Cong Feng

List of Publications by Year
in descending order

32 papers	1,114 citations	471509 17 h-index	839539 18 g-index
32 all docs	32 docs citations	32 times ranked	939 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	Reinforced Deterministic and Probabilistic Load Forecasting via Q -Learning Dynamic Model Selection. IEEE Transactions on Smart Grid, 2020, 11, 1377-1386.	9.0	87
3	SolarNet: A sky image-based deep convolutional neural network for intra-hour solar forecasting. Solar Energy, 2020, 204, 71-78.	6.1	71
4	Conditional aggregated probabilistic wind power forecasting based on spatio-temporal correlation. Applied Energy, 2019, 256, 113842.	10.1	70
5	Unsupervised Clustering-Based Short-Term Solar Forecasting. IEEE Transactions on Sustainable Energy, 2019, 10, 2174-2185.	8.8	69
6	Probabilistic solar power forecasting based on weather scenario generation. Applied Energy, 2020, 266, 114823.	10.1	64
7	Characterizing and analyzing ramping events in wind power, solar power, load, and netload. Renewable Energy, 2017, 111, 227-244.	8.9	61
8	Deep Learning-Based Real-Time Building Occupancy Detection Using AMI Data. IEEE Transactions on Smart Grid, 2020, 11, 4490-4501.	9.0	59
9	Multi-distribution ensemble probabilistic wind power forecasting. Renewable Energy, 2020, 148, 135-149.	8.9	46
10	Statistical Representation of Wind Power Ramps Using a Generalized Gaussian Mixture Model. IEEE Transactions on Sustainable Energy, 2018, 9, 261-272.	8.8	45
11	A two-step short-term probabilistic wind forecasting methodology based on predictive distribution optimization. Applied Energy, 2019, 238, 1497-1505.	10.1	40
12	Convolutional neural networks for intra-hour solar forecasting based on sky image sequences. Applied Energy, 2022, 310, 118438.	10.1	39
13	A taxonomical review on recent artificial intelligence applications to PV integration into power grids. International Journal of Electrical Power and Energy Systems, 2021, 132, 107176.	5.5	31
14	OpenSolar: Promoting the openness and accessibility of diverse public solar datasets. Solar Energy, 2019, 188, 1369-1379.	6.1	27
15	Hourly-Similarity Based Solar Forecasting Using Multi-Model Machine Learning Blending. , 2018, , .		23
16	A review of behind-the-meter solar forecasting. Renewable and Sustainable Energy Reviews, 2022, 160, 112224.	16.4	21
17	Characterizing forecastability of wind sites in the United States. Renewable Energy, 2019, 133, 1352-1365.	8.9	18
18	Assessment of aggregation strategies for machine-learning based short-term load forecasting. Electric Power Systems Research, 2020, 184, 106304.	3.6	18

#	Article	IF	Citations
19	Short-term global horizontal irradiance forecasting based on sky imaging and pattern recognition. , 2017, , .		12
20	Reinforcement Learning based Dynamic Model Selection for Short-Term Load Forecasting. , 2019, , .		12
21	Sizing ramping reserve using probabilistic solar forecasts: A data-driven method. Applied Energy, 2022, 313, 118812.	10.1	11
22	Factoring Behind-the-Meter Solar into Load Forecasting: Case Studies under Extreme Weather. , 2020, , .		10
23	Characterizing Time Series Data Diversity for Wind Forecasting. , 2017, , .		7
24	Probabilistic Short-term Wind Forecasting Based on Pinball Loss Optimization. , 2018, , .		5
25	SolarNet: A Deep Convolutional Neural Network for Solar Forecasting via Sky Images. , 2020, , .		4
26	A truncated Gaussian mixture model for distributions of wind power ramping features. , 2017, , .		3
27	Wind Power and Ramp Forecasting for Grid Integration. , 2018, , 299-315.		3
28	Aggregated Probabilistic Wind Power Forecasting Based on Spatio-Temporal Correlation. , 2019, , .		3
29	Short-Term Load Forecasting With Different Aggregation Strategies. , 2018, , .		1
30	Advanced machine learning applications to modern power systems. , 2021, , 209-257.		1
31	A Design Method of Rain Test Device Based on Water Drop Motion Simulation. Advanced Materials Research, 0, 871, 363-368.	0.3	0
32	Multi-Timescale Simulation of Non-Spinning Reserve in Wholesale Electricity Markets. , 2021, , .		0