Jun Liu

List of Publications by Year in descending order

63 papers	**1,054** citations	623188 **14** h-index	500791 **28** g-index
63 all docs	**63** docs citations	**63** times ranked	**1062** citing authors

#	Article	IF	Citations
1	GPU accelerated power flow calculation of integrated electricity and heat system with component-oriented modeling of district heating network. Applied Energy, 2022, 305, 117832.	5.1	7
2	Data-Driven Risk Assessment Early-Warning Model for Power System Transmission Congestions. , 2022, , .		4
3	High-Precision Identification of Power Quality Disturbances Under Strong Noise Environment Based on FastICA and Random Forest. IEEE Transactions on Industrial Informatics, 2021, 17, 377-387.	7.2	32
4	Incremental learning method for online transient stability assessment of power system based on KKT condition. , 2021, , .		0
5	Research on Power System Transient Security Prediction Based on AdaBoost-SVM. , 2021, , .		0
6	Variable Extinction Angle Control Strategy Based on Virtual Resistance to Mitigate Commutation Failures in HVDC System. IEEE Access, 2020, 8, 93692-93704.	2.6	24
7	A criterion for accurate identification of commutation failure in HVDC systems. Electric Power Systems Research, 2020, 184, 106338.	2.1	7
8	Distributionally Robust Optimal Reactive Power Dispatch with Wasserstein Distance in Active Distribution Network. Journal of Modern Power Systems and Clean Energy, 2020, 8, 426-436.	3.3	34
9	Market Trading Model of Urban Energy Internet Based on Tripartite Game Theory. Energies, 2020, 13, 1834.	1.6	3
10	An Improved Power System Transient Stability Prediction Model Based on mRMR Feature Selection and WTA Ensemble Learning. Applied Sciences (Switzerland), 2020, 10, 2255.	1.3	18
11	mu-Synthesis Robust Control of Variable Speed Wind Turbine Generators for Participating in Microgrid Frequency Regulation. , 2020, , .		4
12	Energy Flow Calculation Method of Combined Cooling, Heating and Power System with Terminal Cooling Network Model. , 2020, , .		1
13	Increasing the Wind Power Utilization of Hybrid AC/DC Systems Based on Optimal Active Power Control of HVDC. , 2020, , .		0
14	Path Recovery Model for Power Systems With Renewable Energy Based on An Improved Node Weighting Method. , 2020, , .		2
15	Analysis on adaptability of eastern and central China with wind power integration. IOP Conference Series: Earth and Environmental Science, 2019, 237, 062010.	0.2	0
16	Power system stochastic transient stability assessment based on Monte Carlo simulation. Journal of Engineering, 2019, 2019, 1051-1055.	0.6	5
17	Influence of solid oxide fuel cell on power system transient stability. Journal of Engineering, 2019, 2019, 1081-1086.	0.6	7
18	Distributionally Robust Chance-Constraint Optimal Power Flow Considering Uncertain Renewables with Wasserstein-Moment Metric. Energy Procedia, 2019, 158, 192-197.	1.8	2

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19	Transient stability analysis of one special type of AC microgrids with a gas reciprocating generator unit. Journal of Engineering, 2019, 2019, 1565-1570.	0.6	2
20	Optimal approach in the EMS of microgrids based on online forecasts. Journal of Engineering, 2019, 2019, 1645-1648.	0.6	3
21	Modified capacitor voltage balancing sorting algorithm for modular multilevel converter. Journal of Engineering, 2019, 2019, 3315-3319.	0.6	9
22	Study on Operation Strategy of System Connected to Large Scale Offshore Wind Power. , 2019, , .		1
23	Coordinated Restoration Model of Renewable Energy and Conventional Generator Units after Faults. , 2019, , .		3
24	Identification and Location of Voltage Sag Sources Based on Multi-Label Random Forest. , 2019, , .		5
25	Small-Signal Model and Stability Analysis of DC Microgrids with Master-Slave Control Strategy. , 2019, , .		3
26	Research on China's re-electrification technology recognition. AIP Conference Proceedings, 2019, , .	0.3	0
27	Application of improved SVM algorithm and variational mode decomposition in power quality disturbances recognition. , 2019, , .		0
28	Distributionally Robust Chance-Constrained Approximate AC-OPF With Wasserstein Metric. IEEE Transactions on Power Systems, 2018, 33, 4924-4936.	4.6	176
29	Application of thyristor controlled phase shifting transformer excitation impedance switching control to suppress short-circuit fault current level. Journal of Modern Power Systems and Clean Energy, 2018, 6, 821-832.	3.3	16
30	Data-Driven Affinely Adjustable Distributionally Robust Unit Commitment. IEEE Transactions on Power Systems, 2018, 33, 1385-1398.	4.6	100
31	A Conservative Prediction Model of Power System Transient Stability. , 2018, , .		2
32	Research of Photovoltaic Power Forecasting Based on Big Data and mRMR Feature Reduction. , 2018, , .		6
33	Impact of Electric Vehicles on Microgrids Considering Multiple Correlations. , 2018, , .		3
34	The Measures Contribution Researches on Renewable Energy Accommodation Based on Production Simulation. E3S Web of Conferences, 2018, 38, 01022.	0.2	1
35	A peaking-regulation-balance-based method for wind & PV power integrated accommodation. IOP Conference Series: Earth and Environmental Science, 2018, 121, 042034.	0.2	0
36	Data-Driven Distributionally Robust Energy-Reserve-Storage Dispatch. IEEE Transactions on Industrial Informatics, 2018, 14, 2826-2836.	7.2	43

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37	Moment-SOS Approach to Interval Power Flow. IEEE Transactions on Power Systems, 2017, 32, 522-530.	4.6	18
38	Initialization of Full Electromagnetic Transient Simulation via a Novel Transition State Calculation. , 2017, , .		5
39	Study on the statistical characteristics of solar power. IOP Conference Series: Earth and Environmental Science, 2017, 52, 012015.	0.2	0
40	Abnormality in power system transient stability control of BESS/STATCOM. Journal of Engineering, 2017, 2017, 1040-1044.	0.6	12
41	Power transformer transient modeling considering the effects of on-load tap changer. , 2017, , .		1
42	A combined AC-DC control strategy for commutation failure mitigation. , 2017, , .		5
43	Analysis on the accommodation of renewable energy in northeast China. IOP Conference Series: Earth and Environmental Science, 2017, 52, 012008.	0.2	1
44	A Parallel Probabilistic Load Flow Method Considering Nodal Correlations. Energies, 2016, 9, 1041.	1.6	13
45	An Energy Saving System for a Beam Pumping Unit. Sensors, 2016, 16, 685.	2.1	16
46	Commutation Failure analysis in single- and multi-infeed HVDC systems. , 2016, , .		10
47	Multi-period OPF with energy storages and renewable sources: A parallel moment approach. , 2016, , .		4
48	Suppression of numerical oscillations in power system electromagnetic transient simulation via 2S-DIRK method. , 2016, , .		1
49	Research of transformer modeling considering the influence of tap positions on original parameters. , 2016, , .		1
50	Research of an active and reactive power coordinated control method for photovoltaic inverters to improve power system transient stability. , 2016, , .		9
51	Study on inter-harmonics in short-circuit current of hybrid AC/DC electric power systems. , 2016, , .		2
52	A novel load flow model for distribution systems based on current injections. , 2016, , .		1
53	Simulation of wind power time series based on the MCMC method. , 2015, , .		5
54	Modified Quasi-Steady State Model of DC System for Transient Stability Simulation under Asymmetric Faults. Mathematical Problems in Engineering, 2015, 2015, 1-12.	0.6	11

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55	Adaptive barrier filter–line–search interior point method for optimal power flow with FACTS devices. IET Generation, Transmission and Distribution, 2015, 9, 2792-2798.	1.4	19
56	An Improved Photovoltaic Power Forecasting Model With the Assistance of Aerosol Index Data. IEEE Transactions on Sustainable Energy, 2015, 6, 434-442.	5.9	283
57	An Ultrasonic Sensor System Based on a Two-Dimensional State Method for Highway Vehicle Violation Detection Applications. Sensors, 2015, 15, 9000-9021.	2.1	17
58	Fault current limiting by phase shifting angle control of TCPST. , 2015, , .		4
59	Photovoltaic power forecasting based on artificial neural network and meteorological data. , 2013, , .		24
60	Increasing wind power penetration level based on hybrid wind and Photovoltaic generation. , 2013, , .		8
61	A Novel Smart High-Voltage Circuit Breaker for Smart Grid Applications. IEEE Transactions on Smart Grid, 2011, 2, 254-264.	6.2	55
62	A Novel intelligent high voltage SF$_6$ circuit breaker. , 2010, , .		3
63	An Novel Power Flow Calculation Model with the Elimination of Interconnecting Nodes. , 0, , .		3