

# Tao Hong

## List of Publications by Year in descending order

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Version: 2024-02-01

60  
papers

5,454  
citations

182225

30  
h-index

223390

49  
g-index

63  
all docs

63  
docs citations

63  
times ranked

3968  
citing authors

#	ARTICLE	IF	CITATIONS
1	A robust support vector regression model for electric load forecasting. <i>International Journal of Forecasting</i> , 2023, 39, 1005-1020.	3.9	16
2	Data Integrity Attacks Against Outage Management Systems. <i>IEEE Transactions on Engineering Management</i> , 2022, 69, 765-772.	2.4	5
3	A historical weather forecast dataset from the European Centre for Medium-Range Weather Forecasts (ECMWF) for energy forecasting. <i>Solar Energy</i> , 2022, 232, 263-274.	2.9	39
4	Guest Editorial: Special Section on Data Analytics for Energy, Water, and Environment. <i>IEEE Transactions on Engineering Management</i> , 2022, 69, 587-588.	2.4	0
5	A review of solar forecasting, its dependence on atmospheric sciences and implications for grid integration: Towards carbon neutrality. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 161, 112348.	8.2	80
6	Artificial Intelligence for Load Forecasting: History, Illusions, and Opportunities. <i>IEEE Power and Energy Magazine</i> , 2022, 20, 14-23.	1.6	12
7	Forecasting for social good. <i>International Journal of Forecasting</i> , 2021, , .	3.9	3
8	Forecasting with high frequency data: M4 competition and beyond. <i>International Journal of Forecasting</i> , 2020, 36, 191-194.	3.9	3
9	Multivariate Quantile Regression for Short-Term Probabilistic Load Forecasting. <i>IEEE Transactions on Power Systems</i> , 2020, 35, 628-638.	4.6	43
10	A copula-based Bayesian method for probabilistic solar power forecasting. <i>Solar Energy</i> , 2020, 196, 336-345.	2.9	52
11	Temperature anomaly detection for electric load forecasting. <i>International Journal of Forecasting</i> , 2020, 36, 324-333.	3.9	22
12	Big data analytics for future electricity grids. <i>Electric Power Systems Research</i> , 2020, 189, 106788.	2.1	54
13	Energy Forecasting: A Review and Outlook. <i>IEEE Open Access Journal of Power and Energy</i> , 2020, 7, 376-388.	2.5	268
14	Verification of deterministic solar forecasts. <i>Solar Energy</i> , 2020, 210, 20-37.	2.9	142
15	A Multivariate Approach to Probabilistic Industrial Load Forecasting. <i>Electric Power Systems Research</i> , 2020, 187, 106430.	2.1	17
16	Combining Probabilistic Load Forecasts. <i>IEEE Transactions on Smart Grid</i> , 2019, 10, 3664-3674.	6.2	139
17	Descriptive Analytics-Based Anomaly Detection for Cybersecure Load Forecasting. <i>IEEE Transactions on Smart Grid</i> , 2019, 10, 5964-5974.	6.2	23
18	Combining Weather Stations for Electric Load Forecasting. <i>Energies</i> , 2019, 12, 1510.	1.6	30

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19	Global energy forecasting competition 2017: Hierarchical probabilistic load forecasting. International Journal of Forecasting, 2019, 35, 1389-1399.	3.9	114
20	Robust Regression Models for Load Forecasting. IEEE Transactions on Smart Grid, 2019, 10, 5397-5404.	6.2	38
21	Short-term industrial reactive power forecasting. International Journal of Electrical Power and Energy Systems, 2019, 107, 177-185.	3.3	28
22	Review of Smart Meter Data Analytics: Applications, Methodologies, and Challenges. IEEE Transactions on Smart Grid, 2019, 10, 3125-3148.	6.2	746
23	Weather Data for Energy Analytics: From Modeling Outages and Reliability Indices to Simulating Distributed Photovoltaic Fleets. IEEE Power and Energy Magazine, 2018, 16, 43-53.	1.6	17
24	Real-time anomaly detection for very short-term load forecasting. Journal of Modern Power Systems and Clean Energy, 2018, 6, 235-243.	3.3	64
25	Training Energy Data Scientists : Universities and Industry Need to Work Together to Bridge the Talent Gap. IEEE Power and Energy Magazine, 2018, 16, 66-73.	1.6	16
26	Load forecasting using 24 solar terms. Journal of Modern Power Systems and Clean Energy, 2018, 6, 208-214.	3.3	18
27	Relative Humidity for Load Forecasting Models. IEEE Transactions on Smart Grid, 2018, 9, 191-198.	6.2	71
28	Variable Selection Methods for Probabilistic Load Forecasting: Empirical Evidence from Seven States of the United States. IEEE Transactions on Smart Grid, 2018, 9, 6039-6046.	6.2	39
29	Benchmarking robustness of load forecasting models under data integrity attacks. International Journal of Forecasting, 2018, 34, 89-104.	3.9	97
30	From club convergence of per capita industrial pollutant emissions to industrial transfer effects: An empirical study across 285 cities in China. Energy Policy, 2018, 121, 300-313.	4.2	94
31	A semi-heterogeneous approach to combining crude oil price forecasts. Information Sciences, 2018, 460-461, 279-292.	4.0	52
32	On Normality Assumption in Residual Simulation for Probabilistic Load Forecasting. IEEE Transactions on Smart Grid, 2017, 8, 1046-1053.	6.2	70
33	Short-term industrial load forecasting: A case study in an Italian factory. , 2017, , .		21
34	Wind Speed for Load Forecasting Models. Sustainability, 2017, 9, 795.	1.6	22
35	Improving Gas Load Forecasts With Big Data. Natural Gas & Electricity, 2016, 32, 25-30.	0.2	1
36	Temperature Scenario Generation for Probabilistic Load Forecasting. IEEE Transactions on Smart Grid, 2016, , 1-1.	6.2	60

#	ARTICLE	IF	CITATIONS
37	From high-resolution data to high-resolution probabilistic load forecasts. , 2016, , .		3
38	Comparing two model selection frameworks for probabilistic load forecasting. , 2016, , .		3
39	Guest Editorial Big Data Analytics for Grid Modernization. IEEE Transactions on Smart Grid, 2016, 7, 2395-2396.	6.2	31
40	Electric load forecasting with recency effect: A big data approach. International Journal of Forecasting, 2016, 32, 585-597.	3.9	144
41	Probabilistic electric load forecasting: A tutorial review. International Journal of Forecasting, 2016, 32, 914-938.	3.9	795
42	Improving short term load forecast accuracy via combining sister forecasts. Energy, 2016, 98, 40-49.	4.5	100
43	GEFCom2014 probabilistic electric load forecasting: An integrated solution with forecast combination and residual simulation. International Journal of Forecasting, 2016, 32, 1012-1016.	3.9	67
44	Combining load forecasts from independent experts. , 2015, , .		11
45	Long-Term Retail Energy Forecasting With Consideration of Residential Customer Attrition. IEEE Transactions on Smart Grid, 2015, 6, 2245-2252.	6.2	53
46	Weather station selection for electric load forecasting. International Journal of Forecasting, 2015, 31, 286-295.	3.9	95
47	Probabilistic Load Forecasting via Quantile Regression Averaging on Sister Forecasts. IEEE Transactions on Smart Grid, 2015, , 1-1.	6.2	127
48	Long Term Probabilistic Load Forecasting and Normalization With Hourly Information. IEEE Transactions on Smart Grid, 2014, 5, 456-462.	6.2	253
49	Fuzzy interaction regression for short term load forecasting. Fuzzy Optimization and Decision Making, 2014, 13, 91-103.	3.4	78
50	Four best practices of load forecasting for electric cooperatives. , 2014, , .		3
51	Guest Editorial: Special Section on Analytics for Energy Forecasting with Applications to Smart Grid. IEEE Transactions on Smart Grid, 2014, 5, 399-401.	6.2	6
52	On the impact of demand response: Load shedding, energy conservation, and further implications to load forecasting. , 2012, , .		8
53	A Naïve multiple linear regression benchmark for short term load forecasting. , 2011, , .		74
54	Cost of temperature history data uncertainties in short term electric load forecasting. , 2010, , .		3

#	ARTICLE	IF	CITATIONS
55	Modeling and forecasting hourly electric load by multiple linear regression with interactions. , 2010, , .		55
56	Calculating line losses in smart grid: A new rule of thumb. , 2010, , .		16
57	Human-machine co-construct intelligence on horizon year load in long term spatial load forecasting. , 2009, , .		8
58	Scheduling a Life Science High-Throughput Platform under Starvation Constraints Using Timed Transition Petri Nets and Heuristic Search. , 2007, , .		2
59	Resource Allocation for a Life Science Automation Line: a Petri nets Approach. , 2007, , .		0
60	Timed Petri Nets Modelling of High-Throughput Screening Process for Fault Study. Industrial Electronics Society (IECON ), Annual Conference of IEEE, 2006, , .	0.0	2