

Tong Niu

List of Publications by Year in descending order

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29
papers

2,081
citations

304368

22
h-index

476904

29
g-index

29
all docs

29
docs citations

29
times ranked

1410
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel hybrid system based on a new proposed algorithm "Multi-Objective Whale Optimization Algorithm for wind speed forecasting. Applied Energy, 2017, 208, 344-360.	5.1	244
2	A novel hybrid model for short-term wind power forecasting. Applied Soft Computing Journal, 2019, 80, 93-106.	4.1	197
3	A novel hybrid forecasting system of wind speed based on a newly developed multi-objective sine cosine algorithm. Energy Conversion and Management, 2018, 163, 134-150.	4.4	179
4	An improved grey model optimized by multi-objective ant lion optimization algorithm for annual electricity consumption forecasting. Applied Soft Computing Journal, 2018, 72, 321-337.	4.1	133
5	Multi-step ahead forecasting in electrical power system using a hybrid forecasting system. Renewable Energy, 2018, 122, 533-550.	4.3	125
6	A hybrid forecasting system based on a dual decomposition strategy and multi-objective optimization for electricity price forecasting. Applied Energy, 2019, 235, 1205-1225.	5.1	125
7	Hybrid wind energy forecasting and analysis system based on divide and conquer scheme: A case study in China. Journal of Cleaner Production, 2019, 222, 942-959.	4.6	111
8	Multi-step-ahead wind speed forecasting based on optimal feature selection and a modified bat algorithm with the cognition strategy. Renewable Energy, 2018, 118, 213-229.	4.3	104
9	A novel hybrid model based on multi-objective Harris hawks optimization algorithm for daily PM2.5 and PM10 forecasting. Applied Soft Computing Journal, 2020, 96, 106620.	4.1	104
10	An innovative hybrid model based on outlier detection and correction algorithm and heuristic intelligent optimization algorithm for daily air quality index forecasting. Journal of Environmental Management, 2020, 255, 109855.	3.8	85
11	Developing a deep learning framework with two-stage feature selection for multivariate financial time series forecasting. Expert Systems With Applications, 2020, 148, 113237.	4.4	83
12	An analysis-forecast system for uncertainty modeling of wind speed: A case study of large-scale wind farms. Applied Energy, 2018, 211, 492-512.	5.1	76
13	A Novel Framework of Reservoir Computing for Deterministic and Probabilistic Wind Power Forecasting. IEEE Transactions on Sustainable Energy, 2020, 11, 337-349.	5.9	74
14	A novel system for multi-step electricity price forecasting for electricity market management. Applied Soft Computing Journal, 2020, 88, 106029.	4.1	67
15	Container throughput forecasting using a novel hybrid learning method with error correction strategy. Knowledge-Based Systems, 2019, 182, 104853.	4.0	48
16	Outlier-robust hybrid electricity price forecasting model for electricity market management. Journal of Cleaner Production, 2020, 249, 119318.	4.6	45
17	Uncertainty modeling for chaotic time series based on optimal multi-input multi-output architecture: Application to offshore wind speed. Energy Conversion and Management, 2018, 156, 597-617.	4.4	38
18	Developing a wind power forecasting system based on deep learning with attention mechanism. Energy, 2022, 257, 124750.	4.5	38

#	ARTICLE	IF	CITATIONS
19	Research and Application of an Air Quality Early Warning System Based on a Modified Least Squares Support Vector Machine and a Cloud Model. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 249.	1.2	34
20	Ensemble probabilistic prediction approach for modeling uncertainty in crude oil price. <i>Applied Soft Computing Journal</i> , 2020, 95, 106509.	4.1	31
21	A Novel System for Wind Speed Forecasting Based on Multi-Objective Optimization and Echo State Network. <i>Sustainability</i> , 2019, 11, 526.	1.6	29
22	Optimal emission management of photovoltaic and wind generation based energy hub system using compromise programming. <i>Journal of Cleaner Production</i> , 2021, 281, 124333.	4.6	26
23	Point and interval forecasting for metal prices based on variational mode decomposition and an optimized outlier-robust extreme learning machine. <i>Resources Policy</i> , 2020, 69, 101881.	4.2	25
24	A novel hybrid fine particulate matter (PM _{2.5}) forecasting and its further application system: Case studies in China. <i>Journal of Forecasting</i> , 2022, 41, 64-85.	1.6	15
25	A Learning System Integrating Temporal Convolution and Deep Learning for Predictive Modeling of Crude Oil Price. <i>IEEE Transactions on Industrial Informatics</i> , 2021, 17, 4602-4612.	7.2	14
26	Developing an online air quality warning system based on streaming data for dynamic environmental management. <i>Journal of Cleaner Production</i> , 2020, 273, 122953.	4.6	10
27	Environmental Efficiency Evaluation of China's Power Industry Based on the Two-Stage Network Slack-Based Measure Model. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 12650.	1.2	8
28	PM _{2.5} prediction and related health effects and economic cost assessments in 2020 and 2021: Case studies in Jing-Jin-Ji, China. <i>Knowledge-Based Systems</i> , 2021, 233, 107487.	4.0	7
29	Uncertainty Quantification Analysis of Wind Power: A Data-Driven Monitoring-Forecasting Framework. <i>IEEE Access</i> , 2021, 9, 84403-84416.	2.6	6