D R Blake

List of Publications by Year
in descending order

558 papers	44,964 citations	1294 109 h-index	5364 164 g-index
634 all docs	634 docs citations	634 times ranked	20411 citing authors

#	Article	IF	Citations
1	Three decades of global methane sources and sinks. Nature Geoscience, 2013, 6, 813-823.	5.4	1,649
2	The Global Methane Budget 2000â€“2017. Earth System Science Data, 2020, 12, 1561-1623.	3.7	1,199
3	The global methane budget 2000â€“2012. Earth System Science Data, 2016, 8, 697-751.	3.7	824
4	Transport of Asian air pollution to North America. Geophysical Research Letters, 1999, 26, 711-714.	1.5	534
5	Physical, chemical, and optical properties of regional hazes dominated by smoke in Brazil. Journal of Geophysical Research, 1998, 103, 32059-32080.	3.3	432
6	Continuing Worldwide Increase in Tropospheric Methane, 1978 to 1987. Science, 1988, 239, 1129-1131.	6.0	424
7	Evidence from the Pacific troposphere for large global sources of oxygenated organic compounds. Nature, 2001, 410, 1078-1081.	13.7	364
8	Volatile organic compounds in 43 Chinese cities. Atmospheric Environment, 2005, 39, 5979-5990.	1.9	345
9	Air quality during the 2008 Beijing Olympics: secondary pollutants and regional impact. Atmospheric Chemistry and Physics, 2010, 10, 7603-7615.	1.9	344
10	Acetone in the atmosphere: Distribution, sources, and sinks. Journal of Geophysical Research, 1994, 99, 1805.	3.3	340
11	Origin of ozone and NOxin the tropical troposphere: A photochemical analysis of aircraft observations over the South Atlantic basin. Journal of Geophysical Research, 1996, 101, 24235-24250.	3.3	335
12	Description of the Analysis of a Wide Range of Volatile Organic Compounds in Whole Air Samples Collected during PEM-Tropics A and B. Analytical Chemistry, 2001, 73, 3723-3731.	3.2	309
13	Emission factors of hydrocarbons, halocarbons, trace gases and particles from biomass burning in Brazil. Journal of Geophysical Research, 1998, 103, 32107-32118.	3.3	305
14	Ground-level ozone in four Chinese cities: precursors, regional transport and heterogeneous processes. Atmospheric Chemistry and Physics, 2014, 14, 13175-13188.	1.9	305
15	Hydrocarbon and halocarbon measurements as photochemical and dynamical indicators of atmospheric hydroxyl, atomic chlorine, and vertical mixing obtained during Lagrangian flights. Journal of Geophysical Research, 1996, 101, 4331-4340.	3.3	303
16	ENERGY ANDMATERIALFLOWTHROUGH THEURBANECOSYSTEM. Annual Review of Environment and Resources, 2000, 25, 685-740.	1.2	302
17	Airborne measurement of OH reactivity during INTEX-B. Atmospheric Chemistry and Physics, 2009, 9, 163-173.	1.9	293
18	Urban Leakage of Liquefied Petroleum Gas and Its Impact on Mexico City Air Quality. Science, 1995, 269, 953-956.	6.0	286

#	Article	IF	Citations
19	The spontaneous combustion of coal and its by-products in the Witbank and Sasolburg coalfields of South Africa. International Journal of Coal Geology, 2007, 72, 124-140.	1.9	279
20	Global budget of methanol: Constraints from atmospheric observations. Journal of Geophysical Research, 2005, 110, .	3.3	263
21	Chemical data quantify Deepwater Horizon hydrocarbon flow rate and environmental distribution. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20246-20253.	3.3	258
22	Distribution and fate of selected oxygenated organic species in the troposphere and lower stratosphere over the Atlantic. Journal of Geophysical Research, 2000, 105, 3795-3805.	3.3	257
23	Potential impact of iodine on tropospheric levels of ozone and other critical oxidants. Journal of Geophysical Research, 1996, 101, 2135-2147.	3.3	256
24	Determination of urban volatile organic compound emission ratios and comparison with an emissions database. Journal of Geophysical Research, 2007, 112, .	3.3	254
25	Convective transport of biomass burning emissions over Brazil during TRACE A. Journal of Geophysical Research, 1996, 101, 23993-24012.	3.3	253
26	Monoaromatic compounds in ambient air of various cities: a focus on correlations between the xylenes and ethylbenzene. Atmospheric Environment, 2001, 35, 135-149.	1.9	243
27	Nitrogen oxides and PAN in plumes from boreal fires during ARCTAS-B and their impact on ozone: an integrated analysis of aircraft and satellite observations. Atmospheric Chemistry and Physics, 2010, 10, 9739-9760.	1.9	234
28	Space-based formaldehyde measurements as constraints on volatile organic compound emissions in east and south Asia and implications for ozone. Journal of Geophysical Research, 2007, 112, .	3.3	232
29	Analysis of the atmospheric distribution, sources, and sinks of oxygenated volatile organic chemicals based on measurements over the Pacific during TRACE-P. Journal of Geophysical Research, 2004, 109, .	3.3	228
30	Measurements of nonmethane hydrocarbons in 28 United States cities. Atmospheric Environment, 2008, 42, 170-182.	1.9	213
31	The Tropical Forest and Fire Emissions Experiment: overview and airborne fire emission factor measurements. Atmospheric Chemistry and Physics, 2007, 7, 5175-5196.	1.9	212
32	Boreal forest fire emissions in fresh Canadian smoke plumes: C₁-C₁₀ volatile organic compounds (VOCs), CO₂, CO, NO₂, NO, HCN and CH₃CN. Atmospheric Chemistry and Physics, 2011, 11, 6445-6463.	1.9	209
33	Evolution of gases and particles from a savanna fire in South Africa. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	208
34	Gaseous and Particulate Emissions from Prescribed Burning in Georgia. Environmental Science & Technology, 2005, 39, 9049-9056.	4.6	207
35	The tropical forest and fire emissions experiment: Emission, chemistry, and transport of biogenic volatile organic compounds in the lower atmosphere over Amazonia. Journal of Geophysical Research, 2007, 112, .	3.3	206
36	Emissions of black carbon, organic, and inorganic aerosols from biomass burning in North America and Asia in 2008. Journal of Geophysical Research, 2011, 116, .	3.3	206

#	Article	IF	Citations
37	Photochemistry in biomass burning plumes and implications for tropospheric ozone over the tropical South Atlantic. Journal of Geophysical Research, 1998, 103, 8401-8423.	3.3	204
38	Mixing ratios of volatile organic compounds (VOCs) in the atmosphere of Karachi, Pakistan. Atmospheric Environment, 2002, 36, 3429-3443.	1.9	204
39	Characterization of trace gases measured over Alberta oil sands mining operations: 76 speciated C₂â€“C₁₀ volatile organic compounds (VOCs), CO₂, CH₄, CO, NO, NO₂, NO_y, O₃ and SO₂. Atmospheric Chemistry and Physics, 2010, 10, 11931-11954.	1.9	198
40	Asian outflow and trans-Pacific transport of carbon monoxide and ozone pollution: An integrated satellite, aircraft, and model perspective. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	196
41	Photosynthetic Control of Atmospheric Carbonyl Sulfide During the Growing Season. Science, 2008, 322, 1085-1088.	6.0	196
42	Bromine and iodine chemistry in a global chemistry-climate model: description and evaluation of very short-lived oceanic sources. Atmospheric Chemistry and Physics, 2012, 12, 1423-1447.	1.9	193
43	Evolution of mixing state of black carbon particles: Aircraft measurements over the western Pacific in March 2004. Geophysical Research Letters, 2007, 34, .	1.5	191
44	The Chemistry Mechanism in the Community Earth System Model Version 2 (CESM2). Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001882.	1.3	189
45	Biomass burning emissions and vertical distribution of atmospheric methyl halides and other reduced carbon gases in the South Atlantic region. Journal of Geophysical Research, 1996, 101, 24151-24164.	3.3	186
46	Airborne measurements of western U.S. wildfire emissions: Comparison with prescribed burning and air quality implications. Journal of Geophysical Research D: Atmospheres, 2017, 122, 6108-6129.	1.2	184
47	Methane emissions from the 2015 Aliso Canyon blowout in Los Angeles, CA. Science, 2016, 351, 1317-1320.	6.0	183
48	Regional-scale chemical transport modeling in support of the analysis of observations obtained during the TRACE-P experiment. Journal of Geophysical Research, 2003, 108, .	3.3	182
49	Processes influencing ozone levels in Alaskan forest fire plumes during long-range transport over the North Atlantic. Journal of Geophysical Research, 2007, 112, .	3.3	182
50	Distributions of brominated organic compounds in the troposphere and lower stratosphere. Journal of Geophysical Research, 1999, 104, 21513-21535.	3.3	179
51	Photochemistry of HOxin the upper troposphere at northern midlatitudes. Journal of Geophysical Research, 2000, 105, 3877-3892.	3.3	173
52	Breath Ethanol and Acetone as Indicators of Serum Glucose Levels: An Initial Report. Diabetes Technology and Therapeutics, 2005, 7, 115-123.	2.4	173
53	Organic nitrate chemistry and its implications for nitrogen budgets in an isoprene- and monoterpene-rich atmosphere: constraints from aircraft (SEAC⁴RS) and ground-based (SOAS) observations in the Southeast US. Atmospheric Chemistry and Physics, 2016, 16, 5969-5991.	1.9	173
54	Formaldehyde distribution over North America: Implications for satellite retrievals of formaldehyde columns and isoprene emission. Journal of Geophysical Research, 2006, 111, .	3.3	172

#	Article	IF	Citations
55	Reactive nitrogen and ozone over the western Pacific: Distribution, partitioning, and sources. Journal of Geophysical Research, 1996, 101, 1793-1808.	3.3	171
56	NMHCs and halocarbons in Asian continental outflow during the Transport and Chemical Evolution over the Pacific (TRACE-P) Field Campaign: Comparison With PEM-West B. Journal of Geophysical Research, 2003, 108, .	3.3	171
57	Measurements of reactive trace gases and variable O₃ formation rates in some South Carolina biomass burning plumes. Atmospheric Chemistry and Physics, 2013, 13, 1141-1165.	1.9	170
58	Tropospheric volatile organic compounds in China. Science of the Total Environment, 2017, 574, 1021-1043.	3.9	169
59	Oxidative capacity and radical chemistry in the polluted atmosphere of Hong Kong and Pearl River Delta region: analysis of a severe photochemical smog episode. Atmospheric Chemistry and Physics, 2016, 16, 9891-9903.	1.9	168
60	Reduced methane growth rate explained by decreased Northern Hemisphere microbial sources. Nature, 2011, 476, 194-197.	13.7	167
61	Quantifying sources of methane using light alkanes in the Los Angeles basin, California. Journal of Geophysical Research D: Atmospheres, 2013, 118, 4974-4990.	1.2	167
62	Global budget of ethane and regional constraints on U.S. sources. Journal of Geophysical Research, 2008, 113, .	3.3	164
63	Influence of plumes from biomass burning on atmospheric chemistry over the equatorial and tropical South Atlantic during CITE 3. Journal of Geophysical Research, 1994, 99, 12793.	3.3	163
64	HO_x chemistry during INTEXâ€A 2004: Observation, model calculation, and comparison with previous studies. Journal of Geophysical Research, 2008, 113, .	3.3	163
65	Organic Aerosol Formation Downwind from the Deepwater Horizon Oil Spill. Science, 2011, 331, 1295-1299.	6.0	162
66	Long-term decline of global atmospheric ethane concentrations and implications for methane. Nature, 2012, 488, 490-494.	13.7	161
67	Field measurements of trace gases and aerosols emitted by peat fires in Central Kalimantan, Indonesia, during the 2015 El NiÃ±o. Atmospheric Chemistry and Physics, 2016, 16, 11711-11732.	1.9	161
68	Evaluating regional emission estimates using the TRACE-P observations. Journal of Geophysical Research, 2003, 108, .	3.3	158
69	Comprehensive laboratory measurements of biomass-burning emissions: 2. First intercomparison of open-path FTIR, PTR-MS, and GC-MS/FID/ECD. Journal of Geophysical Research, 2004, 109, .	3.3	158
70	Ambient mixing ratios of nonmethane hydrocarbons (NMHCs) in two major urban centers of the Pearl River Delta (PRD) region: Guangzhou and Dongguan. Atmospheric Environment, 2008, 42, 4393-4408.	1.9	157
71	Estimating the climate significance of halogen-driven ozone loss in the tropical marine troposphere. Atmospheric Chemistry and Physics, 2012, 12, 3939-3949.	1.9	157
72	Low ozone in the marine boundary layer of the tropical Pacific Ocean: Photochemical loss, chlorine atoms, and entrainment. Journal of Geophysical Research, 1996, 101, 1907-1917.	3.3	156

#	Article	IF	Citations
73	Recent decreases in fossil-fuel emissions of ethane and methane derived from firn air. Nature, 2011, 476, 198-201.	13.7	156
74	Secondary Organic Aerosol Formation from in-Use Motor Vehicle Emissions Using a Potential Aerosol Mass Reactor. Environmental Science & Technology, 2014, 48, 11235-11242.	4.6	154
75	Emissions of trace gases and particles from savanna fires in southern Africa. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	153
76	Methyl iodide: Atmospheric budget and use as a tracer of marine convection in global models. Journal of Geophysical Research, 2002, 107, ACH 8-1-ACH 8-12.	3.3	152
77	Global increase in atmospheric methane concentrations between 1978 and 1980. Geophysical Research Letters, 1982, 9, 477-480.	1.5	150
78	Seasonal changes in the transport of pollutants into the Arctic troposphere-model study. Journal of Geophysical Research, 2003, 108, .	3.3	150
79	Impaired Glucose Tolerance, but not Impaired Fasting Glucose, Is Associated With Increased Levels of Coronary Heart Disease Risk Factors: Results From the Baltimore Longitudinal Study on Aging. Diabetes, 2004, 53, 2095-2100.	0.3	149
80	Evolution of mixing state of black carbon in polluted air from Tokyo. Geophysical Research Letters, 2007, 34, .	1.5	149
81	Assessment of ozone photochemistry in the western North Pacific as inferred from PEM-West A observations during the fall 1991. Journal of Geophysical Research, 1996, 101, 2111-2134.	3.3	147
82	Finding the missing stratospheric Br_y: a global modeling study of CHBr₃ and CH₂Br₂. Atmospheric Chemistry and Physics, 2010, 10, 2269-2286.	1.9	147
83	In situ measurements of HCN and CH3CN over the Pacific Ocean: Sources, sinks, and budgets. Journal of Geophysical Research, 2003, 108, .	3.3	146
84	Hydrocarbon ratios during PEM-WEST A: A model perspective. Journal of Geophysical Research, 1996, 101, 2087-2109.	3.3	144
85	Aerosols from biomass burning over the tropical South Atlantic region: Distributions and impacts. Journal of Geophysical Research, 1996, 101, 24117-24137.	3.3	143
86	Vehicular emission of volatile organic compounds (VOCs) from a tunnel study in Hong Kong. Atmospheric Chemistry and Physics, 2009, 9, 7491-7504.	1.9	143
87	Ozone production and hydrocarbon reactivity in Hong Kong, Southern China. Atmospheric Chemistry and Physics, 2007, 7, 557-573.	1.9	141
88	On the origin of tropospheric ozone and NOxover the tropical South Pacific. Journal of Geophysical Research, 1999, 104, 5829-5843.	3.3	140
89	Effects of mixing on evolution of hydrocarbon ratios in the troposphere. Journal of Geophysical Research, 2007, 112, .	3.3	140
90	Biomass burning and urban air pollution over the Central Mexican Plateau. Atmospheric Chemistry and Physics, 2009, 9, 4929-4944.	1.9	138

#	Article	IF	Citations
91	Exhaled methyl nitrate as a noninvasive marker of hyperglycemia in type 1 diabetes. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 15613-15618.	3.3	134
92	Emission characteristics of CO, NOx, SO2and indications of biomass burning observed at a rural site in eastern China. Journal of Geophysical Research, 2002, 107, ACH 9-1.	3.3	133
93	Distribution of halon-1211 in the upper troposphere and lower stratosphere and the 1994 total bromine budget. Journal of Geophysical Research, 1998, 103, 1513-1526.	3.3	131
94	Chemical evolution of volatile organic compounds in the outflow of the Mexico City Metropolitan area. Atmospheric Chemistry and Physics, 2010, 10, 2353-2375.	1.9	131
95	Nepal Ambient Monitoring and Source Testing Experiment (NAMaSTE): emissions of trace gases and light-absorbing carbon from wood and dung cooking fires, garbage and crop residue burning, brick kilns, and other sources. Atmospheric Chemistry and Physics, 2016, 16, 11043-11081.	1.9	131
96	Three-dimensional distribution of nonmenthane hydrocarbons and halocarbons over the northwestern Pacific during the 1991 Pacific Exploratory Mission (PEM-West A). Journal of Geophysical Research, 1996, 101, 1763-1778.	3.3	130
97	Extensive regional atmospheric hydrocarbon pollution in the southwestern United States. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11975-11979.	3.3	129
98	Biogenic versus anthropogenic sources of CO in the United States. Geophysical Research Letters, 2008, 35, .	1.5	128
99	Concurrent observations of air pollutants at two sites in the Pearl River Delta and the implication of regional transport. Atmospheric Chemistry and Physics, 2009, 9, 7343-7360.	1.9	128
100	Summertime photochemistry of the troposphere at high northern latitudes. Journal of Geophysical Research, 1992, 97, 16421-16431.	3.3	127
101	Measurements of volatile organic compounds at a suburban ground site (T1) in Mexico City during the MILAGRO 2006 campaign: measurement comparison, emission ratios, and source attribution. Atmospheric Chemistry and Physics, 2011, 11, 2399-2421.	1.9	127
102	On the Sources of Methane to the Los Angeles Atmosphere. Environmental Science & Technology, 2012, 46, 9282-9289.	4.6	126
103	Mapping of North American methane emissions with high spatial resolution by inversion of SCIAMACHY satellite data. Journal of Geophysical Research D: Atmospheres, 2014, 119, 7741-7756.	1.2	126
104	Increasing External Effects Negate Local Efforts to Control Ozone Air Pollution: A Case Study of Hong Kong and Implications for Other Chinese Cities. Environmental Science & Technology, 2014, 48, 10769-10775.	4.6	125
105	Effects of biomass burning on summertime nonmethane hydrocarbon concentrations in the Canadian wetlands. Journal of Geophysical Research, 1994, 99, 1699.	3.3	124
106	Distribution and seasonality of selected hydrocarbons and halocarbons over the western Pacific basin during PEM-West A and PEM-West B. Journal of Geophysical Research, 1997, 102, 28315-28331.	3.3	123
107	Assessment of upper tropospheric HOxsources over the tropical Pacific based on NASA GTE/PEM data: Net effect on HOxand other photochemical parameters. Journal of Geophysical Research, 1999, 104, 16255-16273.	3.3	123
108	Tropospheric hydroxyl and atomic chlorine concentrations, and mixing timescales determined from hydrocarbon and halocarbon measurements made over the Southern Ocean. Journal of Geophysical Research, 1999, 104, 21819-21828.	3.3	122

#	Article	IF	Citations
109	Atmospheric chemistry in the Arctic and subarctic: Influence of natural fires, industrial emissions, and stratospheric inputs. Journal of Geophysical Research, 1992, 97, 16731-16746.	3.3	120
110	Radiative impact of mixing state of black carbon aerosol in Asian outflow. Journal of Geophysical Research, 2008, 113, .	3.3	120
111	Source attributions of hazardous aromatic hydrocarbons in urban, suburban and rural areas in the Pearl River Delta (PRD) region. Journal of Hazardous Materials, 2013, 250-251, 403-411.	6.5	120
112	Characteristics of nonmethane hydrocarbons (NMHCs) in industrial, industrial-urban, and industrial-suburban atmospheres of the Pearl River Delta (PRD) region of south China. Journal of Geophysical Research, 2006, 111, .	3.3	119
113	Multi-instrument comparison and compilation of non-methane organic gas emissions from biomass burning and implications for smoke-derived secondary organic aerosol precursors. Atmospheric Chemistry and Physics, 2017, 17, 1471-1489.	1.9	119
114	Emissions of volatile organic compounds inferred from airborne flux measurements over a megacity. Atmospheric Chemistry and Physics, 2009, 9, 271-285.	1.9	118
115	Observations of nitryl chloride and modeling its source and effect on ozone in the planetary boundary layer of southern China. Journal of Geophysical Research D: Atmospheres, 2016, 121, 2476-2489.	1.2	118
116	Global airborne sampling reveals a previously unobserved dimethyl sulfide oxidation mechanism in the marine atmosphere. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4505-4510.	3.3	118
117	A new interpretation of total column BrO during Arctic spring. Geophysical Research Letters, 2010, 37, .	1.5	116
118	Chemical characteristics of continental outflow from Asia to the troposphere over the western Pacific Ocean during February-March 1994: Results from PEM-West B. Journal of Geophysical Research, 1997, 102, 28255-28274.	3.3	115
119	Gaseous emissions and sublimates from the Truman Shepherd coal fire, Floyd County, Kentucky: A re-investigation following attempted mitigation of the fire. International Journal of Coal Geology, 2013, 116-117, 63-74.	1.9	115
120	Global atmospheric concentrations and source strength of ethane. Nature, 1986, 321, 231-233.	13.7	114
121	Direct Measurements of the Convective Recycling of the Upper Troposphere. Science, 2007, 315, 816-820.	6.0	114
122	Emission and chemistry of organic carbon in the gas and aerosol phase at a sub-urban site near Mexico City in March 2006 during the MILAGRO study. Atmospheric Chemistry and Physics, 2009, 9, 3425-3442.	1.9	114
123	Breath gas metabolites and bacterial metagenomes from cystic fibrosis airways indicate active pH neutral 2,3-butanedione fermentation. ISME Journal, 2014, 8, 1247-1258.	4.4	114
124	Bromoform and dibromomethane in the tropics: a 3-D model study of chemistry and transport. Atmospheric Chemistry and Physics, 2010, 10, 719-735.	1.9	112
125	Methane emissions inventory verification in southern California. Atmospheric Environment, 2010, 44, 1-7.	1.9	112
126	Comparative Oxidation and Net Emissions of Methane and Selected Non-Methane Organic Compounds in Landfill Cover Soils. Environmental Science & Technology, 2003, 37, 5150-5158.	4.6	111

#	Article	IF	Citations
127	Convective injection and photochemical decay of peroxides in the tropical upper troposphere: Methyl iodide as a tracer of marine convection. Journal of Geophysical Research, 1999, 104, 5717-5724.	3.3	110
128	Rethinking reactive halogen budgets in the midlatitude lower stratosphere. Geophysical Research Letters, 1999, 26, 1699-1702.	1.5	110
129	Dimethyl sulfide oxidation in the equatorial Pacific: Comparison of model simulations with field observations for DMS, SO2, H2SO4(g), MSA(g), MS and NSS. Journal of Geophysical Research, 1999, 104, 5765-5784.	3.3	107
130	Atmospheric emissions from the Deepwater Horizon spill constrain air-water partitioning, hydrocarbon fate, and leak rate. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	107
131	VOCs and OVOCs distribution and control policy implications in Pearl River Delta region, China. Atmospheric Environment, 2013, 76, 125-135.	1.9	107
132	Measurements of OH and HO₂ concentrations during the MCMA-2006 field campaign â€“ Part 2: Model comparison and radical budget. Atmospheric Chemistry and Physics, 2009, 9, 6655-6675.	1.9	105
133	Secondary organic aerosol production from local emissions dominates the organic aerosol budget over Seoul, South Korea, during KORUS-AQ. Atmospheric Chemistry and Physics, 2018, 18, 17769-17800.	1.9	105
134	Seasonal variation of the transport of black carbon aerosol from the Asian continent to the Arctic during the ARCTAS aircraft campaign. Journal of Geophysical Research, 2011, 116, .	3.3	104
135	Meridional distributions of NOx, NOy, and other species in the lower stratosphere and upper troposphere during AASE II. Geophysical Research Letters, 1994, 21, 2583-2586.	1.5	103
136	Influence of biomass burning during recent fluctuations in the slow growth of global tropospheric methane. Geophysical Research Letters, 2006, 33, .	1.5	103
137	Reactive nitrogen distribution and partitioning in the North American troposphere and lowermost stratosphere. Journal of Geophysical Research, 2007, 112, .	3.3	102
138	Chemical characterization of the boundary layer outflow of air pollution to Hong Kong during Februaryâ€“April 2001. Journal of Geophysical Research, 2003, 108, .	3.3	101
139	Biomass burning emission inventory with daily resolution: Application to aircraft observations of Asian outflow. Journal of Geophysical Research, 2003, 108, .	3.3	100
140	The glyoxal budget and its contribution to organic aerosol for Los Angeles, California, during CalNex 2010. Journal of Geophysical Research, 2011, 116, .	3.3	99
141	Measurements of Pollution in the Troposphere (MOPITT) validation exercises during summer 2004 field campaigns over North America. Journal of Geophysical Research, 2007, 112, .	3.3	98
142	Long-term O₃â€“precursor relationships in Hong Kong: field observation and model simulation. Atmospheric Chemistry and Physics, 2017, 17, 10919-10935.	1.9	98
143	Airborne and groundâ€based observations of a weekend effect in ozone, precursors, and oxidation products in the California South Coast Air Basin. Journal of Geophysical Research, 2012, 117, .	3.3	97
144	World-wide increase in tropospheric methane, 1978?1983. Journal of Atmospheric Chemistry, 1986, 4, 43-62.	1.4	96

#	Article	IF	Citations
145	Atmospheric measurements of peroxyacetyl nitrate and other organic nitrates at high latitudes: Possible sources and sinks. Journal of Geophysical Research, 1992, 97, 16511-16522.	3.3	96
146	Relationships of trace gases and aerosols and the emission characteristics at Lin'an, a rural site in eastern China, during spring 2001. Journal of Geophysical Research, 2004, 109, .	3.3	96
147	Airborne measurements of organosulfates over the continental U.S.. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2990-3005.	1.2	96
148	Characteristics and influence of biosmoke on the fine-particle ionic composition measured in Asian outflow during the Transport and Chemical Evolution Over the Pacific (TRACE-P) experiment. Journal of Geophysical Research, 2003, 108, .	3.3	95
149	Measurements of Trace Gases in the Inflow of South China Sea Background Air and Outflow of Regional Pollution at Tai O, Southern China. Journal of Atmospheric Chemistry, 2005, 52, 295-317.	1.4	95
150	Total observed organic carbon (TOOC) in the atmosphere: a synthesis of North American observations. Atmospheric Chemistry and Physics, 2008, 8, 2007-2025.	1.9	94
151	Agricultural fires in the southeastern U.S. during SEAC⁴RS: Emissions of trace gases and particles and evolution of ozone, reactive nitrogen, and organic aerosol. Journal of Geophysical Research D: Atmospheres, 2016, 121, 7383-7414.	1.2	93
152	Photochemically induced production of CH3Br, CH3I, C2H5I, ethene, and propene within surface snow at Summit, Greenland. Atmospheric Environment, 2002, 36, 2671-2682.	1.9	92
153	Photostationary state analysis of the NO2-NO system based on airborne observations from the western and central North Pacific. Journal of Geophysical Research, 1996, 101, 2053-2072.	3.3	91
154	A reassessment of HOx South Pole chemistry based on observations recorded during ISCAT 2000. Atmospheric Environment, 2004, 38, 5451-5461.	1.9	91
155	Atmospheric emissions and attenuation of non-methane organic compounds in cover soils at a French landfill. Waste Management, 2008, 28, 1892-1908.	3.7	91
156	Airborne observations of total RONO₂: new constraints on the yield and lifetime of isoprene nitrates. Atmospheric Chemistry and Physics, 2009, 9, 1451-1463.	1.9	91
157	Spatial and temporal variability of nonmethane hydrocarbon mixing ratios and their relation to photochemical lifetime. Journal of Geophysical Research, 1998, 103, 13557-13567.	3.3	90
158	Chlorine as a primary radical: evaluation of methods to understand its role in initiation of oxidative cycles. Atmospheric Chemistry and Physics, 2014, 14, 3427-3440.	1.9	90
159	Aircraft measurements of the latitudinal, vertical, and seasonal variations of NMHCs, methyl nitrate, methyl halides, and DMS during the First Aerosol Characterization Experiment (ACE 1). Journal of Geophysical Research, 1999, 104, 21803-21817.	3.3	88
160	Upper tropospheric ozone production from lightning NO_xâ€impacted convection: Smoke ingestion case study from the DC3 campaign. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2505-2523.	1.2	88
161	Comparison of free tropospheric western Pacific air mass classification schemes for the PEM-West A experiment. Journal of Geophysical Research, 1996, 101, 1743-1762.	3.3	87
162	A reassessment of Antarctic plateau reactive nitrogen based on ANTCI 2003 airborne and ground based measurements. Atmospheric Environment, 2008, 42, 2831-2848.	1.9	87

#	Article	IF	Citations
163	Gas emissions, minerals, and tars associated with three coal fires, Powder River Basin, USA. Science of the Total Environment, 2012, 420, 146-159.	3.9	87
164	New insights into the column CH₂O/NO₂ ratio as an indicator of nearâ€surface ozone sensitivity. Journal of Geophysical Research D: Atmospheres, 2017, 122, 8885-8907.	1.2	87
165	Trace gas mixing ratio variability versus lifetime in the troposphere and stratosphere: Observations. Journal of Geophysical Research, 1999, 104, 16091-16113.	3.3	86
166	Summertime influence of Asian pollution in the free troposphere over North America. Journal of Geophysical Research, 2007, 112, .	3.3	86
167	Spatial and temporal variations of aerosols around Beijing in summer 2006: Model evaluation and source apportionment. Journal of Geophysical Research, 2009, 114, .	3.3	86
168	Variability and quasi-decadal changes in the methane budget over the period 2000â€“2012. Atmospheric Chemistry and Physics, 2017, 17, 11135-11161.	1.9	85
169	Origin of tropospheric ozone at remote high northern latitudes in summer. Journal of Geophysical Research, 1996, 101, 4175-4188.	3.3	84
170	Impacts of aerosols and clouds on photolysis frequencies and photochemistry during TRACE-P: 2. Three-dimensional study using a regional chemical transport model. Journal of Geophysical Research, 2003, 108, .	3.3	84
171	Vehicular fuel composition and atmospheric emissions in South China: Hong Kong, Macau, Guangzhou, and Zhuhai. Atmospheric Chemistry and Physics, 2006, 6, 3281-3288.	1.9	84
172	Ambient halocarbon mixing ratios in 45 Chinese cities. Atmospheric Environment, 2006, 40, 7706-7719.	1.9	84
173	Enhancement of acidic gases in biomass burning impacted air masses over Canada. Journal of Geophysical Research, 1994, 99, 1721.	3.3	83
174	An assessment of ozone photochemistry in the extratropical western North Pacific: Impact of continental outflow during the late winter/early spring. Journal of Geophysical Research, 1997, 102, 28469-28487.	3.3	83
175	Characteristics of biomass burning emission sources, transport, and chemical speciation in enhanced springtime tropospheric ozone profile over Hong Kong. Journal of Geophysical Research, 2003, 108, ACH 3-1.	3.3	82
176	Coupled evolution of BrOx-ClOx-HOx-NOxchemistry during bromine-catalyzed ozone depletion events in the arctic boundary layer. Journal of Geophysical Research, 2003, 108, .	3.3	82
177	Impact of Mexico City emissions on regional air quality from MOZART-4 simulations. Atmospheric Chemistry and Physics, 2010, 10, 6195-6212.	1.9	82
178	Changing concentrations of CO, CH4, C5H8, CH3Br, CH3I, and dimethyl sulfide during the Southern Ocean Iron Enrichment Experiments. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8537-8541.	3.3	81
179	Summertime measurements of selected nonmethane hydrocarbons in the Arctic and Subarctic during the 1988 Arctic Boundary Layer Expedition (ABLE 3A). Journal of Geophysical Research, 1992, 97, 16559-16588.	3.3	80
180	Latitudinal, vertical, and seasonal variations of C1-C4alkyl nitrates in the troposphere over the Pacific Ocean during PEM-Tropics A and B: Oceanic and continental sources. Journal of Geophysical Research, 2003, 108, .	3.3	80

#	Article	IF	Citations
181	Impacts of biomass burning in Southeast Asia on ozone and reactive nitrogen over the western Pacific in spring. Journal of Geophysical Research, 2004, 109, .	3.3	80
182	Observations of nonmethane organic compounds during ARCTAS â˜' Part 1: Biomass burning emissions and plume enhancements. Atmospheric Chemistry and Physics, 2011, 11, 11103-11130.	1.9	80
183	Observations of ozone and related species in the northeast Pacific during the PHOBEA campaigns: 1. Ground-based observations at Cheeka Peak. Journal of Geophysical Research, 2001, 106, 7449-7461.	3.3	79
184	Air quality implications of theDeepwater Horizonoil spill. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20280-20285.	3.3	79
185	Constraints on Aerosol Nitrate Photolysis as a Potential Source of HONO and NO_x. Environmental Science & Technology, 2018, 52, 13738-13746.	4.6	79
186	Origin of tropospheric NOxover subarctic eastern Canada in summer. Journal of Geophysical Research, 1994, 99, 16867.	3.3	78
187	Export of anthropogenic reactive nitrogen and sulfur compounds from the East Asia region in spring. Journal of Geophysical Research, 2003, 108, .	3.3	78
188	Impact of organic nitrates on urban ozone production. Atmospheric Chemistry and Physics, 2011, 11, 4085-4094.	1.9	78
189	Nighttime chemistry at a high altitude site above Hong Kong. Journal of Geophysical Research D: Atmospheres, 2016, 121, 2457-2475.	1.2	78
190	Large-scale air mass characteristics observed over western Pacific during summertime. Journal of Geophysical Research, 1996, 101, 1691-1712.	3.3	77
191	Sources and photochemistry of volatile organic compounds in the remote atmosphere of western China: results from the Mt. Waliguan Observatory. Atmospheric Chemistry and Physics, 2013, 13, 8551-8567.	1.9	77
192	Model study of tropospheric trace species distributions during PEM-West A. Journal of Geophysical Research, 1996, 101, 2073-2085.	3.3	76
193	Atmospheric Chemistry of Sulfuryl Fluoride: Reaction with OH Radicals, Cl Atoms and O₃, Atmospheric Lifetime, IR Spectrum, and Global Warming Potential. Environmental Science & Technology, 2009, 43, 1067-1070.	4.6	76
194	Noninvasive measurement of plasma glucose from exhaled breath in healthy and type 1 diabetic subjects. American Journal of Physiology - Endocrinology and Metabolism, 2011, 300, E1166-E1175.	1.8	76
195	Observations of total RONO₂ over the boreal forest: NO_x sinks and HNO₃ sources. Atmospheric Chemistry and Physics, 2013, 13, 4543-4562.	1.9	76
196	The future of airborne sulfur-containing particles in the absence of fossil fuel sulfur dioxide emissions. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 13514-13519.	3.3	76
197	Chemical characteristics of continental outflow from Asia to the troposphere over the western Pacific Ocean during September-October 1991: Results from PEM-West A. Journal of Geophysical Research, 1996, 101, 1713-1725.	3.3	75
198	Chemical characteristics of continental outflow over the tropical South Atlantic Ocean from Brazil and Africa. Journal of Geophysical Research, 1996, 101, 24187-24202.	3.3	75

#	Article	IF	Citations
199	Ozone depletion events observed in the high latitude surface layer during the TOPSE aircraft program. Journal of Geophysical Research, 2003, 108, TOP 4-1.	3.3	75
200	Hydrogen peroxide and methylhydroperoxide distributions related to ozone and odd hydrogen over the North Pacific in the fall of 1991. Journal of Geophysical Research, 1996, 101, 1891-1905.	3.3	74
201	Bromine oxide-ozone interaction over the Dead Sea. Journal of Geophysical Research, 2001, 106, 10375-10387.	3.3	74
202	The Tiptop coal-mine fire, Kentucky: Preliminary investigation of the measurement of mercury and other hazardous gases from coal-fire gas vents. International Journal of Coal Geology, 2009, 80, 63-67.	1.9	74
203	Aromatic hydrocarbons as ozone precursors before and after outbreak of the 2008 financial crisis in the Pearl River Delta region, south China. Journal of Geophysical Research, 2012, 117, .	3.3	74
204	Decadal changes in emissions of volatile organic compounds (VOCs) from on-road vehicles with intensified automobile pollution control: Case study in a busy urban tunnel in south China. Environmental Pollution, 2018, 233, 806-819.	3.7	74
205	TRACE A trajectory intercomparison: 2. Isentropic and kinematic methods. Journal of Geophysical Research, 1996, 101, 23927-23939.	3.3	73
206	Synoptic-scale transport of reactive nitrogen over the western Pacific in spring. Journal of Geophysical Research, 2003, 108, .	3.3	73
207	Hydrocarbon emissions from a modern commercial airliner. Atmospheric Environment, 2006, 40, 3601-3612.	1.9	72
208	Variability of submicron aerosol observed at a rural site in Beijing in the summer of 2006. Journal of Geophysical Research, 2009, 114, .	3.3	72
209	Characterization of photochemical pollution at different elevations in mountainous areas in Hong Kong. Atmospheric Chemistry and Physics, 2013, 13, 3881-3898.	1.9	72
210	Airborne measurement of inorganic ionic components of fine aerosol particles using the particle-into-liquid sampler coupled to ion chromatography technique during ACE-Asia and TRACE-P. Journal of Geophysical Research, 2003, 108, .	3.3	71
211	Testing fast photochemical theory during TRACE-P based on measurements of OH, HO2, and CH2O. Journal of Geophysical Research, 2004, 109, .	3.3	71
212	New mineral occurrences and mineralization processes: Wuda coal-fire gas vents of Inner Mongolia. American Mineralogist, 2005, 90, 1729-1739.	0.9	71
213	On the use of hydrocarbons for the determination of tropospheric OH concentrations. Journal of Geophysical Research, 1998, 103, 18981-18997.	3.3	70
214	Atmospheric benzene observations from oil and gas production in the Denverâ€Julesburg Basin in July and August 2014. Journal of Geophysical Research D: Atmospheres, 2016, 121, 11,055.	1.2	70
215	Seasonal variations in the atmospheric distribution of a reactive chlorine compound, tetrachloroethene (CCl2=CCl2). Geophysical Research Letters, 1995, 22, 1097-1100.	1.5	69
216	Chemical composition of Asian continental outflow over the western Pacific: Results from Transport and Chemical Evolution over the Pacific (TRACE-P). Journal of Geophysical Research, 2003, 108, .	3.3	69

#	Article	IF	Citations
217	A large terrestrial source of methyl iodide. Geophysical Research Letters, 2007, 34, .	1.5	69
218	Chemical characterization of waterâ€soluble organic carbon aerosols at a rural site in the Pearl River Delta, China, in the summer of 2006. Journal of Geophysical Research, 2009, 114, .	3.3	69
219	Molecular composition of particulate matter emissions from dung and brushwood burning household cookstoves in Haryana, India. Atmospheric Chemistry and Physics, 2018, 18, 2461-2480.	1.9	69
220	Large-scale distributions of tropospheric nitric, formic, and acetic acids over the western Pacific basin during wintertime. Journal of Geophysical Research, 1997, 102, 28303-28313.	3.3	68
221	Profiles and partitioning of reactive nitrogen over the Pacific Ocean in winter and early spring. Journal of Geophysical Research, 1997, 102, 28405-28424.	3.3	68
222	Contribution of biomass and biofuel emissions to trace gas distributions in Asia during the TRACE-P experiment. Journal of Geophysical Research, 2003, 108, .	3.3	68
223	Airborne tunable diode laser measurements of formaldehyde during TRACE-P: Distributions and box model comparisons. Journal of Geophysical Research, 2003, 108, .	3.3	68
224	Summertime distribution of PAN and other reactive nitrogen species in the northern high-latitude atmosphere of eastern Canada. Journal of Geophysical Research, 1994, 99, 1821.	3.3	67
225	OH and HO2chemistry in the North Atlantic free troposphere. Geophysical Research Letters, 1999, 26, 3077-3080.	1.5	67
226	Eastern Asian emissions of anthropogenic halocarbons deduced from aircraft concentration data. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	67
227	Source attributions of pollution to the Western Arctic during the NASA ARCTAS field campaign. Atmospheric Chemistry and Physics, 2013, 13, 4707-4721.	1.9	67
228	Atomic chlorine concentrations derived from ethane and hydroxyl measurements over the equatorial Pacific Ocean: Implication for dimethyl sulfide and bromine monoxide. Journal of Geophysical Research, 2005, 110, .	3.3	66
229	Observations and Explicit Modeling of Summertime Carbonyl Formation in Beijing: Identification of Key Precursor Species and Their Impact on Atmospheric Oxidation Chemistry. Journal of Geophysical Research D: Atmospheres, 2018, 123, 1426-1440.	1.2	66
230	Influence of regional-scale anthropogenic emissions on CO2distributions over the western North Pacific. Journal of Geophysical Research, 2003, 108, .	3.3	65
231	Influences of biomass burning during the Transport and Chemical Evolution Over the Pacific (TRACE-P) experiment identified by the regional chemical transport model. Journal of Geophysical Research, 2003, 108, .	3.3	65
232	Revisiting the effectiveness of HCHO/NO2 ratios for inferring ozone sensitivity to its precursors using high resolution airborne remote sensing observations in a high ozone episode during the KORUS-AQ campaign. Atmospheric Environment, 2020, 224, 117341.	1.9	65
233	Influence of southern hemispheric biomass burning on midtropospheric distributions of nonmethane hydrocarbons and selected halocarbons over the remote South Pacific.. Journal of Geophysical Research, 1999, 104, 16213-16232.	3.3	64
234	Seasonal differences in the photochemistry of the South Pacific: A comparison of observations and model results from PEM-Tropics A and B. Journal of Geophysical Research, 2001, 106, 32749-32766.	3.3	64

#	Article	IF	Citations
235	Seasonal variations of C2â€“C4nonmethane hydrocarbons and C1â€“C4alkyl nitrates at the Summit research station in Greenland. Journal of Geophysical Research, 2003, 108, .	3.3	64
236	Evolution of submicron organic aerosol in polluted air exported from Tokyo. Geophysical Research Letters, 2006, 33, .	1.5	64
237	Characterization of volatile organic compounds at a roadside environment in Hong Kong: An investigation of influences after air pollution control strategies. Atmospheric Environment, 2015, 122, 809-818.	1.9	64
238	Factors influencing the upper free tropospheric distribution of reactive nitrogen over the South Atlantic during the TRACE A experiment. Journal of Geophysical Research, 1996, 101, 24165-24186.	3.3	63
239	Large-scale latitudinal and vertical distributions of NMHCs and selected halocarbons in the troposphere over the Pacific Ocean during the March-April 1999 Pacific Exploratory Mission (PEM-Tropics B). Journal of Geophysical Research, 2001, 106, 32627-32644.	3.3	63
240	Dimethyl disulfide (DMDS) and dimethyl sulfide (DMS) emissions from biomass burning in Australia. Geophysical Research Letters, 2003, 30, .	1.5	63
241	An examination of chemistry and transport processes in the tropical lower stratosphere using observations of long-lived and short-lived compounds obtained during STRAT and POLARIS. Journal of Geophysical Research, 1999, 104, 26625-26642.	3.3	62
242	Implications of the recent fluctuations in the growth rate of tropospheric methane. Geophysical Research Letters, 2002, 29, 117-1-117-4.	1.5	62
243	Tunable diode laser measurements of formaldehyde during the TOPSE 2000 study: Distributions, trends, and model comparisons. Journal of Geophysical Research, 2003, 108, .	3.3	62
244	The POLARCAT Model Intercomparison Project (POLMIP): overview and evaluation with observations. Atmospheric Chemistry and Physics, 2015, 15, 6721-6744.	1.9	62
245	Chemical signatures of aged Pacific marine air: Mixed layer and free troposphere as measured during PEM-West A. Journal of Geophysical Research, 1996, 101, 1727-1742.	3.3	61
246	Impact of biomass burning emissions on the composition of the South Atlantic troposphere: Reactive nitrogen and ozone. Journal of Geophysical Research, 1996, 101, 24203-24219.	3.3	61
247	An investigation of South Pole HOxchemistry: Comparison of model results with ISCAT observations. Geophysical Research Letters, 2001, 28, 3633-3636.	1.5	61
248	Contribution of Carbonyl Photochemistry to Aging of Atmospheric Secondary Organic Aerosol. Journal of Physical Chemistry A, 2008, 112, 8337-8344.	1.1	61
249	The production and persistence of Î£RONO₂ in the Mexico City plume. Atmospheric Chemistry and Physics, 2010, 10, 7215-7229.	1.9	61
250	Long-range transport of sulfur dioxide in the central Pacific. Journal of Geophysical Research, 2004, 109, .	3.3	60
251	Establishing Lagrangian connections between observations within air masses crossing the Atlantic during the International Consortium for Atmospheric Research on Transport and Transformation experiment. Journal of Geophysical Research, 2006, 111, .	3.3	60
252	Gaseous compounds and efflorescences generated in self-heating coal-waste dumps â€” A case study from the Upper and Lower Silesian Coal Basins (Poland). International Journal of Coal Geology, 2013, 116-117, 247-261.	1.9	60

#	Article	IF	Citations
253	Secondary organic aerosols from anthropogenic volatile organic compounds contribute substantially to air pollution mortality. Atmospheric Chemistry and Physics, 2021, 21, 11201-11224.	1.9	60
254	Ozone, aerosol, potential vorticity, and trace gas trends observed at high-latitudes over North America from February to May 2000. Journal of Geophysical Research, 2003, 108, .	3.3	59
255	Breath sulfides and pulmonary function in cystic fibrosis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15762-15767.	3.3	59
256	Characterization of volatile organic compounds (VOCs) in Asian and north American pollution plumes during INTEX-B: identification of specific Chinese air mass tracers. Atmospheric Chemistry and Physics, 2009, 9, 5371-5388.	1.9	59
257	Patterns of CO₂and radiocarbon across high northern latitudes during International Polar Year 2008. Journal of Geophysical Research, 2011, 116, .	3.3	59
258	Emissions of organic carbon and methane from petroleum and dairy operations in California's San Joaquin Valley. Atmospheric Chemistry and Physics, 2014, 14, 4955-4978.	1.9	59
259	Convective transport of very short lived bromocarbons to the stratosphere. Atmospheric Chemistry and Physics, 2014, 14, 5781-5792.	1.9	59
260	Steady state free radical budgets and ozone photochemistry during TOPSE. Journal of Geophysical Research, 2003, 108, .	3.3	57
261	Nonmethane hydrocarbon and halocarbon distributions during Atlantic Stratocumulus Transition Experiment/Marine Aerosol and Gas Exchange, June 1992. Journal of Geophysical Research, 1996, 101, 4501-4514.	3.3	56
262	Unexpected consequences of increasing CO2and ocean acidity on marine production of DMS and CH2ClI: Potential climate impacts. Geophysical Research Letters, 2007, 34, .	1.5	56
263	Bromoform and dibromomethane measurements in the seacoast region of New Hampshire, 2002â€“2004. Journal of Geophysical Research, 2008, 113, .	3.3	56
264	Source origins, modeled profiles, and apportionments of halogenated hydrocarbons in the greater Pearl River Delta region, southern China. Journal of Geophysical Research, 2009, 114, .	3.3	56
265	Integrating Source Apportionment Tracers into a Bottom-up Inventory of Methane Emissions in the Barnett Shale Hydraulic Fracturing Region. Environmental Science & Technology, 2015, 49, 8175-8182.	4.6	55
266	Motorization of China implies changes in Pacific air chemistry and primary production. Geophysical Research Letters, 1997, 24, 2671-2674.	1.5	54
267	Reactive nitrogen in Asian continental outflow over the western Pacific: Results from the NASA Transport and Chemical Evolution over the Pacific (TRACE-P) airborne mission. Journal of Geophysical Research, 2003, 108, .	3.3	54
268	An overview of ISCAT 2000. Atmospheric Environment, 2004, 38, 5363-5373.	1.9	54
269	Carbonyl sulfide and carbon disulfide: Large-scale distributions over the western Pacific and emissions from Asia during TRACE-P. Journal of Geophysical Research, 2004, 109, .	3.3	54
270	Investigating the sources and atmospheric processing of fine particles from Asia and the Northwestern United States measured during INTEX B. Atmospheric Chemistry and Physics, 2008, 8, 1835-1853.	1.9	54

#	Article	IF	Citations
271	Atmospheric sampling of Supertyphoon Mireille with NASA DC-8 aircraft on September 27,1991, during PEM-West A. Journal of Geophysical Research, 1996, 101, 1853-1871.	3.3	53
272	Physico-chemical modeling of the First Aerosol Characterization Experiment (ACE 1) Lagrangian B: 1. A moving column approach. Journal of Geophysical Research, 1998, 103, 16433-16455.	3.3	53
273	Ozone production in the upper troposphere and the influence of aircraft during SONEX: approach of NOx-saturated conditions. Geophysical Research Letters, 1999, 26, 3081-3084.	1.5	53
274	Reactive nitrogen budget during the NASA SONEX Mission. Geophysical Research Letters, 1999, 26, 3057-3060.	1.5	53
275	Impact of the leakage of liquefied petroleum gas (LPG) on Santiago Air Quality. Geophysical Research Letters, 2001, 28, 2193-2196.	1.5	53
276	Photochemical production and evolution of selected C2â€“C5alkyl nitrates in tropospheric air influenced by Asian outflow. Journal of Geophysical Research, 2003, 108, .	3.3	53
277	On the use of an explicit chemical mechanism to dissect peroxy acetyl nitrate formation. Environmental Pollution, 2014, 195, 39-47.	3.7	53
278	Methane: Interhemispheric concentration gradient and atmospheric residence time. Proceedings of the National Academy of Sciences of the United States of America, 1982, 79, 1366-1370.	3.3	52
279	Aerosol chemical composition and distribution during the Pacific Exploratory Mission (PEM) Tropics. Journal of Geophysical Research, 1999, 104, 5785-5800.	3.3	52
280	Trace chemical measurements from the northern midlatitude lowermost stratosphere in early spring: Distributions, correlations, and fate. Geophysical Research Letters, 1997, 24, 127-130.	1.5	51
281	An ozone episode in the Pearl River Delta: Field observation and model simulation. Journal of Geophysical Research, 2010, 115, .	3.3	51
282	Biomass burning influences on the composition of the remote South Pacific troposphere: analysis based on observations from PEM-Tropics-A. Atmospheric Environment, 2000, 34, 635-644.	1.9	50
283	The seasonal evolution of NMHCs and light alkyl nitrates at middle to high northern latitudes during TOPSE. Journal of Geophysical Research, 2003, 108, .	3.3	50
284	Removal of NOxand NOyin Asian outflow plumes: Aircraft measurements over the western Pacific in January 2002. Journal of Geophysical Research, 2004, 109, .	3.3	50
285	Airborne observations of methane emissions from rice cultivation in the Sacramento Valley of California. Journal of Geophysical Research, 2012, 117, .	3.3	50
286	Exhaled breath and fecal volatile organic biomarkers of chronic kidney disease. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 2531-2537.	1.1	50
287	Spatial patterns and source attribution of urban methane in the Los Angeles Basin. Journal of Geophysical Research D: Atmospheres, 2016, 121, 2490-2507.	1.2	50
288	Springtime photochemistry at northern mid and high latitudes. Journal of Geophysical Research, 2003, 108, .	3.3	49

#	Article	IF	Citations
289	Long-term atmospheric measurements of C1â€“C5 alkyl nitrates in the Pearl River Delta region of southeast China. Atmospheric Environment, 2006, 40, 1619-1632.	1.9	49
290	PEM-West A: Meteorological overview. Journal of Geophysical Research, 1996, 101, 1655-1677.	3.3	48
291	Observations of ozone and related species in the northeast Pacific during the PHOBEA campaigns: 2. Airborne observations. Journal of Geophysical Research, 2001, 106, 7463-7483.	3.3	48
292	Emission estimates of selected volatile organic compounds from tropical savanna burning in northern Australia. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	48
293	Quantifying the loss of processed natural gas within California's South Coast Air Basin using long-term measurements of ethane and methane. Atmospheric Chemistry and Physics, 2016, 16, 14091-14105.	1.9	48
294	Global atmospheric distributions and source strengths of light hydrocarbons and tetrachloroethene. Journal of Geophysical Research, 1998, 103, 28219-28235.	3.3	47
295	Stable carbon isotopic composition of atmospheric methane: A comparison of surface level and free tropospheric air. Journal of Geophysical Research, 1999, 104, 13895-13910.	3.3	47
296	Factors influencing the large-scale distribution of HgÂ° in the Mexico City area and over the North Pacific. Atmospheric Chemistry and Physics, 2008, 8, 2103-2114.	1.9	47
297	Ambient Nonmethane Hydrocarbon Levels Along Coloradoâ€™s Northern Front Range: Acute and Chronic Health Risks. Environmental Science & Technology, 2018, 52, 4514-4525.	4.6	47
298	Comprehensive isoprene and terpene gas-phase chemistry improves simulated surface ozone in the southeastern US. Atmospheric Chemistry and Physics, 2020, 20, 3739-3776.	1.9	47
299	Large-scale ozone and aerosol distributions, air mass characteristics, and ozone fluxes over the western Pacific Ocean in late winter/early spring. Journal of Geophysical Research, 2003, 108, .	3.3	46
300	Halocarbon Emissions from the United States and Mexico and Their Global Warming Potential. Environmental Science & Technology, 2009, 43, 1055-1060.	4.6	46
301	Effectiveness of a Florida Landfill Biocover for Reduction of CH₄ and NMHC Emissions. Environmental Science & Technology, 2010, 44, 1197-1203.	4.6	46
302	Detailed comparisons of airborne formaldehyde measurements with box models during the 2006 INTEX-B and MILAGRO campaigns: potential evidence for significant impacts of unmeasured and multi-generation volatile organic carbon compounds. Atmospheric Chemistry and Physics, 2011, 11, 11867-11894.	1.9	46
303	Effectiveness of replacing catalytic converters in LPG-fueled vehicles in Hong Kong. Atmospheric Chemistry and Physics, 2016, 16, 6609-6626.	1.9	46
304	Variability in Atmospheric Methane From Fossil Fuel and Microbial Sources Over the Last Three Decades. Geophysical Research Letters, 2018, 45, 11,499.	1.5	46
305	Old Smokey coal fire, Floyd County, Kentucky: Estimates of gaseous emission rates. International Journal of Coal Geology, 2011, 87, 150-156.	1.9	45
306	Air Quality in Mecca and Surrounding Holy Places in Saudi Arabia During Hajj: Initial Survey. Environmental Science & Technology, 2014, 48, 8529-8537.	4.6	45

#	Article	IF	Citations
307	Experimental evidence for the importance of convected methylhydroperoxide as a source of hydrogen oxide (HOx) radicals in the tropical upper troposphere. Journal of Geophysical Research, 2001, 106, 32709-32716.	3.3	44
308	Peroxy radical behavior during the Transport and Chemical Evolution over the Pacific (TRACE-P) campaign as measured aboard the NASA P-3B aircraft. Journal of Geophysical Research, 2003, 108, .	3.3	44
309	Distributions of trace gases and aerosols during the dry biomass burning season in southern Africa. Journal of Geophysical Research, 2003, 108, .	3.3	44
310	Characterization, sources and reactivity of volatile organic compounds (VOCs) in Seoul and surrounding regions during KORUS-AQ. Elementa, 2020, 8, .	1.1	44
311	Airborne observations of the tropospheric CO2distribution and its controlling factors over the South Pacific Basin. Journal of Geophysical Research, 1999, 104, 5663-5676.	3.3	43
312	Compensation of atmospheric CO2buildup through engineered chemical sinkage. Geophysical Research Letters, 2001, 28, 1235-1238.	1.5	43
313	Large-scale air mass characteristics observed over the remote tropical Pacific Ocean during March-April 1999: Results from PEM-Tropics B field experiment. Journal of Geophysical Research, 2001, 106, 32481-32501.	3.3	43
314	Late-spring increase of trans-Pacific pollution transport in the upper troposphere. Geophysical Research Letters, 2006, 33, n/a-n/a.	1.5	43
315	Formation and transport of oxidized reactive nitrogen, ozone, and secondary organic aerosol in Tokyo. Journal of Geophysical Research, 2008, 113, .	3.3	43
316	Source characteristics of volatile organic compounds during high ozone episodes in Hong Kong, Southern China. Atmospheric Chemistry and Physics, 2008, 8, 4983-4996.	1.9	43
317	A regional scale modeling analysis of aerosol and trace gas distributions over the eastern Pacific during the INTEX-B field campaign. Atmospheric Chemistry and Physics, 2010, 10, 2091-2115.	1.9	43
318	Revisiting global fossil fuel and biofuel emissions of ethane. Journal of Geophysical Research D: Atmospheres, 2017, 122, 2493-2512.	1.2	43
319	Measurements of PAN, alkyl nitrates, ozone, and hydrocarbons during spring in interior Alaska. Journal of Geophysical Research, 1996, 101, 12613-12619.	3.3	42
320	Tropospheric reactive odd nitrogen over the South Pacific in austral springtime. Journal of Geophysical Research, 2000, 105, 6681-6694.	3.3	42
321	Vertical and meridional distributions of the atmospheric CO2mixing ratio between northern midlatitudes and southern subtropics. Journal of Geophysical Research, 2003, 108, BIB 5-1.	3.3	42
322	Source characteristics of oxygenated volatile organic compounds and hydrogen cyanide. Journal of Geophysical Research, 2007, 112, .	3.3	42
323	The contribution of oceanic methyl iodide to stratospheric iodine. Atmospheric Chemistry and Physics, 2013, 13, 11869-11886.	1.9	42
324	Estimating Emissions of Toxic Hydrocarbons from Natural Gas Production Sites in the Barnett Shale Region of Northern Texas. Environmental Science & Technology, 2016, 50, 10756-10764.	4.6	41

#	Article	IF	Citations
325	A dualâ€chamber method for quantifying the effects of atmospheric perturbations on secondary organic aerosol formation from biomass burning emissions. Journal of Geophysical Research D: Atmospheres, 2017, 122, 6043-6058.	1.2	41
326	Atmospheric Acetaldehyde: Importance of Airâ€Sea Exchange and a Missing Source in the Remote Troposphere. Geophysical Research Letters, 2019, 46, 5601-5613.	1.5	41
327	Constraints on Asian and European sources of methane from CH4-C2H6-CO correlations in Asian outflow. Journal of Geophysical Research, 2004, 109, .	3.3	40
328	Halogen-driven low-altitude O3and hydrocarbon losses in spring at northern high latitudes. Journal of Geophysical Research, 2006, 111, .	3.3	40
329	Ambient air quality in the Kathmandu Valley, Nepal, during the pre-monsoon: concentrations and sources of particulate matter and trace gases. Atmospheric Chemistry and Physics, 2020, 20, 2927-2951.	1.9	40
330	Emissions from miombo woodland and dambo grassland savanna fires. Journal of Geophysical Research, 2004, 109, .	3.3	39
331	Observations of the temporal variability in aerosol properties and their relationships to meteorology in the summer monsoonal South China Sea/East Sea: the scale-dependent role of monsoonal flows, the Maddenâ€“Julian Oscillation, tropical cyclones, squall lines and cold pools. Atmospheric Chemistry and Physics, 2015, 15, 1745-1768.	1.9	39
332	Evaluation of the effectiveness of air pollution control measures in Hong Kong. Environmental Pollution, 2017, 220, 87-94.	3.7	39
333	The NASA Atmospheric Tomography (ATom) Mission: Imaging the Chemistry of the Global Atmosphere. Bulletin of the American Meteorological Society, 2022, 103, E761-E790.	1.7	39
334	Chemical characteristics of tropospheric air over the Pacific Ocean as measured during PEM-West B: Relationship to Asian outflow and trajectory history. Journal of Geophysical Research, 1997, 102, 28275-28285.	3.3	38
335	Factors controlling tropospheric O3, OH, NOxand SO2over the tropical Pacific during PEM-Tropics B. Journal of Geophysical Research, 2001, 106, 32733-32747.	3.3	38
336	A biomass burning source of C1-C4alkyl nitrates. Geophysical Research Letters, 2002, 29, 21-1-21-4.	1.5	38
337	Long-term decrease in the global atmospheric burden of tetrachloroethene (C2Cl4). Geophysical Research Letters, 2004, 31, .	1.5	38
338	Ethane andn-pentane in exhaled breath are biomarkers of exposure not effect. Biomarkers, 2009, 14, 17-25.	0.9	38
339	An analysis of fast photochemistry over high northern latitudes during spring and summer using in-situ observations from ARCTAS and TOPSE. Atmospheric Chemistry and Physics, 2012, 12, 6799-6825.	1.9	38
340	Aerosol meteorology of Maritime Continent for the 2012 7SEAS southwest monsoon intensive study â€“ Part 2: Philippine receptor observations of fine-scale aerosol behavior. Atmospheric Chemistry and Physics, 2016, 16, 14057-14078.	1.9	38
341	Evaluation of simulated O3 production efficiency during the KORUS-AQ campaign: Implications for anthropogenic NOx emissions in Korea. Elementa, 2019, 7, .	1.1	38
342	A case study of transport of tropical marine boundary layer and lower tropospheric air masses to the northern midlatitude upper troposphere. Journal of Geophysical Research, 2000, 105, 3757-3769.	3.3	37

#	Article	IF	Citations
343	Role of wave cyclones in transporting boundary layer air to the free troposphere during the spring 2001 NASA/TRACE-P experiment. Journal of Geophysical Research, 2003, 108, .	3.3	37
344	Photochemistry of ozone over the western Pacific from winter to spring. Journal of Geophysical Research, 2004, 109, .	3.3	37
345	Results from the International Halocarbons in Air Comparison Experiment (IHALACE). Atmospheric Measurement Techniques, 2014, 7, 469-490.	1.2	37
346	Continued Emissions of the Ozoneâ€Depleting Substance Carbon Tetrachloride From Eastern Asia. Geophysical Research Letters, 2018, 45, 11423-11430.	1.5	37
347	Highlights of OH, H2SO4, and methane sulfonic acid measurements made aboard the NASA P-3B during Transport and Chemical Evolution over the Pacific. Journal of Geophysical Research, 2003, 108, .	3.3	36
348	Acetaldehyde and hexanaldehyde from cultured white cells. Journal of Translational Medicine, 2009, 7, 31.	1.8	36
349	Constraining remote oxidation capacity with ATom observations. Atmospheric Chemistry and Physics, 2020, 20, 7753-7781.	1.9	36
350	Chemical transport across the ITCZ in the central Pacific during an El NiÃ±o-Southern Oscillation cold phase event in March-April 1999. Journal of Geophysical Research, 2001, 106, 32539-32553.	3.3	35
351	An assessment of western North Pacific ozone photochemistry based on springtime observations from NASA's PEM-West B (1994) and TRACE-P (2001) field studies. Journal of Geophysical Research, 2003, 108, .	3.3	35
352	Role of convection in redistributing formaldehyde to the upper troposphere over North America and the North Atlantic during the summer 2004 INTEX campaign. Journal of Geophysical Research, 2008, 113, .	3.3	35
353	Atmospheric chemistry results from the ANTCI 2005 Antarctic plateau airborne study. Journal of Geophysical Research, 2010, 115, .	3.3	35
354	Emission patterns and spatiotemporal variations of halocarbons in the Pearl River Delta region, southern China. Journal of Geophysical Research, 2010, 115, .	3.3	35
355	Reactive nitrogen, ozone and ozone production in the Arctic troposphere and the impact of stratosphere-troposphere exchange. Atmospheric Chemistry and Physics, 2011, 11, 13181-13199.	1.9	35
356	Long-range transport of Asian outflow to the equatorial Pacific. Journal of Geophysical Research, 2003, 108, PEM 5-1.	3.3	34
357	Characteristics of the atmospheric CO₂ signal as observed over the conterminous United States during INTEXâ€NA. Journal of Geophysical Research, 2008, 113, .	3.3	34
358	Using stable isotopes of hydrogen to quantify biogenic and thermogenic atmospheric methane sources: A case study from the Colorado Front Range. Geophysical Research Letters, 2016, 43, 11,462.	1.5	34
359	Chemical Characterization and Source Apportionment of PM2.5 in Rabigh, Saudi Arabia. Aerosol and Air Quality Research, 2016, 16, 3114-3129.	0.9	34
360	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

#	Article	IF	Citations
361	Formaldehyde over the central Pacific during PEM-Tropics B. Journal of Geophysical Research, 2001, 106, 32717-32731.	3.3	33
362	Asian chemical outflow to the Pacific in late spring observed during the PEACE-B aircraft mission. Journal of Geophysical Research, 2004, 109, .	3.3	33
363	Alkyl nitrates in outflow from North America over the North Atlantic during Intercontinental Transport of Ozone and Precursors 2004. Journal of Geophysical Research, 2007, 112, .	3.3	33
364	Seasonal variations of atmospheric C₂â€“C₇ nonmethane hydrocarbons in Tokyo. Journal of Geophysical Research, 2007, 112, .	3.3	33
365	Influence of the public transportation system on the air quality of a major urban center. A case study: Milan, Italy. Atmospheric Environment, 2008, 42, 7915-7923.	1.9	33
366	Vertical distributions of non-methane hydrocarbons and halocarbons in the lower troposphere over northeast China. Atmospheric Environment, 2011, 45, 6501-6509.	1.9	33
367	Impact of the deep convection of isoprene and other reactive trace species on radicals and ozone in the upper troposphere. Atmospheric Chemistry and Physics, 2012, 12, 1135-1150.	1.9	33
368	Methyl, Ethyl, and Propyl Nitrates: Global Distribution and Impacts on Reactive Nitrogen in Remote Marine Environments. Journal of Geophysical Research D: Atmospheres, 2018, 123, 12,429.	1.2	33
369	Emissions from village cookstoves in Haryana, India, and their potential impacts on air quality. Atmospheric Chemistry and Physics, 2018, 18, 15169-15182.	1.9	33
370	Surface ozone in the Colorado northern Front Range and the influence of oil and gas development during FRAPPE/DISCOVER-AQ in summer 2014. Elementa, 2017, 5, .	1.1	33
371	Exploring dimethyl sulfide (DMS) oxidation and implications for global aerosol radiative forcing. Atmospheric Chemistry and Physics, 2022, 22, 1549-1573.	1.9	33
372	Chemical characteristics of tropospheric air over the tropical South Atlantic Ocean: Relationship to trajectory history. Journal of Geophysical Research, 1996, 101, 23957-23972.	3.3	32
373	Evidence of convection as a major source of condensation nuclei in the northern midlatitude upper troposphere. Geophysical Research Letters, 2000, 27, 369-372.	1.5	32
374	Air quality in the Industrial Heartland of Alberta, Canada and potential impacts on human health. Atmospheric Environment, 2013, 81, 702-709.	1.9	32
375	Continued emissions of carbon tetrachloride from the United States nearly two decades after its phaseout for dispersive uses. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 2880-2885.	3.3	32
376	On the sources and sinks of atmospheric VOCs: an integrated analysis of recent aircraft campaigns over North America. Atmospheric Chemistry and Physics, 2019, 19, 9097-9123.	1.9	32
377	Chemical transport models often underestimate inorganic aerosol acidity in remote regions of the atmosphere. Communications Earth & Environment, 2021, 2, .	2.6	32
378	Observation-based modeling of ozone chemistry in the Seoul metropolitan area during the Korea-United States Air Quality Study (KORUS-AQ). Elementa, 2020, 8, .	1.1	32

#	Article	IF	Citations
379	Statistical inference of OH concentrations and air mass dilution rates from successive observations of nonmethane hydrocarbons in single air masses. Journal of Geophysical Research, 2007, 112, .	3.3	31
380	Sources and transport of Î”¹⁴C in CO₂ within the Mexico City Basin and vicinity. Atmospheric Chemistry and Physics, 2009, 9, 4973-4985.	1.9	31
381	Arctic mercury depletion and its quantitative link with halogens. Journal of Atmospheric Chemistry, 2010, 65, 145-170.	1.4	31
382	Convective distribution of tropospheric ozone and tracers in the Central American ITCZ region: Evidence from observations during TC4. Journal of Geophysical Research, 2010, 115, .	3.3	31
383	OH reactivity in urban and suburban regions in Seoul, South Korea â€“ an East Asian megacity in a rapid transition. Faraday Discussions, 2016, 189, 231-251.	1.6	31
384	methane concentrations and source strengths in urban locations. Geophysical Research Letters, 1984, 11, 1211-1214.	1.5	30
385	Marine latitude/altitude OH distributions: Comparison of Pacific Ocean observations with models. Journal of Geophysical Research, 2001, 106, 32691-32707.	3.3	30
386	Carbonyl sulfide (OCS): Largeâ€scale distributions over North America during INTEXâ€NA and relationship to CO₂. Journal of Geophysical Research, 2008, 113, .	3.3	30
387	Bacteria in the airways of patients with cystic fibrosis are genetically capable of producing VOCs in breath. Journal of Breath Research, 2016, 10, 047103.	1.5	30
388	Impacts of household sources on air pollution at village and regional scales in India. Atmospheric Chemistry and Physics, 2019, 19, 7719-7742.	1.9	30
389	An inversion of NO_{<i>x</i>} and non-methane volatile organic compound (NMVOC) emissions using satellite observations during the KORUS-AQ campaign and implications for surface ozone over East Asia. Atmospheric Chemistry and Physics, 2020, 20, 9837-9854.	1.9	30
390	New Directions: Enhancing the natural sulfur cycle to slow global warming. Atmospheric Environment, 2007, 41, 7373-7375.	1.9	29
391	Wet scavenging of soluble gases in DC3 deep convective storms using WRFâ€Chem simulations and aircraft observations. Journal of Geophysical Research D: Atmospheres, 2016, 121, 4233-4257.	1.2	29
392	AASEâ€II Observations of trace carbon species distributions in the mid to upper troposphere. Geophysical Research Letters, 1993, 20, 2539-2542.	1.5	28
393	Photochemical production of ozone in the upper troposphere in association with cumulus convection over Indonesia. Journal of Geophysical Research, 2003, 108, BIB 4-1.	3.3	28
394	Size-resolved aerosol emission factors and new particle formation/growth activity occurring in Mexico City during the MILAGRO 2006 Campaign. Atmospheric Chemistry and Physics, 2011, 11, 8861-8881.	1.9	28
395	Size-resolved aerosol and cloud condensation nuclei (CCN) properties in the remote marine South China Sea â€“ Part 1: Observations and source classification. Atmospheric Chemistry and Physics, 2017, 17, 1105-1123.	1.9	28
396	Rapid cloud removal of dimethyl sulfide oxidation products limits SO ₂ and cloud condensation nuclei production in the marine atmosphere. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	28

#	Article	IF	Citations
397	Atmospheric Residence Time of CH3Br Estimated from the Junge Spatial Variability Relation. , 1998, 281, 392-396.		27
398	Chemical characteristics of air from differing source regions during the Pacific Exploratory Mission-Tropics A (PEM-Tropics A). Journal of Geophysical Research, 1999, 104, 16181-16196.	3.3	27
399	Evolution and chemical consequences of lightning-produced NOxobserved in the North Atlantic upper troposphere. Journal of Geophysical Research, 2000, 105, 19795-19809.	3.3	27
400	Gaseous emissions from flooded rice paddy agriculture. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	27
401	Clouds and trace gas distributions during TRACE-P. Journal of Geophysical Research, 2003, 108, .	3.3	27
402	Gas signatures from Escherichia coli and Escherichia coliâ€inoculated human whole blood. Clinical and Translational Medicine, 2013, 2, 13.	1.7	27
403	Challenges associated with the sampling and analysis of organosulfur compounds in air using real-time PTR-ToF-MS and offline GC-FID. Atmospheric Measurement Techniques, 2016, 9, 1325-1340.	1.2	27
404	Molecular distributions of dicarboxylic acids, oxocarboxylic acids and <i>Î±</i>-dicarbonyls in PM_{2.5} collected at the top of Mt. Tai, North China, during the wheat burning season of 2014. Atmospheric Chemistry and Physics, 2018, 18, 10741-10758.	1.9	27
405	¹³C/¹²C ratio in methane from the flooded Amazon forest. Journal of Geophysical Research, 1987, 92, 1044-1048.	3.3	26
406	Impact of aircraft emissions on reactive nitrogen over the North Atlantic Flight Corridor region. Journal of Geophysical Research, 2000, 105, 3665-3677.	3.3	26
407	Stable isotope profiles reveal active production of VOCs from human-associated microbes. Journal of Breath Research, 2017, 11, 017101.	1.5	26
408	Characterization of the chemical signatures of air masses observed during the PEM experiments over the western Pacific. Journal of Geophysical Research, 1999, 104, 16243-16254.	3.3	25
409	Photochemical production of O3in biomass burning plumes in the boundary layer over northern Australia. Geophysical Research Letters, 2003, 30, n/a-n/a.	1.5	25
410	Measurements of reactive nitrogen produced by tropical thunderstorms during BIBLEâ€C. Journal of Geophysical Research, 2007, 112, .	3.3	25
411	Anthropogenic emissions during Arctas-A: mean transport characteristics and regional case studies. Atmospheric Chemistry and Physics, 2011, 11, 8677-8701.	1.9	25
412	Emission Characteristics of Ultrafine Particles and Volatile Organic Compounds in a Commercial Printing Center. Journal of the Air and Waste Management Association, 2011, 61, 1093-1101.	0.9	25
413	Estimates of European emissions of methyl chloroform using a Bayesian inversion method. Atmospheric Chemistry and Physics, 2014, 14, 9755-9770.	1.9	25
414	Estimating methane emissions from biological and fossilâ€fuel sources in the San Francisco Bay Area. Geophysical Research Letters, 2017, 44, 486-495.	1.5	25

#	Article	IF	Citations
415	Missing OH reactivity in the global marine boundary layer. Atmospheric Chemistry and Physics, 2020, 20, 4013-4029.	1.9	25
416	Seasonal variation of tropospheric methyl bromide concentrations: Constraints on anthropogenic input. Geophysical Research Letters, 1998, 25, 2797-2800.	1.5	24
417	Aircraft Measurements of Dimethyl Sulfide (DMS) Using a Whole Air Sampling Technique. Journal of Atmospheric Chemistry, 2001, 39, 191-213.	1.4	24
418	Title is missing!. Journal of Atmospheric Chemistry, 2001, 38, 317-344.	1.4	24
419	Convective transport and scavenging of peroxides by thunderstorms observed over the central U.S. during DC3. Journal of Geophysical Research D: Atmospheres, 2016, 121, 4272-4295.	1.2	24
420	Estimating Source Region Influences on Black Carbon Abundance, Microphysics, and Radiative Effect Observed Over South Korea. Journal of Geophysical Research D: Atmospheres, 2018, 123, 13,527.	1.2	24
421	Integration of airborne and ground observations of nitryl chloride in the Seoul metropolitan area and the implications on regional oxidation capacity during KORUS-AQ 2016. Atmospheric Chemistry and Physics, 2019, 19, 12779-12795.	1.9	24
422	Inverse modeling of the global methyl chloride sources. Journal of Geophysical Research, 2006, 111, .	3.3	23
423	An overview of air-snow exchange at Summit, Greenland: Recent experiments and findings. Atmospheric Environment, 2007, 41, 4995-5006.	1.9	23
424	The impact of local sources and longâ€range transport on aerosol properties over the northeast U.S. region during INTEXâ€NA. Journal of Geophysical Research, 2008, 113, .	3.3	23
425	Evaluation of an urban NMHC emission inventory by measurements and impact on CTM results. Atmospheric Environment, 2010, 44, 3843-3855.	1.9	23
426	Abundances and variability of tropospheric volatile organic compounds at the South Pole and other Antarctic locations. Atmospheric Environment, 2010, 44, 4565-4574.	1.9	23
427	Observational evidence for the convective transport of dust over the Central United States. Journal of Geophysical Research D: Atmospheres, 2016, 121, 1306-1319.	1.2	23
428	Exploring Oxidation in the Remote Free Troposphere: Insights From Atmospheric Tomography (ATom). Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031685.	1.2	23
429	Intercontinental transport of pollution manifested in the variability and seasonal trend of springtime O3at northern middle and high latitudes. Journal of Geophysical Research, 2003, 108, .	3.3	22
430	Hydroxyl concentration estimates in the sunlit snowpack at Summit, Greenland. Atmospheric Environment, 2007, 41, 5101-5109.	1.9	22
431	Release and uptake of volatile inorganic and organic gases through the snowpack at Niwot Ridge, Colorado. Biogeochemistry, 2009, 95, 167-183.	1.7	22
432	Accumulation-mode aerosol number concentrations in the Arctic during the ARCTAS aircraft campaign: Long-range transport of polluted and clean air from the Asian continent. Journal of Geophysical Research, 2011, 116, .	3.3	22

#	Article	IF	Citations
433	Impact of lightning and convection on reactive nitrogen in the tropical free troposphere. Journal of Geophysical Research, 1997, 102, 28367-28384.	3.3	21
434	Title is missing!. Journal of Atmospheric Chemistry, 1997, 27, 31-70.	1.4	21
435	Large-scale distribution of CH4in the western North Pacific: Sources and transport from the Asian continent. Journal of Geophysical Research, 2003, 108, .	3.3	21
436	Source Contributions to Carbon Monoxide Concentrations During KORUSâ€AQ Based on CAMâ€chem Model Applications. Journal of Geophysical Research D: Atmospheres, 2019, 124, 2796-2822.	1.2	21
437	Estimation of global vehicular methyl bromide emissions: Extrapolation from a case study in Santiago, Chile. Geophysical Research Letters, 1999, 26, 283-286.	1.5	20
438	Use of a mixed-layer model to estimate dimethylsulfide flux and application to other trace gas fluxes. Journal of Geophysical Research, 1999, 104, 16275-16295.	3.3	20
439	Chemical characteristics of air from different source regions during the second Pacific Exploratory Mission in the Tropics (PEM-Tropics B). Journal of Geophysical Research, 2001, 106, 32609-32625.	3.3	20
440	Airborne sampling of aerosol particles: Comparison between surface sampling at Christmas Island and P-3 sampling during PEM-Tropics B. Journal of Geophysical Research, 2003, 108, PEM 2-1.	3.3	20
441	Effects of biomass burning, lightning, and convection on O3, CO, and NOyover the tropical Pacific and Australia in Augustâ€“October 1998 and 1999. Journal of Geophysical Research, 2003, 108, BIB 6-1.	3.3	20
442	Long-term and seasonal variations in the levels of hydrogen peroxide, methylhydroperoxide, and selected compounds over the Pacific Ocean. Journal of Geophysical Research, 2004, 109, .	3.3	20
443	Observations of isoprene, methacrolein (MAC) and methyl vinyl ketone (MVK) at a mountain site in Hong Kong. Journal of Geophysical Research, 2012, 117, .	3.3	20
444	High-Latitude Springtime Photochemistry. Part Ii: Sensitivity Studies of Ozone Production. Journal of Atmospheric Chemistry, 1997, 27, 155-178.	1.4	19
445	Organic trace gases of oceanic origin observed at South Pole during ISCAT 2000. Atmospheric Environment, 2004, 38, 5463-5472.	1.9	19
446	HFC-152a and HFC-134a emission estimates and characterization of CFCs, CFC replacements, and other halogenated solvents measured during the 2008 ARCTAS campaign (CARB phase) over the South Coast Air Basin of California. Atmospheric Chemistry and Physics, 2011, 11, 2655-2669.	1.9	19
447	Effect of Hemodialysis and Diet on the Exhaled Breath Methanol Concentration in Patients With ESRD. , 2012, 22, 357-364.		19
448	Ambient CFCs and HCFC-22 observed concurrently at 84 sites in the Pearl River Delta region during the 2008-2009 grid studies. Journal of Geophysical Research D: Atmospheres, 2014, 119, 7699-7717.	1.2	19
449	Formaldehyde column density measurements as a suitable pathway to estimate nearâ€surface ozone tendencies from space. Journal of Geophysical Research D: Atmospheres, 2016, 121, 13088-13112.	1.2	19
450	Photochemical production and loss rates of ozone at Sable Island, Nova Scotia during the North Atlantic Regional Experiment (NARE) 1993 summer intensive. Journal of Geophysical Research, 1998, 103, 13531-13555.	3.3	18

#	Article	IF	Citations
451	Removal of NOxand NOyin biomass burning plumes in the boundary layer over northern Australia. Journal of Geophysical Research, 2003, 108, .	3.3	18
452	Survey of whole air data from the second airborne Biomass Burning and Lightning Experiment using principal component analysis. Journal of Geophysical Research, 2003, 108, .	3.3	18
453	Contribution of particulate nitrate to airborne measurements of total reactive nitrogen. Journal of Geophysical Research, 2005, 110, .	3.3	18
454	Exposure to Potentially Toxic Hydrocarbons and Halocarbons Released From the Dialyzer and Tubing Set During Hemodialysis. American Journal of Kidney Diseases, 2012, 60, 609-616.	2.1	18
455	Characterization of carbon monoxide, methane and nonmethane hydrocarbons in emerging cities of Saudi Arabia and Pakistan and in Singapore. Journal of Atmospheric Chemistry, 2017, 74, 87-113.	1.4	18
456	Higher measured than modeled ozone production at increased NO_{<i>x</i>} levels in the Colorado Front Range. Atmospheric Chemistry and Physics, 2017, 17, 11273-11292.	1.9	18
457	Atmospheric oxidation in the presence of clouds during the Deep Convective Clouds and Chemistry (DC3) study. Atmospheric Chemistry and Physics, 2018, 18, 14493-14510.	1.9	18
458	Gas emissions, tars, and secondary minerals at the Ruth Mullins and Tiptop coal mine fires. International Journal of Coal Geology, 2018, 195, 304-316.	1.9	18
459	Observations of C1â€“C5 alkyl nitrates in the Yellow River Delta, northern China: Effects of biomass burning and oil field emissions. Science of the Total Environment, 2019, 656, 129-139.	3.9	18
460	The Controlling Factors of Photochemical Ozone Production in Seoul, South Korea. Aerosol and Air Quality Research, 2018, 18, 2253-2261.	0.9	18
461	Seasonal and diurnal measurements of carbon monoxide and nonmethane hydrocarbons at Mt. Wilson, California: Indirect evidence of atomic Cl in the Los Angeles basin. Atmospheric Environment, 2010, 44, 2271-2279.	1.9	17
462	Summertime C1-C5 alkyl nitrates over Beijing, northern China: Spatial distribution, regional transport, and formation mechanisms. Atmospheric Research, 2018, 204, 102-109.	1.8	17
463	Ocean Biogeochemistry Control on the Marine Emissions of Brominated Very Shortâ€Lived Ozoneâ€Depleting Substances: A Machineâ€Learning Approach. Journal of Geophysical Research D: Atmospheres, 2019, 124, 12319-12339.	1.2	17
464	Metabolic and behavioral features of acute hyperpurinergia and the maternal immune activation mouse model of autism spectrum disorder. PLoS ONE, 2021, 16, e0248771.	1.1	17
465	Limitations in representation of physical processes prevent successful simulation of PM_{2.5} during KORUS-AQ. Atmospheric Chemistry and Physics, 2022, 22, 7933-7958.	1.9	17
466	O3, NOy, and NOx/NOyin the upper troposphere of the equatorial Pacific. Journal of Geophysical Research, 1995, 100, 20913.	3.3	16
467	Ventilation of liquefied petroleum gas components from the Valley of Mexico. Journal of Geophysical Research, 1997, 102, 21197-21207.	3.3	16
468	Transport of radonâ€222 and methyl iodide by deep convection in the GFDL Global Atmospheric Model AM2. Journal of Geophysical Research, 2007, 112, .	3.3	16

#	Article	IF	Citations
469	Power-dependent speciation of volatile organic compounds in aircraft exhaust. Atmospheric Environment, 2012, 61, 275-282.	1.9	16
470	Ozone and alkyl nitrate formation from the Deepwater Horizon oil spill atmospheric emissions. Journal of Geophysical Research, 2012, 117, .	3.3	16
471	Changes in nitrogen oxides emissions in California during 2005â€“2010 indicated from topâ€down and bottomâ€up emission estimates. Journal of Geophysical Research D: Atmospheres, 2014, 119, 12,928.	1.2	16
472	Evidence of mixing between polluted convective outflow and stratospheric air in the upper troposphere during DC3. Journal of Geophysical Research D: Atmospheres, 2014, 119, 11,477.	1.2	16
473	Top-down estimates of anthropogenic VOC emissions in South Korea using formaldehyde vertical column densities from aircraft during the KORUS-AQ campaign. Elementa, 2021, 9, .	1.1	16
474	Influence of convection and biomass burning outflow on tropospheric chemistry over the tropical Pacific. Journal of Geophysical Research, 2000, 105, 9321-9333.	3.3	15
475	Vertical profile and origin of wintertime tropospheric ozone over China during the PEACE-A period. Journal of Geophysical Research, 2004, 109, .	3.3	15
476	Are methyl halides produced on all ice surfaces? Observations from snow-laden field sites. Atmospheric Environment, 2007, 41, 5162-5177.	1.9	15
477	Elevated Carbon Monoxide to Carbon Dioxide Ratio in the Exhaled Breath of Mice Treated With a Single Dose of Lipopolysaccharide. Open Forum Infectious Diseases, 2014, 1, ofu085.	0.4	15
478	Increase in HFCâ€134a emissions in response to the success of the Montreal Protocol. Journal of Geophysical Research D: Atmospheres, 2015, 120, 11,728.	1.2	15
479	Gaseous emissions from the Lotts Creek coal mine fire: Perry County, Kentucky. International Journal of Coal Geology, 2017, 180, 57-66.	1.9	15
480	Methane in cities. Nature, 1990, 347, 432-433.	13.7	14
481	Black carbon in aerosol during BIBLE B. Journal of Geophysical Research, 2003, 108, BIB 3-1.	3.3	14
482	Unexplained enhancements of CH3Br in the Arctic and sub-Arctic lower troposphere during TOPSE spring 2000. Geophysical Research Letters, 2003, 30, .	1.5	14
483	Photochemistry in the Arctic Free Troposphere: Ozone Budget and Its Dependence on Nitrogen Oxides and the Production Rate of Free Radicals. Journal of Atmospheric Chemistry, 2004, 47, 107-138.	1.4	14
484	On the use of nonmethane hydrocarbons for the determination of age spectra in the lower stratosphere. Journal of Geophysical Research, 2007, 112, .	3.3	14
485	Modeling C₁â€“C₄ Alkyl Nitrate Photochemistry and Their Impacts on O₃ Production in Urban and Suburban Environments of Hong Kong. Journal of Geophysical Research D: Atmospheres, 2017, 122, 10,539.	1.2	14
486	Using an Inverse Model to Reconcile Differences in Simulated and Observed Global Ethane Concentrations and Trends Between 2008 and 2014. Journal of Geophysical Research D: Atmospheres, 2018, 123, 11,262.	1.2	14

#	Article	IF	Citations
487	Spatiotemporal variation of methane and other trace hydrocarbon concentrations in the Valley of Mexico. Environmental Science and Policy, 2002, 5, 449-461.	2.4	13
488	Improving regional ozone modeling through systematic evaluation of errors using the aircraft observations during the International Consortium for Atmospheric Research on Transport and Transformation. Journal of Geophysical Research, 2007, 112, .	3.3	13
489	Sources and characteristics of summertime organic aerosol in the Colorado Front Range: perspective from measurements and WRF-Chem modeling. Atmospheric Chemistry and Physics, 2018, 18, 8293-8312.	1.9	13
490	Source Apportionment of Ambient Methane Enhancements in Los Angeles, California, To Evaluate Emission Inventory Estimates. Environmental Science & Technology, 2019, 53, 2961-2970.	4.6	13
491	HCOOH in the Remote Atmosphere: Constraints from Atmospheric Tomography (ATom) Airborne Observations. ACS Earth and Space Chemistry, 2021, 5, 1436-1454.	1.2	13
492	A quantitative assessment of distributions and sources of tropospheric halocarbons measured in Singapore. Science of the Total Environment, 2018, 619-620, 528-544.	3.9	13
493	Springtime photochemical ozone production observed in the upper troposphere over east Asia. Journal of Geophysical Research, 2003, 108, BIB 2-1.	3.3	12
494	Noninvasive Measurement of Plasma Triglycerides and Free Fatty Acids from Exhaled Breath. Journal of Diabetes Science and Technology, 2012, 6, 86-101.	1.3	12
495	Elevated Carbon Monoxide in the Exhaled Breath of Mice during a Systemic Bacterial Infection. PLoS ONE, 2013, 8, e69802.	1.1	12
496	Atmospheric Implications of Large C₂â€C₅ Alkane Emissions From the U.S. Oil and Gas Industry. Journal of Geophysical Research D: Atmospheres, 2019, 124, 1148-1169.	1.2	12
497	Long-term temporal variations and source changes of halocarbons in the Greater Pearl River Delta region, China. Atmospheric Environment, 2020, 234, 117550.	1.9	12
498	Nonmethane hydrocarbon measurements in the North Atlantic Flight Corridor during the Subsonic Assessment Ozone and Nitrogen Oxide Experiment. Journal of Geophysical Research, 2000, 105, 3785-3793.	3.3	11
499	The great Centralia mine fire: A natural laboratory for the study of coal fires. , 2006, , 33-45.		11
500	Spatial and Temporal Variability in Emissions of Fluorinated Gases from a California Landfill. Environmental Science & Technology, 2018, 52, 6789-6797.	4.6	11
501	Meteorological and Chemical Factors Controlling Ozone Formation in Seoul during MAPS-Seoul 2015. Aerosol and Air Quality Research, 2018, 18, 2274-2286.	0.9	11
502	Emission estimates of HCFCs and HFCs in California from the 2010 CalNex study. Journal of Geophysical Research D: Atmospheres, 2013, 118, 2019-2030.	1.2	10
503	Contrasting aerosol refractive index and hygroscopicity in the inflow and outflow of deep convective storms: Analysis of airborne data from DC3. Journal of Geophysical Research D: Atmospheres, 2017, 122, 4565-4577.	1.2	10
504	Leakage Rates of Refrigerants CFC-12, HCFC-22, and HFC-134a from Operating Mobile Air Conditioning Systems in Guangzhou, China: Tests inside a Busy Urban Tunnel under Hot and Humid Weather Conditions. Environmental Science and Technology Letters, 2017, 4, 481-486.	3.9	10

#	Article	IF	Citations
505	Evaluation of Secondary Organic Aerosol (SOA) Simulations for Seoul, Korea. Journal of Advances in Modeling Earth Systems, 2022, 14, .	1.3	10
506	Photochemical ozone budget during the BIBLE A and B campaigns. Journal of Geophysical Research, 2003, 108, BIB 8-1.	3.3	9
507	Reactive nitrogen over the tropical western Pacific: Influence from lightning and biomass burning during BIBLE A. Journal of Geophysical Research, 2003, 108, BIB 7-1.	3.3	9
508	Relations between isoprene and nitric oxide in exhaled breath and the potential influence of outdoor ozone: a pilot study. Journal of Breath Research, 2013, 7, 036007.	1.5	9
509	Wildfire Smoke Exposure: Covid19 Comorbidity?. Journal of Respiration, 2021, 1, 74-79.	0.4	9
510	Photochemical evolution of the 2013 California Rim Fire: synergistic impacts of reactive hydrocarbons and enhanced oxidants. Atmospheric Chemistry and Physics, 2022, 22, 4253-4275.	1.9	9
511	Source and variability of formaldehyde (HCHO) at northern high latitudes: an integrated satellite, aircraft, and model study. Atmospheric Chemistry and Physics, 2022, 22, 7163-7178.	1.9	9
512	Continental outflow from the US to the upper troposphere over the North Atlantic during the NASA INTEX-NA Airborne Campaign. Atmospheric Chemistry and Physics, 2008, 8, 1989-2005.	1.9	8
513	Simulating the Weekly Cycle of NO x â€VOCâ€HO x â€O 3 Photochemical System in the South Coast of California During CalNexâ€2010 Campaign. Journal of Geophysical Research D: Atmospheres, 2019, 124, 3532-3555.	1.2	8
514	Evidence for an Oceanic Source of Methyl Ethyl Ketone to the Atmosphere. Geophysical Research Letters, 2020, 47, e2019GL086045.	1.5	8
515	Large hemispheric difference in nucleation mode aerosol concentrations in the lowermost stratosphere at mid- and high latitudes. Atmospheric Chemistry and Physics, 2021, 21, 9065-9088.	1.9	8
516	Contribution of Organic Nitrates to Organic Aerosol over South Korea during KORUS-AQ. Environmental Science & Technology, 2021, 55, 16326-16338.	4.6	8
517	Effect of local and regional sources on the isotopic composition of nitrous oxide in the tropical free troposphere and tropopause layer. Journal of Geophysical Research, 2010, 115, .	3.3	7
518	Evidence of Nighttime Production of Organic Nitrates During SEAC 4 RS, FRAPPÃ‰, and KORUSâ€AQ. Geophysical Research Letters, 2020, 47, e2020GL087860.	1.5	7
519	Mechanisms that influence the formation of highâ€ozone regions in the boundary layer downwind of the Asian continent in winter and spring. Journal of Geophysical Research, 2008, 113, .	3.3	6
520	Baseline measurements of ethene in 2002: Implications for increased ethanol use and biomass burning on air quality and ecosystems. Atmospheric Environment, 2012, 56, 161-168.	1.9	6
521	Nighttime air quality under desert conditions. Atmospheric Environment, 2015, 114, 102-111.	1.9	6
522	An aerosol particle containing enriched uranium encountered in the remote upper troposphere. Journal of Environmental Radioactivity, 2018, 184-185, 95-100.	0.9	6

#	Article	IF	Citations
523	Evolution of formaldehyde (HCHO) in a plume originating from a petrochemical industry and its volatile organic compounds (VOCs) emission rate estimation. Elementa, 2021, 9, .	1.1	6
524	Observations of Volatile Organic Compounds in the Los Angeles Basin during COVID-19. ACS Earth and Space Chemistry, 2021, 5, 3045-3055.	1.2	6
525	Observations of atmospheric oxidation and ozone production in South Korea. Atmospheric Environment, 2022, 269, 118854.	1.9	6
526	On the variability of tropospheric gases: Sampling, loss patterns, and lifetime. Journal of Geophysical Research, 2002, 107, ACH 4-1-ACH 4-10.	3.3	5
527	Central/eastern North Pacific photochemical precursor distributions for fall/spring seasons as defined by airborne field studies. Journal of Geophysical Research, 2003, 108, .	3.3	5
528	Sources of upper tropospheric HOxover the South Pacific Convergence Zone: A case study. Journal of Geophysical Research, 2003, 108, PEM 1-1.	3.3	5
529	Strong evidence for negligible methyl chloroform (CH3CCl3) emissions from biomass burning. Geophysical Research Letters, 2007, 34, .	1.5	5
530	High-Global Warming Potential F-gas Emissions in California: Comparison of Ambient-Based versus Inventory-Based Emission Estimates, and Implications of Refined Estimates. Environmental Science & Technology, 2014, 48, 1084-1093.	4.6	5
531	Wintertime Transport of Reactive Trace Gases From East Asia Into the Deep Tropics. Journal of Geophysical Research D: Atmospheres, 2018, 123, 12,877.	1.2	5
532	Emission of volatile halogenated organic compounds over various Dead Sea landscapes. Atmospheric Chemistry and Physics, 2019, 19, 7667-7690.	1.9	5
533	Field observational constraints on the controllers in glyoxal (CHOCHO) reactive uptake to aerosol. Atmospheric Chemistry and Physics, 2022, 22, 805-821.	1.9	5
534	Rapid industrialization in developing countries: the challenge to earth system research for the new millennium. Atmospheric Environment, 1999, 33, 683-684.	1.9	4
535	BIBLE A whole-air sampling as a window on Asian biogeochemistry. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	4
536	Study of Black Sand Particles from Sand Dunes in Badr, Saudi Arabia Using Electron Microscopy. Atmosphere, 2015, 6, 1175-1194.	1.0	4
537	Constraining Emission Estimates of CFC-11 in Eastern China Based on Local Observations at Surface Stations and Mount Tai. Environmental Science and Technology Letters, 0, , .	3.9	4
538	Long-term atmospheric emissions for the Coal Oil Point natural marine hydrocarbon seep field, offshore California. Atmospheric Chemistry and Physics, 2021, 21, 17607-17629.	1.9	4
539	Fueling Asian modernization. Environmental Science and Policy, 1999, 2, 5-8.	2.4	3
540	Airborne measurements of cirrusâ€activated C 2 Cl 4 depletion in the upper troposphere with evidence against Cl reactions. Geophysical Research Letters, 2003, 30, .	1.5	3

#	Article	IF	Citations
541	Chemical composition of tropospheric air masses encountered during high altitude flights (>11.5Âkm) during the 2009 fall Operation Ice Bridge field campaign. Journal of Geophysical Research, 2012, 117, .	3.3	3
542	Hydrocarbon Tracers Suggest Methane Emissions from Fossil Sources Occur Predominately Before Gas Processing and That Petroleum Plays Are a Significant Source. Environmental Science & Technology, 0, , .	4.6	3
543	Reply to â€œComment on â€˜Long-term atmospheric measurements of C1â€“C5 alkyl nitrates in the Pearl River Delta region of southeast Chinaâ€™â€• Atmospheric Environment, 2007, 41, 7371-7372.	1.9	2
544	Authors response to the above comment by M. Vogt et al. on â€œNew Directions: Enhancing the natural cycle to slow global warmingâ€• Atmospheric Environment, 2008, 42, 4806-4809.	1.9	2
545	Methyl chloride and the U.S. cigarette. Nicotine and Tobacco Research, 2008, 10, 1621-1625.	1.4	2
546	New Directions: Restoring the westerly winds in the Southern Hemisphere: Climateâ€™s lever. Atmospheric Environment, 2010, 44, 3866-3868.	1.9	2
547	Assessing a New Clue to How Much Carbon Plants Take Up. Eos, 2017, , .	0.1	2
548	Validation of in situ and remote sensing-derived methane refinery emissions in a complex wind environment and chemical implications. Atmospheric Environment, 2022, 273, 118900.	1.9	2
549	Understanding the Sources of Ambient Fine Particulate Matter (PM2.5) in Jeddah, Saudi Arabia. Atmosphere, 2022, 13, 711.	1.0	2
550	Trace gases in the atmospehre: Temporal and spatial trends. AIP Conference Proceedings, 1992, , .	0.3	1
551	Correction to â€œObservations of ozone and related species in the northeast Pacific during the PHOBEA campaigns: 2. Airborne observationsâ€•by Robert A. Kotchenruther et al.. Journal of Geophysical Research, 2001, 106, 20507-20508.	3.3	1
552	Kai, Tyler, Randerson & Blake reply. Nature, 2012, 486, E4-E4.	13.7	1
553	Quantification of Aerosol Hydrofluoroalkane HFAâ€134a Elimination in the Exhaled Human Breath Following Inhaled Corticosteroids Administration. Clinical and Translational Science, 2015, 8, 445-450.	1.5	1
554	Long-term variations of C1â€“C5 alkyl nitrates and their sources in Hong Kong. Environmental Pollution, 2021, 270, 116285.	3.7	1
555	Analysis of Coal-Mine-Fire Gas. , 2011, , 127-134.		0
556	F. Sherwood Rowland (1927â€“2012). Science, 2012, 336, 170-170.	6.0	0
557	World-Wide Increase in Tropospheric Methane, 1978â€“1983. , 1986, , 241-260.		0
558	CFC-11 measurements in China, Nepal, Pakistan, Saudi Arabia and South Korea (1998â€“2018): Urban, landfill fire and garbage burning sources. Environmental Chemistry, 2022, 18, 370-392.	0.7	0