of Large-Scale Doubly Fed Induction Generator-Based Wind Farms. Energies, 2014, 7, 5566-5585.	3.1	9
116	Game-Theoretic Energy Management for Residential Users with Dischargeable Plug-in Electric Vehicles. Energies, 2014, 7, 7499-7518.	3.1	59
117	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
118	Reactive power and voltage emergency control strategy of large-scale grid-connected wind farm. , 2014, , .		3
119	A distributed control method for power system rotor angle stability based on second-order consensus. , 2014, , .		5
120	Frequency inconsistency in DFIG-based wind farm during outgoing transmission line faults and its effect on longitudinal differential protection. , 2014, , .		9
121	An approach for reactive power configuration for wind power base considering the operation risk of power system. , 2013, , .		0
122	Dynamic grouping strategy for active power control of wind farm. , 2013, , .		1
123	Inverse kinematics and workspace analysis of a bio-inspired flexible parallel robot. , 2013, , .		5