

Hao He

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,556
citations

361296

20
h-index

395590

33
g-index

52
all docs

52
docs citations

52
times ranked

2702
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined effects of air pollution and extreme heat events among ESKD patients within the Northeastern United States. <i>Science of the Total Environment</i> , 2022, 812, 152481.	3.9	4
2	Carbon Monoxide Emissions from the Washington, DC, and Baltimore Metropolitan Area: Recent Trend and COVID-19 Anomaly. <i>Environmental Science & Technology</i> , 2022, 56, 2172-2180.	4.6	7
3	Airborne Observations of CFCs Over Hebei Province, China in Spring 2016. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035152.	1.2	5
4	Impact of Fire Emissions on U.S. Air Quality from 1997 to 2016—A Modeling Study in the Satellite Era. <i>Remote Sensing</i> , 2020, 12, 913.	1.8	12
5	Assessing Measurements of Pollution in the Troposphere (MOPITT) carbon monoxide retrievals over urban versus non-urban regions. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 1337-1356.	1.2	16
6	Using near-road observations of CO, NO _y , and CO ₂ to investigate emissions from vehicles: Evidence for an impact of ambient temperature and specific humidity. <i>Atmospheric Environment</i> , 2020, 232, 117558.	1.9	16
7	The long-term trend and production sensitivity change in the US ozone pollution from observations and model simulations. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 3191-3208.	1.9	24
8	Measurement report: Aircraft observations of ozone, nitrogen oxides, and volatile organic compounds over Hebei Province, China. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14523-14545.	1.9	23
9	Correcting model biases of CO in East Asia: impact on oxidant distributions during KORUS-AQ. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14617-14647.	1.9	34
10	Using Short-Term CO/CO ₂ Ratios to Assess Air Mass Differences Over the Korean Peninsula During KORUS-AQ. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 10951-10972.	1.2	31
11	Vertical profiles of NO ₂ , SO ₂ , HONO, HCHO, CHOCHO and aerosols derived from MAX-DOAS measurements at a rural site in the central western North China Plain and their relation to emission sources and effects of regional transport. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 5417-5449.	1.9	66
12	Measured and modelled ozone photochemical production in the Baltimore-Washington airshed. <i>Atmospheric Environment: X</i> , 2019, 2, 100017.	0.8	5
13	Chemical climatology of atmospheric pollutants in the eastern United States: Seasonal/diurnal cycles and contrast under clear/cloudy conditions for remote sensing. <i>Atmospheric Environment</i> , 2019, 206, 85-107.	1.9	5
14	Methane Emissions from the Marcellus Shale in Southwestern Pennsylvania and Northern West Virginia Based on Airborne Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1862-1878.	1.2	26
15	Effects of emissions change, climate change and long-range transport on regional modeling of future U.S. particulate matter pollution and speciation. <i>Atmospheric Environment</i> , 2018, 179, 166-176.	1.9	26
16	Evaluating commercial marine emissions and their role in air quality policy using observations and the CMAQ model. <i>Atmospheric Environment</i> , 2018, 173, 96-107.	1.9	30
17	Vertical distributions of aerosol optical properties during the spring 2016 ARIAs airborne campaign in the North China Plain. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8995-9010.	1.9	28
18	Top-Down Estimates of NO _x and CO Emissions From Washington, D.C.—Baltimore During the WINTER Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7705-7724.	1.2	35

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19	Methane Emissions From the Baltimore-Washington Area Based on Airborne Observations: Comparison to Emissions Inventories. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 8869-8882.	1.2	43
20	Expected ozone benefits of reducing nitrogen oxide (NO _x) emissions from coal-fired electricity generating units in the eastern United States. <i>Journal of the Air and Waste Management Association</i> , 2017, 67, 279-291.	0.9	5
21	India Is Overtaking China as the World's Largest Emitter of Anthropogenic Sulfur Dioxide. <i>Scientific Reports</i> , 2017, 7, 14304.	1.6	230
22	Response of SO ₂ and particulate air pollution to local and regional emission controls: A case study in Maryland. <i>Earth's Future</i> , 2016, 4, 94-109.	2.4	38
23	Aura OMI observations of regional SO ₂ and NO ₂ pollution changes from 2005 to 2015. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4605-4629.	1.9	521
24	Future U.S. ozone projections dependence on regional emissions, climate change, long-range transport and differences in modeling design. <i>Atmospheric Environment</i> , 2016, 128, 124-133.	1.9	20
25	Evaluation of the use of a commercially available cavity ringdown absorption spectrometer for measuring NO ₂ in flight, and observations over the Mid-Atlantic States, during DISCOVER-AQ. <i>Journal of Atmospheric Chemistry</i> , 2015, 72, 503-521.	1.4	27
26	An elevated reservoir of air pollutants over the Mid-Atlantic States during the 2011 DISCOVER-AQ campaign: Airborne measurements and numerical simulations. <i>Atmospheric Environment</i> , 2014, 85, 18-30.	1.9	33
27	Evaluation of GEOS-5 sulfur dioxide simulations during the Frostburg, MD 2010 field campaign. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 1929-1941.	1.9	37
28	High ozone concentrations on hot days: The role of electric power demand and NO _x emissions. <i>Geophysical Research Letters</i> , 2013, 40, 5291-5294.	1.5	46
29	Trends in emissions and concentrations of air pollutants in the lower troposphere in the Baltimore/Washington airshed from 1997 to 2011. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 7859-7874.	1.9	55
30	SO ₂ over central China: Measurements, numerical simulations and the tropospheric sulfur budget. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	55