

# Frank F Flocke

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/3670057/frank-f-flocke-publications-by-year.pdf>

**Version:** 2024-04-23

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

152  
papers

7,928  
citations

53  
h-index

84  
g-index

166  
ext. papers

8,828  
ext. citations

6  
avg, IF

4.78  
L-index

#	Paper	IF	Citations
152	Wildfire-driven changes in the abundance of gas-phase pollutants in the city of Boise, ID during summer 2018. <i>Atmospheric Pollution Research</i> , <b>2022</b> , 13, 101269	4.5	0
151	Nighttime and daytime dark oxidation chemistry in wildfire plumes: an observation and model analysis of FIREX-AQ aircraft data. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 16293-16317	6.8	8
150	Machine Learning Uncovers Aerosol Size Information From Chemistry and Meteorology to Quantify Potential Cloud-Forming Particles. <i>Geophysical Research Letters</i> , <b>2021</b> , 48,	4.9	1
149	Novel Analysis to Quantify Plume Crosswind Heterogeneity Applied to Biomass Burning Smoke. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 15646-15657	10.3	2
148	Spatially Resolved Photochemistry Impacts Emissions Estimates in Fresh Wildfire Plumes. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL095443	4.9	1
147	Emissions of Trace Organic Gases From Western U.S. Wildfires Based on WE-CAN Aircraft Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD033838	4.4	13
146	Empirical Insights Into the Fate of Ammonia in Western U.S. Wildfire Smoke Plumes. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD033730	4.4	4
145	Emissions of Reactive Nitrogen From Western U.S. Wildfires During Summer 2018. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD032657	4.4	14
144	Daytime Oxidized Reactive Nitrogen Partitioning in Western U.S. Wildfire Smoke Plumes. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD033484	4.4	18
143	Variability and Time of Day Dependence of Ozone Photochemistry in Western Wildfire Plumes. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 10280-10290	10.3	9
142	Secondary organic aerosols from anthropogenic volatile organic compounds contribute substantially to air pollution mortality. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 11201-11224	6.8	12
141	Measuring Photodissociation Product Quantum Yields Using Chemical Ionization Mass Spectrometry: A Case Study with Ketones. <i>Journal of Physical Chemistry A</i> , <b>2021</b> , 125, 6836-6844	2.8	0
140	Chemical Tomography in a Fresh Wildland Fire Plume: A Large Eddy Simulation (LES) Study. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD035203	4.4	5
139	Quantification of organic aerosol and brown carbon evolution in fresh wildfire plumes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 29469-29477	11.5	31
138	HONO Emissions From Western U.S. Wildfires Provide Dominant Radical Source in Fresh Wildfire Smoke. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 5954-5963	10.3	26
137	Air Quality in the Northern Colorado Front Range Metro Area: The Front Range Air Pollution and Photochemistry Experiment (FRAPP). <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2020</b> , 125, e2019JD031197	4.4	14
136	On the sources and sinks of atmospheric VOCs: an integrated analysis of recent aircraft campaigns over North America. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 9097-9123	6.8	17

135	Acyl Peroxy Nitrates Link Oil and Natural Gas Emissions to High Ozone Abundances in the Colorado Front Range During Summer 2015. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 2336-2350	4.4	7
134	Atmospheric Acetaldehyde: Importance of Air-Sea Exchange and a Missing Source in the Remote Troposphere. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 5601-5613	4.9	28
133	Chemical Characteristics and Ozone Production in the Northern Colorado Front Range. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 13397-13419	4.4	9
132	Using TES retrievals to investigate PAN in North American biomass burning plumes. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 5639-5653	6.8	5
131	Impacts of physical parameterization on prediction of ethane concentrations for oil and gas emissions in WRF-Chem. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 16863-16883	6.8	8
130	Airborne Observations of Reactive Inorganic Chlorine and Bromine Species in the Exhaust of Coal-Fired Power Plants. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 11225-11237	4.4	21
129	Sources and characteristics of summertime organic aerosol in the Colorado Front Range: perspective from measurements and WRF-Chem modeling. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 8293-8312	6.8	9
128	Observations of Acyl Peroxy Nitrates During the Front Range Air Pollution and Photochemistry Experiment (FRAPP). <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 12,416-12,432	4.4	11
127	Using observations and source specific model tracers to characterize pollutant transport during FRAPP and DISCOVER-AQ. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 10510-10538	4.4	18
126	The effect of entrainment through atmospheric boundary layer growth on observed and modeled surface ozone in the Colorado Front Range. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 6075-6093	4.4	24
125	Changes in ozone and precursors during two aged wildfire smoke events in the Colorado Front Range in summer 2015. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 10691-10707	6.8	32
124	Higher measured than modeled ozone production at increased NO <sub>x</sub> levels in the Colorado Front Range. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 11273-11292	6.8	15
123	BrO and inferred Br profiles over the western Pacific: relevance of inorganic bromine sources and a Br minimum in the aged tropical tropopause layer. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 15245-15270	6.8	22
122	Bromine atom production and chain propagation during springtime Arctic ozone depletion events in Barrow, Alaska. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 3401-3421	6.8	9
121	The impact of aged wildfire smoke on atmospheric composition and ozone in the Colorado Front Range in summer 2015 <b>2017</b> ,		2
120	Airborne quantification of upper tropospheric NO <sub>x</sub> production from lightning in deep convective storms over the United States Great Plains. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 2002-2028	4.4	24
119	Airborne measurements of BrO and the sum of HOBr and Br <sub>2</sub> over the Tropical West Pacific from 1 to 15 km during the CONvective TRANsport of Active Species in the Tropics (CONTRAST) experiment. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 12,560-12,578	4.4	15
118	Aerosol optical extinction during the Front Range Air Pollution and Photochemistry Experiment (FRAPP) 2014 summertime field campaign, Colorado, USA. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 11207-11217	6.8	10

117	Impacts of the Denver Cyclone on regional air quality and aerosol formation in the Colorado Front Range during FRAPP2014. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 12039-12058	6.8	19
116	Using stable isotopes of hydrogen to quantify biogenic and thermogenic atmospheric methane sources: A case study from the Colorado Front Range. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 11,462	4.9	23
115	Wet scavenging of soluble gases in DC3 deep convective storms using WRF-Chem simulations and aircraft observations. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 4233-4257	4.4	24
114	Convective transport of formaldehyde to the upper troposphere and lower stratosphere and associated scavenging in thunderstorms over the central United States during the 2012 DC3 study. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 7430-7460	4.4	23
113	Arctic springtime observations of volatile organic compounds during the OASIS-2009 campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 9789-9813	4.4	10
112	Mercury Emission Ratios from Coal-Fired Power Plants in the Southeastern United States during NOMADSS. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 10389-97	10.3	29
111	Airborne flux measurements of methane and volatile organic compounds over the Haynesville and Marcellus shale gas production regions. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 6271-6289	4.4	37
110	Upper tropospheric ozone production from lightning NO <sub>x</sub> -impacted convection: Smoke ingestion case study from the DC3 campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 2505-2523	4.4	68
109	Interactions of bromine, chlorine, and iodine photochemistry during ozone depletions in Barrow, Alaska. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 9651-9679	6.8	22
108	The NO <sub>x</sub> dependence of bromine chemistry in the Arctic atmospheric boundary layer. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 10799-10809	6.8	18
107	The Deep Convective Clouds and Chemistry (DC3) Field Campaign. <i>Bulletin of the American Meteorological Society</i> , <b>2015</b> , 96, 1281-1309	6.1	140
106	Missing peroxy radical sources within a summertime ponderosa pine forest. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 4715-4732	6.8	44
105	High levels of molecular chlorine in the Arctic atmosphere. <i>Nature Geoscience</i> , <b>2014</b> , 7, 91-94	18.3	79
104	Evaluation of HO <sub>x</sub> sources and cycling using measurement-constrained model calculations in a 2-methyl-3-butene-2-ol (MBO) and monoterpene (MT) dominated ecosystem. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 2031-2044	6.8	49
103	Observations of inorganic bromine (HOBr, BrO, and Br <sub>2</sub> ) speciation at Barrow, Alaska, in spring 2009. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		58
102	Ozone dynamics and snow-atmosphere exchanges during ozone depletion events at Barrow, Alaska. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117,		42
101	Observation and modeling of the evolution of Texas power plant plumes. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 455-468	6.8	29
100	Budgets for nocturnal VOC oxidation by nitrate radicals aloft during the 2006 Texas Air Quality Study. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		50

99	Nitrous acid (HONO) during polar spring in Barrow, Alaska: A net source of OH radicals?. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		58
98	Characterization of a thermal decomposition chemical ionization mass spectrometer for the measurement of peroxy acyl nitrates (PANs) in the atmosphere. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 6529-6547	6.8	47
97	Modeling ozone plumes observed downwind of New York City over the North Atlantic Ocean during the ICARTT field campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 7375-7397	6.8	17
96	First direct measurements of formaldehyde flux via eddy covariance: implications for missing in-canopy formaldehyde sources. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 10565-10578	6.8	85
95	A new interpretation of total column BrO during Arctic spring. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	102
94	Global atmospheric budget of acetaldehyde: 3-D model analysis and constraints from in-situ and satellite observations. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 3405-3425	6.8	234
93	Chemical evolution of volatile organic compounds in the outflow of the Mexico City Metropolitan area. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 2353-2375	6.8	112
92	Relationship between photochemical ozone production and NO <sub>x</sub> oxidation in Houston, Texas. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		29
91	Chemistry and transport of pollution over the Gulf of Mexico and the Pacific: spring 2006 INTEX-B campaign overview and first results. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 2301-2318	6.8	206
90	Nocturnal isoprene oxidation over the Northeast United States in summer and its impact on reactive nitrogen partitioning and secondary organic aerosol. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 3027-3042	6.8	114
89	Assessing the regional impacts of Mexico City emissions on air quality and chemistry. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 3731-3743	6.8	33
88	Emissions from biomass burning in the Yucatan. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 5785-5812	6.8	358
87	Observations of heterogeneous reactions between Asian pollution and mineral dust over the Eastern North Pacific during INTEX-B. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 8283-8308	6.8	89
86	A study of organic nitrates formation in an urban plume using a Master Chemical Mechanism. <i>Atmospheric Environment</i> , <b>2008</b> , 42, 5771-5786	5.3	23
85	Lagrangian analysis of low altitude anthropogenic plume processing across the North Atlantic. <i>Atmospheric Chemistry and Physics</i> , <b>2008</b> , 8, 7737-7754	6.8	40
84	Influence of lateral and top boundary conditions on regional air quality prediction: A multiscale study coupling regional and global chemical transport models. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		68
83	Reactive nitrogen distribution and partitioning in the North American troposphere and lowermost stratosphere. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		89
82	Improving regional ozone modeling through systematic evaluation of errors using the aircraft observations during the International Consortium for Atmospheric Research on Transport and Transformation. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		11

81	Reply to Comment on Long-term atmospheric measurements of C <sub>1-5</sub> alkyl nitrates in the Pearl River Delta region of southeast China. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 7371-7372	5.3	
80	Influence of trans-Pacific pollution transport on acyl peroxy nitrate abundances and speciation at Mount Bachelor Observatory during INTEX-B. <i>Atmospheric Chemistry and Physics</i> , <b>2007</b> , 7, 5309-5325	6.8	53
79	Long-term atmospheric measurements of C <sub>1-5</sub> alkyl nitrates in the Pearl River Delta region of southeast China. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 1619-1632	5.3	39
78	Late-spring increase of trans-Pacific pollution transport in the upper troposphere. <i>Geophysical Research Letters</i> , <b>2006</b> , 33, n/a-n/a	4.9	32
77	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> , <b>2006</b> , 111,		192
76	Eddy covariance fluxes of peroxyacetyl nitrates (PANs) and NO <sub>y</sub> to a coniferous forest. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		94
75	Evaluation of space-based constraints on global nitrogen oxide emissions with regional aircraft measurements over and downwind of eastern North America. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		159
74	Reactive nitrogen transport and photochemistry in urban plumes over the North Atlantic Ocean. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		70
73	Concentrations and sources of organic carbon aerosols in the free troposphere over North America. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		97
72	An investigation of the chemistry of ship emission plumes during ITCT 2002. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		79
71	Contribution of particulate nitrate to airborne measurements of total reactive nitrogen. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		16
70	On the Measurement of PANs by Gas Chromatography and Electron Capture Detection. <i>Journal of Atmospheric Chemistry</i> , <b>2005</b> , 52, 19-43	3.2	54
69	Organic trace gases of oceanic origin observed at South Pole during ISCAT 2000. <i>Atmospheric Environment</i> , <b>2004</b> , 38, 5463-5472	5.3	16
68	Evaluation of the role of heterogeneous oxidation of alkenes in the detection of atmospheric acetaldehyde. <i>Atmospheric Environment</i> , <b>2004</b> , 38, 6017-6028	5.3	41
67	Photochemistry in the Arctic Free Troposphere: Ozone Budget and Its Dependence on Nitrogen Oxides and the Production Rate of Free Radicals. <i>Journal of Atmospheric Chemistry</i> , <b>2004</b> , 47, 107-138	3.2	13
66	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> , <b>2004</b> , 109,		148
65	Impacts of biomass burning in Southeast Asia on ozone and reactive nitrogen over the western Pacific in spring. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		73
64	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> , <b>2004</b> , 109,		35

63	Testing fast photochemical theory during TRACE-P based on measurements of OH, HO <sub>2</sub> , and CH <sub>2</sub> O. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,	50
62	Gas-phase chemical characteristics of Asian emission plumes observed during ITCT 2K2 over the eastern North Pacific Ocean. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,	71
61	A thermal dissociation-chemical ionization mass spectrometry (TD-CIMS) technique for the simultaneous measurement of peroxyacyl nitrates and dinitrogen pentoxide. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,	224
60	Measurement of peroxy-carboxylic nitric anhydrides (PANs) during the ITCT 2K2 aircraft intensive experiment. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,	54
59	Ozone production in transpacific Asian pollution plumes and implications for ozone air quality in California. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,	170
58	Changes in the photochemical environment of the temperate North Pacific troposphere in response to increased Asian emissions. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,	74
57	Photochemistry in the arctic free troposphere: NO <sub>x</sub> budget and the role of odd nitrogen reservoir recycling. <i>Atmospheric Environment</i> , <b>2003</b> , 37, 3351-3364	5-3 42
56	Ozone, aerosol, potential vorticity, and trace gas trends observed at high-latitudes over North America from February to May 2000. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,	52
55	Latitudinal, vertical, and seasonal variations of C <sub>1</sub> -C <sub>4</sub> alkyl nitrates in the troposphere over the Pacific Ocean during PEM-Tropics A and B: Oceanic and continental sources. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,	71
54	Seasonal variations of C <sub>2</sub> -C <sub>4</sub> nonmethane hydrocarbons and C <sub>1</sub> -C <sub>4</sub> alkyl nitrates at the Summit research station in Greenland. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,	57
53	The seasonal evolution of NMHCs and light alkyl nitrates at middle to high northern latitudes during TOPSE. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,	46
52	Ozone depletion events observed in the high latitude surface layer during the TOPSE aircraft program. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108, TOP 4-1	67
51	Steady state free radical budgets and ozone photochemistry during TOPSE. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,	48
50	Springtime photochemistry at northern mid and high latitudes. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,	40
49	Coupled evolution of BrO <sub>x</sub> -ClO <sub>x</sub> -HO <sub>x</sub> -NO <sub>x</sub> chemistry during bromine-catalyzed ozone depletion events in the arctic boundary layer. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,	72
48	Photochemical production and evolution of selected C <sub>2</sub> -C <sub>5</sub> alkyl nitrates in tropospheric air influenced by Asian outflow. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,	47
47	Effect of petrochemical industrial emissions of reactive alkenes and NO <sub>x</sub> on tropospheric ozone formation in Houston, Texas. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,	225
46	Summary of measurement intercomparisons during TRACE-P. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,	46

45	Clouds and trace gas distributions during TRACE-P. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,	24
44	Synoptic-scale transport of reactive nitrogen over the western Pacific in spring. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,	63
43	Export of anthropogenic reactive nitrogen and sulfur compounds from the East Asia region in spring. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,	71
42	Intercontinental transport of pollution manifested in the variability and seasonal trend of springtime O <sub>3</sub> at northern middle and high latitudes. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,	19
41	Peroxy radical behavior during the Transport and Chemical Evolution over the Pacific (TRACE-P) campaign as measured aboard the NASA P-3B aircraft. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,	39
40	Ground-based measurements of peroxy-carboxylic nitric anhydrides (PANs) during the 1999 Southern Oxidants Study Nashville Intensive. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, ACH 1-1-ACH 1-10	59
39	Fast-response airborne in situ measurements of HNO <sub>3</sub> during the Texas 2000 Air Quality Study. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, ACH 8-1	89
38	A biomass burning source of C <sub>10-14</sub> alkyl nitrates. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 21-1-21-4	4.9 31
37	Alkyl nitrate measurements during STERAO 1996 and NARE 1997: Intercomparison and survey of results. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 23043-23053	15
36	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). <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 32627-32644	58
35	Observations of APAN during TexAQS 2000. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 4195-4198	4.9 26
34	Is the Arctic Surface Layer a Source and Sink of NO <sub>x</sub> in Winter/Spring?. <i>Journal of Atmospheric Chemistry</i> , <b>2000</b> , 36, 1-22	3.2 82
33	Distribution and fate of selected oxygenated organic species in the troposphere and lower stratosphere over the Atlantic. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 3795-3805	225
32	Tropospheric reactive odd nitrogen over the South Pacific in austral springtime. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 6681-6694	36
31	On the origin of tropospheric ozone and NO <sub>x</sub> over the tropical South Pacific. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 5829-5843	123
30	NO <sub>y</sub> partitioning from measurements of nitrogen and hydrogen radicals in the upper troposphere. <i>Geophysical Research Letters</i> , <b>1999</b> , 26, 51-54	4.9 8
29	Reactive nitrogen budget during the NASA SONEX Mission. <i>Geophysical Research Letters</i> , <b>1999</b> , 26, 3057-3060	50
28	Distributions of brominated organic compounds in the troposphere and lower stratosphere. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 21513-21535	167



27	Tropospheric hydroxyl and atomic chlorine concentrations, and mixing timescales determined from hydrocarbon and halocarbon measurements made over the Southern Ocean. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 21819-21828		110
26	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). <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 21803-21817		80
25	Comparison of MkIV balloon and ER-2 aircraft measurements of atmospheric trace gases. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 26779-26790		91
24	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. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 26625-26642		56
23	Long-term measurements of alkyl nitrates in southern Germany: 1. General behavior and seasonal and diurnal variation. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 5729-5746		60
22	Measurements of bromine containing organic compounds at the tropical tropopause. <i>Geophysical Research Letters</i> , <b>1998</b> , 25, 317-320	4.9	74
21	Observations of methyl nitrate in the lower stratosphere during STRAT: Implications for its gas phase production mechanisms. <i>Geophysical Research Letters</i> , <b>1998</b> , 25, 1891-1894	4.9	32
20	Comparison between DC-8 and ER-2 species measurements in the tropical middle troposphere: NO, NO <sub>y</sub> , O <sub>3</sub> , CO <sub>2</sub> , CH <sub>4</sub> , and N <sub>2</sub> O. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 22087-22096		20
19	Hydrogen radicals, nitrogen radicals, and the production of O <sub>3</sub> in the upper troposphere. <i>Science</i> , <b>1998</b> , 279, 49-53	33.3	300
18	Observed OH and HO <sub>2</sub> in the upper troposphere suggest a major source from convective injection of peroxides. <i>Geophysical Research Letters</i> , <b>1997</b> , 24, 3181-3184	4.9	143
17	Long-Term Measurements of Light Hydrocarbons (C <sub>2</sub> -C <sub>5</sub> ) at Schauinsland (Black Forest). <i>Journal of Atmospheric Chemistry</i> , <b>1997</b> , 28, 135-171	3.2	30
16	Preparation of organic nitrates from alcohols and N <sub>2</sub> O <sub>5</sub> for species identification in atmospheric samples. <i>Journal of Atmospheric Chemistry</i> , <b>1993</b> , 16, 349-359	3.2	31
15	Measurements of alkyl nitrates in rural and polluted air masses. <i>Atmospheric Environment Part A General Topics</i> , <b>1991</b> , 25, 1951-1960		86
14	The CU Airborne Solar Occultation Flux Instrument: Performance Evaluation during BB-FLUX. <i>ACS Earth and Space Chemistry</i> ,	3.2	3
13	Evolution of Acyl Peroxynitrates (PANs) in wildfire smoke plumes detected by the Cross-Track Infrared Sounder (CrIS) over the western U.S. during summer 2018. <i>Geophysical Research Letters</i> ,	4.9	1
12	Impacts of the Denver Cyclone on Regional Air Quality and Aerosol Formation in the Colorado Front Range during FRAPPID2014		2
11	First direct measurements of formaldehyde flux via eddy covariance: implications for missing in-canopy formaldehyde sources		2
10	The NO <sub>x</sub> dependence of bromine chemistry in the Arctic atmospheric boundary layer		2

9	Chemistry and transport of pollution over the Gulf of Mexico and the Pacific: Spring 2006 INTEX-B Campaign overview and first results	11
8	Emissions from biomass burning in the Yucatan	3
7	Observations of heterogeneous reactions between Asian pollution and mineral dust over the Eastern North Pacific during INTEX-B	2
6	Interactions of bromine, chlorine, and iodine photochemistry during ozone depletions in Barrow, Alaska	1
5	Assessing the regional impacts of Mexico City emissions on air quality and chemistry	1
4	Global atmospheric budget of acetaldehyde: 3-D model analysis and constraints from in-situ and satellite observations	1
3	Chemical evolution of volatile organic compounds in the outflow of the Mexico City Metropolitan area	4
2	Missing peroxy radical sources within a rural forest canopy	1
1	Observations and Modeling of NO <sub>x</sub> Photochemistry and Fate in Fresh Wildfire Plumes. <i>ACS Earth and Space Chemistry</i> ,	3.2 1