Mingjian Cui

List of Publications by Year
in descending order

56	1,943	218677	254184
papers	citations	26	43
		h-index	g-index

56	56	56	1790
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	A data-driven multi-model methodology with deep feature selection for short-term wind forecasting. Applied Energy, 2017, 190, 1245-1257.	10.1	253
2	Wind Power Ramp Event Forecasting Using a Stochastic Scenario Generation Method. IEEE Transactions on Sustainable Energy, 2015, 6, 422-433.	8.8	134
3	Machine Learning-Based Anomaly Detection for Load Forecasting Under Cyberattacks. IEEE Transactions on Smart Grid, 2019, 10, 5724-5734.	9.0	104
4	An Optimized Swinging Door Algorithm for Identifying Wind Ramping Events. IEEE Transactions on Sustainable Energy, 2016, 7, 150-162.	8.8	80
5	Model-Free Emergency Frequency Control Based on Reinforcement Learning. IEEE Transactions on Industrial Informatics, 2021, 17, 2336-2346.	11.3	72
6	Wind-Friendly Flexible Ramping Product Design in Multi-Timescale Power System Operations. IEEE Transactions on Sustainable Energy, 2017, 8, 1064-1075.	8.8	69
7	Deep Learning-Based Time-Varying Parameter Identification for System-Wide Load Modeling. IEEE Transactions on Smart Grid, 2019, 10, 6102-6114.	9.0	69
8	Unsupervised Clustering-Based Short-Term Solar Forecasting. IEEE Transactions on Sustainable Energy, 2019, 10, 2174-2185.	8.8	69
9	A Data-Driven Methodology for Probabilistic Wind Power Ramp Forecasting. IEEE Transactions on Smart Grid, 2019, 10, 1326-1338.	9.0	68
10	A Novel Event Detection Method Using PMU Data With High Precision. IEEE Transactions on Power Systems, 2019, 34, 454-466.	6.5	66
11	Ramp forecasting performance from improved short-term wind power forecasting over multiple spatial and temporal scales. Energy, 2017, 122, 528-541.	8.8	61
12	Characterizing and analyzing ramping events in wind power, solar power, load, and netload. Renewable Energy, 2017, 111, 227-244.	8.9	61
13	A Copula-Based Conditional Probabilistic Forecast Model for Wind Power Ramps. IEEE Transactions on Smart Grid, 2019, 10, 3870-3882.	9.0	53
14	Optimal coordination of virtual power plant with photovoltaics and electric vehicles: A temporally coupled distributed online algorithm. Applied Energy, 2020, 277, 115583.	10.1	52
15	Online Optimization for Networked Distributed Energy Resources With Time-Coupling Constraints. IEEE Transactions on Smart Grid, 2021, 12, 251-267.	9.0	49
16	Flexible Machine Learning-Based Cyberattack Detection Using Spatiotemporal Patterns for Distribution Systems. IEEE Transactions on Smart Grid, 2020, 11, 1805-1808.	9.0	48
17	Load altering attack-tolerant defense strategy for load frequency control system. Applied Energy, 2020, 280, 116015.	10.1	46
18	Statistical Representation of Wind Power Ramps Using a Generalized Gaussian Mixture Model. IEEE Transactions on Sustainable Energy, 2018, 9, 261-272.	8.8	45

#	Article	IF	Citations
19	Estimating ramping requirements with solar-friendly flexible ramping product in multi-timescale power system operations. Applied Energy, 2018, 225, 27-41.	10.1	45
20	Deeply Hidden Moving-Target-Defense for Cybersecure Unbalanced Distribution Systems Considering Voltage Stability. IEEE Transactions on Power Systems, 2021, 36, 1961-1972.	6.5	33
21	Robustness and adaptability analysis for equivalent model of doubly fed induction generator wind farm using measured data. Applied Energy, 2020, 261, 114362.	10.1	32
22	Multilevel Programming-Based Coordinated Cyber Physical Attacks and Countermeasures in Smart Grid. IEEE Access, 2019, 7, 9836-9847.	4.2	31
23	Robust Time-Varying Synthesis Load Modeling in Distribution Networks Considering Voltage Disturbances. IEEE Transactions on Power Systems, 2019, 34, 4438-4450.	6.5	30
24	A Methodology for Quantifying Reliability Benefits From Improved Solar Power Forecasting in Multi-Timescale Power System Operations. IEEE Transactions on Smart Grid, 2018, 9, 6897-6908.	9.0	29
25	An Investigation of Coordinated Attack on Load Frequency Control. IEEE Access, 2018, 6, 30414-30423.	4.2	28
26	Statistical scenarios forecasting method for wind power ramp events using modified neural networks. Journal of Modern Power Systems and Clean Energy, 2015, 3, 371-380.	5.4	26
27	Generalized Graph Laplacian Based Anomaly Detection for Spatiotemporal MicroPMU Data. IEEE Transactions on Power Systems, 2019, 34, 3960-3963.	6.5	19
28	Characterizing forecastability of wind sites in the United States. Renewable Energy, 2019, 133, 1352-1365.	8.9	18
29	An optimized swinging door algorithm for wind power ramp event detection. , 2015, , .		17
30	Comprehensive Reactive Power Support of DFIG Adapted to Different Depth of Voltage Sags. Energies, 2017, 10, 808.	3.1	17
31	A Chance-Constrained Economic Dispatch Model in Wind-Thermal-Energy Storage System. Energies, 2017, 10, 326.	3.1	17
32	Fast Solving Method Based on Linearized Equations of Branch Power Flow for Coordinated Charging of EVs (EVCC). IEEE Transactions on Vehicular Technology, 2019, 68, 4404-4418.	6.3	16
33	Data-Driven Joint Voltage Stability Assessment Considering Load Uncertainty: A Variational Bayes Inference Integrated With Multi-CNNs. IEEE Transactions on Power Systems, 2022, 37, 1904-1915.	6.5	15
34	Economic dispatch of micro-grid based on improved particle-swarm optimization algorithm. , 2016, , .		12
35	Short-term global horizontal irradiance forecasting based on sky imaging and pattern recognition. , 2017, , .		12
36	Optimal capacity planning of combined renewable energy source-pumped storage and seawater desalination systems. Global Energy Interconnection, 2019, 2, 310-317.	2.3	12

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37	Two Novel Load-Balancing Platforms Using Common DC Buses. IEEE Transactions on Sustainable Energy, 2018, 9, 1099-1107.	8.8	10
38	Power Grid Reliability Evaluation Considering Wind Farm Cyber Security and Ramping Events. Applied Sciences (Switzerland), 2019, 9, 3003.	2.5	10
39	Privacy-Preserving Baseline Load Reconstruction for Residential Demand Response Considering Distributed Energy Resources. IEEE Transactions on Industrial Informatics, 2022, 18, 3541-3550.	11.3	10
40	Solar Power Ramp Events Detection Using an Optimized Swinging Door Algorithm. , 2015, , .		9
41	Wind power ramping product for increasing power system flexibility. , 2016, , .		9
42	Energy-supported cascading failure model on interdependent networks considering control nodes. Physica A: Statistical Mechanics and Its Applications, 2019, 522, 195-204.	2.6	9
43	Joint Probability Density Prediction for Multiperiod Thermal Ratings of Overhead Conductors. IEEE Transactions on Power Delivery, 2021, 36, 3022-3032.	4.3	9
44	Probabilistic wind power ramp forecasting based on a scenario generation method. , 2017, , .		8
45	Advanced Control of DFIG to Enhance the Transient Voltage Support Capability. Journal of Energy Engineering - ASCE, 2018, 144, .	1.9	8
46	Parameters Identification of Equivalent Model of Permanent Magnet Synchronous Generator (PMSG) Wind Farm Based on Analysis of Trajectory Sensitivity. Energies, 2020, 13, 4607.	3.1	8
47	Stability Assessment of Secondary Frequency Control System With Dynamic False Data Injection Attacks. IEEE Transactions on Industrial Informatics, 2022, 18, 3224-3234.	11.3	8
48	Smart Charging of EVs in Residential Distribution Systems Using the Extended Iterative Method. Energies, 2016, 9, 985.	3.1	7
49	Surrogate Model-Based Energy-Efficient Scheduling for LPWA-Based Environmental Monitoring Systems. IEEE Access, 2018, 6, 59940-59948.	4.2	7
50	Dynamic game-based defensive primary frequency control system considering intelligent attackers. Reliability Engineering and System Safety, 2021, 216, 107966.	8.9	7
51	Primal dual interior point dynamic programming for coordinated charging of electric vehicles. Journal of Modern Power Systems and Clean Energy, 2017, 5, 1004-1015.	5.4	6
52	Total Supply Capacity of Electric-Gas Combined System Considering Distributed Renewable Generation. Journal of Energy Engineering - ASCE, 2018, 144, 04018018.	1.9	4
53	A truncated Gaussian mixture model for distributions of wind power ramping features. , 2017, , .		3
54	Short term power forecasting of a wind farm based on atomic sparse decomposition theory. , 2012, , .		2

#	Article	IF	Citations
55	Multi-Period Fast Robust Optimization for Partial Distributed Generators (DGs) Providing Ancillary Services. Energies, 2021, 14, 4911.	3.1	1
56	Application and Analysis of New Single Step Beat Control Based on Grey Forecasting and Control Theory in Active Power Filter. , 2012, , .		0