

Jie Yan

List of Publications by Year in descending order

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41
papers

1,636
citations

394286

19
h-index

395590

33
g-index

51
all docs

51
docs citations

51
times ranked

1298
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of the Parameter $C_4\mu$ in the Extended $k\text{-}\mu$ Turbulence Model for Wind Farm Wake Simulation Using an Actuator Disc. Journal of Marine Science and Engineering, 2022, 10, 544.	1.2	1
2	Pricing Information in Smart Grids: A Quality-Based Data Valuation Paradigm. IEEE Transactions on Smart Grid, 2022, 13, 3735-3747.	6.2	16
3	Multidimensional metrics for complementarity. , 2022, , 55-80.		0
4	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
5	Uncertain accessibility estimation method for offshore wind farm based on multi-step probabilistic wave forecasting. IET Renewable Power Generation, 2021, 15, 2944-2955.	1.7	7
6	Quantile based probabilistic wind turbine power curve model. Applied Energy, 2021, 296, 116913.	5.1	24
7	Multi-Source and Temporal Attention Network for Probabilistic Wind Power Prediction. IEEE Transactions on Sustainable Energy, 2021, 12, 2205-2218.	5.9	49
8	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
9	Daily electric vehicle charging load profiles considering demographics of vehicle users. Applied Energy, 2020, 274, 115063.	5.1	102
10	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
11	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
12	Improved Deep Mixture Density Network for Regional Wind Power Probabilistic Forecasting. IEEE Transactions on Power Systems, 2020, 35, 2549-2560.	4.6	88
13	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
14	Reviews on characteristic of renewables: Evaluating the variability and complementarity. International Transactions on Electrical Energy Systems, 2020, 30, e12281.	1.2	27
15	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
16	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
17	Cournot Game Based Multi-Supplier Local Energy Trading. Energy Procedia, 2019, 158, 3528-3533.	1.8	4
18	Multi-stage transport and logistic optimization for the mobilized and distributed battery. Energy Conversion and Management, 2019, 196, 261-276.	4.4	21

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19	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
20	Real-time energy management for a smart-community microgrid with battery swapping and renewables. Applied Energy, 2019, 238, 180-194.	5.1	85
21	Uncertainty estimation for wind energy conversion by probabilistic wind turbine power curve modelling. Applied Energy, 2019, 239, 1356-1370.	5.1	72
22	Quantitative method for evaluating detailed volatility of wind power at multiple temporal-spatial scales. Global Energy Interconnection, 2019, 2, 318-327.	1.4	9
23	Quantitative evaluation method for the complementarity of wind-solar-hydro power and optimization of wind-solar ratio. Applied Energy, 2019, 236, 973-984.	5.1	85
24	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
25	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
26	Impact analysis of electricity supply unreliability to interdependent economic sectors by an economic-technical approach. Renewable Energy, 2018, 122, 108-117.	4.3	2
27	A new paradigm of maximizing the renewable penetration by integrating battery transportation and logistics: preliminary feasibility study. , 2018, , .		2
28	Novel Cost Model for Balancing Wind Power Forecasting Uncertainty. IEEE Transactions on Energy Conversion, 2017, 32, 318-329.	3.7	44
29	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
30	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
31	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
32	Adaptabilities of three mainstream short-term wind power forecasting methods. Journal of Renewable and Sustainable Energy, 2015, 7, 053101.	0.8	14
33	Unit commitment in wind farms based on a glowworm metaphor algorithm. Electric Power Systems Research, 2015, 129, 94-104.	2.1	7
34	Reviews on uncertainty analysis of wind power forecasting. Renewable and Sustainable Energy Reviews, 2015, 52, 1322-1330.	8.2	163
35	An optimized short-term wind power interval prediction method considering NWP accuracy. Science Bulletin, 2014, 59, 1167-1175.	1.7	11
36	An Integration of Enhanced Wind Power Interval Forecasting into Reactive Power Dispatching. , 2013, , .		2

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37	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
38	Uncertainty Analysis of Wind Power Prediction Based on Quantile Regression. , 2012, , .		6
39	Neural Network Ensemble Method Study for Wind Power Prediction. , 2011, , .		14
40	A novel two-dimensional entrainment wake model for wind turbine wakes. International Journal of Green Energy, 0, , 1-14.	2.1	1
41	A novel entrainment wind farm flow model for power prediction. International Journal of Green Energy, 0, , 1-16.	2.1	1