

Weijia Liu

List of Publications by Year in descending order

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45
papers

1,563
citations

304743

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302126

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all docs

45
docs citations

45
times ranked

1544
citing authors

#	ARTICLE	IF	CITATIONS
1	Day-Ahead Congestion Management in Distribution Systems Through Household Demand Response and Distribution Congestion Prices. IEEE Transactions on Smart Grid, 2014, 5, 2739-2747.	9.0	136
2	Optimal Operation Strategy for Integrated Natural Gas Generating Unit and Power-to-Gas Conversion Facilities. IEEE Transactions on Sustainable Energy, 2018, 9, 1870-1879.	8.8	110
3	Intraday Residential Demand Response Scheme Based on Peer-to-Peer Energy Trading. IEEE Transactions on Industrial Informatics, 2020, 16, 1823-1835.	11.3	92
4	Optimal operation of electricity, natural gas and heat systems considering integrated demand responses and diversified storage devices. Journal of Modern Power Systems and Clean Energy, 2018, 6, 423-437.	5.4	82
5	Provision of flexible ramping product by battery energy storage in day-ahead energy and reserve markets. IET Generation, Transmission and Distribution, 2018, 12, 2256-2264.	2.5	80
6	A novel transactive energy control mechanism for collaborative networked microgrids. IEEE Transactions on Power Systems, 2019, 34, 2048-2060.	6.5	76
7	Decentralized Short-Term Voltage Control in Active Power Distribution Systems. IEEE Transactions on Smart Grid, 2018, 9, 4566-4576.	9.0	68
8	A wide area monitoring system based load restoration method. IEEE Transactions on Power Systems, 2013, 28, 2025-2034.	6.5	65
9	Switch Opening and Exchange Method for Stochastic Distribution Network Reconfiguration. IEEE Transactions on Smart Grid, 2020, 11, 2995-3007.	9.0	64
10	Stochastic Transmission Expansion Planning Considering Uncertain Dynamic Thermal Rating of Overhead Lines. IEEE Transactions on Power Systems, 2019, 34, 432-443.	6.5	60
11	Coordinated Planning Strategy for Integrated Energy Systems in a District Energy Sector. IEEE Transactions on Sustainable Energy, 2020, 11, 1807-1819.	8.8	59
12	Power-to-gas technology in energy systems: current status and prospects of potential operation strategies. Journal of Modern Power Systems and Clean Energy, 2017, 5, 439-450.	5.4	57
13	Optimisation model for power system restoration with support from electric vehicles employing battery swapping. IET Generation, Transmission and Distribution, 2016, 10, 771-779.	2.5	54
14	Multi-objective restoration optimisation of power systems with battery energy storage systems. IET Generation, Transmission and Distribution, 2016, 10, 1749-1757.	2.5	49
15	Optimal Energy Flow for Integrated Energy Systems Considering Gas Transients. IEEE Transactions on Power Systems, 2019, 34, 5076-5079.	6.5	42
16	Day-Ahead Optimal Operation for Multi-Energy Residential Systems With Renewables. IEEE Transactions on Sustainable Energy, 2019, 10, 1927-1938.	8.8	42
17	Congestion management with demand response considering uncertainties of distributed generation outputs and market prices. Journal of Modern Power Systems and Clean Energy, 2017, 5, 66-78.	5.4	40
18	Intuitionistic fuzzy Choquet integral operator-based approach for black-start decision-making. IET Generation, Transmission and Distribution, 2012, 6, 378-386.	2.5	34

#	ARTICLE	IF	CITATIONS
19	Sectionalizing strategies for minimizing outage durations of critical loads in parallel power system restoration with bi-level programming. <i>International Journal of Electrical Power and Energy Systems</i> , 2015, 71, 327-334.	5.5	32
20	Peer-to-Peer Energy Trading Under Network Constraints Based on Generalized Fast Dual Ascent. <i>IEEE Transactions on Smart Grid</i> , 2023, 14, 1441-1453.	9.0	27
21	Bidding Strategy for Aggregators of Electric Vehicles in Day-Ahead Electricity Markets. <i>Energies</i> , 2017, 10, 144.	3.1	26
22	On Vulnerability and Resilience of Cyber-Physical Power Systems: A Review. <i>IEEE Systems Journal</i> , 2022, 16, 2367-2378.	4.6	25
23	Analysis and optimisation of the preferences of decision-makers in black-start group decision-making. <i>IET Generation, Transmission and Distribution</i> , 2013, 7, 14-23.	2.5	24
24	A Penalty Scheme for Mitigating Uninstructed Deviation of Generation Outputs From Variable Renewables in a Distribution Market. <i>IEEE Transactions on Smart Grid</i> , 2020, 11, 4056-4069.	9.0	21
25	Hierarchical Distribution System Adaptive Restoration With Diverse Distributed Energy Resources. <i>IEEE Transactions on Sustainable Energy</i> , 2021, 12, 1347-1359.	8.8	21
26	Collaborative Distribution System Restoration Planning and Real-Time Dispatch Considering Behind-the-Meter DERS. <i>IEEE Transactions on Power Systems</i> , 2021, 36, 3629-3644.	6.5	21
27	Availability Assessment Based Case-Sensitive Power System Restoration Strategy. <i>IEEE Transactions on Power Systems</i> , 2020, 35, 1432-1445.	6.5	19
28	An accurate bilinear cavern model for compressed air energy storage. <i>Applied Energy</i> , 2019, 242, 752-768.	10.1	17
29	Joint Planning of EV Fast Charging Stations and Power Distribution Systems with Balanced Traffic Flow Assignment. <i>IEEE Transactions on Industrial Informatics</i> , 2020, , 1-1.	11.3	16
30	Expansion planning for active distribution networks considering deployment of smart management technologies. <i>IET Generation, Transmission and Distribution</i> , 2018, 12, 4605-4614.	2.5	15
31	Improving the Restorability of Bulk Power Systems With the Implementation of a WF-BESS System. <i>IEEE Transactions on Power Systems</i> , 2019, 34, 2366-2377.	6.5	14
32	Discussion on "Distribution Locational Marginal Pricing for Optimal Electric Vehicle Charging Management". <i>IEEE Transactions on Power Systems</i> , 2014, 29, 1866-1866.	6.5	13
33	Development of robust participation strategies for an aggregator of electric vehicles in multiple types of electricity markets. <i>Energy Conversion and Economics</i> , 2020, 1, 104-123.	3.2	13
34	Economic MPC-Based Smart Home Scheduling With Comprehensive Load Types, Real-Time Tariffs, and Intermittent DERs. <i>IEEE Access</i> , 2020, 8, 194373-194383.	4.2	12
35	An Aggregated Model for Energy Management Considering Crowdsourcing Behaviors of Distributed Energy Resources. <i>IEEE Access</i> , 2019, 7, 145757-145766.	4.2	6
36	Q-Learning-Based Impact Assessment of Propagating Extreme Weather on Distribution Grids. , 2020, , .		6

#	ARTICLE	IF	CITATIONS
37	Rolling optimization of transmission network recovery and load restoration considering hybrid wind-storage system and cold load pickup. International Journal of Electrical Power and Energy Systems, 2022, 141, 108168.	5.5	6
38	Multifractal based return interval approach for short-term electricity price volatility risk estimation. IET Generation, Transmission and Distribution, 2014, 8, 1550-1560.	2.5	5
39	Dynamic Restoration Strategy for Distribution System Resilience Enhancement. , 2020, , .		5
40	Power System Resilience Evaluation Framework and Metric Review. , 2022, , .		3
41	Distributed generator-based distribution system service restoration strategy and model-free control methods. Global Energy Interconnection, 2021, 4, 126-135.	2.3	2
42	Post-Disturbance Dynamic Distribution System Restoration with DGs and Mobile Resources. , 2020, , .		2
43	Well-Being Analysis of Power Systems Considering Increasing Deployment of Gas Turbines. Energies, 2017, 10, 955.	3.1	1
44	Fast Path-Oriented Strategy for Power System Restoration. , 2019, , .		1
45	A Hybrid Data-Driven and Model-Based Anomaly Detection Scheme for DER Operation. , 2022, , .		0