

David Fahey

List of Publications by Year in descending order

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259
papers

25,443
citations

9234

74
h-index

8599

146
g-index

286
all docs

286
docs citations

286
times ranked

12927
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A Novel Network-Based Approach to Determining Measurement Representation Error for Model Evaluation of Aerosol Microphysical Properties. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	3
3	The contribution of global aviation to anthropogenic climate forcing for 2000 to 2018. Atmospheric Environment, 2021, 244, 117834.	1.9	491
4	A microphysics guide to cirrus – Part 2: Climatologies of clouds and humidity from observations. Atmospheric Chemistry and Physics, 2020, 20, 12569-12608.	1.9	80
5	Designing the Climate Observing System of the Future. Earth's Future, 2018, 6, 80-102.	2.4	24
6	Limited impact of sulfate-driven chemistry on black carbon aerosol aging in power plant plumes. AIMS Environmental Science, 2018, 5, 195-215.	0.7	1
7	The NASA Airborne Tropical Tropopause Experiment: High-Altitude Aircraft Measurements in the Tropical Western Pacific. Bulletin of the American Meteorological Society, 2017, 98, 129-143.	1.7	79
8	Global atmospheric response to emissions from a proposed reusable space launch system. Earth's Future, 2017, 5, 37-48.	2.4	23
9	The role of sulfur dioxide in stratospheric aerosol formation evaluated by using in situ measurements in the tropical lower stratosphere. Geophysical Research Letters, 2017, 44, 4280-4286.	1.5	16
10	In situ measurements of water uptake by black carbon-containing aerosol in wildfire plumes. Journal of Geophysical Research D: Atmospheres, 2017, 122, 1086-1097.	1.2	21
11	Probing the subtropical lowermost stratosphere and the tropical upper troposphere and tropopause layer for inorganic bromine. Atmospheric Chemistry and Physics, 2017, 17, 1161-1186.	1.9	25
12	Fluorescence calibration method for single-particle aerosol fluorescence instruments. Atmospheric Measurement Techniques, 2017, 10, 1755-1768.	1.2	21
13	Diverse policy implications for future ozone and surface UV in a changing climate. Environmental Research Letters, 2016, 11, 064017.	2.2	37
14	Instrumentation and measurement strategy for the NOAA SENEX aircraft campaign as part of the Southeast Atmosphere Study 2013. Atmospheric Measurement Techniques, 2016, 9, 3063-3093.	1.2	58
15	The airborne mass spectrometer AIMS – Part 1: AIMS-H<sub>2</sub><sub>O</sub> for UTLS water vapor measurements. Atmospheric Measurement Techniques, 2016, 9, 939-953.	1.2	22
16	A laser-induced fluorescence instrument for aircraft measurements of sulfur dioxide in the upper troposphere and lower stratosphere. Atmospheric Measurement Techniques, 2016, 9, 4601-4613.	1.2	19
17	The spectroscopic foundation of radiative forcing of climate by carbon dioxide. Geophysical Research Letters, 2016, 43, 5318-5325.	1.5	20
18	Observational constraints on the efficiency of dehydration mechanisms in the tropical tropopause layer. Geophysical Research Letters, 2016, 43, 2912-2918.	1.5	27

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19	Persistent Waterâ€“Nitric Acid Condensate with Saturation Water Vapor Pressure Greater than That of Hexagonal Ice. <i>Journal of Physical Chemistry A</i> , 2016, 120, 1431-1440.	1.1	9
20	A light-weight, high-sensitivity particle spectrometer for PM2.5 aerosol measurements. <i>Aerosol Science and Technology</i> , 2016, 50, 88-99.	1.5	71
21	A two-channel, tunable diode laser-based hygrometer for measurement of water vapor and cirrus cloud ice water content in the upper troposphere and lower stratosphere. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 211-224.	1.2	29
22	Challenges of a lowered U.S. ozone standard. <i>Science</i> , 2015, 348, 1096-1097.	6.0	89
23	Future atmospheric abundances and climate forcings from scenarios of global and regional hydrofluorocarbon (HFC) emissions. <i>Atmospheric Environment</i> , 2015, 123, 200-209.	1.9	105
24	Recent Trends in Global Emissions of Hydrochlorofluorocarbons and Hydrofluorocarbons: Reflecting on the 2007 Adjustments to the Montreal Protocol. <i>Journal of Physical Chemistry A</i> , 2015, 119, 4439-4449.	1.1	84
25	Airborne observations of regional variation in fluorescent aerosol across the United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 1153-1170.	1.2	93
26	Observations of high level of ozone at Qinghai Lake basin in the northeastern Qinghai-Tibetan Plateau, western China. <i>Journal of Atmospheric Chemistry</i> , 2015, 72, 19-26.	1.4	12
27	Technique and theoretical approach for quantifying the hygroscopicity of black-carbon-containing aerosol using a single particle soot photometer. <i>Journal of Aerosol Science</i> , 2015, 81, 110-126.	1.8	41
28	The AquaVIT-1 intercomparison of atmospheric water vapor measurement techniques. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 3177-3213.	1.2	88
29	Evaluation of UT/LS hygrometer accuracy by intercomparison during the NASA MACPEX mission. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 1915-1935.	1.2	47
30	Black carbon aerosol characterization in a remote area of Qinghaiâ€“Tibetan Plateau, western China. <i>Science of the Total Environment</i> , 2014, 479-480, 151-158.	3.9	58
31	OH in the tropical upper troposphere and its relationships to solar radiation and reactive nitrogen. <i>Journal of Atmospheric Chemistry</i> , 2014, 71, 55-64.	1.4	14
32	Evaluation of a Perpendicular Inlet for Airborne Sampling of Interstitial Submicron Black-Carbon Aerosol. <i>Aerosol Science and Technology</i> , 2013, 47, 1066-1072.	1.5	11
33	Evaluation of a Method to Measure Black Carbon Particles Suspended in Rainwater and Snow Samples. <i>Aerosol Science and Technology</i> , 2013, 47, 1073-1082.	1.5	32
34	Bounding the role of black carbon in the climate system: A scientific assessment. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 5380-5552.	1.2	4,319
35	Globalâ€“scale seasonally resolved black carbon vertical profiles over the Pacific. <i>Geophysical Research Letters</i> , 2013, 40, 5542-5547.	1.5	124
36	Measurement of low-ppm mixing ratios of water vapor in the upper troposphere and lower stratosphere using chemical ionization mass spectrometry. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 1461-1475.	1.2	19

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37	A High-Sensitivity Low-Cost Optical Particle Counter Design. <i>Aerosol Science and Technology</i> , 2013, 47, 137-145.	1.5	24
38	Note: Compact, two-dimension translatable slit aperture. <i>Review of Scientific Instruments</i> , 2013, 84, 116103.	0.6	3
39	Black carbon aerosol size in snow. <i>Scientific Reports</i> , 2013, 3, 1356.	1.6	115
40	A compact, fast UV photometer for measurement of ozone from research aircraft. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 2201-2210.	1.2	27
41	Assessing Single Particle Soot Photometer and Integrating Sphere/Integrating Sandwich Spectrophotometer measurement techniques for quantifying black carbon concentration in snow. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 2581-2592.	1.2	96
42	Preserving Montreal Protocol Climate Benefits by Limiting HFCs. <i>Science</i> , 2012, 335, 922-923.	6.0	139
43	Inferring ice formation processes from global-scale black carbon profiles observed in the remote atmosphere and model simulations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	25
44	Scales of variability of black carbon plumes over the Pacific Ocean. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	17
45	Seasonal variability of black carbon mass in the tropical tropopause layer. <i>Geophysical Research Letters</i> , 2011, 38, .	1.5	12
46	Black carbon measurements in the Pearl River Delta region of China. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	53
47	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
48	Extinction and optical depth of contrails. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	70
49	Characteristics of black carbon aerosol from a surface oil burn during the Deepwater Horizon oil spill. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	34
50	Organic Aerosol Formation Downwind from the Deepwater Horizon Oil Spill. <i>Science</i> , 2011, 331, 1295-1299.	6.0	162
51	Characteristics, sources, and transport of aerosols measured in spring 2008 during the aerosol, radiation, and cloud processes affecting Arctic Climate (ARCPAC) Project. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 2423-2453.	1.9	259
52	Laboratory evaluation of the effect of nitric acid uptake on frost point hygrometer performance. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 289-296.	1.2	9
53	Catalytic oxidation of H ₂ on platinum: a robust method for generating low mixing ratio H ₂ O standards. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 2059-2064.	1.2	16
54	Corrigendum to "Evaluation of black carbon estimations in global aerosol models" published in <i>Atmos. Chem. Phys.</i> , 9, 9001-9026, 2009. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 79-81.	1.9	17

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55	Aircraft observations of enhancement and depletion of black carbon mass in the springtime Arctic. Atmospheric Chemistry and Physics, 2010, 10, 9667-9680.	1.9	68
56	The Detection Efficiency of the Single Particle Soot Photometer. Aerosol Science and Technology, 2010, 44, 612-628.	1.5	151
57	Recent increases in global HFC emissions. Geophysical Research Letters, 2010, 37, .	1.5	38
58	Global-scale black carbon profiles observed in the remote atmosphere and compared to models. Geophysical Research Letters, 2010, 37, .	1.5	172
59	Correction to "Global-scale black carbon profiles observed in the remote atmosphere and compared to models". Geophysical Research Letters, 2010, 37, n/a-n/a.	1.5	7
60	Soot Particle Studies "Instrument Inter-Comparison" Project Overview. Aerosol Science and Technology, 2010, 44, 592-611.	1.5	228
61	An important contribution to springtime Arctic aerosol from biomass burning in Russia. Geophysical Research Letters, 2010, 37, .	1.5	172
62	The large contribution of projected HFC emissions to future climate forcing. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10949-10954.	3.3	319
63	Aviation and global climate change in the 21st century. Atmospheric Environment, 2009, 43, 3520-3537.	1.9	842
64	Heating rates and surface dimming due to black carbon aerosol absorption associated with a major U.S. city. Geophysical Research Letters, 2009, 36, .	1.5	17
65	UV Absorption Spectrum of the ClO Dimer (Cl ₂ O ₂) between 200 and 420 nm. Journal of Physical Chemistry A, 2009, 113, 13711-13726.	1.1	65
66	Stratospheric correlation between nitric acid and ozone. Journal of Geophysical Research, 2009, 114, .	3.3	20
67	Biomass burning in Siberia and Kazakhstan as an important source for haze over the Alaskan Arctic in April 2008. Geophysical Research Letters, 2009, 36, .	1.5	289
68	Modelled radiative forcing of the direct aerosol effect with multi-observation evaluation. Atmospheric Chemistry and Physics, 2009, 9, 1365-1392.	1.9	187
69	Evaluation of black carbon estimations in global aerosol models. Atmospheric Chemistry and Physics, 2009, 9, 9001-9026.	1.9	585
70	Global observations of HNO ₃ from the High Resolution Dynamics Limb Sounder (HIRDLS): First results. Journal of Geophysical Research, 2008, 113, .	3.3	14
71	Validation of Aura Microwave Limb Sounder HCl measurements. Journal of Geophysical Research, 2008, 113, .	3.3	50
72	Coatings and their enhancement of black carbon light absorption in the tropical atmosphere. Journal of Geophysical Research, 2008, 113, .	3.3	266

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73	Calculations of solar shortwave heating rates due to black carbon and ozone absorption using in situ measurements. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	28
74	Measurement of the mixing state, mass, and optical size of individual black carbon particles in urban and biomass burning emissions. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	388
75	Empirical correlations between black carbon aerosol and carbon monoxide in the lower and middle troposphere. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	60
76	Experimental and Theoretical Study of the Atmospheric Chemistry and Global Warming Potential of SO ₂ F ₂ . <i>Journal of Physical Chemistry A</i> , 2008, 112, 12657-12666.	1.1	64
77	Supersaturations, microphysics and nitric acid partitioning in a cold cirrus cloud observed during CR-AVE 2006: an observationâ€“modelling intercomparison study. <i>Environmental Research Letters</i> , 2008, 3, 035003.	2.2	32
78	Steady-state aerosol distributions in the extra-tropical, lower stratosphere and the processes that maintain them. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 6617-6626.	1.9	29
79	An Inter-Comparison of Instruments Measuring Black Carbon Content of Soot Particles. <i>Aerosol Science and Technology</i> , 2007, 41, 295-314.	1.5	276
80	The importance of the Montreal Protocol in protecting climate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 4814-4819.	3.3	417
81	A Novel Method for Estimating Light-Scattering Properties of Soot Aerosols Using a Modified Single-Particle Soot Photometer. <i>Aerosol Science and Technology</i> , 2007, 41, 125-135.	1.5	258
82	Condensedâ€“phase nitric acid in a tropical subvisible cirrus cloud. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	21
83	Validation of the Aura Microwave Limb Sounder HNO ₃ measurements. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	95
84	Measurements of trace gases in the tropical tropopause layer. <i>Atmospheric Environment</i> , 2007, 41, 7253-7261.	1.9	35
85	Single-particle measurements of midlatitude black carbon and light-scattering aerosols from the boundary layer to the lower stratosphere. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	594
86	A Chemical Ionization Mass Spectrometer for Ground-Based Measurements of Nitric Acid. <i>Journal of Atmospheric and Oceanic Technology</i> , 2006, 23, 1104-1113.	0.5	10
87	The observation of nitric acid-containing particles in the tropical lower stratosphere. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 601-611.	1.9	30
88	Measurements of relative humidity in a persistent contrail. <i>Atmospheric Environment</i> , 2006, 40, 1590-1600.	1.9	11
89	Using chemical ionization mass spectrometry for detection of HNO ₃ , HCl, and ClONO ₂ in the atmosphere. <i>International Journal of Mass Spectrometry</i> , 2005, 243, 63-70.	0.7	39
90	A Strategy for Process-Oriented Validation of Coupled Chemistryâ€“Climate Models. <i>Bulletin of the American Meteorological Society</i> , 2005, 86, 1117-1134.	1.7	139

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91	Nighttime OCIO in the winter Arctic vortex. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	27
92	Quantifying Stratospheric Ozone in the Upper Troposphere with in Situ Measurements of HCl. <i>Science</i> , 2004, 304, 261-265.	6.0	68
93	Evaluation of the role of heterogeneous oxidation of alkenes in the detection of atmospheric acetaldehyde. <i>Atmospheric Environment</i> , 2004, 38, 6017-6028.	1.9	48
94	Stratospheric Aerosol Sampling: Effect of a Blunt-Body Housing on Inlet Sampling Characteristics. <i>Aerosol Science and Technology</i> , 2004, 38, 1080-1090.	1.5	7
95	Evidence That Nitric Acid Increases Relative Humidity in Low-Temperature Cirrus Clouds. <i>Science</i> , 2004, 303, 516-520.	6.0	110
96	Trajectory studies of large HNO ₃ -containing PSC particles in the Arctic: Evidence for the role of NAT. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	6
97	Nitric acid uptake on subtropical cirrus cloud particles. <i>Journal of Geophysical Research</i> , 2004, 109, n/a-n/a.	3.3	62
98	Correction to "Nitric acid uptake on subtropical cirrus cloud particles". <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	2
99	Weak impact of mixing on chlorine deactivation during SOLVE/THESEO 2000: Lagrangian modeling (CLaMS) versus ER-2 in situ observations. <i>Journal of Geophysical Research</i> , 2003, 108, SOL 67-1.	3.3	20
100	Balloonborne in situ gas chromatograph for measurements in the troposphere and stratosphere. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	32
101	Quantifying uptake of HNO ₃ and H ₂ O by alumina particles in Athena-2 rocket plume. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	7
102	Measurements of large stratospheric particles in the Arctic polar vortex. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	15
103	Comment on "Effects of Cosmic Rays on Atmospheric Chlorofluorocarbon Dissociation and Ozone Depletion", <i>Physical Review Letters</i> , 2002, 89, 219801; author reply 219802.	2.9	26
104	Modeling the effect of denitrification on Arctic ozone depletion during winter 1999/2000. <i>Journal of Geophysical Research</i> , 2002, 107, SOL 65-1-SOL 65-18.	3.3	42
105	A vortex-scale simulation of the growth and sedimentation of large nitric acid hydrate particles. <i>Journal of Geophysical Research</i> , 2002, 107, SOL 43-1.	3.3	80
106	A scaling analysis of ER-2 data in the inner Arctic vortex during January-March 2000. <i>Journal of Geophysical Research</i> , 2002, 107, SOL 49-1-SOL 49-19.	3.3	14
107	Descent and mixing in the 1999-2000 northern polar vortex inferred from in situ tracer measurements. <i>Journal of Geophysical Research</i> , 2002, 107, SOL 28-1.	3.3	64
108	Large-scale chemical evolution of the Arctic vortex during the 1999/2000 winter: HALOE/POAM III Lagrangian photochemical modeling for the SAGE III-Ozone Loss and Validation Experiment (SOLVE) campaign. <i>Journal of Geophysical Research</i> , 2002, 107, SOL 60-1-SOL 60-26.	3.3	19

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109	An analysis of large HNO ₃ -containing particles sampled in the Arctic stratosphere during the winter of 1999/2000. <i>Journal of Geophysical Research</i> , 2002, 107, SOL 41-1.	3.3	55
110	Relating inferred HNO ₃ flux values to the denitrification of the 1999-2000 Arctic vortex. <i>Geophysical Research Letters</i> , 2002, 29, 63-1-63-4.	1.5	4
111	The emission and chemistry of reactive nitrogen species in the plume of an Athena II solid-fuel rocket motor. <i>Geophysical Research Letters</i> , 2002, 29, 34-1-34-4.	1.5	13
112	Correction to "Relating inferred HNO ₃ flux values to the denitrification of the 1999-2000 Arctic vortex" by M. J. Northway et al.. <i>Geophysical Research Letters</i> , 2002, 29, 31-1.	1.5	0
113	Role of NO _y as a diagnostic of small-scale mixing in a denitrified polar vortex. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 21-1.	3.3	8
114	Large NAT particle formation by mother clouds: Analysis of SOLVE/THESEO-2000 observations. <i>Geophysical Research Letters</i> , 2002, 29, 52-1.	1.5	38
115	JNO ₂ at high solar zenith angles in the lower stratosphere. <i>Geophysical Research Letters</i> , 2001, 28, 2405-2408.	1.5	5
116	Severe and extensive denitrification in the 1999-2000 Arctic winter stratosphere. <i>Geophysical Research Letters</i> , 2001, 28, 2875-2878.	1.5	71
117	Observational evidence for the role of denitrification in Arctic stratospheric ozone loss. <i>Geophysical Research Letters</i> , 2001, 28, 2879-2882.	1.5	33
118	Sources, Sinks, and the Distribution of OH in the Lower Stratosphere. <i>Journal of Physical Chemistry A</i> , 2001, 105, 1543-1553.	1.1	42
119	In Situ Measurements of Long-Lived Trace Gases in the Lower Stratosphere by Gas Chromatography. <i>Journal of Atmospheric and Oceanic Technology</i> , 2001, 18, 1195-1204.	0.5	37
120	In situ measurements of HNO ₃ , NO _y , NO, and O ₃ in the lower stratosphere and upper troposphere. <i>Atmospheric Environment</i> , 2001, 35, 5789-5797.	1.9	52
121	The Detection of Large HNO ₃ -Containing Particles in the Winter Arctic Stratosphere. <i>Science</i> , 2001, 291, 1026-1031.	6.0	279
122	A fast-response chemical ionization mass spectrometer for in situ measurements of HNO ₃ in the upper troposphere and lower stratosphere. <i>Review of Scientific Instruments</i> , 2000, 71, 3886.	0.6	36
123	Ozone destruction and production rates between spring and autumn in the Arctic stratosphere. <i>Geophysical Research Letters</i> , 2000, 27, 2605-2608.	1.5	16
124	ATMOSPHERIC SCIENCE: Enhanced: Summer in the Stratosphere. <i>Science</i> , 1999, 285, 208-210.	6.0	40
125	Computer-controlled Teflon flow control valve. <i>Review of Scientific Instruments</i> , 1999, 70, 4732-4733.	0.6	10
126	NO _y partitioning from measurements of nitrogen and hydrogen radicals in the upper troposphere. <i>Geophysical Research Letters</i> , 1999, 26, 51-54.	1.5	9

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127	Constraints on N ₂ O sinks inferred from observed tracer correlations in the lower stratosphere. <i>Global Biogeochemical Cycles</i> , 1999, 13, 737-742.	1.9	9
128	A comparison of observations and model simulations of NO _x /NO _y in the lower stratosphere. <i>Geophysical Research Letters</i> , 1999, 26, 1153-1156.	1.5	61
129	Partitioning of NO _y species in the summer Arctic stratosphere. <i>Geophysical Research Letters</i> , 1999, 26, 1157-1160.	1.5	46
130	Global distribution of contrail radiative forcing. <i>Geophysical Research Letters</i> , 1999, 26, 1853-1856.	1.5	107
131	Comparison of modeled and observed values of NO ₂ and JNO ₂ during the Photochemistry of Ozone Loss in the Arctic Region in Summer (POLARIS) mission. <i>Journal of Geophysical Research</i> , 1999, 104, 26687-26703.	3.3	36
132	Transport into the northern hemisphere lowermost stratosphere revealed by in situ tracer measurements. <i>Journal of Geophysical Research</i> , 1999, 104, 26565-26580.	3.3	117
133	Comparison of MkIV balloon and ER-2 aircraft measurements of atmospheric trace gases. <i>Journal of Geophysical Research</i> , 1999, 104, 26779-26790.	3.3	106
134	Subsidence, mixing, and denitrification of Arctic polar vortex air measured during POLARIS. <i>Journal of Geophysical Research</i> , 1999, 104, 26611-26623.	3.3	49
135	Preface [to special section on Photochemistry of Ozone Loss in the Arctic Region in Summer (POLARIS)]. <i>Journal of Geophysical Research</i> , 1999, 104, 26481-26495.	3.3	32
136	Study of Inlet Materials for Sampling Atmospheric Nitric Acid. <i>Environmental Science & Technology</i> , 1999, 33, 1133-1136.	4.6	165
137	Aviation fuel tracer simulation: Model intercomparison and implications. <i>Geophysical Research Letters</i> , 1998, 25, 3947-3950.	1.5	48
138	Distribution of halon-1211 in the upper troposphere and lower stratosphere and the 1994 total bromine budget. <i>Journal of Geophysical Research</i> , 1998, 103, 1513-1526.	3.3	131
139	Constraining the heterogeneous loss of O ₃ on soot particles with observations in jet engine exhaust plumes. <i>Geophysical Research Letters</i> , 1998, 25, 3323-3326.	1.5	22
140	Hydrogen Radicals, Nitrogen Radicals, and the Production of O ₃ in the Upper Troposphere. <i>Science</i> , 1998, 279, 49-53.	6.0	329
141	The photochemistry of acetone in the upper troposphere: A source of odd-hydrogen radicals. <i>Geophysical Research Letters</i> , 1997, 24, 3177-3180.	1.5	193
142	Evaluating the role of NAT, NAD, and liquid H ₂ SO ₄ /H ₂ O/HNO ₃ solutions in Antarctic polar stratospheric cloud aerosol: Observations and implications. <i>Journal of Geophysical Research</i> , 1997, 102, 13255-13282.	3.3	54
143	Three-dimensional simulations of long-lived tracers using winds from MACCM2. <i>Journal of Geophysical Research</i> , 1997, 102, 21493-21513.	3.3	64
144	Evaluation of source gas lifetimes from stratospheric observations. <i>Journal of Geophysical Research</i> , 1997, 102, 25543-25564.	3.3	214

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145	The role of sulfur emission in volatile particle formation in jet aircraft exhaust plumes. <i>Geophysical Research Letters</i> , 1997, 24, 389-392.	1.5	37
146	Observed OH and HO ₂ in the upper troposphere suggest a major source from convective injection of peroxides. <i>Geophysical Research Letters</i> , 1997, 24, 3181-3184.	1.5	160
147	The role of HO _x in super- and subsonic aircraft exhaust plumes. <i>Geophysical Research Letters</i> , 1997, 24, 65-68.	1.5	19
148	Partitioning of the reactive nitrogen reservoir in the lower stratosphere of the southern hemisphere: Observations and modeling. <i>Journal of Geophysical Research</i> , 1997, 102, 3935-3949.	3.3	50
149	Influence of Antarctic denitrification on two-dimensional model NO _y /N ₂ O correlations in the lower stratosphere. <i>Journal of Geophysical Research</i> , 1997, 102, 13183-13192.	3.3	13
150	Mixing of polar vortex air into middle latitudes as revealed by tracer-tracer scatterplots. <i>Journal of Geophysical Research</i> , 1997, 102, 13119-13134.	3.3	144
151	Performance of an aircraft instrument for the measurement of NO _y . <i>Journal of Geophysical Research</i> , 1997, 102, 28663-28671.	3.3	63
152	Measurements of the NO _y -N ₂ O correlation in the lower stratosphere: Latitudinal and seasonal changes and model comparisons. <i>Journal of Geophysical Research</i> , 1997, 102, 13193-13212.	3.3	41
153	Measurements of polar vortex air in the midlatitudes. <i>Journal of Geophysical Research</i> , 1996, 101, 12879-12891.	3.3	44
154	Airborne gas chromatograph for in situ measurements of long-lived species in the upper troposphere and lower stratosphere. <i>Geophysical Research Letters</i> , 1996, 23, 347-350.	1.5	158
155	Stratospheric NO and NO ₂ abundances from ATMOS Solar-Occultation Measurements. <i>Geophysical Research Letters</i> , 1996, 23, 2373-2376.	1.5	39
156	In situ observations of NO _y , O ₃ , and the NO _y /O ₃ ratio in the lower stratosphere. <i>Geophysical Research Letters</i> , 1996, 23, 1653-1656.	1.5	44
157	A comparison of measurements from ATMOS and instruments aboard the ER-2 aircraft: Tracers of atmospheric transport. <i>Geophysical Research Letters</i> , 1996, 23, 2389-2392.	1.5	39
158	A comparison of measurements from ATMOS and instruments aboard the ER-2 aircraft: Halogenated gases. <i>Geophysical Research Letters</i> , 1996, 23, 2393-2396.	1.5	29
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