

Weihua Chen

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6296970/weihua-chen-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

36
papers

410
citations

11
h-index

19
g-index

41
ext. papers

548
ext. citations

6.7
avg, IF

3.42
L-index

#	Paper	IF	Citations
36	A Numeric Study of Regional Climate Change Induced by Urban Expansion in the Pearl River Delta, China. <i>Journal of Applied Meteorology and Climatology</i> , 2014 , 53, 346-362	2.7	83
35	Source apportionment of PM _{2.5} in Guangzhou combining observation data analysis and chemical transport model simulation. <i>Atmospheric Environment</i> , 2015 , 116, 262-271	5.3	70
34	Long-term trends of fine particulate matter and chemical composition in the Pearl River Delta Economic Zone (PRDEZ), China. <i>Frontiers of Environmental Science and Engineering</i> , 2016 , 10, 53-62	5.8	35
33	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> , 2018 , 18, 2049-2064	6.8	27
32	Photochemical indicators of ozone sensitivity: application in the Pearl River Delta, China. <i>Frontiers of Environmental Science and Engineering</i> , 2016 , 10, 1	5.8	24
31	Chemical Composition of PM _{2.5} and its Impact on Visibility in Guangzhou, Southern China. <i>Aerosol and Air Quality Research</i> , 2016 , 16, 2349-2361	4.6	18
30	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> , 2016 , 572, 634-648	10.2	17
29	Quantifying the role of PM dropping in variations of ground-level ozone: Inter-comparison between Beijing and Los Angeles. <i>Science of the Total Environment</i> , 2021 , 788, 147712	10.2	14
28	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> , 2018 , 123, 4712-4726	4.4	13
27	Properties of aerosols and formation mechanisms over southern China during the monsoon season. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 13271-13289	6.8	11
26	Stabilization for the secondary species contribution to PM _{2.5} in the Pearl River Delta (PRD) over the past decade, China: A meta-analysis. <i>Atmospheric Environment</i> , 2020 , 242, 117817	5.3	11
25	Numerical model to quantify biogenic volatile organic compound emissions: The Pearl River Delta region as a case study. <i>Journal of Environmental Sciences</i> , 2016 , 46, 72-82	6.4	9
24	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> , 2020 , 281, 107815	5.8	9
23	Measurement report: Vertical distribution of atmospheric particulate matter within the urban boundary layer in southern China: Size-segregated chemical composition and secondary formation through cloud processing and heterogeneous reactions. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 6435-6453	6.8	8
22	Characterization of diurnal variations of PM acidity using an open thermodynamic system: A case study of Guangzhou, China. <i>Chemosphere</i> , 2018 , 202, 677-685	8.4	8
21	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> , 2017 , 53, 519-536	2.1	7
20	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> , 2014 , 50, 645-655	2.1	7

19	Size-segregated deposition of atmospheric elemental carbon (EC) in the human respiratory system: A case study of the Pearl River Delta, China. <i>Science of the Total Environment</i> , 2020 , 708, 134932	10.2	7
18	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> , 2020 , 719, 137430	10.2	6
17	A new method for quantification of regional nitrogen emission - Deposition transmission in China. <i>Atmospheric Environment</i> , 2020 , 227, 117401	5.3	6
16	A quantitative analysis of the driving factors affecting seasonal variation of aerosol pH in Guangzhou, China. <i>Science of the Total Environment</i> , 2020 , 725, 138228	10.2	5
15	Meteorological variations impeded the benefits of recent NO mitigation in reducing atmospheric nitrate deposition in the Pearl River Delta region, Southeast China. <i>Environmental Pollution</i> , 2020 , 266, 115076	9.3	4
14	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> , 2020 , 740, 139936	10.2	3
13	A New Index Developed for Fast Diagnosis of Meteorological Roles in Ground-Level Ozone Variations.. <i>Advances in Atmospheric Sciences</i> , 2022 , 39, 1-12	2.9	2
12	Significant contribution of lightning NO to summertime surface O on the Tibetan Plateau.. <i>Science of the Total Environment</i> , 2022 , 154639	10.2	2
11	Are typhoon and marine eutrophication the possible missing sources of high dissolved organic nitrogen in wet deposition?. <i>Atmospheric and Oceanic Science Letters</i> , 2020 , 13, 182-187	1.4	1
10	The Development and Application of Machine Learning in Atmospheric Environment Studies. <i>Remote Sensing</i> , 2021 , 13, 4839	5	1
9	Improvement and Impacts of Forest Canopy Parameters on Noah-MP Land Surface Model from UAV-Based Photogrammetry. <i>Remote Sensing</i> , 2020 , 12, 4120	5	1
8	A comprehensive evaluation of aerosol extinction apportionment in Beijing using a high-resolution time-of-flight aerosol mass spectrometer. <i>Science of the Total Environment</i> , 2021 , 783, 146976	10.2	1
7	Seasonal variation of transport pathways and potential source areas at high inorganic nitrogen wet deposition sites in southern China.. <i>Journal of Environmental Sciences</i> , 2022 , 114, 444-453	6.4	0
6	Ozone control strategies for local formation- and regional transport-dominant scenarios in a manufacturing city in southern China. <i>Science of the Total Environment</i> , 2021 , 151883	10.2	0
5	Improvement of stomatal resistance and photosynthesis mechanism of Noah-MP-WDDM (v1.42) in simulation of NO ₂ ; dry deposition velocity in forests. <i>Geoscientific Model Development</i> , 2022 , 15, 787-801	6.3	
4	Application of a Negative Multinomial Model Gives Insight into Rarity-Area Relationships. <i>Forests</i> , 2020 , 11, 571	2.8	
3	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> , 2021 , 283, 117056	9.3	
2	Assessment of background ozone concentrations in China and implications for using region-specific volatile organic compounds emission abatement to mitigate air pollution.. <i>Environmental Pollution</i> , 2022 , 119254	9.3	

1

Synergistic effects of biogenic volatile organic compounds and soil nitric oxide emissions on summertime ozone formation in China.. *Science of the Total Environment*, **2022**, 154218

10.2