Jie Yan

List of Publications by Year
in descending order

41	1,636	394286 19	395590 33
papers	citations	h-index	g-index

51	51	51	1298
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Short-term forecasting and uncertainty analysis of wind turbine power based on long short-term memory network and Gaussian mixture model. Applied Energy, 2019, 241, 229-244.	5.1	228
2	Reviews on uncertainty analysis of wind power forecasting. Renewable and Sustainable Energy Reviews, 2015, 52, 1322-1330.	8.2	163
3	Sequence transfer correction algorithm for numerical weather prediction wind speed and its application in a wind power forecasting system. Applied Energy, 2019, 237, 1-10.	5.1	134
4	Forecasting the High Penetration of Wind Power on Multiple Scales Using Multi-to-Multi Mapping. IEEE Transactions on Power Systems, 2018, 33, 3276-3284.	4.6	126
5	Daily electric vehicle charging load profiles considering demographics of vehicle users. Applied Energy, 2020, 274, 115063.	5.1	102
6	Improved Deep Mixture Density Network for Regional Wind Power Probabilistic Forecasting. IEEE Transactions on Power Systems, 2020, 35, 2549-2560.	4.6	88
7	Real-time energy management for a smart-community microgrid with battery swapping and renewables. Applied Energy, 2019, 238, 180-194.	5.1	85
8	Quantitative evaluation method for the complementarity of windâ€“solarâ€“hydro power and optimization of windâ€“solar ratio. Applied Energy, 2019, 236, 973-984.	5.1	85
9	A Hybrid Forecasting Method for Wind Power Ramp Based on Orthogonal Test and Support Vector Machine (OT-SVM). IEEE Transactions on Sustainable Energy, 2017, 8, 451-457.	5.9	74
10	Wind power grouping forecasts and its uncertainty analysis using optimized relevance vector machine. Renewable and Sustainable Energy Reviews, 2013, 27, 613-621.	8.2	73
11	Uncertainty estimation for wind energy conversion by probabilistic wind turbine power curve modelling. Applied Energy, 2019, 239, 1356-1370.	5.1	72
12	Multi-Source and Temporal Attention Network for Probabilistic Wind Power Prediction. IEEE Transactions on Sustainable Energy, 2021, 12, 2205-2218.	5.9	49
13	Uncovering wind power forecasting uncertainty sources and their propagation through the whole modelling chain. Renewable and Sustainable Energy Reviews, 2022, 165, 112519.	8.2	45
14	Novel Cost Model for Balancing Wind Power Forecasting Uncertainty. IEEE Transactions on Energy Conversion, 2017, 32, 318-329.	3.7	44
15	EV charging load simulation and forecasting considering traffic jam and weather to support the integration of renewables and EVs. Renewable Energy, 2020, 159, 623-641.	4.3	40
16	Reviews on characteristic of renewables: Evaluating the variability and complementarity. International Transactions on Electrical Energy Systems, 2020, 30, e12281.	1.2	27
17	Quantile based probabilistic wind turbine power curve model. Applied Energy, 2021, 296, 116913.	5.1	24
18	Multi-stage transport and logistic optimization for the mobilized and distributed battery. Energy Conversion and Management, 2019, 196, 261-276.	4.4	21

#	Article	IF	Citations
19	Wind turbine power curve modeling based on interval extreme probability density for the integration of renewable energies and electric vehicles. Renewable Energy, 2020, 157, 190-203.	4.3	20
20	Optimal power dispatch in wind farm based on reduced blade damage and generator losses. Renewable and Sustainable Energy Reviews, 2015, 44, 64-77.	8.2	16
21	Pricing Information in Smart Grids: A Quality-Based Data Valuation Paradigm. IEEE Transactions on Smart Grid, 2022, 13, 3735-3747.	6.2	16
22	Neural Network Ensemble Method Study for Wind Power Prediction. , 2011, , .		14
23	Adaptabilities of three mainstream short-term wind power forecasting methods. Journal of Renewable and Sustainable Energy, 2015, 7, 053101.	0.8	14
24	An optimized short-term wind power interval prediction method considering NWP accuracy. Science Bulletin, 2014, 59, 1167-1175.	1.7	11
25	Quantitative method for evaluating detailed volatility of wind power at multiple temporal-spatial scales. Global Energy Interconnection, 2019, 2, 318-327.	1.4	9
26	Design and optimal siting of regional heat-gas-renewable energy system based on building clusters. Energy Conversion and Management, 2020, 217, 112963.	4.4	9
27	Unit commitment in wind farms based on a glowworm metaphor algorithm. Electric Power Systems Research, 2015, 129, 94-104.	2.1	7
28	Uncertain accessibility estimation method for offshore wind farm based on multiâ€step probabilistic wave forecasting. IET Renewable Power Generation, 2021, 15, 2944-2955.	1.7	7
29	Uncertainty Analysis of Wind Power Prediction Based on Quantile Regression. , 2012, , .		6
30	A data sample division method for wind power prediction based on China's 24 solar terms. International Transactions on Electrical Energy Systems, 2020, 30, e12342.	1.2	5
31	Switching strategy of the low wind speed wind turbine based on real-time wind process prediction for the integration of wind power and EVs. Renewable Energy, 2020, 157, 256-272.	4.3	5
32	Multi-step-ahead Method for Wind Speed Prediction Correction Based on Numerical Weather Prediction and Historical Measurement Data. Journal of Physics: Conference Series, 2017, 926, 012007.	0.3	4
33	Cournot Game Based Multi-Supplier Local Energy Trading. Energy Procedia, 2019, 158, 3528-3533.	1.8	4
34	An Integration of Enhanced Wind Power Interval Forecasting into Reactive Power Dispatching. , 2013, , .		2
35	Impact analysis of electricity supply unreliability to interdependent economic sectors by an economic-technical approach. Renewable Energy, 2018, 122, 108-117.	4.3	2
36	A new paradigm of maximizing the renewable penetration by integrating battery transportation and logistics: preliminary feasibility study. , 2018, , .		2

#	Article	IF	Citations
37	A novel two-dimensional entrainment wake model for wind turbine wakes. International Journal of Green Energy, 0, , 1-14.	2.1	1
38	A novel entrainment wind farm flow model for power prediction. International Journal of Green Energy, 0, , 1-16.	2.1	1
39	Effects of the Parameter C4Îµ in the Extended k-Îµ Turbulence Model for Wind Farm Wake Simulation Using an Actuator Disc. Journal of Marine Science and Engineering, 2022, 10, 544.	1.2	1
40	Research on the Influence of Development Scenarios on the OLCOE of Wind Power: A Case Study of China. Mathematical Problems in Engineering, 2020, 2020, 1-14.	0.6	0
41	Multidimensional metrics for complementarity. , 2022, , 55-80.		0