

Mingjian Cui

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,943
citations

218677

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docs citations

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times ranked

1790
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	Joint Probability Density Prediction for Multiperiod Thermal Ratings of Overhead Conductors. IEEE Transactions on Power Delivery, 2021, 36, 3022-3032.	4.3	9
6	Model-Free Emergency Frequency Control Based on Reinforcement Learning. IEEE Transactions on Industrial Informatics, 2021, 17, 2336-2346.	11.3	72
7	Online Optimization for Networked Distributed Energy Resources With Time-Coupling Constraints. IEEE Transactions on Smart Grid, 2021, 12, 251-267.	9.0	49
8	Multi-Period Fast Robust Optimization for Partial Distributed Generators (DGs) Providing Ancillary Services. Energies, 2021, 14, 4911.	3.1	1
9	Dynamic game-based defensive primary frequency control system considering intelligent attackers. Reliability Engineering and System Safety, 2021, 216, 107966.	8.9	7
10	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
11	Load altering attack-tolerant defense strategy for load frequency control system. Applied Energy, 2020, 280, 116015.	10.1	46
12	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
13	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
14	Flexible Machine Learning-Based Cyberattack Detection Using Spatiotemporal Patterns for Distribution Systems. IEEE Transactions on Smart Grid, 2020, 11, 1805-1808.	9.0	48
15	A Copula-Based Conditional Probabilistic Forecast Model for Wind Power Ramps. IEEE Transactions on Smart Grid, 2019, 10, 3870-3882.	9.0	53
16	A Novel Event Detection Method Using PMU Data With High Precision. IEEE Transactions on Power Systems, 2019, 34, 454-466.	6.5	66
17	Power Grid Reliability Evaluation Considering Wind Farm Cyber Security and Ramping Events. Applied Sciences (Switzerland), 2019, 9, 3003.	2.5	10
18	Generalized Graph Laplacian Based Anomaly Detection for Spatiotemporal MicroPMU Data. IEEE Transactions on Power Systems, 2019, 34, 3960-3963.	6.5	19

#	ARTICLE	IF	CITATIONS
19	Robust Time-Varying Synthesis Load Modeling in Distribution Networks Considering Voltage Disturbances. IEEE Transactions on Power Systems, 2019, 34, 4438-4450.	6.5	30
20	Deep Learning-Based Time-Varying Parameter Identification for System-Wide Load Modeling. IEEE Transactions on Smart Grid, 2019, 10, 6102-6114.	9.0	69
21	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
22	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
23	Optimal capacity planning of combined renewable energy source-pumped storage and seawater desalination systems. Global Energy Interconnection, 2019, 2, 310-317.	2.3	12
24	Characterizing forecastability of wind sites in the United States. Renewable Energy, 2019, 133, 1352-1365.	8.9	18
25	Unsupervised Clustering-Based Short-Term Solar Forecasting. IEEE Transactions on Sustainable Energy, 2019, 10, 2174-2185.	8.8	69
26	Multilevel Programming-Based Coordinated Cyber Physical Attacks and Countermeasures in Smart Grid. IEEE Access, 2019, 7, 9836-9847.	4.2	31
27	Machine Learning-Based Anomaly Detection for Load Forecasting Under Cyberattacks. IEEE Transactions on Smart Grid, 2019, 10, 5724-5734.	9.0	104
28	A Data-Driven Methodology for Probabilistic Wind Power Ramp Forecasting. IEEE Transactions on Smart Grid, 2019, 10, 1326-1338.	9.0	68
29	Advanced Control of DFIG to Enhance the Transient Voltage Support Capability. Journal of Energy Engineering - ASCE, 2018, 144, .	1.9	8
30	Total Supply Capacity of Electric-Gas Combined System Considering Distributed Renewable Generation. Journal of Energy Engineering - ASCE, 2018, 144, 04018018.	1.9	4
31	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
32	Statistical Representation of Wind Power Ramps Using a Generalized Gaussian Mixture Model. IEEE Transactions on Sustainable Energy, 2018, 9, 261-272.	8.8	45
33	Two Novel Load-Balancing Platforms Using Common DC Buses. IEEE Transactions on Sustainable Energy, 2018, 9, 1099-1107.	8.8	10
34	Surrogate Model-Based Energy-Efficient Scheduling for LPWA-Based Environmental Monitoring Systems. IEEE Access, 2018, 6, 59940-59948.	4.2	7
35	Estimating ramping requirements with solar-friendly flexible ramping product in multi-timescale power system operations. Applied Energy, 2018, 225, 27-41.	10.1	45
36	An Investigation of Coordinated Attack on Load Frequency Control. IEEE Access, 2018, 6, 30414-30423.	4.2	28

#	ARTICLE	IF	CITATIONS
37	A data-driven multi-model methodology with deep feature selection for short-term wind forecasting. Applied Energy, 2017, 190, 1245-1257.	10.1	253
38	Ramp forecasting performance from improved short-term wind power forecasting over multiple spatial and temporal scales. Energy, 2017, 122, 528-541.	8.8	61
39	Characterizing and analyzing ramping events in wind power, solar power, load, and netload. Renewable Energy, 2017, 111, 227-244.	8.9	61
40	Wind-Friendly Flexible Ramping Product Design in Multi-Timescale Power System Operations. IEEE Transactions on Sustainable Energy, 2017, 8, 1064-1075.	8.8	69
41	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
42	Short-term global horizontal irradiance forecasting based on sky imaging and pattern recognition. , 2017, , .		12
43	Probabilistic wind power ramp forecasting based on a scenario generation method. , 2017, , .		8
44	Comprehensive Reactive Power Support of DFIG Adapted to Different Depth of Voltage Sags. Energies, 2017, 10, 808.	3.1	17
45	A truncated Gaussian mixture model for distributions of wind power ramping features. , 2017, , .		3
46	A Chance-Constrained Economic Dispatch Model in Wind-Thermal-Energy Storage System. Energies, 2017, 10, 326.	3.1	17
47	Smart Charging of EVs in Residential Distribution Systems Using the Extended Iterative Method. Energies, 2016, 9, 985.	3.1	7
48	Wind power ramping product for increasing power system flexibility. , 2016, , .		9
49	Economic dispatch of micro-grid based on improved particle-swarm optimization algorithm. , 2016, , .		12
50	An Optimized Swinging Door Algorithm for Identifying Wind Ramping Events. IEEE Transactions on Sustainable Energy, 2016, 7, 150-162.	8.8	80
51	Solar Power Ramp Events Detection Using an Optimized Swinging Door Algorithm. , 2015, , .		9
52	An optimized swinging door algorithm for wind power ramp event detection. , 2015, , .		17
53	Wind Power Ramp Event Forecasting Using a Stochastic Scenario Generation Method. IEEE Transactions on Sustainable Energy, 2015, 6, 422-433.	8.8	134
54	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

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55	Short term power forecasting of a wind farm based on atomic sparse decomposition theory. , 2012, , .		2
56	Application and Analysis of New Single Step Beat Control Based on Grey Forecasting and Control Theory in Active Power Filter. , 2012, , .		0