

# Liu Wenxia

## List of Publications by Year in descending order

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48  
papers

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citations

840776

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48  
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48  
docs citations

48  
times ranked

535  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reliability Modeling and Evaluation of Active Cyber Physical Distribution System. IEEE Transactions on Power Systems, 2018, 33, 7096-7108.	6.5	111
2	Optimal planning of battery energy storage considering reliability benefit and operation strategy in active distribution system. Journal of Modern Power Systems and Clean Energy, 2017, 5, 177-186.	5.4	103
3	A Bi-Level Interval Robust Optimization Model for Service Restoration in Flexible Distribution Networks. IEEE Transactions on Power Systems, 2021, 36, 1843-1855.	6.5	29
4	Reliability Assessment of Power Systems with Photovoltaic Power Stations Based on Intelligent State Space Reduction and Pseudo-Sequential Monte Carlo Simulation. Energies, 2018, 11, 1431.	3.1	28
5	A New Method to Plan the Capacity and Location of Battery Swapping Station for Electric Vehicle Considering Demand Side Management. Sustainability, 2016, 8, 557.	3.2	23
6	Short-Term Load Forecasting Based on Deep Learning for End-User Transformer Subject to Volatile Electric Heating Loads. IEEE Access, 2019, 7, 162697-162707.	4.2	22
7	An Integrated Planning Approach for Distributed Generation Interconnection in Cyber Physical Active Distribution Systems. IEEE Transactions on Smart Grid, 2020, 11, 541-554.	9.0	22
8	Reliability Modeling and Assessment of Isolated Microgrid Considering Influences of Frequency Control. IEEE Access, 2019, 7, 50362-50371.	4.2	20
9	Analytical Reliability Evaluation of Active Distribution Systems Considering Information Link Failures. IEEE Transactions on Power Systems, 2020, 35, 4167-4179.	6.5	17
10	Optimal Distributed Generator Allocation Method Considering Voltage Control Cost. Sustainability, 2016, 8, 193.	3.2	14
11	Fast reliability evaluation method for composite power system based on the improved EDA and double cross linked list. IET Generation, Transmission and Distribution, 2017, 11, 3835-3842.	2.5	12
12	A Preliminary Communication Model of Smart Meter Based on IEC 61850. , 2011, , .		7
13	Minimum load-shedding calculation approach considering loads difference. , 2014, , .		7
14	Collaborative Planning of DERs and Intentional Islands in Distribution Network Considering Loss-of-Load Risk. IEEE Access, 2018, 6, 45961-45973.	4.2	6
15	Reliability model of MMC-based flexible interconnection switch considering the effect of loading state uncertainty. IET Power Electronics, 2019, 12, 358-367.	2.1	6
16	Medium-term Load Forecast Based on Sequence Decomposition and Neural Network. , 2019, , .		6
17	Analyzing the impacts of electric vehicle charging on distribution system reliability. , 2012, , .		5
18	Investigation and Modeling of Communication Delays in Wide Area Measurement System. , 2012, , .		5

#	ARTICLE	IF	CITATIONS
19	Coordinate Optimization of the Distribution Network Electricity Price, Energy Storage Operation Strategy, and Capacity under a Shared Mechanism. Sustainability, 2017, 9, 1080.	3.2	5
20	Risk Assessment of Generation and Transmission Systems Considering Wind Power Penetration. , 2018, , .		5
21	Analysis of probabilistic energy flow for integrated electricity-gas energy system with P2G based on cumulant method. , 2017, , .		4
22	Bilateral collaborative operation optimisation model in integrated multi-energy system. Journal of Engineering, 2017, 2017, 2519-2524.	1.1	4
23	Differentiated local controls for distributed generators in active distribution networks considering cyber failures. International Journal of Electrical Power and Energy Systems, 2022, 135, 107569.	5.5	4
24	Reliability modeling of MMC-based flexible interconnection controller considering the uncertainty of current loading. Microsystem Technologies, 2019, 25, 905-916.	2.0	3
25	Reliability evaluation and analysis of multi-terminal interconnect power distribution system with flexible multi-state switch. IET Generation, Transmission and Distribution, 2020, 14, 4746-4754.	2.5	3
26	Optimization of decentralized control strategies of distributed resources under cyber failures in flexible distribution network. International Journal of Electrical Power and Energy Systems, 2022, 142, 108320.	5.5	3
27	Optimal sizing of small hydro power plants in consideration of voltage control. , 2015, , .		2
28	Assessment Method for Substation Capacity Credit of Generalized Power Source Considering Grid Structure. Sustainability, 2017, 9, 928.	3.2	2
29	Reliability Evaluation of Composite Power Systems Considering Wind Farms Based on Cross Entropy and Dynamic Orthogonal List. Electric Power Components and Systems, 2018, 46, 1650-1661.	1.8	2
30	Optimal device capacity planning and strategy determination in an integrated energy system to promoting IES integration considering reliability value. IET Generation, Transmission and Distribution, 2021, 15, 2356-2370.	2.5	2
31	Cooperative optimisation strategy of comprehensive vulnerability of active distribution network considering information interrupted. IET Renewable Power Generation, 2020, 14, 1978-1987.	3.1	2
32	Substation planning based on geographic information and differential evolution algorithm. , 2009, , .		1
33	Active distribution network multiperiod service restoration considering flexible load. , 2015, , .		1
34	Evaluation indices set and decision-making method for regional "coal to electricity" optimal development mode. AIP Conference Proceedings, 2019, , .	0.4	1
35	Power System Transient Stability Assessment Based on PSO-DBN. , 2021, , .		1
36	Research on primary frequency regulation of system with volatility of wind power. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
37	Reliability assessment of composite generation and transmission system containing wind farms. , 2012, , .		0
38	Environmental effects evaluation of electric vehicles based on multi-grey target theory. , 2012, , .		0
39	Transmission expansion planning based on hybrid EDA/DE algorithm considering wind power penetration. , 2015, , .		0
40	Voltage regulation for active distribution network: A generalized Nash game approach. , 2015, , .		0
41	An integrated planning method of active distribution system considering decentralized voltage control. , 2016, , .		0
42	Voltage control strategies affecting maximum power generation of photovoltaic generation in distribution network. , 2016, , .		0
43	Investment Decision Method of Power Grid Project Considering Risk and Function Orientation. , 2018, , .		0
44	Multi-Objective Planning of DG Based on Credible Capacity. , 2019, , .		0
45	Collaborative Optimal Configuration of Electric Power Conversion Equipment and CCHP Equipment in IES Considering Variable Working Condition. , 2019, , .		0
46	The Bilateral Game of The Wind Farm-Thermal Power Plant Alliance and The Large Consumer Based on The Direct Power Purchase. , 2019, , .		0
47	Voltage Quality Evaluation of Cyber Power System under Software Failure. , 2019, , .		0
48	Reliability Evaluation of Cyber Physical System Based On Fast Analytic Method. , 2020, , .		0