

# Chang Ming

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40  
papers

329  
citations

10  
h-index

16  
g-index

47  
ext. papers

460  
ext. citations

5.6  
avg, IF

3.45  
L-index

#	Paper	IF	Citations
40	Improvement of stomatal resistance and photosynthesis mechanism of Noah-MP-WDDM (v1.42) in simulation of NO <sub>2</sub> ; dry deposition velocity in forests. <i>Geoscientific Model Development</i> , <b>2022</b> , 15, 787-801	6.3	
39	A New Index Developed for Fast Diagnosis of Meteorological Roles in Ground-Level Ozone Variations.. <i>Advances in Atmospheric Sciences</i> , <b>2022</b> , 39, 1-12	2.9	2
38	Refined urban canopy parameters and their impacts on simulation of urbanization-induced climate change. <i>Urban Climate</i> , <b>2021</b> , 37, 100847	6.8	4
37	Identification of ventilation corridors using backward trajectory simulations in Beijing. <i>Sustainable Cities and Society</i> , <b>2021</b> , 70, 102889	10.1	3
36	Deposition of ambient particles in the human respiratory system based on single particle analysis: A case study in the Pearl River Delta, China. <i>Environmental Pollution</i> , <b>2021</b> , 283, 117056	9.3	
35	Long-term variability in base cation, sulfur and nitrogen deposition and critical load exceedance of terrestrial ecosystems in China. <i>Environmental Pollution</i> , <b>2021</b> , 289, 117974	9.3	2
34	Dry deposition of reactive nitrogen to different ecosystems across eastern China: A comparison of three community models. <i>Science of the Total Environment</i> , <b>2020</b> , 720, 137548	10.2	5
33	The regional nature of nitrate-dominant haze pollution during autumn over the Pearl River Delta area. <i>Atmospheric and Oceanic Science Letters</i> , <b>2020</b> , 13, 252-259	1.4	1
32	Are typhoon and marine eutrophication the possible missing sources of high dissolved organic nitrogen in wet deposition?. <i>Atmospheric and Oceanic Science Letters</i> , <b>2020</b> , 13, 182-187	1.4	1
31	Aerosol optical depth assimilation for a modal aerosol model: Implementation and application in AOD forecasts over East Asia. <i>Science of the Total Environment</i> , <b>2020</b> , 719, 137430	10.2	6
30	A quantitative analysis of the driving factors affecting seasonal variation of aerosol pH in Guangzhou, China. <i>Science of the Total Environment</i> , <b>2020</b> , 725, 138228	10.2	5
29	Modelling Atmospheric Nitrogen Deposition in China <b>2020</b> , 67-85		
28	An optimal ensemble of the Noah-MP land surface model for simulating surface heat fluxes over a typical subtropical forest in South China. <i>Agricultural and Forest Meteorology</i> , <b>2020</b> , 281, 107815	5.8	9
27	Development of the Real-time On-road Emission (ROE v1.0) model for street-scale air quality modeling based on dynamic traffic big data. <i>Geoscientific Model Development</i> , <b>2020</b> , 13, 23-40	6.3	6
26	Temporal and spatial patterns of nitrogen wet deposition in different weather types in the Pearl River Delta (PRD), China. <i>Science of the Total Environment</i> , <b>2020</b> , 740, 139936	10.2	3
25	Identification of pedestrian-level ventilation corridors in downtown Beijing using large-eddy simulations. <i>Building and Environment</i> , <b>2020</b> , 182, 107169	6.5	9
24	Stabilization for the secondary species contribution to PM <sub>2.5</sub> in the Pearl River Delta (PRD) over the past decade, China: A meta-analysis. <i>Atmospheric Environment</i> , <b>2020</b> , 242, 117817	5.3	11

23	Evaluating the effects of ground-level O on rice yield and economic losses in Southern China. <i>Environmental Pollution</i> , <b>2020</b> , 267, 115694	9.3	9
22	Improvement and Impacts of Forest Canopy Parameters on Noah-MP Land Surface Model from UAV-Based Photogrammetry. <i>Remote Sensing</i> , <b>2020</b> , 12, 4120	5	1
21	A new method for quantification of regional nitrogen emission - Deposition transmission in China. <i>Atmospheric Environment</i> , <b>2020</b> , 227, 117401	5.3	6
20	Development of a real-time on-road emission (ROE v1.0) model for street-scale air quality modeling based on dynamic traffic big data <b>2019</b> ,		1
19	The impact of inhomogeneous urban canopy parameters on meteorological conditions and implication for air quality in the Pearl River Delta region. <i>Urban Climate</i> , <b>2019</b> , 29, 100494	6.8	7
18	Evidence of Rural and Suburban Sources of Urban Haze Formation in China: A Case Study From the Pearl River Delta Region. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 4712-4726	4.4	13
17	High-resolution sampling and analysis of ambient particulate matter in the Pearl River Delta region of southern China: source apportionment and health risk implications. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 2049-2064	6.8	27
16	Regional to Global Biogenic Isoprene Emission Responses to Changes in Vegetation From 2000 to 2015. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 3757-3771	4.4	25
15	Wet and dry deposition fluxes of heavy metals in Pearl River Delta Region (China): Characteristics, ecological risk assessment, and source apportionment. <i>Journal of Environmental Sciences</i> , <b>2018</b> , 70, 106-123	6.4	43
14	Evaluate dry deposition velocity of the nitrogen oxides using Noah-MP physics ensemble simulations for the Dinghushan Forest, Southern China. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , <b>2017</b> , 53, 519-536	2.1	7
13	High time-resolved elemental components in fine and coarse particles in the Pearl River Delta region of Southern China: Dynamic variations and effects of meteorology. <i>Science of the Total Environment</i> , <b>2016</b> , 572, 634-648	10.2	17
12	Properties of aerosols and formation mechanisms over southern China during the monsoon season. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 13271-13289	6.8	11
11	Numerical model to quantify biogenic volatile organic compound emissions: The Pearl River Delta region as a case study. <i>Journal of Environmental Sciences</i> , <b>2016</b> , 46, 72-82	6.4	9
10	Chemical Composition of PM <sub>2.5</sub> and its Impact on Visibility in Guangzhou, Southern China. <i>Aerosol and Air Quality Research</i> , <b>2016</b> , 16, 2349-2361	4.6	18
9	Impact of Land-Use Change on Atmospheric Environment Using Refined Land Surface Properties in the Pearl River Delta, China. <i>Advances in Meteorology</i> , <b>2016</b> , 2016, 1-15	1.7	10
8	Photochemical indicators of ozone sensitivity: application in the Pearl River Delta, China. <i>Frontiers of Environmental Science and Engineering</i> , <b>2016</b> , 10, 1	5.8	24
7	Long-term atmospheric visibility, sunshine duration and precipitation trends in South China. <i>Atmospheric Environment</i> , <b>2015</b> , 107, 204-216	5.3	24
6	Impact of refined land surface properties on the simulation of a heavy convective rainfall process in the Pearl River Delta region, China. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , <b>2014</b> , 50, 645-655	2.1	7

5	Effects of Meteorological Factors on PM10 Pollution in Yantai Urban Areas. <i>Applied Mechanics and Materials</i> , <b>2012</b> , 178-181, 328-331	0.3	
4	Research on Temporal and Spatial Distribution of PM10 in Yantai Urban Areas from 2006 to 2010. <i>Applied Mechanics and Materials</i> , <b>2012</b> , 178-181, 737-740	0.3	
3	Study on Technology of Extracting Potassium with Alkaline Hydrothermal Method. <i>Advanced Materials Research</i> , <b>2012</b> , 512-515, 2325-2328	0.5	
2	Distribution of SO2 and the Meteorological Factors in Yantai Urban Areas from 2008 to 2010. <i>Advanced Materials Research</i> , <b>2011</b> , 356-360, 2118-2123	0.5	1
1	High Contribution of South Asian Biomass Burning to Southeastern Tibetan Plateau Air: New Evidence from Radiocarbon Measurement. <i>Environmental Science and Technology Letters</i> ,	11	2