Hao He

List of Publications by Year
in descending order

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30	1,556	361296 20	395590 33
papers	citations	h-index	g-index

52	52	52	2702
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Aura OMI observations of regional SO₂ and NO₂ pollution changes from 2005 to 2015. Atmospheric Chemistry and Physics, 2016, 16, 4605-4629.	1.9	521
2	India Is Overtaking China as the Worldâ€™s Largest Emitter of Anthropogenic Sulfur Dioxide. Scientific Reports, 2017, 7, 14304.	1.6	230
3	Vertical profiles of NO₂, SO₂, 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. Atmospheric Chemistry and Physics, 2019, 19, 5417-5449.	1.9	66
4	SO₂ over central China: Measurements, numerical simulations and the tropospheric sulfur budget. Journal of Geophysical Research, 2012, 117, .	3.3	55
5	Trends in emissions and concentrations of air pollutants in the lower troposphere in the Baltimore/Washington airshed from 1997 to 2011. Atmospheric Chemistry and Physics, 2013, 13, 7859-7874.	1.9	55
6	High ozone concentrations on hot days: The role of electric power demand and NO_x emissions. Geophysical Research Letters, 2013, 40, 5291-5294.	1.5	46
7	Methane Emissions From the Baltimoreâ€Washington Area Based on Airborne Observations: Comparison to Emissions Inventories. Journal of Geophysical Research D: Atmospheres, 2018, 123, 8869-8882.	1.2	43
8	Response of SO₂ and particulate air pollution to local and regional emission controls: A case study in Maryland. Earth's Future, 2016, 4, 94-109.	2.4	38
9	Evaluation of GEOS-5 sulfur dioxide simulations during the Frostburg, MD 2010 field campaign. Atmospheric Chemistry and Physics, 2014, 14, 1929-1941.	1.9	37
10	Topâ€Down Estimates of NO_x and CO Emissions From Washington, D.C.â€Baltimore During the WINTER Campaign. Journal of Geophysical Research D: Atmospheres, 2018, 123, 7705-7724.	1.2	35
11	Correcting model biases of CO in East Asia: impact on oxidant distributions during KORUS-AQ. Atmospheric Chemistry and Physics, 2020, 20, 14617-14647.	1.9	34
12	An elevated reservoir of air pollutants over the Mid-Atlantic States during the 2011 DISCOVER-AQ campaign: Airborne measurements and numerical simulations. Atmospheric Environment, 2014, 85, 18-30.	1.9	33
13	Using Shortâ€Term CO/CO₂ Ratios to Assess Air Mass Differences Over the Korean Peninsula During KORUSâ€AQ. Journal of Geophysical Research D: Atmospheres, 2019, 124, 10951-10972.	1.2	31
14	Evaluating commercial marine emissions and their role in air quality policy using observations and the CMAQ model. Atmospheric Environment, 2018, 173, 96-107.	1.9	30
15	Vertical distributions of aerosol optical properties during the spring 2016 ARIAs airborne campaign in the North China Plain. Atmospheric Chemistry and Physics, 2018, 18, 8995-9010.	1.9	28
16	Evaluation of the use of a commercially available cavity ringdown absorption spectrometer for measuring NO2 in flight, and observations over the Mid-Atlantic States, during DISCOVER-AQ. Journal of Atmospheric Chemistry, 2015, 72, 503-521.	1.4	27
17	Effects of emissions change, climate change and long-range transport on regional modeling of future U.S. particulate matter pollution and speciation. Atmospheric Environment, 2018, 179, 166-176.	1.9	26
18	Methane Emissions from the Marcellus Shale in Southwestern Pennsylvania and Northern West Virginia Based on Airborne Measurements. Journal of Geophysical Research D: Atmospheres, 2019, 124, 1862-1878.	1.2	26

#	Article	IF	Citations
19	The long-term trend and production sensitivity change in the US ozone pollution from observations and model simulations. Atmospheric Chemistry and Physics, 2020, 20, 3191-3208.	1.9	24
20	Measurement report: Aircraft observations of ozone, nitrogen oxides, and volatile organic compounds over Hebei Province, China. Atmospheric Chemistry and Physics, 2020, 20, 14523-14545.	1.9	23
21	Future U.S. ozone projections dependence on regional emissions, climate change, long-range transport and differences in modeling design. Atmospheric Environment, 2016, 128, 124-133.	1.9	20
22	Assessing Measurements of Pollution in the Troposphere (MOPITT) carbon monoxide retrievals over urban versus non-urban regions. Atmospheric Measurement Techniques, 2020, 13, 1337-1356.	1.2	16
23	Using near-road observations of CO, NOy, and CO2 to investigate emissions from vehicles: Evidence for an impact of ambient temperature and specific humidity. Atmospheric Environment, 2020, 232, 117558.	1.9	16
24	Impact of Fire Emissions on U.S. Air Quality from 1997 to 2016â€“A Modeling Study in the Satellite Era. Remote Sensing, 2020, 12, 913.	1.8	12
25	Carbon Monoxide Emissions from the Washington, DC, and Baltimore Metropolitan Area: Recent Trend and COVID-19 Anomaly. Environmental Science & Technology, 2022, 56, 2172-2180.	4.6	7
26	Expected ozone benefits of reducing nitrogen oxide (NO_x) emissions from coal-fired electricity generating units in the eastern United States. Journal of the Air and Waste Management Association, 2017, 67, 279-291.	0.9	5
27	Measured and modelled ozone photochemical production in the Baltimore-Washington airshed. Atmospheric Environment: X, 2019, 2, 100017.	0.8	5
28	Chemical climatology of atmospheric pollutants in the eastern United States: Seasonal/diurnal cycles and contrast under clear/cloudy conditions for remote sensing. Atmospheric Environment, 2019, 206, 85-107.	1.9	5
29	Airborne Observations of CFCs Over Hebei Province, China in Spring 2016. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035152.	1.2	5
30	Combined effects of air pollution and extreme heat events among ESKD patients within the Northeastern United States. Science of the Total Environment, 2022, 812, 152481.	3.9	4