

# Yubin Li

## List of Publications by Year in descending order

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Version: 2024-02-01

48  
papers

1,042  
citations

394421

19  
h-index

454955

30  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1071  
citing authors

#	ARTICLE	IF	CITATIONS
1	The two-way feedback mechanism between unfavorable meteorological conditions and cumulative aerosol pollution in various haze regions of China. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 3287-3306.	4.9	97
2	PM <sub>2.5</sub> Pollution Modulates Wintertime Urban Heat Island Intensity in the Beijing-Tianjin-Hebei Megalopolis, China. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL084288.	4.0	88
3	Long-Term Trends of Persistent Synoptic Circulation Events in Planetary Boundary Layer and Their Relationships With Haze Pollution in Winter Half Year Over Eastern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 10,991.	3.3	75
4	Relationship Between Fine-Particle Pollution and the Urban Heat Island in Beijing, China: Observational Evidence. <i>Boundary-Layer Meteorology</i> , 2018, 169, 93-113.	2.3	69
5	Vertical observations of the atmospheric boundary layer structure over Beijing urban area during air pollution episodes. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 6949-6967.	4.9	48
6	An urban-rural and sex differences in cancer incidence and mortality and the relationship with PM <sub>2.5</sub> exposure: An ecological study in the southeastern side of Hu line. <i>Chemosphere</i> , 2019, 216, 766-773.	8.2	47
7	Modulations of surface thermal environment and agricultural activity on intraseasonal variations of summer diurnal temperature range in the Yangtze River Delta of China. <i>Science of the Total Environment</i> , 2020, 736, 139445.	8.0	39
8	An Improved Approach for Parameterizing Surface-Layer Turbulent Transfer Coefficients in Numerical Models. <i>Boundary-Layer Meteorology</i> , 2010, 137, 153-165.	2.3	38
9	Prevalence of tornado-scale vortices in the tropical cyclone eyewall. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8307-8310.	7.1	35
10	Basin-wide responses of the South China Sea environment to Super Typhoon Mangkhut (2018). <i>Science of the Total Environment</i> , 2020, 731, 139093.	8.0	34
11	The impact of urbanization on wind speed and surface aerodynamic characteristics in Beijing during 1991-2011. <i>Meteorology and Atmospheric Physics</i> , 2018, 130, 311-324.	2.0	33
12	Tropical cyclone damages in Mainland China over 2005-2016: losses analysis and implications. <i>Environment, Development and Sustainability</i> , 2019, 21, 3077-3092.	5.0	31
13	Diurnal Evolution of the Wintertime Boundary Layer in Urban Beijing, China: Insights from Doppler Lidar and a 325-m Meteorological Tower. <i>Remote Sensing</i> , 2020, 12, 3935.	4.0	31
14	An Empirical Model for Estimating Soil Thermal Conductivity from Soil Water Content and Porosity. <i>Journal of Hydrometeorology</i> , 2016, 17, 601-613.	1.9	30
15	Synergistic Influence of Local Climate Zones and Wind Speeds on the Urban Heat Island and Heat Waves in the Megacity of Beijing, China. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	29
16	Impacts of the near-surface urban boundary layer structure on PM <sub>2.5</sub> concentrations in Beijing during winter. <i>Science of the Total Environment</i> , 2019, 669, 493-504.	8.0	28
17	Rainfall Contribution of Tropical Cyclones in the Bay of Bengal between 1998 and 2016 using TRMM Satellite Data. <i>Atmosphere</i> , 2019, 10, 699.	2.3	21
18	Tornado-scale vortices in the tropical cyclone boundary layer: numerical simulation with the WRF-LES framework. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 2477-2487.	4.9	20

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19	Features of Extreme Precipitation at Progress Station, Antarctica. <i>Journal of Climate</i> , 2018, 31, 9087-9105.	3.2	19
20	Re-evaluating the variation in trend of haze days in the urban areas of Beijing during a recent 36-year period. <i>Atmospheric Science Letters</i> , 2019, 20, e878.	1.9	19
21	High-Spatial-Resolution Population Exposure to PM <sub>2.5</sub> Pollution Based on Multi-Satellite Retrievals: A Case Study of Seasonal Variation in the Yangtze River Delta, China in 2013. <i>Remote Sensing</i> , 2019, 11, 2724.	4.0	17
22	Spatiotemporal variability in long-term population exposure to PM <sub>2.5</sub> and lung cancer mortality attributable to PM <sub>2.5</sub> across the Yangtze River Delta (YRD) region over 2010–2016: A multistage approach. <i>Chemosphere</i> , 2020, 257, 127153.	8.2	14
23	On the surface fluxes characteristics and roughness lengths at Zhongshan station, Antarctica. <i>International Journal of Digital Earth</i> , 2019, 12, 878-892.	3.9	13
24	Estimate of boundary-layer depth in Nanjing city using aerosol lidar data during 2016–2017 winter. <i>Atmospheric Environment</i> , 2019, 205, 67-77.	4.1	12
25	Connections Between Daily Surface Temperature Contrast and CO <sub>2</sub> Flux Over a Tibetan Lake: A Case Study of Ngoring Lake. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032277.	3.3	12
26	Comparison of Sensible Heat Fluxes Measured by a Large Aperture Scintillometer and Eddy Covariance System over a Heterogeneous Farmland in East China. <i>Atmosphere</i> , 2017, 8, 101.	2.3	11
27	Assessment of urban surface thermal environment using MODIS with a population-weighted method: a case study. <i>Journal of Spatial Science</i> , 2019, 64, 287-300.	1.5	11
28	Determination of Desert Soil Apparent Thermal Diffusivity Using a Conduction–Convection Algorithm. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 9569-9578.	3.3	10
29	Vertical Gradient Variations in Radiation Budget and Heat Fluxes in the Urban Boundary Layer: A Comparison Study Between Polluted and Clean Air Episodes in Beijing During Winter. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032478.	3.3	10
30	Storm-scale and Fine-scale Boundary Layer Structures of Tropical Cyclones Simulated With the WRF–LES Framework. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035511.	3.3	10
31	How Does Air–Sea Wave Interaction Affect Tropical Cyclone Intensity? An Atmosphere–Wave–Ocean Coupled Model Study Based on Super Typhoon Mangkhut (2018). <i>Earth and Space Science</i> , 2022, 9, .	2.6	10
32	Evaluation of the Regional Climate Model over the Loess Plateau of China. <i>International Journal of Climatology</i> , 2018, 38, 35-54.	3.5	8
33	Surface Energy Budget Observed for Winter Wheat in the North China Plain During a Fog–Haze Event. <i>Boundary-Layer Meteorology</i> , 2019, 170, 489-505.	2.3	7
34	Effects of Learning Rates and Optimization Algorithms on Forecasting Accuracy of Hourly Typhoon Rainfall: Experiments With Convolutional Neural Network. <i>Earth and Space Science</i> , 2022, 9, .	2.6	7
35	An Update of Non-iterative Solutions for Surface Fluxes Under Unstable Conditions. <i>Boundary-Layer Meteorology</i> , 2015, 156, 501-511.	2.3	6
36	Improvement of Drag Coefficient Calculation Under Near-Neutral Conditions in Light Winds Over land. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033472.	3.3	6

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37	Measurements of turbulence transfer in the near-surface layer over the Antarctic sea-ice surface from April through November in 2016. <i>Annals of Glaciology</i> , 2020, 61, 12-23.	1.4	6
38	Parabolic dependence of the drag coefficient on wind speed from aircraft eddy-covariance measurements over the tropical Eastern Pacific. <i>Scientific Reports</i> , 2020, 10, 1805.	3.3	6
39	Dual Effects of Synoptic Weather Patterns and Urbanization on Summer Diurnal Temperature Range in an Urban Agglomeration of East China. <i>Frontiers in Environmental Science</i> , 2021, 9, .	3.3	6
40	Diurnal and Seasonal Variations of Surface Energy and CO2 Fluxes over a Site in Western Tibetan Plateau. <i>Atmosphere</i> , 2020, 11, 260.	2.3	5
41	Extreme Rainfall Indices Prediction with Atmospheric Parameters and Ocean-Atmospheric Teleconnections Using a Random Forest Model. <i>Journal of Applied Meteorology and Climatology</i> , 2022, 61, 651-667.	1.5	5
42	Radiosonde-Observed Vertical Profiles and Increasing Trends of Temperature and Humidity during 2005-2018 at the South Pole. <i>Atmosphere</i> , 2019, 10, 365.	2.3	4
43	Drivers of the rapid rise and daily-based accumulation in PM1. <i>Science of the Total Environment</i> , 2021, 760, 143394.	8.0	4
44	The sensitivity of parameterization schemes in thermodynamic modeling of the landfast sea ice in Prydz Bay, East Antarctica. <i>Journal of Glaciology</i> , 0, , 1-16.	2.2	4
45	Vertical variation of tropical cyclone size in the western North Pacific. <i>International Journal of Climatology</i> , 2022, 42, 4424-4444.	3.5	3
46	An Improved Cluster-Wise Typhoon Rainfall Forecasting Model Based on Machine Learning and Deep Learning Models Over the Northwestern Pacific Ocean. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	2
47	Surface Layer Drag Coefficient at Different Radius Ranges in Tropical Cyclones. <i>Atmosphere</i> , 2022, 13, 280.	2.3	1
48	Evaluation of the Effect of Stability Schemes on the Simulation of Land Surface Processes at a Western Tibetan Site. <i>Land</i> , 2021, 10, 253.	2.9	0