

# Yuhang Wang

## 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.

192 papers	8,653 citations	50 h-index	87 g-index
230 ext. papers	9,842 ext. citations	6.4 avg, IF	5.99 L-index

#	Paper	IF	Citations
192	Characterizing the distinct modulation of future emissions on summer ozone concentrations between urban and rural areas over China.. <i>Science of the Total Environment</i> , <b>2022</b> , 820, 153324	10.2	3
191	Ambient observations indicating an increasing effectiveness of ammonia control in wintertime PM reduction in Central China.. <i>Science of the Total Environment</i> , <b>2022</b> , 153708	10.2	0
190	The striking effect of vertical mixing in the planetary boundary layer on new particle formation in the Yangtze River Delta.. <i>Science of the Total Environment</i> , <b>2022</b> , 829, 154607	10.2	3
189	Winter particulate pollution severity in North China driven by atmospheric teleconnections. <i>Nature Geoscience</i> , <b>2022</b> , 15, 349-355	18.3	3
188	The Impact of Meteorology and Emissions on Surface Ozone in Shandong Province, China, during Summer 2014-2019. <i>International Journal of Environmental Research and Public Health</i> , <b>2022</b> , 19, 6758	4.6	
187	Projection of future wildfire emissions in western USA under climate change: contributions from changes in wildfire, fuel loading and fuel moisture. <i>International Journal of Wildland Fire</i> , <b>2021</b> ,	3.2	2
186	Chemical Production of Oxygenated Volatile Organic Compounds Strongly Enhances Boundary-Layer Oxidation Chemistry and Ozone Production. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 13718-13727	10.3	4
185	Formation and dissipation dynamics of the Asian tropopause aerosol layer. <i>Environmental Research Letters</i> , <b>2021</b> , 16, 014015	6.2	3
184	Global Wildfire Plume-Rise Data Set and Parameterizations for Climate Model Applications. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD033085	4.4	1
183	Explicit modeling of isoprene chemical processing in polluted air masses in suburban areas of the Yangtze River Delta region: radical cycling and formation of ozone and formaldehyde. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 5905-5917	6.8	4
182	Seasonal Variations of Carbonyls and Their Contributions to the Ozone Formation in Urban Atmosphere of Taiyuan, China. <i>Atmosphere</i> , <b>2021</b> , 12, 510	2.7	2
181	A dynamical pathway bridging African biomass burning and Asian summer monsoon. <i>Climate Dynamics</i> , <b>2021</b> , 57, 1993-2004	4.2	
180	Recommendations for HCHO and SO <sub>2</sub> Retrieval Settings from MAX-DOAS Observations under Different Meteorological Conditions. <i>Remote Sensing</i> , <b>2021</b> , 13, 2244	5	0
179	Optimal estimation of initial concentrations and emission sources with 4D-Var for air pollution prediction in a 2D transport model. <i>Science of the Total Environment</i> , <b>2021</b> , 773, 145580	10.2	1
178	Quantifying the Impacts of COVID-19 Lockdown and Spring Festival on Air Quality over Yangtze River Delta Region. <i>Atmosphere</i> , <b>2021</b> , 12, 735	2.7	0
177	Highly time-resolved characterization of carbonaceous aerosols using a two-wavelength Sunset thermal-optical carbon analyzer. <i>Atmospheric Measurement Techniques</i> , <b>2021</b> , 14, 4053-4068	4	1
176	Evidence for Large Amounts of Brown Carbonaceous Tarballs in the Himalayan Atmosphere. <i>Environmental Science and Technology Letters</i> , <b>2021</b> , 8, 16-23	11	11

175	Comprehensive evaluations of diurnal NO <sub>2</sub> measurements during DISCOVER-AQ 2011: effects of resolution-dependent representation of NO <sub>x</sub> emissions. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 11133-11160	6.8	1
174	Gas/particle partitioning of polyol tracers at a suburban site in Nanjing, east China: increased partitioning to the particle phase. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 12141-12153	6.8	1
173	Formation mechanism of HCHO pollution in the suburban Yangtze River Delta region, China: A box model study and policy implementations. <i>Atmospheric Environment</i> , <b>2021</b> , 267, 118755	5.3	1
172	Summertime Clean-Background Ozone Concentrations Derived from Ozone Precursor Relationships are Lower than Previous Estimates in the Southeast United States. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 12852-12861	10.3	
171	Enhancement of ozone formation by increased vehicles emission and reduced coal combustion emission in Taiyuan, a traditional industrial city in northern China. <i>Atmospheric Environment</i> , <b>2021</b> , 118759	5.3	2
170	Investigating the Impacts of the COVID-19 Lockdown on Trace Gases Using Ground-Based MAX-DOAS Observations in Nanjing, China. <i>Remote Sensing</i> , <b>2020</b> , 12, 3939	5	7
169	Extending Ozone-Precursor Relationships in China From Peak Concentration to Peak Time. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD033670	4.4	5
168	Validation of SAGE III/ISS Solar Occultation Ozone Products With Correlative Satellite and Ground-Based Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD032430	4.4	9
167	A three-year investigation of metals in the atmospheric wet deposition of a basin region, north China: Pollution characteristics and source apportionment. <i>Atmospheric Pollution Research</i> , <b>2020</b> , 11, 793-802	4.5	6
166	Global Measurements of Brown Carbon and Estimated Direct Radiative Effects. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL088747	4.9	26
165	Modeling the global radiative effect of brown carbon: a potentially larger heating source in the tropical free troposphere than black carbon. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 1901-1920	6.8	32
164	Atmospheric teleconnection processes linking winter air stagnation and haze extremes in China with regional Arctic sea ice decline. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 4999-5017	6.8	14
163	The impact of volatile organic compounds on ozone formation in the suburban area of Shanghai. <i>Atmospheric Environment</i> , <b>2020</b> , 232, 117511	5.3	32
162	Characteristics, sources and regional inter-transport of ambient volatile organic compounds in a city located downwind of several large coke production bases in China. <i>Atmospheric Environment</i> , <b>2020</b> , 233, 117573	5.3	6
161	No Evidence for a Significant Impact of Heterogeneous Chemistry on Radical Concentrations in the North China Plain in Summer 2014. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 5973-5979	10.3	43
160	NO <sub>x</sub> Emission Reduction and Recovery during COVID-19 in East China. <i>Atmosphere</i> , <b>2020</b> , 11, 433	2.7	115
159	Using CESM-RESFire to understand climate-fire-ecosystem interactions and the implications for decadal climate variability. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 995-1020	6.8	12
158	A vacuum ultraviolet ion source (VUV-IS) for iodide chemical ionization mass spectrometry: a substitute for radioactive ion sources. <i>Atmospheric Measurement Techniques</i> , <b>2020</b> , 13, 3683-3696	4	5

157	Isoprene Mixing Ratios Measured at Twenty Sites in China During 2012–2014: Comparison With Model Simulation. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2020JD033523	4.4	3
156	A modeling study of the regional representativeness of surface ozone variation at the WMO/GAW background stations in China. <i>Atmospheric Environment</i> , <b>2020</b> , 242, 117672	5.3	4
155	Global Wildfire Outlook Forecast with Neural Networks. <i>Remote Sensing</i> , <b>2020</b> , 12, 2246	5	3
154	Measurements of light-absorbing impurities in snow over four glaciers on the Tibetan Plateau. <i>Atmospheric Research</i> , <b>2020</b> , 243, 105002	5.4	3
153	Observation Constrained Aromatic Emissions in Shanghai, China. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2019JD031815	4.4	4
152	Inferring the anthropogenic NO <sub>x</sub> emission trend over the United States during 2003–2017 from satellite observations: Was there a flattening of the emission trend after the Great Recession? <b>2019</b> ,		1
151	Substantial ozone enhancement over the North China Plain from increased biogenic emissions due to heat waves and land cover in summer 2017 <b>2019</b> ,		1
150	Modeling global radiative effect of brown carbon: A larger heating source in the tropical free troposphere than black carbon <b>2019</b> ,		2
149	Using MODIS derived aerosol optical depth to estimate ground-level PM <sub>2.5</sub> concentrations over Turkey. <i>Atmospheric Pollution Research</i> , <b>2019</b> , 10, 1565-1576	4.5	15
148	Contrasting Post-Fire Dynamics between Africa and South America based on MODIS Observations. <i>Remote Sensing</i> , <b>2019</b> , 11, 1074	5	6
147	Dependence of Summertime Surface Ozone on NO <sub>x</sub> and VOC Emissions Over the United States: Peak Time and Value. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 3540-3550	4.9	13
146	Impact of the Eurasian Teleconnection on the Interannual Variability of Haze-Fog in Northern China in January. <i>Atmosphere</i> , <b>2019</b> , 10, 113	2.7	12
145	Development of a REgion-Specific Ecosystem Feedback Fire (RESFire) Model in the Community Earth System Model. <i>Journal of Advances in Modeling Earth Systems</i> , <b>2019</b> , 11, 417-445	7.1	14
144	Aerosols in an arid environment: The role of aerosol water content, particulate acidity, precursors, and relative humidity on secondary inorganic aerosols. <i>Science of the Total Environment</i> , <b>2019</b> , 646, 564-572	10.2	28
143	Vertical distribution of the Asian tropopause aerosols detected by CALIPSO. <i>Environmental Pollution</i> , <b>2019</b> , 253, 207-220	9.3	7
142	Comment on [Insignificant effect of climate change on winter haze pollution in Beijing] by Shen et al. (2018). <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 8563-8568	6.8	
141	Significant impact of heterogeneous reactions of reactive chlorine species on summertime atmospheric ozone and free-radical formation in north China. <i>Science of the Total Environment</i> , <b>2019</b> , 693, 133580	10.2	16
140	High cancer risk from inhalation exposure to PAHs in Fenhe Plain in winter: A particulate size distribution-based study. <i>Atmospheric Environment</i> , <b>2019</b> , 216, 116924	5.3	7

139	Substantial ozone enhancement over the North China Plain from increased biogenic emissions due to heat waves and land cover in summer 2017. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 12195-12207	6.8	43
138	Impacts of meteorology and emissions on summertime surface ozone increases over central eastern China between 2003 and 2015. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 1455-1469	6.8	45
137	Initial Cost Barrier of Ammonia Control in Central China. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 14175-14184	4.8	4
136	Inferring the anthropogenic NO <sub>x</sub> emission trend over the United States during 2003–2017 from satellite observations: was there a flattening of the emission trend after the Great Recession?. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 15339-15352	6.8	7
135	Improve observation-based ground-level ozone spatial distribution by compositing satellite and surface observations: A simulation experiment. <i>Atmospheric Environment</i> , <b>2018</b> , 180, 226-233	5.3	2
134	Impacts of the Degradation of 2,3,3,3-Tetrafluoropropene into Trifluoroacetic Acid from Its Application in Automobile Air Conditioners in China, the United States, and Europe. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 2819-2826	10.3	20
133	Investigation of short-term effective radiative forcing of fire aerosols over North America using nudged hindcast ensembles. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 31-47	6.8	7
132	Chemical characteristics of submicron particles at the central Tibetan Plateau: insights from aerosol mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 427-443	6.8	28
131	Comparing OMI-based and EPA AQS in situ NO <sub>2</sub> trends: towards understanding surface NO <sub>x</sub> emission changes. <i>Atmospheric Measurement Techniques</i> , <b>2018</b> , 11, 3955-3967	4	31
130	Evidence of heterogeneous HONO formation from aerosols and the regional photochemical impact of this HONO source. <i>Environmental Research Letters</i> , <b>2018</b> , 13, 114002	6.2	16
129	Major forest increase on the Loess Plateau, China (2001–2016). <i>Land Degradation and Development</i> , <b>2018</b> , 29, 4080-4091	4.4	17
128	Estimator of Surface Ozone Using Formaldehyde and Carbon Monoxide Concentrations Over the Eastern United States in Summer. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 7642	4.4	9
127	Local and regional contributions to fine particulate matter in Beijing during heavy haze episodes. <i>Science of the Total Environment</i> , <b>2017</b> , 580, 283-296	10.2	75
126	Derivation of Hydroperoxyl Radical Levels at an Urban Site via Measurement of Pernitric Acid by Iodide Chemical Ionization Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 3355-3363	10.2	2
125	Development of a self-consistent lightning NO <sub>x</sub> simulation in large-scale 3-D models. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 3141-3154	4.4	7
124	Top-of-atmosphere radiative forcing affected by brown carbon in the upper troposphere. <i>Nature Geoscience</i> , <b>2017</b> , 10, 486-489	18.3	114
123	Source apportionment and toxicity of atmospheric polycyclic aromatic hydrocarbons by PMF: Quantifying the influence of coal usage in Taiyuan, China. <i>Atmospheric Research</i> , <b>2017</b> , 193, 50-59	5.4	32
122	Arctic sea ice, Eurasia snow, and extreme winter haze in China. <i>Science Advances</i> , <b>2017</b> , 3, e1602751	14.3	141

121	Radical budget and ozone chemistry during autumn in the atmosphere of an urban site in central China. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 3672-3685	4.4	23
120	Diagnosing Tibetan pollutant sources via volatile organic compound observations. <i>Atmospheric Environment</i> , <b>2017</b> , 166, 244-254	5.3	10
119	High Levels of Daytime Molecular Chlorine and Nitryl Chloride at a Rural Site on the North China Plain. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 9588-9595	10.3	48
118	Quantifying the relationship between extreme air pollution events and extreme weather events. <i>Atmospheric Research</i> , <b>2017</b> , 188, 64-79	5.4	65
117	Large biogenic contribution to boundary layer O <sub>3</sub> -CO regression slope in summer. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 7061-7068	4.9	12
116	Enhanced trans-Himalaya pollution transport to the Tibetan Plateau by cut-off low systems. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 3083-3095	6.8	28
115	Ambient volatile organic compounds and their effect on ozone production in Wuhan, central China. <i>Science of the Total Environment</i> , <b>2016</b> , 541, 200-209	10.2	139
114	Climate-driven ground-level ozone extreme in the fall over the Southeast United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 10025-30	11.5	65
113	Large vertical gradient of reactive nitrogen oxides in the boundary layer: Modeling analysis of DISCOVER-AQ 2011 observations. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 1922-1934	4.4	33
112	Impacts of global open-fire aerosols on direct radiative, cloud and surface-albedo effects simulated with CAM5. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 14805-14824	6.8	38
111	Agricultural fires in the southeastern U.S. during SEAC4RS: Emissions of trace gases and particles and evolution of ozone, reactive nitrogen, and organic aerosol. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 7383-7414	4.4	71
110	Large fire emissions in summer over the southeastern US: Satellite measurements and modeling analysis. <i>Atmospheric Environment</i> , <b>2016</b> , 127, 213-220	5.3	3
109	Impacts of Global Wildfire Aerosols on Direct Radiative, Cloud and Surface-Albedo Forcings Simulated with CAM5 <b>2016</b> ,		2
108	Inverse modelling of NO <sub>x</sub> emissions over eastern China: uncertainties due to chemical non-linearity. <i>Atmospheric Measurement Techniques</i> , <b>2016</b> , 9, 5193-5201	4	17
107	Aerosol and monsoon climate interactions over Asia. <i>Reviews of Geophysics</i> , <b>2016</b> , 54, 866-929	23.1	412
106	Characteristics and reactivity of volatile organic compounds from non-coal emission sources in China. <i>Atmospheric Environment</i> , <b>2015</b> , 115, 153-162	5.3	35
105	Coke workers' exposure to volatile organic compounds in northern China: a case study in Shanxi Province. <i>Environmental Monitoring and Assessment</i> , <b>2015</b> , 187, 359	3.1	11
104	A growing importance of large fires in conterminous United States during 1984-2012. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2015</b> , 120, 2625-2640	3.7	21



103	Century-scale patterns and trends of global pyrogenic carbon emissions and fire influences on terrestrial carbon balance. <i>Global Biogeochemical Cycles</i> , <b>2015</b> , 29, 1549-1566	5.9	17
102	Springtime daily variations in lower-tropospheric ozone over east Asia: the role of cyclonic activity and pollution as observed from space with IASI. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 10839-10856	6.8	26
101	A new indicator on the impact of large-scale circulation on wintertime particulate matter pollution over China. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 11919-11929	6.8	58
100	Spatial and temporal patterns of global burned area in response to anthropogenic and environmental factors: Reconstructing global fire history for the 20th and early 21st centuries. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2014</b> , 119, 249-263	3.7	39
99	Anthropogenic emissions of NO <sub>x</sub> over China: Reconciling the difference of inverse modeling results using GOME-2 and OMI measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 7732-7740	4.4	37
98	Influence of climate variability on near-surface ozone depletion events in the Arctic spring. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 2582-2589	4.9	5
97	Surface and free tropospheric sources of methanesulfonic acid over the tropical Pacific Ocean. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 5239-5245	4.9	7
96	High levels of molecular chlorine in the Arctic atmosphere. <i>Nature Geoscience</i> , <b>2014</b> , 7, 91-94	18.3	79
95	Evidence of aerosols as a media for rapid daytime HONO production over China. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 14386-91	10.3	60
94	Global distribution and trends of tropospheric ozone: An observation-based review. <i>Elementa</i> , <b>2014</b> , 2,	3.6	292
93	Statistical downscaling of an air quality model using Fitted Empirical Orthogonal Functions. <i>Atmospheric Environment</i> , <b>2013</b> , 81, 1-10	5.3	14
92	Reduction in NO(x) emission trends over China: regional and seasonal variations. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 12912-9	10.3	84
91	Observations of inorganic bromine (HOBr, BrO, and Br <sub>2</sub> ) speciation at Barrow, Alaska, in spring 2009. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		58
90	Exploring the missing source of glyoxal (CHOCHO) over China. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	73
89	Characterization of soluble bromide measurements and a case study of BrO observations during ARCTAS. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 1327-1338	6.8	22
88	Characteristics of tropospheric ozone depletion events in the Arctic spring: analysis of the ARCTAS, ARCPAC, and ARCIONS measurements and satellite BrO observations. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 9909-9922	6.8	33
87	Analysis of satellite-derived Arctic tropospheric BrO columns in conjunction with aircraft measurements during ARCTAS and ARCPAC. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 1255-1285	6.8	55
86	Summertime photochemistry during CAREBeijing-2007: RO <sub>2</sub> budgets and O <sub>3</sub> formation. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 7737-7752	6.8	123

85	Integration of remote sensing data and surface observations to estimate the impact of the Russian wildfires over Europe and Asia during August 2010. <i>Biogeosciences</i> , <b>2011</b> , 8, 3771-3791	4.6	27
84	Seasonal and spatial variability of surface ozone over China: contributions from background and domestic pollution. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 3511-3525	6.8	130
83	Comparison of chemical characteristics of 495 biomass burning plumes intercepted by the NASA DC-8 aircraft during the ARCTAS/CARB-2008 field campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 13325-13337	6.8	86
82	Nationwide summer peaks of OC/EC ratios in the contiguous United States. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 578-586	5.3	44
81	Diagnosis of an underestimation of summertime sulfate using the Community Multiscale Air Quality model. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 5119-5130	5.3	21
80	Sources, transport, and sinks of SO <sub>2</sub> over the equatorial Pacific during the Pacific Atmospheric Sulfur Experiment. <i>Journal of Atmospheric Chemistry</i> , <b>2011</b> , 68, 27-53	3.2	17
79	Pacific Atmospheric Sulfur Experiment (PASE): dynamics and chemistry of the south Pacific tropical trade wind regime. <i>Journal of Atmospheric Chemistry</i> , <b>2011</b> , 68, 5-25	3.2	12
78	NO <sub>x</sub> emission reduction and its effects on ozone during the 2008 Olympic Games. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 6404-10	10.3	48
77	Atmospheric chemistry results from the ANTICI 2005 Antarctic plateau airborne study. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		30
76	A study of tropospheric ozone column enhancements over North America using satellite data and a global chemical transport model. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		8
75	Impact of East Asian summer monsoon on the air quality over China: View from space. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		76
74	Indirect validation of tropospheric nitrogen dioxide retrieved from the OMI satellite instrument: Insight into the seasonal variation of nitrogen oxides at northern midlatitudes. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		181
73	Predicting response of fuel load to future changes in climate and atmospheric composition in the Southern United States. <i>Forest Ecology and Management</i> , <b>2010</b> , 260, 556-564	3.9	21
72	Assessment of secondary organic carbon in the Southeastern United States: a review. <i>Journal of the Air and Waste Management Association</i> , <b>2010</b> , 60, 1282-92	2.4	25
71	Evidence of reactive aromatics as a major source of peroxy acetyl nitrate over China. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 7017-22	10.3	69
70	Trans-Pacific transport of Asian dust and CO: accumulation of biomass burning CO in the subtropics and dipole structure of transport. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 3297-3308	6.8	17
69	Source attribution and interannual variability of Arctic pollution in spring constrained by aircraft (ARCTAS, ARCPAC) and satellite (AIRS) observations of carbon monoxide. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 977-996	6.8	168
68	Understanding the contributions of anthropogenic and biogenic sources to CO enhancements and outflow observed over North America and the western Atlantic Ocean by TES and MOPITT. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 2033-2042	5.3	9



67	Evaluation of model simulated atmospheric constituents with observations in the factor projected space: CMAQ simulations of SEARCH measurements. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 1839-1849	5.3	16
66	Assessment of biomass burning emissions and their impacts on urban and regional PM2.5: a Georgia case study. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 299-305	10.3	66
65	East China plains: a "basin" of ozone pollution. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 1911-1915	5.3	77
64	Assimilated inversion of NO <sub>x</sub> emissions over east Asia using OMI NO <sub>2</sub> column measurements. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	104
63	Ozone air quality during the 2008 Beijing Olympics: effectiveness of emission restrictions. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 5237-5251	6.8	168
62	Summertime impact of convective transport and lightning NO <sub>x</sub> production over North America: modeling dependence on meteorological simulations. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 4315-4327	6.8	54
61	Concentrations and sources of aerosol ions and trace elements during ANTCI-2003. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 2864-2876	5.3	30
60	A reassessment of Antarctic plateau reactive nitrogen based on ANTCI 2003 airborne and ground based measurements. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 2831-2848	5.3	70
59	Assessing the photochemical impact of snow NO <sub>x</sub> emissions over Antarctica during ANTCI 2003. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 2849-2863	5.3	17
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54	Springtime transitions of NO <sub>2</sub> , CO, and O <sub>3</sub> over North America: Model evaluation and analysis. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		50
53	Impacts of prescribed fires on air quality over the Southeastern United States in spring based on modeling and ground/satellite measurements. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 8401-8406	10.3	32
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51	Evaluation of model-simulated source contributions to tropospheric ozone with aircraft observations in the factor-projected space. <i>Atmospheric Chemistry and Physics</i> , <b>2008</b> , 8, 1751-1761	6.8	4
50	Long-term trend of surface ozone at a regional background station in eastern China 1991-2006: enhanced variability. <i>Atmospheric Chemistry and Physics</i> , <b>2008</b> , 8, 2595-2607	6.8	189

49	The effect of lightning NO <sub>x</sub> production on surface ozone in the continental United States. <i>Atmospheric Chemistry and Physics</i> , <b>2008</b> , 8, 5151-5159	6.8	45
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47	Source characteristics of oxygenated volatile organic compounds and hydrogen cyanide. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		39
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45	Characteristics and sources of PM <sub>2.5</sub> and carbonaceous species during winter in Taiyuan, China. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 6901-6908	5.3	94
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35	Atmospheric aerosol over two urban/rural pairs in the southeastern United States: Chemical composition and possible sources. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 4453-4470	5.3	104
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6	Analysis of satellite-derived Arctic tropospheric BrO columns in conjunction with aircraft measurements during ARCTAS and ARCPAC		1
5	Characterization of soluble bromide measurements and a case study of BrO observations during ARCTAS		2
4	Wintertime peroxyacetyl nitrate (PAN) in the megacity Beijing: the role of photochemical and meteorological processes		1
3	Summertime photochemistry during CAREBeijing-2007: RO <sub>2</sub> budgets and O <sub>3</sub> formation		4
2	10 yr spatial and temporal trends of PM <sub>2.5</sub> concentrations in the southeastern US estimated using high-resolution satellite data		3
1	Photochemistry of Volatile Organic Compounds in the Yellow River Delta, China: Formation of O <sub>3</sub> and Peroxyacetyl Nitrates. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021JD035296	4.4	2