Wei Wei

List of Publications by Year
in descending order

39 papers	1,669 citations	361413 20 h-index	315739 38 g-index
40 all docs	40 docs citations	40 times ranked	1788 citing authors

#	Article	IF	Citations
1	Emission and speciation of non-methane volatile organic compounds from anthropogenic sources in China. Atmospheric Environment, 2008, 42, 4976-4988.	4.1	242
2	Characteristics of volatile organic compounds (VOCs) emitted from a petroleum refinery in Beijing, China. Atmospheric Environment, 2014, 89, 358-366.	4.1	139
3	Source apportionment of PM 2.5 in top polluted cities in Hebei, China using the CMAQ model. Atmospheric Environment, 2015, 122, 723-736.	4.1	108
4	A study on the trends of vehicular emissions in the Beijingâ€"Tianjinâ€"Hebei (BTH) region, China. Atmospheric Environment, 2012, 62, 605-614.	4.1	100
5	Characteristics and source apportionment of VOCs in the suburban area of Beijing, China. Atmospheric Pollution Research, 2016, 7, 711-724.	3.8	97
6	Projection of anthropogenic volatile organic compounds (VOCs) emissions in China for the period 2010â€"2020. Atmospheric Environment, 2011, 45, 6863-6871.	4.1	87
7	Characteristics and classification of PM2.5 pollution episodes in Beijing from 2013 to 2015. Science of the Total Environment, 2018, 612, 170-179.	8.0	83
8	Characteristics and emission-reduction measures evaluation of PM 2.5 during the two major events: APEC and Parade. Science of the Total Environment, 2017, 595, 81-92.	8.0	78
9	Characteristics of ozone and ozone precursors (VOCs and NOx) around a petroleum refinery in Beijing, China. Journal of Environmental Sciences, 2014, 26, 332-342.	6.1	63
10	VOCs emission rate estimate for complicated industrial area source using an inverse-dispersion calculation method: A case study on a petroleum refinery in Northern China. Environmental Pollution, 2016, 218, 681-688.	7.5	61
11	A comprehensive classification method for VOC emission sources to tackle air pollution based on VOC species reactivity and emission amounts. Journal of Environmental Sciences, 2018, 67, 78-88.	6.1	61
12	Application of Weather Research and Forecasting Model with Chemistry (WRF/Chem) over northern China: Sensitivity study, comparative evaluation, and policy implications. Atmospheric Environment, 2016, 124, 337-350.	4.1	60
13	Trends of chemical speciation profiles of anthropogenic volatile organic compounds emissions in China, 2005â€"2020. Frontiers of Environmental Science and Engineering, 2014, 8, 27-41.	6.0	53
14	Characteristics of VOCs during haze and non-haze days in Beijing, China: Concentration, chemical degradation and regional transport impact. Atmospheric Environment, 2018, 194, 134-145.	4.1	53
15	Chemical Characteristics of Fine Particles Emitted from Different Chinese Cooking Styles. Aerosol and Air Quality Research, 2015, 15, 2357-2366.	2.1	53
16	The changes and long-range transport of PM2.5 in Beijing in the past decade. Atmospheric Environment, 2015, 110, 186-195.	4.1	46
17	Characteristics of PM2.5 and SNA components and meteorological factors impact on air pollution through 2013â€"2017 in Beijing, China. Atmospheric Pollution Research, 2019, 10, 1976-1984.	3.8	30
18	Characterizing ozone pollution in a petrochemical industrial area in Beijing, China: a case study using a chemical reaction model. Environmental Monitoring and Assessment, 2015, 187, 377.	2.7	27

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19	Sensitivity of summer ozone to precursor emission change over Beijing during 2010â€“2015: A WRF-Chem modeling study. Atmospheric Environment, 2019, 218, 116984.	4.1	27
20	A WRF-Chem model study of the impact of VOCs emission of a huge petro-chemical industrial zone on the summertime ozone in Beijing, China. Atmospheric Environment, 2018, 175, 44-53.	4.1	26
21	Insights into submicron particulate evolution, sources and influences on haze pollution in Beijing, China. Atmospheric Environment, 2019, 201, 360-368.	4.1	18
22	Peroxyacetyl nitrate (PAN) in the border of Beijing, Tianjin and Hebei of China: Concentration, source apportionment and photochemical pollution assessment. Atmospheric Research, 2020, 246, 105106.	4.1	18
23	A monitoring-modeling approach to SO42âˆ' and NO3âˆ' secondary conversion ratio estimation during haze periods in Beijing, China. Journal of Environmental Sciences, 2019, 78, 293-302.	6.1	15
24	Mixing layer height estimated from AMDAR and its relationship with PMs and meteorological parameters in two cities in North China during 2014â€“2017. Atmospheric Pollution Research, 2020, 11, 443-453.	3.8	14
25	Attenuated sensitivity of ozone to precursors in Beijingâ€“Tianjinâ€“Hebei region with the continuous NOx reduction within 2014â€“2018. Science of the Total Environment, 2022, 813, 152589.	8.0	14
26	Speciated VOCs emission estimate for a typical petrochemical manufacturing plant in China using inverse-dispersion calculation method. Environmental Monitoring and Assessment, 2018, 190, 451.	2.7	11
27	The impacts of VOCs on PM2.5 increasing via their chemical losses estimates: A case study in a typical industrial city of China. Atmospheric Environment, 2022, 273, 118978.	4.1	11
28	Exploring drivers of the aggravated surface O3 over North China Plain in summer of 2015â€“2019: Aerosols, precursors, and meteorology. Journal of Environmental Sciences, 2023, 127, 453-464.	6.1	10
29	Quantitation study on VOC emissions and their reduction potential for coking industry in China: Based on in-situ measurements on treated and untreated plants. Science of the Total Environment, 2022, 836, 155466.	8.0	9
30	Characteristics and source apportionment of atmospheric volatile organic compounds in Beijing, China. Environmental Monitoring and Assessment, 2019, 191, 762.	2.7	8
31	Exploring the causes for co-pollution of O3 and PM2.5 in summer over North China. Environmental Monitoring and Assessment, 2022, 194, 289.	2.7	8
32	Composition analysis and formation pathway comparison of PM1 between two pollution episodes during February 2017 in Beijing, China. Atmospheric Environment, 2020, 223, 117223.	4.1	7
33	Impacts of Meteorology and Emissions on O3 Pollution during 2013â€“2018 and Corresponding Control Strategy for a Typical Industrial City of China. Atmosphere, 2021, 12, 619.	2.3	7
34	Nonlinear influence of winter meteorology and precursor on PM2.5 based on mathematical and numerical models: A COVID-19 and Winter Olympics case study. Atmospheric Environment, 2022, , 119072.	4.1	7
35	Evaluation of continuous emission reduction effect on PM2.5 pollution improvement through 2013â€“2018 in Beijing. Atmospheric Pollution Research, 2021, 12, 101055.	3.8	6
36	Source estimation of SO42âˆ' and NO3âˆ' based on monitoring-modeling approach during winter and summer seasons in Beijing and Tangshan, China. Atmospheric Environment, 2019, 214, 116849.	4.1	5

#	Article	IF	Citations
37	Insights into atmospheric oxidation capacity and its impact on PM2.5 in megacity Beijing via volatile organic compounds measurements. Atmospheric Research, 2021, 258, 105632.	4.1	5
38	Significant impacts of NO₂ and NH₃ on the sulfate formations on the surface of nano MgO particles in a smog chamber. Environmental Science: Nano, 2022, 9, 2470-2487.	4.3	2
39	The Independent Impacts of PM2.5 Dropping on the Physical and Chemical Properties of Atmosphere over North China Plain in Summer during 2015â€“2019. Sustainability, 2022, 14, 3930.	3.2	0