

# David D Parrish

## List of Publications by Year in descending order

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237  
papers

26,065  
citations

4955

84  
h-index

8384

147  
g-index

265  
all docs

265  
docs citations

265  
times ranked

13726  
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term trend of ozone in southern China reveals future mitigation strategy for air pollution. <i>Atmospheric Environment</i> , 2022, 269, 118869.	1.9	34
2	Changes in anthropogenic precursor emissions drive shifts in the ozone seasonal cycle throughout the northern midlatitude troposphere. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3507-3524.	1.9	10
3	The formation and mitigation of nitrate pollution: comparison between urban and suburban environments. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 4539-4556.	1.9	27
4	Observational-based assessment of contributions to maximum ozone concentrations in the western United States. <i>Journal of the Air and Waste Management Association</i> , 2022, 72, 434-454.	0.9	7
5	Analysis and assessment of the observed long-term changes over three decades in ground-level ozone across north-west Europe from 1989 - 2018. <i>Atmospheric Environment</i> , 2022, 286, 119222.	1.9	7
6	Long-term trend of ozone pollution in China during 2014–2020: distinct seasonal and spatial characteristics and ozone sensitivity. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 8935-8949.	1.9	43
7	Long-term changes in northern mid-latitude tropospheric ozone concentrations: Synthesis of two recent analyses. <i>Atmospheric Environment</i> , 2021, 248, 118227.	1.9	10
8	Intercomparison of the representations of the atmospheric chemistry of pre-industrial methane and ozone in earth system and other global chemistry-transport models. <i>Atmospheric Environment</i> , 2021, 248, 118248.	1.9	5
9	Investigations on the anthropogenic reversal of the natural ozone gradient between northern and southern midlatitudes. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 9669-9679.	1.9	8
10	Long-term baseline ozone changes in the Western US: A synthesis of analyses. <i>Journal of the Air and Waste Management Association</i> , 2021, 71, 1397-1406.	0.9	4
11	Quantifying the role of PM <sub>2.5</sub> drooping in variations of ground-level ozone: Inter-comparison between Beijing and Los Angeles. <i>Science of the Total Environment</i> , 2021, 788, 147712.	3.9	54
12	Large contribution of biomass burning emissions to ozone throughout the global remote troposphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	51
13	Seasonal cycles in baseline mixing ratios of a large number of trace gases at the Mace Head, Ireland atmospheric research station. <i>Atmospheric Environment</i> , 2020, 233, 117531.	1.9	4
14	Zonal Similarity of Long-Term Changes and Seasonal Cycles of Baseline Ozone at Northern Midlatitudes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031908.	1.2	27
15	Global-scale distribution of ozone in the remote troposphere from the ATom and HIPPO airborne field missions. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 10611-10635.	1.9	31
16	Exploring the drivers of the increased ozone production in Beijing in summertime during 2005–2016. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 15617-15633.	1.9	48
17	Flexible approach for quantifying average long-term changes and seasonal cycles of tropospheric trace species. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 3383-3394.	1.2	8
18	Estimating background contributions and US anthropogenic enhancements to maximum ozone concentrations in the northern US. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 12587-12605.	1.9	8

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19	Hydrocarbon Removal in Power Plant Plumes Shows Nitrogen Oxide Dependence of Hydroxyl Radicals. <i>Geophysical Research Letters</i> , 2019, 46, 7752-7760.	1.5	9
20	Uncertainties in models of tropospheric ozone based on Monte Carlo analysis: Tropospheric ozone burdens, atmospheric lifetimes and surface distributions. <i>Atmospheric Environment</i> , 2018, 180, 93-102.	1.9	31
21	Tropospheric Ozone Assessment Report: Assessment of global-scale model performance for global and regional ozone distributions, variability, and trends. <i>Elementa</i> , 2018, 6, .	1.1	177
22	Reversal of Long-term Trend in Baseline Ozone Concentrations at the North American West Coast. <i>Geophysical Research Letters</i> , 2017, 44, 10,675.	1.5	24
23	Ozone Design Values in Southern California's Air Basins: Temporal Evolution and U.S. Background Contribution. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 11,166.	1.2	31
24	Transition from high- to low-NO <sub>x</sub> control of night-time oxidation in the southeastern US. <i>Nature Geoscience</i> , 2017, 10, 490-495.	5.4	56
25	Tropospheric Ozone Assessment Report: Database and metrics data of global surface ozone observations. <i>Elementa</i> , 2017, 5, .	1.1	172
26	Instrumentation and measurement strategy for the NOAA SENEX aircraft campaign as part of the Southeast Atmosphere Study 2013. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 3063-3093.	1.2	58
27	Seasonal cycles of O <sub>3</sub> in the marine boundary layer: Observation and model simulation comparisons. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 538-557.	1.2	29
28	Nighttime chemistry at a high altitude site above Hong Kong. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2457-2475.	1.2	78
29	Analysis of long-term observations of NO <sub>x</sub> and CO in megacities and application to constraining emissions inventories. <i>Geophysical Research Letters</i> , 2016, 43, 9920-9930.	1.5	69
30	Interhemispheric differences in seasonal cycles of tropospheric ozone in the marine boundary layer: Observation-model comparisons. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 11,075.	1.2	19
31	HONO emission and production determined from airborne measurements over the Southeast U.S.. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 9237-9250.	1.2	46
32	Air quality improvement in Los Angeles—perspectives for developing cities. <i>Frontiers of Environmental Science and Engineering</i> , 2016, 10, 1.	3.3	44
33	Challenges of a lowered U.S. ozone standard. <i>Science</i> , 2015, 348, 1096-1097.	6.0	89
34	Quantifying atmospheric methane emissions from the Haynesville, Fayetteville, and northeastern Marcellus shale gas production regions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 2119-2139.	1.2	164
35	Urbanization and Air Pollution: Then and Now. <i>Eos</i> , 2015, , .	0.1	11
36	Reduced emissions of CO <sub>2</sub> , NO <sub>x</sub> , and SO <sub>2</sub> from U.S. power plants owing to switch from coal to natural gas with combined cycle technology. <i>Earth's Future</i> , 2014, 2, 75-82.	2.4	219

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37	High winter ozone pollution from carbonyl photolysis in an oil and gas basin. <i>Nature</i> , 2014, 514, 351-354.	13.7	265
38	Long-term changes in lower tropospheric baseline ozone concentrations: Comparing chemistry-climate models and observations at northern midlatitudes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 5719-5736.	1.2	149
39	Chlorine as a primary radical: evaluation of methods to understand its role in initiation of oxidative cycles. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3427-3440.	1.9	90
40	Global distribution and trends of tropospheric ozone: An observation-based review. <i>Elementa</i> , 2014, 2, .	1.1	365
41	The 2010 California Research at the Nexus of Air Quality and Climate Change (CalNex) field study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 5830-5866.	1.2	199
42	Lower tropospheric ozone at northern midlatitudes: Changing seasonal cycle. <i>Geophysical Research Letters</i> , 2013, 40, 1631-1636.	1.5	95
43	Scaling Relationship for NO <sub>2</sub> Pollution and Urban Population Size: A Satellite Perspective. <i>Environmental Science &amp; Technology</i> , 2013, 47, 7855-7861.	4.6	176
44	Magnitude, Decadal Changes, and Impact of Regional Background Ozone Transported into the Greater Houston, Texas, Area. <i>Environmental Science &amp; Technology</i> , 2013, 47, 13985-13992.	4.6	36
45	Emission ratios of anthropogenic volatile organic compounds in northern mid-latitude megacities: Observations versus emission inventories in Los Angeles and Paris. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 2041-2057.	1.2	210
46	Ozone photochemistry in an oil and natural gas extraction region during winter: simulations of a snow-free season in the Uintah Basin, Utah. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 8955-8971.	1.9	100
47	Biogenic VOC oxidation and organic aerosol formation in an urban nocturnal boundary layer: aircraft vertical profiles in Houston, TX. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 11317-11337.	1.9	51
48	Trends in ozone, its precursors, and related secondary oxidation products in Los Angeles, California: A synthesis of measurements from 1960 to 2010. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 5893-5911.	1.2	115
49	Quantifying sources of methane using light alkanes in the Los Angeles basin, California. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 4974-4990.	1.2	167
50	Photochemical aging of volatile organic compounds in the Los Angeles basin: Weekday-weekend effect. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 5018-5028.	1.2	54
51	Chemical data quantify <i>Deepwater Horizon</i> hydrocarbon flow rate and environmental distribution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20246-20253.	3.3	258
52	Long-term changes in lower tropospheric baseline ozone concentrations at northern mid-latitudes. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 11485-11504.	1.9	260
53	Primary and secondary sources of formaldehyde in urban atmospheres: Houston Texas region. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 3273-3288.	1.9	153
54	Air quality implications of the <i>Deepwater Horizon</i> oil spill. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 20280-20285.	3.3	79

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55	Gasoline emissions dominate over diesel in formation of secondary organic aerosol mass. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	189
56	Airborne and ground-based observations of a weekend effect in ozone, precursors, and oxidation products in the California South Coast Air Basin. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	97
57	Observations of ozone transport from the free troposphere to the Los Angeles basin. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	38
58	Effects of NO <sub>x</sub> control and plume mixing on nighttime chemical processing of plumes from coal-fired power plants. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	20
59	Ozone and alkyl nitrate formation from the Deepwater Horizon oil spill atmospheric emissions. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	16
60	Ammonia sources in the California South Coast Air Basin and their impact on ammonium nitrate formation. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	110
61	Multiyear trends in volatile organic compounds in Los Angeles, California: Five decades of decreasing emissions. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	183
62	Airborne observations of methane emissions from rice cultivation in the Sacramento Valley of California. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	50
63	Volatile organic compounds (VOCs) in urban air: How chemistry affects the interpretation of positive matrix factorization (PMF) analysis. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	207
64	Increasing atmospheric burden of ethanol in the United States. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	41
65	City lights and urban air. <i>Nature Geoscience</i> , 2011, 4, 730-731.	5.4	29
66	Establishing Policy Relevant Background (PRB) Ozone Concentrations in the United States. <i>Environmental Science &amp; Technology</i> , 2011, 45, 9484-9497.	4.6	70
67	Atmospheric emissions from the Deepwater Horizon spill constrain air-water partitioning, hydrocarbon fate, and leak rate. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	107
68	Budgets for nocturnal VOC oxidation by nitrate radicals aloft during the 2006 Texas Air Quality Study. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	63
69	Measurement of western U.S. baseline ozone from the surface to the tropopause and assessment of downwind impact regions. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	71
70	Organic Aerosol Formation Downwind from the Deepwater Horizon Oil Spill. <i>Science</i> , 2011, 331, 1295-1299.	6.0	162
71	Characterizing summertime chemical boundary conditions for airmasses entering the US West Coast. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1769-1790.	1.9	90
72	Dependence of daily peak O <sub>3</sub> concentrations near Houston, Texas on environmental factors: Wind speed, temperature, and boundary-layer depth. <i>Atmospheric Environment</i> , 2011, 45, 162-173.	1.9	60

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73	Air quality progress in North American megacities: A review. <i>Atmospheric Environment</i> , 2011, 45, 7015-7025.	1.9	196
74	Comparison between the TOPAZ Airborne Ozone Lidar and In Situ Measurements during TexAQS 2006. <i>Journal of Atmospheric and Oceanic Technology</i> , 2011, 28, 1243-1257.	0.5	17
75	Impacts of transported background ozone on California air quality during the ARCTAS-CARB period – a multi-scale modeling study. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 6947-6968.	1.9	63
76	Impact of transported background ozone inflow on summertime air quality in a California ozone exceedance area. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 10093-10109.	1.9	73
77	Methane emissions inventory verification in southern California. <i>Atmospheric Environment</i> , 2010, 44, 1-7.	1.9	112
78	Increasing springtime ozone mixing ratios in the free troposphere over western North America. <i>Nature</i> , 2010, 463, 344-348.	13.7	397
79	A top-down analysis of emissions from selected Texas power plants during TexAQS 2000 and 2006. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	60
80	Characterization of NO <sub>x</sub> , SO <sub>2</sub> , ethene, and propene from industrial emission sources in Houston, Texas. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	44
81	Clean Air for Megacities. <i>Science</i> , 2009, 326, 674-675.	6.0	206
82	Comparison of air pollutant emissions among mega-cities. <i>Atmospheric Environment</i> , 2009, 43, 6435-6441.	1.9	123
83	Atmospheric composition change – global and regional air quality. <i>Atmospheric Environment</i> , 2009, 43, 5268-5350.	1.9	714
84	Overview of the Second Texas Air Quality Study (TexAQS II) and the Gulf of Mexico Atmospheric Composition and Climate Study (GoMACCS). <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	162
85	Contributions of regional transport and local sources to ozone exceedances in Houston and Dallas: Comparison of results from a photochemical grid model to aircraft and surface measurements. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	34
86	Relationship between photochemical ozone production and NO <sub>x</sub> oxidation in Houston, Texas. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	36
87	Carbonyl sulfide as an inverse tracer for biogenic organic carbon in gas and aerosol phases. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	11
88	Airborne Measurements of Ethene from Industrial Sources Using Laser Photo-Acoustic Spectroscopy. <i>Environmental Science &amp; Technology</i> , 2009, 43, 2437-2442.	4.6	57
89	Increasing ozone in marine boundary layer inflow at the west coasts of North America and Europe. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 1303-1323.	1.9	144
90	Nonmethane hydrocarbons at Pico Mountain, Azores: 1. Oxidation chemistry in the North Atlantic region. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	46

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91	Nonmethane hydrocarbons at Pico Mountain, Azores: 2. Event-specific analyses of the impacts of mixing and photochemistry on hydrocarbon ratios. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	22
92	Lagrangian analysis of low altitude anthropogenic plume processing across the North Atlantic. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 7737-7754.	1.9	48
93	Atmospheric in situ measurement of nitrate radical (NO <sub>3</sub> ) and other photolysis rates using spectroradiometry and filter radiometry. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	39
94	Effects of mixing on evolution of hydrocarbon ratios in the troposphere. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	140
95	Determination of urban volatile organic compound emission ratios and comparison with an emissions database. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	254
96	Effects of changing power plant NO <sub>x</sub> emissions on ozone in the eastern United States: Proof of concept. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	226
97	Reactive nitrogen transport and photochemistry in urban plumes over the North Atlantic Ocean. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	83
98	Establishing Lagrangian connections between observations within air masses crossing the Atlantic during the International Consortium for Atmospheric Research on Transport and Transformation experiment. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	60
99	International Consortium for Atmospheric Research on Transport and Transformation (ICARTT): North America to Europe-Overview of the 2004 summer field study. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	222
100	A Multiwinter Analysis of Channeled Flow through a Prominent Gap along the Northern California Coast during CALJET and PACJET. <i>Monthly Weather Review</i> , 2006, 134, 1815-1841.	0.5	26
101	Critical evaluation of US on-road vehicle emission inventories. <i>Atmospheric Environment</i> , 2006, 40, 2288-2300.	1.9	220
102	Air Emission Inventories in North America: A Critical Assessment. <i>Journal of the Air and Waste Management Association</i> , 2006, 56, 1115-1129.	0.9	37
103	North American Regional Reanalysis. <i>Bulletin of the American Meteorological Society</i> , 2006, 87, 343-360.	1.7	2,864
104	Turbulence and Gravity Waves within an Upper-Level Front. <i>Journals of the Atmospheric Sciences</i> , 2005, 62, 3885-3908.	0.6	89
105	Aircraft observations of daytime NO <sub>3</sub> and N <sub>2</sub> O <sub>5</sub> and their implications for tropospheric chemistry. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 176, 270-278.	2.0	70
106	Temporal Changes in U.S. Benzene Emissions Inferred from Atmospheric Measurements. <i>Environmental Science &amp; Technology</i> , 2005, 39, 1403-1408.	4.6	61
107	A springtime comparison of tropospheric ozone and transport pathways on the east and west coasts of the United States. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	47
108	An investigation of the chemistry of ship emission plumes during ITCT 2002. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	103

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109	Direct transport of midlatitude stratospheric ozone into the lower troposphere and marine boundary layer of the tropical Pacific Ocean. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	84
110	Lagrangian transport model forecasts and a transport climatology for the Intercontinental Transport and Chemical Transformation 2002 (ITCT 2K2) measurement campaign. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	60
111	A case study of transpacific warm conveyor belt transport: Influence of merging airstreams on trace gas import to North America. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	169
112	Photostationary state deviation—estimated peroxy radicals and their implications for HOx and ozone photochemistry at a remote northern Atlantic coastal site. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	17
113	On the life cycle of a stratospheric intrusion and its dispersion into polluted warm conveyor belts. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	80
114	A case study of stratosphere-troposphere exchange during the 1996 North Atlantic Regional Experiment. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	5
115	Export of NO <sub>y</sub> from the North American boundary layer: Reconciling aircraft observations and global model budgets. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	75
116	Distributions of ozone in the region of the subtropical jet: An analysis of in situ aircraft measurements. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	16
117	Particle characteristics following cloud-modified transport from Asia to North America. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	86
118	Chemical composition of air masses transported from Asia to the U.S. West Coast during ITCT 2K2: Fossil fuel combustion versus biomass-burning signatures. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	89
119	Fraction and composition of NO <sub>y</sub> transported in air masses lofted from the North American continental boundary layer. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	37
120	Gas-phase chemical characteristics of Asian emission plumes observed during ITCT 2K2 over the eastern North Pacific Ocean. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	80
121	Evaluation of GOME satellite measurements of tropospheric NO <sub>2</sub> and HCHO using regional data from aircraft campaigns in the southeastern United States. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	113
122	Measurement of peroxy-carboxylic nitric anhydrides (PANs) during the ITCT 2K2 aircraft intensive experiment. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	63
123	Ozone production in transpacific Asian pollution plumes and implications for ozone air quality in California. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	197
124	Changes in the photochemical environment of the temperate North Pacific troposphere in response to increased Asian emissions. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	86
125	Intercontinental Transport and Chemical Transformation 2002 (ITCT 2K2) and Pacific Exploration of Asian Continental Emission (PEACE) experiments: An overview of the 2002 winter and spring intensives. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	97
126	Nitric acid loss rates measured in power plant plumes. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	22



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127	Forecasting for a Lagrangian aircraft campaign. Atmospheric Chemistry and Physics, 2004, 4, 1113-1124.	1.9	21
128	Determination of emissions from observations of atmospheric compounds. Advances in Global Change Research, 2004, , 427-476.	1.6	1
129	Signatures of terminal alkene oxidation in airborne formaldehyde measurements during TexAQs 2000. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	126
130	Particle growth in urban and industrial plumes in Texas. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	109
131	Emission sources and ocean uptake of acetonitrile (CH <sub>3</sub> CN) in the atmosphere. Journal of Geophysical Research, 2003, 108, .	3.3	179
132	Effect of petrochemical industrial emissions of reactive alkenes and NO <sub>x</sub> on tropospheric ozone formation in Houston, Texas. Journal of Geophysical Research, 2003, 108, .	3.3	263
133	Increasing background ozone during spring on the west coast of North America. Geophysical Research Letters, 2003, 30, .	1.5	164
134	Variability in ammonium nitrate formation and nitric acid depletion with altitude and location over California. Journal of Geophysical Research, 2003, 108, .	3.3	84
135	Fossil-fueled power plants as a source of atmospheric carbon monoxide. Journal of Environmental Monitoring, 2003, 5, 35-39.	2.1	28
136	Export of NO <sub>y</sub> from the North American boundary layer during 1996 and 1997 North Atlantic Regional Experiments. Journal of Geophysical Research, 2002, 107, ACH 11-1-ACH 11-13.	3.3	58
137	Ozone production from Canadian wildfires during June and July of 1995. Journal of Geophysical Research, 2002, 107, ACH 7-1.	3.3	155
138	Decadal change in carbon monoxide to nitrogen oxide ratio in U.S. vehicular emissions. Journal of Geophysical Research, 2002, 107, ACH 5-1.	3.3	88
139	Trace gas composition of midlatitude cyclones over the western North Atlantic Ocean: A conceptual model. Journal of Geophysical Research, 2002, 107, ACH 1-1.	3.3	72
140	Trace gas composition of midlatitude cyclones over the western North Atlantic Ocean: A seasonal comparison of O <sub>3</sub> and CO. Journal of Geophysical Research, 2002, 107, ACH 2-1.	3.3	50
141	Particle growth in the plumes of coal-fired power plants. Journal of Geophysical Research, 2002, 107, AAC 9-1.	3.3	85
142	Transatlantic transport of pollution and its effects on surface ozone in Europe and North America. Journal of Geophysical Research, 2002, 107, ACH 4-1.	3.3	253
143	Fast-response airborne in situ measurements of HNO <sub>3</sub> during the Texas 2000 Air Quality Study. Journal of Geophysical Research, 2002, 107, ACH 8-1.	3.3	94
144	Stratospheric versus pollution influences on ozone at Bermuda: Reconciling past analyses. Journal of Geophysical Research, 2002, 107, ACH 1-1.	3.3	53

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145	Electrical discharge source for tropospheric ozone-rich transients. Journal of Geophysical Research, 2002, 107, ACH 16-1.	3.3	30
146	Airborne vacuum ultraviolet resonance fluorescence instrument for in situ measurement of CO. Journal of Geophysical Research, 2001, 106, 24237-24244.	3.3	14
147	Alkyl nitrate measurements during STERAO 1996 and NARE 1997: Intercomparison and survey of results. Journal of Geophysical Research, 2001, 106, 23043-23053.	3.3	15
148	Trace gas signatures of the airstreams within North Atlantic cyclones: Case studies from the North Atlantic Regional Experiment (NARE 1997) aircraft intensive. Journal of Geophysical Research, 2001, 106, 5437-5456.	3.3	121
149	Isoprene and its oxidation products, methacrolein and methylvinyl ketone, at an urban forested site during the 1999 Southern Oxidants Study. Journal of Geophysical Research, 2001, 106, 8035-8046.	3.3	93
150	Observations of Ozone Formation in Power Plant Plumes and Implications for Ozone Control Strategies. Science, 2001, 292, 719-723.	6.0	258
151	Methods for gas-phase measurements of ozone, ozone precursors and aerosol precursors. Atmospheric Environment, 2000, 34, 1921-1957.	1.9	129
152	Review of observation-based analysis of the regional factors influencing ozone concentrations. Atmospheric Environment, 2000, 34, 2045-2061.	1.9	129
153	Numerical simulations of the July 10 Stratospheric-Tropospheric Experiment: Radiation, Aerosols, and Ozone/Deep Convection Experiment convective system: Kinematics and transport. Journal of Geophysical Research, 2000, 105, 19973-19990.	3.3	52
154	Airborne intercomparison of vacuum ultraviolet fluorescence and tunable diode laser absorption measurements of tropospheric carbon monoxide. Journal of Geophysical Research, 2000, 105, 24251-24261.	3.3	141
155	Mixing of anthropogenic pollution with stratospheric ozone: A case study from the North Atlantic wintertime troposphere. Journal of Geophysical Research, 2000, 105, 24363-24374.	3.3	56
156	Airborne measurements of isoprene, CO, and anthropogenic hydrocarbons and their implications. Journal of Geophysical Research, 2000, 105, 9091-9105.	3.3	71
157	An overview of the Stratospheric-Tropospheric Experiment: Radiation, Aerosols, and Ozone (STERAO)-Deep Convection experiment with results for the July 10, 1996 storm. Journal of Geophysical Research, 2000, 105, 10023-10045.	3.3	98
158	Do emissions from ships have a significant impact on concentrations of nitrogen oxides in the marine boundary layer?. Geophysical Research Letters, 2000, 27, 2229-2232.	1.5	75
159	Design and initial characterization of an inlet for gas-phase NO <sub>y</sub> measurements from aircraft. Journal of Geophysical Research, 1999, 104, 5483-5492.	3.3	110
160	Trace gas mixing ratio variability versus lifetime in the troposphere and stratosphere: Observations. Journal of Geophysical Research, 1999, 104, 16091-16113.	3.3	86
161	The Nonmethane Hydrocarbon Intercomparison Experiment (NOMHICE): Task 3. Journal of Geophysical Research, 1999, 104, 26069-26086.	3.3	58
162	An internally consistent set of globally distributed atmospheric carbon monoxide mixing ratios developed using results from an intercomparison of measurements. Journal of Geophysical Research, 1998, 103, 19285-19293.	3.3	73

#	ARTICLE	IF	CITATIONS
163	Spatial and temporal variability of nonmethane hydrocarbon mixing ratios and their relation to photochemical lifetime. <i>Journal of Geophysical Research</i> , 1998, 103, 13557-13567.	3.3	90
164	Measurements of nitrogen oxides and a simple model of NO <sub>y</sub> fate in the remote North Atlantic marine atmosphere. <i>Journal of Geophysical Research</i> , 1998, 103, 13489-13503.	3.3	17
165	Measurement of alkyl nitrates at Chebogue Point, Nova Scotia during the 1993 North Atlantic Regional Experiment (NARE) intensive. <i>Journal of Geophysical Research</i> , 1998, 103, 13569-13580.	3.3	61
166	Relationships between ozone and carbon monoxide at surface sites in the North Atlantic region. <i>Journal of Geophysical Research</i> , 1998, 103, 13357-13376.	3.3	231
167	Photochemical production and loss rates of ozone at Sable Island, Nova Scotia during the North Atlantic Regional Experiment (NARE) 1993 summer intensive. <i>Journal of Geophysical Research</i> , 1998, 103, 13531-13555.	3.3	18
168	Photochemical ozone production in the rural southeastern United States during the 1990 Rural Oxidants in the Southern Environment (ROSE) program. <i>Journal of Geophysical Research</i> , 1998, 103, 22491-22508.	3.3	74
169	Daytime buildup and nighttime transport of urban ozone in the boundary layer during a stagnation episode. <i>Journal of Geophysical Research</i> , 1998, 103, 22519-22544.	3.3	141
170	Atmospheric chemistry and distribution of formaldehyde and several multioxygenated carbonyl compounds during the 1995 Nashville/Middle Tennessee Ozone Study. <i>Journal of Geophysical Research</i> , 1998, 103, 22449-22462.	3.3	146
171	Preface [to special section on North Atlantic Regional Experiment (NARE II)]. <i>Journal of Geophysical Research</i> , 1998, 103, 13353-13355.	3.3	9
172	Internal consistency tests for evaluation of measurements of anthropogenic hydrocarbons in the troposphere. <i>Journal of Geophysical Research</i> , 1998, 103, 22339-22359.	3.3	91
173	Hydrogen peroxide dry deposition lifetime determined from observed loss rates in a power plant plume. <i>Journal of Geophysical Research</i> , 1998, 103, 22617-22628.	3.3	17
174	Emissions lifetimes and ozone formation in power plant plumes. <i>Journal of Geophysical Research</i> , 1998, 103, 22569-22583.	3.3	192
175	Comparisons of airborne lidar measurements of ozone with airborne in situ measurements during the 1995 Southern Oxidants Study. <i>Journal of Geophysical Research</i> , 1998, 103, 31155-31171.	3.3	21
176	The role of anthropogenic emissions of NO <sub>x</sub> on tropospheric ozone over the North Atlantic Ocean: A three-dimensional, global model study. <i>Atmospheric Environment</i> , 1996, 30, 1739-1749.	1.9	12
177	Local meteorological features affecting chemical measurements at a North Atlantic coastal site. <i>Journal of Geophysical Research</i> , 1996, 101, 28935-28946.	3.3	22
178	North Atlantic Regional Experiment 1993 Summer Intensive: Foreword. <i>Journal of Geophysical Research</i> , 1996, 101, 28869-28875.	3.3	47
179	Meteorological mechanisms for transporting O <sub>3</sub> over the western North Atlantic Ocean: A case study for August 24-29, 1993. <i>Journal of Geophysical Research</i> , 1996, 101, 29213-29227.	3.3	63
180	Ground-based measurements of NO <sub>x</sub> and total reactive oxidized nitrogen (NO <sub>y</sub> ) at Sable Island, Nova Scotia, during the NARE 1993 summer intensive. <i>Journal of Geophysical Research</i> , 1996, 101, 28991-29004.	3.3	37

#	ARTICLE	IF	CITATIONS
181	Transport and processing of O <sub>3</sub> and O <sub>3</sub> precursors over the North Atlantic: An overview of the 1993 North Atlantic Regional Experiment (NARE) summer intensive. <i>Journal of Geophysical Research</i> , 1996, 101, 28877-28891.	3.3	74
182	Episodic removal of NO <sub>y</sub> species from the marine boundary layer over the North Atlantic. <i>Journal of Geophysical Research</i> , 1996, 101, 28947-28960.	3.3	54
183	Factors influencing the concentration of gas phase hydrogen peroxide during the summer at Kinterbish, Alabama. <i>Journal of Geophysical Research</i> , 1995, 100, 22841.	3.3	24
184	Development of a semi-continuous method for the measurement of nitric acid vapor and particulate nitrate and sulfate. <i>Atmospheric Environment</i> , 1995, 29, 2609-2624.	1.9	46
185	Regional photochemical measurement and modeling studies conference San Diego, California 8-12 November 1993. <i>Atmospheric Environment</i> , 1995, 29, 2885-2886.	1.9	1
186	Factors influencing the concentration of gas phase hydrogen peroxide during the summer at Niwot Ridge, Colorado. <i>Journal of Geophysical Research</i> , 1995, 100, 22831.	3.3	40
187	Relationships between PAN and ozone at sites in eastern North America. <i>Journal of Geophysical Research</i> , 1995, 100, 22821.	3.3	40
188	Measurements of hydrocarbons, oxygenated hydrocarbons, carbon monoxide, and nitrogen oxides in an urban basin in Colorado: Implications for emission inventories. <i>Journal of Geophysical Research</i> , 1995, 100, 22771.	3.3	74
189	Regional ozone and urban plumes in the southeastern United States: Birmingham, A case study. <i>Journal of Geophysical Research</i> , 1995, 100, 18823.	3.3	102
190	Evaluation of ozone precursor source types using principal component analysis of ambient air measurements in rural Alabama. <i>Journal of Geophysical Research</i> , 1995, 100, 22853.	3.3	38
191	Evolution of alkyl nitrates with air mass age. <i>Journal of Geophysical Research</i> , 1995, 100, 22805.	3.3	104
192	Intercomparison of tropospheric OH and ancillary trace gas measurements at Fritz Peak Observatory, Colorado. <i>Journal of Geophysical Research</i> , 1994, 99, 18605.	3.3	80
193	Relationship of ozone and carbon monoxide over North America. <i>Journal of Geophysical Research</i> , 1994, 99, 14565.	3.3	190
194	Routine, Continuous Measurement of Carbon Monoxide with Parts per Billion Precision. <i>Environmental Science &amp; Technology</i> , 1994, 28, 1615-1618.	4.6	64
195	Export of North American Ozone Pollution to the North Atlantic Ocean. <i>Science</i> , 1993, 259, 1436-1439.	6.0	284
196	Correlation of ozone with NO <sub>y</sub> in photochemically aged air. <i>Journal of Geophysical Research</i> , 1993, 98, 2917-2925.	3.3	336
197	The total reactive oxidized nitrogen levels and the partitioning between the individual species at six rural sites in eastern North America. <i>Journal of Geophysical Research</i> , 1993, 98, 2927-2939.	3.3	165
198	An improved chemical amplifier technique for peroxy radical measurements. <i>Journal of Geophysical Research</i> , 1993, 98, 2897-2909.	3.3	69

#	ARTICLE	IF	CITATIONS
199	Reply [to "Comment on "Indications of photochemical histories of Pacific air masses from measurements of atmospheric trace species at Point Arena, California" by D. D. Parrish et al.]. Journal of Geophysical Research, 1993, 98, 14995-14997.	3.3	33
200	Peroxy radicals as measured in ROSE and estimated from photostationary state deviations. Journal of Geophysical Research, 1993, 98, 18355-18366.	3.3	87
201	Measurement Challenges of Nitrogen Species in the Atmosphere. Advances in Chemistry Series, 1993, , 243-273.	0.6	3
202	Carbon Monoxide and Light Alkanes as Tropospheric Tracers of Anthropogenic Ozone. , 1993, , 155-169.		11
203	Ozone precursor relationships in the ambient atmosphere. Journal of Geophysical Research, 1992, 97, 6037-6055.	3.3	664
204	Assessment of pollutant emission inventories by principal component analysis of ambient air measurements. Geophysical Research Letters, 1992, 19, 1009-1012.	1.5	51
205	An intercomparison of five ammonia measurement techniques. Journal of Geophysical Research, 1992, 97, 11591-11611.	3.3	45
206	Indications of photochemical histories of Pacific air masses from measurements of atmospheric trace species at Point Arena, California. Journal of Geophysical Research, 1992, 97, 15883-15901.	3.3	210
207	Peroxy radicals in the ROSE experiment: Measurement and theory. Journal of Geophysical Research, 1992, 97, 20671-20686.	3.3	94
208	Intercomparison of tunable diode laser and gas filter correlation measurements of ambient carbon monoxide. Atmospheric Environment Part A General Topics, 1991, 25, 2277-2284.	1.3	30
209	Observations and modeling of the reactive nitrogen photochemistry at a rural site. Journal of Geophysical Research, 1991, 96, 3045-3063.	3.3	127
210	Carbon monoxide concentrations and their relation to concentrations of total reactive oxidized nitrogen at two rural U.S. sites. Journal of Geophysical Research, 1991, 96, 9309-9320.	3.3	130
211	Systematic variations in the concentration of NO <sub>x</sub> (NO Plus NO <sub>2</sub> ) at Niwot Ridge, Colorado. Journal of Geophysical Research, 1990, 95, 1817-1836.	3.3	112
212	Intercomparison of NO <sub>2</sub> measurement techniques. Journal of Geophysical Research, 1990, 95, 3579-3597.	3.3	116
213	Contribution of organic nitrates to the total reactive nitrogen budget at a rural eastern U.S. site. Journal of Geophysical Research, 1990, 95, 9809-9816.	3.3	141
214	The behavior of some organic nitrates at Boulder and Niwot Ridge, Colorado. Journal of Geophysical Research, 1990, 95, 13949-13961.	3.3	100
215	Measurement of soil NO <sub>x</sub> emissions in central Pennsylvania. Journal of Geophysical Research, 1988, 93, 9539-9546.	3.3	93
216	The Measurement of NO <sub>x</sub> in the Non-Urban Troposphere. , 1988, , 185-215.		47

#	ARTICLE	IF	CITATIONS
217	Measurement of nitrogen oxide fluxes from soils: Intercomparison of enclosure and gradient measurement techniques. <i>Journal of Geophysical Research</i> , 1987, 92, 2165-2171.	3.3	55
218	Determination of nitrogen oxide emissions from soils: Results from a grassland site in Colorado, United States. <i>Journal of Geophysical Research</i> , 1987, 92, 2173-2179.	3.3	116
219	Ozone production in the rural troposphere and the implications for regional and global ozone distributions. <i>Journal of Geophysical Research</i> , 1987, 92, 4191-4207.	3.3	858
220	Impact of natural hydrocarbons on hydroxyl and peroxy radicals at a remote site. <i>Journal of Geophysical Research</i> , 1987, 92, 11879-11894.	3.3	227
221	Models and observations of the impact of natural hydrocarbons on rural ozone. <i>Nature</i> , 1987, 329, 705-707.	13.7	479
222	Measurements of the NO <sub>x</sub> ↔ O <sub>3</sub> photostationary state at Niwot Ridge, Colorado. <i>Journal of Geophysical Research</i> , 1986, 91, 5361-5370.	3.3	106
223	Measurements of HNO <sub>3</sub> and NO <sub>3</sub> <sup>+</sup> particulates at a rural site in the Colorado mountains. <i>Journal of Geophysical Research</i> , 1986, 91, 5379-5393.	3.3	78
224	Reactive nitrogen species in the troposphere: Measurements of NO, NO <sub>2</sub> , HNO <sub>3</sub> , particulate nitrate, peroxyacetyl nitrate (PAN), O <sub>3</sub> , and total reactive odd nitrogen (NO <sub>y</sub> ) at Niwot Ridge, Colorado. <i>Journal of Geophysical Research</i> , 1986, 91, 9781-9793.	3.3	261
225	Background ozone and anthropogenic ozone enhancement at niwot ridge, Colorado. <i>Journal of Atmospheric Chemistry</i> , 1986, 4, 63-80.	1.4	35
226	Background Ozone and Anthropogenic Ozone Enhancement at Niwot Ridge, Colorado. , 1986, , 261-278.		0
227	Relationship between peroxyacetyl nitrate and nitrogen oxides in the clean troposphere. <i>Nature</i> , 1985, 318, 347-349.	13.7	108
228	NO <sub>x</sub> measurements in clean continental air and analysis of the contributing meteorology. <i>Journal of Geophysical Research</i> , 1984, 89, 9623-9631.	3.3	49
229	The measurement of the photodissociation rate of NO <sub>2</sub> in the atmosphere. <i>Atmospheric Environment</i> , 1983, 17, 1365-1379.	1.1	77
230	A study of ozone in the Colorado mountains. <i>Journal of Atmospheric Chemistry</i> , 1983, 1, 87-105.	1.4	98
231	Modeling of molecular velocity distributions. A physical chemistry experiment. <i>Journal of Chemical Education</i> , 1978, 55, 670.	1.1	0
232	Sensitized fluorescence in crossed atomic beams: Hg(6s <sup>3</sup> P <sub>0,2</sub> )+Ti(6s <sup>2</sup> P <sub>1/2</sub> ). <i>Journal of Chemical Physics</i> , 1975, 63, 1980-1984.	1.2	4
233	Molecular beam chemistry. Persistent collision complex in reaction of oxygen atoms with bromine molecules. <i>Journal of the American Chemical Society</i> , 1973, 95, 6133-6134.	6.6	62
234	Molecular Beam Kinetics. II. Magnetic Deflection Analysis of Reactions of Li with NO <sub>2</sub> , CH <sub>3</sub> NO <sub>2</sub> , SF <sub>6</sub> , CCl <sub>4</sub> , and CH <sub>3</sub> I. <i>Journal of Chemical Physics</i> , 1971, 54, 2518-2528.	1.2	37

#	ARTICLE	IF	CITATIONS
235	Harmonic Forces Linear Model for Reactions of Cs Atoms with Alkyl Iodides. Journal of Chemical Physics, 1970, 53, 2431-2435.	1.2	29
236	Molecular-Beam Kinetics. I. Magnetic Deflection Analysis of Reactions of Li with Cl <sub>2</sub> , ICl, Br <sub>2</sub> , SnCl <sub>4</sub> , and PCl <sub>3</sub> . Journal of Chemical Physics, 1969, 51, 5467-5481.	1.2	37
237	Possible Mass Effect in Alkali-Atom Reactions: Crossed-Beam Studies of Li+Cl <sub>2</sub> , ICl, Br <sub>2</sub> , SnCl <sub>4</sub> , and PCl <sub>3</sub> . Journal of Chemical Physics, 1968, 49, 5544-5545.	1.2	6