

# David Fahey

## List of Publications by Year in Descending Order

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

268  
papers

21,262  
citations

70  
h-index

138  
g-index

286  
ext. papers

23,268  
ext. citations

7.9  
avg, IF

5.78  
L-index

#	Paper	IF	Citations
268	THE NASA ATMOSPHERIC TOMOGRAPHY (ATom) MISSION: Imaging the Chemistry of the Global Atmosphere. <i>Bulletin of the American Meteorological Society</i> , <b>2021</b> , 1-53	6.1	6
267	The contribution of global aviation to anthropogenic climate forcing for 2000 to 2018. <i>Atmospheric Environment</i> , <b>2021</b> , 244, 117834	5.3	160
266	A microphysics guide to cirrus [Part 2: Climatologies of clouds and humidity from observations. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 12569-12608	6.8	38
265	Limited impact of sulfate-driven chemistry on black carbon aerosol aging in power plant plumes. <i>AIMS Environmental Science</i> , <b>2018</b> , 5, 195-215	1.9	1
264	Chapter 2 : Our Changing Climate. Impacts, Risks, and Adaptation in the United States: The Fourth National Climate Assessment, Volume II <b>2018</b> ,		32
263	Designing the Climate Observing System of the Future. <i>Earth's Future</i> , <b>2018</b> , 6, 80-102	7.9	13
262	THE NASA AIRBORNE TROPICAL TROPOPAUSE EXPERIMENT: High-Altitude Aircraft Measurements in the Tropical Western Pacific. <i>Bulletin of the American Meteorological Society</i> , <b>2017</b> , 98, 129-143	6.1	59
261	Global atmospheric response to emissions from a proposed reusable space launch system. <i>Earth's Future</i> , <b>2017</b> , 5, 37-48	7.9	7
260	The Role of Sulfur Dioxide in Stratospheric Aerosol Formation Evaluated Using In-Situ Measurements in the Tropical Lower Stratosphere. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 4280-4286	4.9	16
259	In situ measurements of water uptake by black carbon-containing aerosol in wildfire plumes. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 1086-1097	4.4	15
258	Probing the subtropical lowermost stratosphere and the tropical upper troposphere and tropopause layer for inorganic bromine. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 1161-1186	6.8	21
257	Fluorescence calibration method for single-particle aerosol fluorescence instruments. <i>Atmospheric Measurement Techniques</i> , <b>2017</b> , 10, 1755-1768	4	12
256	Probing the subtropical lowermost stratosphere, tropical upper troposphere, and tropopause layer for inorganic bromine <b>2016</b> ,		1
255	Persistent Water-Nitric Acid Condensate with Saturation Water Vapor Pressure Greater than That of Hexagonal Ice. <i>Journal of Physical Chemistry A</i> , <b>2016</b> , 120, 1431-40	2.8	8
254	A light-weight, high-sensitivity particle spectrometer for PM2.5 aerosol measurements. <i>Aerosol Science and Technology</i> , <b>2016</b> , 50, 88-99	3.4	42
253	Diverse policy implications for future ozone and surface UV in a changing climate. <i>Environmental Research Letters</i> , <b>2016</b> , 11, 064017	6.2	27
252	Instrumentation and Measurement Strategy for the NOAA SENEX Aircraft Campaign as Part of the Southeast Atmosphere Study 2013. <i>Atmospheric Measurement Techniques</i> , <b>2016</b> , 9, 3063-3093	4	50

251	The airborne mass spectrometer AIMS [Part 1: AIMS-H <sub>2</sub> O for UTLS water vapor measurements. <i>Atmospheric Measurement Techniques</i> , <b>2016</b> , 9, 939-953	4	15
250	A laser-induced fluorescence instrument for aircraft measurements of sulfur dioxide in the upper troposphere and lower stratosphere. <i>Atmospheric Measurement Techniques</i> , <b>2016</b> , 9, 4601-4613	4	15
249	The spectroscopic foundation of radiative forcing of climate by carbon dioxide. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5318-5325	4.9	14
248	Observational constraints on the efficiency of dehydration mechanisms in the tropical tropopause layer. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 2912-2918	4.9	17
247	Airborne observations of regional variation in fluorescent aerosol across the United States. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 1153-1170	4.4	68
246	Observations of high level of ozone at Qinghai Lake basin in the northeastern Qinghai-Tibetan Plateau, western China. <i>Journal of Atmospheric Chemistry</i> , <b>2015</b> , 72, 19-26	3.2	8
245	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> , <b>2015</b> , 81, 110-126	4.3	34
244	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> , <b>2015</b> , 8, 211-224	4	23
243	Atmosphere. Challenges of a lowered U.S. ozone standard. <i>Science</i> , <b>2015</b> , 348, 1096-7	33.3	71
242	Future atmospheric abundances and climate forcings from scenarios of global and regional hydrofluorocarbon (HFC) emissions. <i>Atmospheric Environment</i> , <b>2015</b> , 123, 200-209	5.3	75
241	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> , <b>2015</b> , 119, 4439-49	2.8	62
240	OH in the tropical upper troposphere and its relationships to solar radiation and reactive nitrogen. <i>Journal of Atmospheric Chemistry</i> , <b>2014</b> , 71, 55-64	3.2	11
239	The AquaVIT-1 intercomparison of atmospheric water vapor measurement techniques. <i>Atmospheric Measurement Techniques</i> , <b>2014</b> , 7, 3177-3213	4	68
238	Evaluation of UT/LS hygrometer accuracy by intercomparison during the NASA MACPEX mission. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 1915-1935	4.4	42
237	Black carbon aerosol characterization in a remote area of Qinghai-Tibetan Plateau, western China. <i>Science of the Total Environment</i> , <b>2014</b> , 479-480, 151-8	10.2	48
236	Evaluation of a Perpendicular Inlet for Airborne Sampling of Interstitial Submicron Black-Carbon Aerosol. <i>Aerosol Science and Technology</i> , <b>2013</b> , 47, 1066-1072	3.4	10
235	Evaluation of a Method to Measure Black Carbon Particles Suspended in Rainwater and Snow Samples. <i>Aerosol Science and Technology</i> , <b>2013</b> , 47, 1073-1082	3.4	27
234	Bounding the role of black carbon in the climate system: A scientific assessment. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 5380-5552	4.4	330

233	Global-scale seasonally resolved black carbon vertical profiles over the Pacific. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 5542-5547	4.9	108
232	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> , <b>2013</b> , 6, 1461-1475	4	15
231	A High-Sensitivity Low-Cost Optical Particle Counter Design. <i>Aerosol Science and Technology</i> , <b>2013</b> , 47, 137-145	3.4	17
230	Measurement of low-ppm mixing ratios of water vapor in the upper troposphere and lower stratosphere using chemical ionization mass spectrometry <b>2013</b> ,		1
229	Note: Compact, two-dimension translatable slit aperture. <i>Review of Scientific Instruments</i> , <b>2013</b> , 84, 116103	10.3	2
228	Black carbon aerosol size in snow. <i>Scientific Reports</i> , <b>2013</b> , 3, 1356	4.9	91
227	Inferring ice formation processes from global-scale black carbon profiles observed in the remote atmosphere and model simulations. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		24
226	Scales of variability of black carbon plumes over the Pacific Ocean. <i>Geophysical Research Letters</i> , <b>2012</b> , 39,	4.9	15
225	Assessing recent measurement techniques for quantifying black carbon concentration in snow <b>2012</b> ,		6
224	A compact, fast UV photometer for measurement of ozone from research aircraft. <i>Atmospheric Measurement Techniques</i> , <b>2012</b> , 5, 2201-2210	4	23
223	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> , <b>2012</b> , 5, 2581-2592	4	80
222	Climate change. Preserving Montreal Protocol climate benefits by limiting HFCs. <i>Science</i> , <b>2012</b> , 335, 922-333	3.3	98
221	Seasonal variability of black carbon mass in the tropical tropopause layer. <i>Geophysical Research Letters</i> , <b>2011</b> , 38,	4.9	10
220	Black carbon measurements in the Pearl River Delta region of China. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		44
219	Atmospheric emissions from the Deepwater Horizon spill constrain air-water partitioning, hydrocarbon fate, and leak rate. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	91
218	Extinction and optical depth of contrails. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	54
217	Characteristics of black carbon aerosol from a surface oil burn during the Deepwater Horizon oil spill. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	25
216	Organic aerosol formation downwind from the Deepwater Horizon oil spill. <i>Science</i> , <b>2011</b> , 331, 1295-9	33.3	138

215	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> , <b>2011</b> , 11, 2423-2453	6.8	217
214	Laboratory evaluation of the effect of nitric acid uptake on frost point hygrometer performance. <i>Atmospheric Measurement Techniques</i> , <b>2011</b> , 4, 289-296	4	8
213	Catalytic oxidation of H <sub>2</sub> on platinum: a robust method for generating low mixing ratio H <sub>2</sub> O standards. <i>Atmospheric Measurement Techniques</i> , <b>2011</b> , 4, 2059-2064	4	14
212	The Detection Efficiency of the Single Particle Soot Photometer. <i>Aerosol Science and Technology</i> , <b>2010</b> , 44, 612-628	3.4	136
211	Recent increases in global HFC-23 emissions. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	35
210	Global-scale black carbon profiles observed in the remote atmosphere and compared to models. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	159
209	Correction to Global-scale black carbon profiles observed in the remote atmosphere and compared to models. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	7
208	Soot Particle Studies Instrument Inter-Comparison Project Overview. <i>Aerosol Science and Technology</i> , <b>2010</b> , 44, 592-611	3.4	211
207	An important contribution to springtime Arctic aerosol from biomass burning in Russia. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	155
206	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> , <b>2010</b> , 10, 79-81	6.8	16
205	Aircraft observations of enhancement and depletion of black carbon mass in the springtime Arctic. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 9667-9680	6.8	60
204	The large contribution of projected HFC emissions to future climate forcing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2009</b> , 106, 10949-54	11.5	246
203	Aviation and global climate change in the 21st century. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 3520-3537	5.3	654
202	Heating rates and surface dimming due to black carbon aerosol absorption associated with a major U.S. city. <i>Geophysical Research Letters</i> , <b>2009</b> , 36, n/a-n/a	4.9	17
201	UV absorption spectrum of the ClO dimer (Cl <sub>2</sub> O <sub>2</sub> ) between 200 and 420 nm. <i>Journal of Physical Chemistry A</i> , <b>2009</b> , 113, 13711-26	2.8	55
200	Stratospheric correlation between nitric acid and ozone. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		15
199	Biomass burning in Siberia and Kazakhstan as an important source for haze over the Alaskan Arctic in April 2008. <i>Geophysical Research Letters</i> , <b>2009</b> , 36, n/a-n/a	4.9	249
198	Modelled radiative forcing of the direct aerosol effect with multi-observation evaluation. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 1365-1392	6.8	161

197	Evaluation of black carbon estimations in global aerosol models. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 9001-9026	6.8	510
196	Global observations of HNO <sub>3</sub> from the High Resolution Dynamics Limb Sounder (HIRDLS): First results. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		12
195	Validation of Aura Microwave Limb Sounder HCl measurements. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		33
194	Coatings and their enhancement of black carbon light absorption in the tropical atmosphere. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		233
193	Calculations of solar shortwave heating rates due to black carbon and ozone absorption using in situ measurements. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		24
192	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> , <b>2008</b> , 35,	4.9	334
191	Empirical correlations between black carbon aerosol and carbon monoxide in the lower and middle troposphere. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	54
190	Experimental and theoretical study of the atmospheric chemistry and global warming potential of SO <sub>2</sub> F <sub>2</sub> . <i>Journal of Physical Chemistry A</i> , <b>2008</b> , 112, 12657-66	2.8	55
189	Supersaturations, microphysics and nitric acid partitioning in a cold cirrus cloud observed during CR-AVE 2006: an observation-modelling intercomparison study. <i>Environmental Research Letters</i> , <b>2008</b> , 3, 035003	6.2	29
188	Steady-state aerosol distributions in the extra-tropical, lower stratosphere and the processes that maintain them. <i>Atmospheric Chemistry and Physics</i> , <b>2008</b> , 8, 6617-6626	6.8	27
187	A Novel Method for Estimating Light-Scattering Properties of Soot Aerosols Using a Modified Single-Particle Soot Photometer. <i>Aerosol Science and Technology</i> , <b>2007</b> , 41, 125-135	3.4	216
186	Condensed-phase nitric acid in a tropical subvisible cirrus cloud. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	19
185	Validation of the Aura Microwave Limb Sounder HNO <sub>3</sub> measurements. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		79
184	Measurements of trace gases in the tropical tropopause layer. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 7253-7361	3.3	31
183	An Inter-Comparison of Instruments Measuring Black Carbon Content of Soot Particles. <i>Aerosol Science and Technology</i> , <b>2007</b> , 41, 295-314	3.4	252
182	The importance of the Montreal Protocol in protecting climate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 4814-9	11.5	309
181	Measurements of relative humidity in a persistent contrail. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 1590-1600	3.3	10
180	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> , <b>2006</b> , 111,		507

179	A Chemical Ionization Mass Spectrometer for Ground-Based Measurements of Nitric Acid. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2006</b> , 23, 1104-1113	2	7
178	The observation of nitric acid-containing particles in the tropical lower stratosphere. <i>Atmospheric Chemistry and Physics</i> , <b>2006</b> , 6, 601-611	6.8	28
177	Nighttime OClO in the winter Arctic vortex. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		23
176	Using chemical ionization mass spectrometry for detection of HNO <sub>3</sub> , HCl, and ClONO <sub>2</sub> in the atmosphere. <i>International Journal of Mass Spectrometry</i> , <b>2005</b> , 243, 63-70	1.9	33
175	A Strategy for Process-Oriented Validation of Coupled ChemistryClimate Models. <i>Bulletin of the American Meteorological Society</i> , <b>2005</b> , 86, 1117-1134	6.1	118
174	Quantifying stratospheric ozone in the upper troposphere with in situ measurements of HCl. <i>Science</i> , <b>2004</b> , 304, 261-5	33.3	55
173	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
172	Stratospheric Aerosol Sampling: Effect of a Blunt-Body Housing on Inlet Sampling Characteristics. <i>Aerosol Science and Technology</i> , <b>2004</b> , 38, 1080-1090	3.4	6
171	Evidence that nitric acid increases relative humidity in low-temperature cirrus clouds. <i>Science</i> , <b>2004</b> , 303, 516-20	33.3	97
170	Trajectory studies of large HNO <sub>3</sub> -containing PSC particles in the Arctic: Evidence for the role of NAT. <i>Geophysical Research Letters</i> , <b>2004</b> , 31, n/a-n/a	4.9	4
169	Nitric acid uptake on subtropical cirrus cloud particles. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109, n/a-n/a		44
168	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> , <b>2003</b> , 108, SOL 67-1		14
167	Balloonborne in situ gas chromatograph for measurements in the troposphere and stratosphere. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		29
166	Quantifying uptake of HNO <sub>3</sub> and H <sub>2</sub> O by alumina particles in Athena-2 rocket plume. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		7
165	Measurements of large stratospheric particles in the Arctic polar vortex. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		13
164	Comment on "effects of cosmic rays on atmospheric chlorofluorocarbon dissociation and ozone depletion". <i>Physical Review Letters</i> , <b>2002</b> , 89, 219801; author reply 219802	7.4	23
163	Modeling the effect of denitrification on Arctic ozone depletion during winter 1999/2000. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SOL 65-1-SOL 65-18		32
162	A vortex-scale simulation of the growth and sedimentation of large nitric acid hydrate particles. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SOL 43-1		64

161	A scaling analysis of ER-2 data in the inner Arctic vortex during January-March 2000. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SOL 49-1-SOL 49-19		13
160	Descent and mixing in the 1999-2000 northern polar vortex inferred from in situ tracer measurements. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SOL 28-1		55
159	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> , <b>2002</b> , 107, SOL 60-1-SOL 60-26		12
158	An analysis of large HNO <sub>3</sub> -containing particles sampled in the Arctic stratosphere during the winter of 1999/2000. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, SOL 41-1		46
157	Relating inferred HNO <sub>3</sub> flux values to the denitrification of the 1999-2000 Arctic vortex. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 63-1-63-4	4-9	4
156	The emission and chemistry of reactive nitrogen species in the plume of an Athena II solid-fuel rocket motor. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 34-1-34-4	4-9	9
155	Role of NO <sub>y</sub> as a diagnostic of small-scale mixing in a denitrified polar vortex. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, ACL 21-1		7
154	Large NAT particle formation by mother clouds: Analysis of SOLVE/THESEO-2000 observations. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 52-1	4-9	24
153	In Situ Measurements of Long-Lived Trace Gases in the Lower Stratosphere by Gas Chromatography. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>2001</b> , 18, 1195-1204	2	32
152	In situ measurements of HNO <sub>3</sub> , NO <sub>y</sub> , NO, and O <sub>3</sub> in the lower stratosphere and upper troposphere. <i>Atmospheric Environment</i> , <b>2001</b> , 35, 5789-5797	5-3	46
151	The detection of large HNO <sub>3</sub> -containing particles in the winter Arctic stratosphere. <i>Science</i> , <b>2001</b> , 291, 1026-31	33-3	251
150	JNO <sub>2</sub> at high solar zenith angles in the lower stratosphere. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 2405-2408	4-9	3
149	Severe and extensive denitrification in the 1999-2000 Arctic winter stratosphere. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 2875-2878	4-9	62
148	Observational evidence for the role of denitrification in Arctic stratospheric ozone loss. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 2879-2882	4-9	27
147	Sources, Sinks, and the Distribution of OH in the Lower Stratosphere. <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 1543-1553	2-8	35
146	A fast-response chemical ionization mass spectrometer for in situ measurements of HNO <sub>3</sub> in the upper troposphere and lower stratosphere. <i>Review of Scientific Instruments</i> , <b>2000</b> , 71, 3886	1-7	31
145	Ozone destruction and production rates between spring and autumn in the Arctic stratosphere. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 2605-2608	4-9	16
144	ATMOSPHERIC SCIENCE:Enhanced: Summer in the Stratosphere. <i>Science</i> , <b>1999</b> , 285, 208-210	33-3	32



143	Computer-controlled Teflon flow control valve. <i>Review of Scientific Instruments</i> , <b>1999</b> , 70, 4732-4733	1.7	7
142	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
141	Constraints on N <sub>2</sub> O sinks inferred from observed tracer correlations in the lower stratosphere. <i>Global Biogeochemical Cycles</i> , <b>1999</b> , 13, 737-742	5.9	8
140	A comparison of observations and model simulations of NO <sub>x</sub> /NO <sub>y</sub> in the lower stratosphere. <i>Geophysical Research Letters</i> , <b>1999</b> , 26, 1153-1156	4.9	55
139	Partitioning of NO <sub>y</sub> species in the summer Arctic stratosphere. <i>Geophysical Research Letters</i> , <b>1999</b> , 26, 1157-1160	4.9	41
138	Global distribution of contrail radiative forcing. <i>Geophysical Research Letters</i> , <b>1999</b> , 26, 1853-1856	4.9	90
137	Comparison of modeled and observed values of NO <sub>2</sub> and JNO <sub>2</sub> during the Photochemistry of Ozone Loss in the Arctic Region in Summer (POLARIS) mission. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 26687-26703		31
136	Transport into the northern hemisphere lowermost stratosphere revealed by in situ tracer measurements. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 26565-26580		106
135	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
134	Subsidence, mixing, and denitrification of Arctic polar vortex air measured during POLARIS. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 26611-26623		48
133	Preface [to special section on Photochemistry of Ozone Loss in the Arctic Region in Summer (POLARIS)]. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 26481-26495		31
132	Study of Inlet Materials for Sampling Atmospheric Nitric Acid. <i>Environmental Science &amp; Technology</i> , <b>1999</b> , 33, 1133-1136	10.3	147
131	Aviation fuel tracer simulation: Model intercomparison and implications. <i>Geophysical Research Letters</i> , <b>1998</b> , 25, 3947-3950	4.9	44
130	Distribution of halon-1211 in the upper troposphere and lower stratosphere and the 1994 total bromine budget. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 1513-1526		122
129	Constraining the heterogeneous loss of O <sub>3</sub> on soot particles with observations in jet engine exhaust plumes. <i>Geophysical Research Letters</i> , <b>1998</b> , 25, 3323-3326	4.9	16
128	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
127	The photochemistry of acetone in the upper troposphere: A source of odd-hydrogen radicals. <i>Geophysical Research Letters</i> , <b>1997</b> , 24, 3177-3180	4.9	174
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