

Andrew J Weinheimer

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/562771/andrew-j-weinheimer-publications-by-year.pdf>
Version: 2024-04-09

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.

92 papers	4,606 citations	35 h-index	66 g-index
96 ext. papers	5,274 ext. citations	5.7 avg, IF	4.51 L-index

#	Paper	IF	Citations
92	Wildfire-driven changes in the abundance of gas-phase pollutants in the city of Boise, ID during summer 2018. <i>Atmospheric Pollution Research</i> , 2022 , 13, 101269	4.5	0
91	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> , 2021 , 21, 16293-16317	6.8	8
90	Novel Analysis to Quantify Plume Crosswind Heterogeneity Applied to Biomass Burning Smoke. <i>Environmental Science & Technology</i> , 2021 , 55, 15646-15657	10.3	2
89	Spatially Resolved Photochemistry Impacts Emissions Estimates in Fresh Wildfire Plumes. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL095443	4.9	1
88	Empirical Insights Into the Fate of Ammonia in Western U.S. Wildfire Smoke Plumes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033730	4.4	4
87	Emissions of Reactive Nitrogen From Western U.S. Wildfires During Summer 2018. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD032657	4.4	14
86	Daytime Oxidized Reactive Nitrogen Partitioning in Western U.S. Wildfire Smoke Plumes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033484	4.4	18
85	Variability and Time of Day Dependence of Ozone Photochemistry in Western Wildfire Plumes. <i>Environmental Science & Technology</i> , 2021 , 55, 10280-10290	10.3	9
84	Comprehensive evaluations of diurnal NO ₂ measurements during DISCOVER-AQ 2011: effects of resolution-dependent representation of NO _x emissions. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 11123-11138	6.8	1
83	Evidence of Nighttime Production of Organic Nitrates During SEAC4RS, FRAPP and KORUS-AQ. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087860	4.9	2
82	Revisiting the effectiveness of HCHO/NO ₂ ratios for inferring ozone sensitivity to its precursors using high resolution airborne remote sensing observations in a high ozone episode during the KORUS-AQ campaign. <i>Atmospheric Environment</i> , 2020 , 224, 117341	5.3	35
81	HONO Emissions from Western U.S. Wildfires Provide Dominant Radical Source in Fresh Wildfire Smoke. <i>Environmental Science & Technology</i> , 2020 , 54, 5954-5963	10.3	26
80	Observation-based modeling of ozone chemistry in the Seoul metropolitan area during the Korea-United States Air Quality Study (KORUS-AQ). <i>Elementa</i> , 2020 , 8,	3.6	19
79	An inversion of NO _x and non-methane volatile organic compound (NMVOC) emissions using satellite observations during the KORUS-AQ campaign and implications for surface ozone over East Asia. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 9837-9854	6.8	15
78	Rates of Wintertime Atmospheric SO ₂ Oxidation based on Aircraft Observations during Clear-Sky Conditions over the Eastern United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 6630-6649	4.4	8
77	Comparison of Airborne Reactive Nitrogen Measurements During WINTER. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 10483-10502	4.4	4
76	Evaluation of simulated O ₃ production efficiency during the KORUS-AQ campaign: Implications for anthropogenic NO _x emissions in Korea. <i>Elementa</i> , 2019 , 7,	3.6	22

75	First Top-Down Estimates of Anthropogenic NO _x Emissions Using High-Resolution Airborne Remote Sensing Observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 3269-3284	4.4	15
74	Heterogeneous N ₂ O ₅ Uptake During Winter: Aircraft Measurements During the 2015 WINTER Campaign and Critical Evaluation of Current Parameterizations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 4345-4372	4.4	69
73	Characterizing CO and NO _y Sources and Relative Ambient Ratios in the Baltimore Area Using Ambient Measurements and Source Attribution Modeling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 3304-3320	4.4	10
72	Wintertime Overnight NO _x Removal in a Southeastern United States Coal-fired Power Plant Plume: A Model for Understanding Winter NO _x Processing and its Implications. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 1412-1425	4.4	13
71	Chemical feedbacks weaken the wintertime response of particulate sulfate and nitrate to emissions reductions over the eastern United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 8110-8115	11.5	86
70	Flight Deployment of a High-Resolution Time-of-Flight Chemical Ionization Mass Spectrometer: Observations of Reactive Halogen and Nitrogen Oxide Species. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 7670	4.4	25
69	NO _x Lifetime and NO _y Partitioning During WINTER. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 9813-9827	4.4	32
68	Modeling NHNO Over the San Joaquin Valley During the 2013 DISCOVER-AQ Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 4727-4745	4.4	15
67	Nitrogen dioxide and formaldehyde measurements from the GEOstationary Coastal and Air Pollution Events (GEO-CAPE) Airborne Simulator over Houston, Texas. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 5941-5964	4	24
66	ClNO ₂ Yields From Aircraft Measurements During the 2015 WINTER Campaign and Critical Evaluation of the Current Parameterization. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 12,994	4.4	24
65	Nitrogen Oxides Emissions, Chemistry, Deposition, and Export Over the Northeast United States During the WINTER Aircraft Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 12,368	4.4	32
64	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> , 2018 , 123, 11225-11237	4.4	21
63	Stratospheric Injection of Brominated Very Short-Lived Substances: Aircraft Observations in the Western Pacific and Representation in Global Models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 5690-5719	4.4	30
62	Estimator of Surface Ozone Using Formaldehyde and Carbon Monoxide Concentrations Over the Eastern United States in Summer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 7642	4.4	9
61	The Convective Transport of Active Species in the Tropics (CONTRAST) Experiment. <i>Bulletin of the American Meteorological Society</i> , 2017 , 98, 106-128	6.1	40
60	Using observations and source specific model tracers to characterize pollutant transport during FRAPPE and DISCOVER-AQ. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 10510-10538	4.4	18
59	New insights into the column CH ₂ O/NO ₂ ratio as an indicator of near-surface ozone sensitivity. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 8885-8907	4.4	49
58	Formaldehyde in the Tropical Western Pacific: Chemical sources and sinks, convective transport, and representation in CAM-Chem and the CCM1 models. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 11201-11226	4.4	21

57	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> , 2017 , 122, 6075-6093	4.4	24
56	Large biogenic contribution to boundary layer O ₃ -CO regression slope in summer. <i>Geophysical Research Letters</i> , 2017 , 44, 7061-7068	4.9	12
55	Higher measured than modeled ozone production at increased NO _x levels in the Colorado Front Range. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 11273-11292	6.8	15
54	BrO and inferred Br _y profiles over the western Pacific: relevance of inorganic bromine sources and a Br _y minimum in the aged tropical tropopause layer. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 15245-15270	6.8	22
53	Evaluation of deep convective transport in storms from different convective regimes during the DC3 field campaign using WRF-Chem with lightning data assimilation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 7140-7163	4.4	7
52	Quantifying the contribution of thermally driven recirculation to a high-ozone event along the Colorado Front Range using lidar. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 10,377-10,390	4.4	27
51	Airborne quantification of upper tropospheric NO _x production from lightning in deep convective storms over the United States Great Plains. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 2002-2028	4.4	24
50	Airborne measurements of BrO and the sum of HOBr and Br ₂ 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> , 2016 , 121, 12,560-12,578	4.4	15
49	Large vertical gradient of reactive nitrogen oxides in the boundary layer: Modeling analysis of DISCOVER-AQ 2011 observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 1922-1934	4.4	33
48	Ozone production and its sensitivity to NO _x and VOCs: results from the DISCOVER-AQ field experiment, Houston 2013. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 14463-14474	6.8	58
47	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> , 2016 , 16, 12039-12058	6.8	19
46	On the effectiveness of nitrogen oxide reductions as a control over ammonium nitrate aerosol. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 2575-2596	6.8	41
45	Simulating reactive nitrogen, carbon monoxide, and ozone in California during ARCTAS-CARB 2008 with high wildfire activity. <i>Atmospheric Environment</i> , 2016 , 128, 28-44	5.3	19
44	A pervasive role for biomass burning in tropical high ozone/low water structures. <i>Nature Communications</i> , 2016 , 7, 10267	17.4	27
43	Frequency and Impact of Summertime Stratospheric Intrusions over Maryland during DISCOVER-AQ (2011): New Evidence from NASA's GEOS-5 Simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , Volume 121, 3687-3706	4.4	40
42	An observationally constrained evaluation of the oxidative capacity in the tropical western Pacific troposphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 7461-7488	4.4	17
41	Formaldehyde column density measurements as a suitable pathway to estimate near-surface ozone tendencies from space. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 13088-13112	4.4	14
40	Arctic springtime observations of volatile organic compounds during the OASIS-2009 campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 9789-9813	4.4	10

39	Mercury Emission Ratios from Coal-Fired Power Plants in the Southeastern United States during NOMADSS. <i>Environmental Science & Technology</i> , 2015 , 49, 10389-97	10.3	29
38	Ozone profiles in the Baltimore-Washington region (2006-2011): satellite comparisons and DISCOVER-AQ observations. <i>Journal of Atmospheric Chemistry</i> , 2015 , 72, 393-422	3.2	19
37	Spatial and temporal variability of trace gas columns derived from WRF/Chem regional model output: Planning for geostationary observations of atmospheric composition. <i>Atmospheric Environment</i> , 2015 , 118, 28-44	5.3	10
36	Bimodal distribution of free tropospheric ozone over the tropical western Pacific revealed by airborne observations. <i>Geophysical Research Letters</i> , 2015 , 42, 7844-7851	4.9	17
35	The Deep Convective Clouds and Chemistry (DC3) Field Campaign. <i>Bulletin of the American Meteorological Society</i> , 2015 , 96, 1281-1309	6.1	140
34	Relationship between column-density and surface mixing ratio: Statistical analysis of O ₃ and NO ₂ data from the July 2011 Maryland DISCOVER-AQ mission. <i>Atmospheric Environment</i> , 2014 , 92, 429-441	5.3	36
33	Convective transport of water vapor into the lower stratosphere observed during double-tropopause events. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 10,941-10,958	4.4	54
32	High levels of molecular chlorine in the Arctic atmosphere. <i>Nature Geoscience</i> , 2014 , 7, 91-94	18.3	79
31	Measured and modeled CO and NO _y in DISCOVER-AQ: An evaluation of emissions and chemistry over the eastern US. <i>Atmospheric Environment</i> , 2014 , 96, 78-87	5.3	92
30	Observations of total RONO ₂ over the boreal forest: NO _x sinks and HNO ₃ sources. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 4543-4562	6.8	57
29	Emission characteristics of black carbon in anthropogenic and biomass burning plumes over California during ARCTAS-CARB 2008. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		60
28	Observations of inorganic bromine (HOBr, BrO, and Br ₂) speciation at Barrow, Alaska, in spring 2009. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		58
27	Characteristics of tropospheric ozone depletion events in the Arctic spring: analysis of the ARCTAS, ARCPAC, and ARCIONS measurements and satellite BrO observations. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 9909-9922	6.8	33
26	Analysis of satellite-derived Arctic tropospheric BrO columns in conjunction with aircraft measurements during ARCTAS and ARCPAC. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 1255-1285	6.8	55
25	Emissions of black carbon, organic, and inorganic aerosols from biomass burning in North America and Asia in 2008. <i>Journal of Geophysical Research</i> , 2011 , 116,		166
24	Patterns of CO ₂ and radiocarbon across high northern latitudes during International Polar Year 2008. <i>Journal of Geophysical Research</i> , 2011 , 116,		48
23	A comparison of Arctic BrO measurements by chemical ionization mass spectrometry and long path-differential optical absorption spectroscopy. <i>Journal of Geophysical Research</i> , 2011 , 116,		93
22	Effects of aging on organic aerosol from open biomass burning smoke in aircraft and laboratory studies. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 12049-12064	6.8	418

21	Global and regional effects of the photochemistry of CH ₃ OO ₂ /NO ₂ : evidence from ARCTAS. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 4209-4219	6.8	41
20	Boreal forest fire emissions in fresh Canadian smoke plumes: C ₁₀ ; volatile organic compounds (VOCs), CO ₂ , CO, NO ₂ , NO, HCN and CH ₃ OH. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 1115-1123	6.8	178
19	Comparison of chemical characteristics of 495 biomass burning plumes intercepted by the NASA DC-8 aircraft during the ARCTAS/CARB-2008 field campaign. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 13325-13337	6.8	86
18	A complete dynamical ozone budget measured in the tropical marine boundary layer during PASE. <i>Journal of Atmospheric Chemistry</i> , 2011 , 68, 55-70	3.2	17
17	Nitrogen oxides and PAN in plumes from boreal fires during ARCTAS-B and their impact on ozone: an integrated analysis of aircraft and satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 9739-9760	6.8	188
16	Characterization of trace gases measured over Alberta oil sands mining operations: 76 speciated C ₁₀ ; volatile organic compounds (VOCs), CO ₂ , CH ₄ , CO, NO, NO ₂ , NO ₃ , H ₂ O, H ₂ CO, C ₂ H ₆ , C ₃ H ₈ , C ₄ H ₁₀ , C ₅ H ₁₂ , C ₆ H ₁₄ , C ₇ H ₁₆ , C ₈ H ₁₈ , C ₉ H ₂₀ , C ₁₀ H ₂₂ , C ₁₁ H ₂₄ , C ₁₂ H ₂₆ , C ₁₃ H ₂₈ , C ₁₄ H ₃₀ , C ₁₅ H ₃₂ , C ₁₆ H ₃₄ , C ₁₇ H ₃₆ , C ₁₈ H ₃₈ , C ₁₉ H ₄₀ , C ₂₀ H ₄₂ , C ₂₁ H ₄₄ , C ₂₂ H ₄₆ , C ₂₃ H ₄₈ , C ₂₄ H ₅₀ , C ₂₅ H ₅₂ , C ₂₆ H ₅₄ , C ₂₇ H ₅₆ , C ₂₈ H ₅₈ , C ₂₉ H ₆₀ , C ₃₀ H ₆₂ , C ₃₁ H ₆₄ , C ₃₂ H ₆₆ , C ₃₃ H ₆₈ , C ₃₄ H ₇₀ , C ₃₅ H ₇₂ , C ₃₆ H ₇₄ , C ₃₇ H ₇₆ , C ₃₈ H ₇₈ , C ₃₉ H ₈₀ , C ₄₀ H ₈₂ , C ₄₁ H ₈₄ , C ₄₂ H ₈₆ , C ₄₃ H ₈₈ , C ₄₄ H ₉₀ , C ₄₅ H ₉₂ , C ₄₆ H ₉₄ , C ₄₇ H ₉₆ , C ₄₈ H ₉₈ , C ₄₉ H ₁₀₀ , C ₅₀ H ₁₀₂ , C ₅₁ H ₁₀₄ , C ₅₂ H ₁₀₆ , C ₅₃ H ₁₀₈ , C ₅₄ H ₁₁₀ , C ₅₅ H ₁₁₂ , C ₅₆ H ₁₁₄ , C ₅₇ H ₁₁₆ , C ₅₈ H ₁₁₈ , C ₅₉ H ₁₂₀ , C ₆₀ H ₁₂₂ , C ₆₁ H ₁₂₄ , C ₆₂ H ₁₂₆ , C ₆₃ H ₁₂₈ , C ₆₄ H ₁₃₀ , C ₆₅ H ₁₃₂ , C ₆₆ H ₁₃₄ , C ₆₇ H ₁₃₆ , C ₆₈ H ₁₃₈ , C ₆₉ H ₁₄₀ , C ₇₀ H ₁₄₂ , C ₇₁ H ₁₄₄ , C ₇₂ H ₁₄₆ , C ₇₃ H ₁₄₈ , C ₇₄ H ₁₅₀ , C ₇₅ H ₁₅₂ , C ₇₆ H ₁₅₄ , C ₇₇ H ₁₅₆ , C ₇₈ H ₁₅₈ , C ₇₉ H ₁₆₀ , C ₈₀ H ₁₆₂ , C ₈₁ H ₁₆₄ , C ₈₂ H ₁₆₆ , C ₈₃ H ₁₆₈ , C ₈₄ H ₁₇₀ , C ₈₅ H ₁₇₂ , C ₈₆ H ₁₇₄ , C ₈₇ H ₁₇₆ , C ₈₈ H ₁₇₈ , C ₈₉ H ₁₈₀ , C ₉₀ H ₁₈₂ , C ₉₁ H ₁₈₄ , C ₉₂ H ₁₈₆ , C ₉₃ H ₁₈₈ , C ₉₄ H ₁₉₀ , C ₉₅ H ₁₉₂ , C ₉₆ H ₁₉₄ , C ₉₇ H ₁₉₆ , C ₉₈ H ₁₉₈ , C ₉₉ H ₂₀₀ , C ₁₀₀ H ₂₀₂ , C ₁₀₁ H ₂₀₄ , C ₁₀₂ H ₂₀₆ , C ₁₀₃ H ₂₀₈ , C ₁₀₄ H ₂₁₀ , C ₁₀₅ H ₂₁₂ , C ₁₀₆ H ₂₁₄ , C ₁₀₇ H ₂₁₆ , C ₁₀₈ H ₂₁₈ , C ₁₀₉ H ₂₂₀ , C ₁₁₀ H ₂₂₂ , C ₁₁₁ H ₂₂₄ , C ₁₁₂ H ₂₂₆ , C ₁₁₃ H ₂₂₈ , C ₁₁₄ H ₂₃₀ , C ₁₁₅ H ₂₃₂ , C ₁₁₆ H ₂₃₄ , C ₁₁₇ H ₂₃₆ , C ₁₁₈ H ₂₃₈ , C ₁₁₉ H ₂₄₀ , C ₁₂₀ H ₂₄₂ , C ₁₂₁ H ₂₄₄ , C ₁₂₂ H ₂₄₆ , C ₁₂₃ H ₂₄₈ , C ₁₂₄ H ₂₅₀ , C ₁₂₅ H ₂₅₂ , C ₁₂₆ H ₂₅₄ , C ₁₂₇ H ₂₅₆ , C ₁₂₈ H ₂₅₈ , C ₁₂₉ H ₂₆₀ , C ₁₃₀ H ₂₆₂ , C ₁₃₁ H ₂₆₄ , C ₁₃₂ H ₂₆₆ , C ₁₃₃ H ₂₆₈ , C ₁₃₄ H ₂₇₀ , C ₁₃₅ H ₂₇₂ , C ₁₃₆ H ₂₇₄ , C ₁₃₇ H ₂₇₆ , C ₁₃₈ H ₂₇₈ , C ₁₃₉ H ₂₈₀ , C ₁₄₀ H ₂₈₂ , C ₁₄₁ H ₂₈₄ , C ₁₄₂ H ₂₈₆ , C ₁₄₃ H ₂₈₈ , C ₁₄₄ H ₂₉₀ , C ₁₄₅ H ₂₉₂ , C ₁₄₆ H ₂₉₄ , C ₁₄₇ H ₂₉₆ , C ₁₄₈ H ₂₉₈ , C ₁₄₉ H ₃₀₀ , C ₁₅₀ H ₃₀₂ , C ₁₅₁ H ₃₀₄ , C ₁₅₂ H ₃₀₆ , C ₁₅₃ H ₃₀₈ , C ₁₅₄ H ₃₁₀ , C ₁₅₅ H ₃₁₂ , C ₁₅₆ H ₃₁₄ , C ₁₅₇ H ₃₁₆ , C ₁₅₈ H ₃₁₈ , C ₁₅₉ H ₃₂₀ , C ₁₆₀ H ₃₂₂ , C ₁₆₁ H ₃₂₄ , C ₁₆₂ H ₃₂₆ , C ₁₆₃ H ₃₂₈ , C ₁₆₄ H ₃₃₀ , C ₁₆₅ H ₃₃₂ , C ₁₆₆ H ₃₃₄ , C ₁₆₇ H ₃₃₆ , C ₁₆₈ H ₃₃₈ , C ₁₆₉ H ₃₄₀ , C ₁₇₀ H ₃₄₂ , C ₁₇₁ H ₃₄₄ , C ₁₇₂ H ₃₄₆ , C ₁₇₃ H ₃₄₈ , C ₁₇₄ H ₃₅₀ , C ₁₇₅ H ₃₅₂ , C ₁₇₆ H ₃₅₄ , C ₁₇₇ H ₃₅₆ , C ₁₇₈ H ₃₅₈ , C ₁₇₉ H ₃₆₀ , C ₁₈₀ H ₃₆₂ , C ₁₈₁ H ₃₆₄ , C ₁₈₂ H ₃₆₆ , C ₁₈₃ H ₃₆₈ , C ₁₈₄ H ₃₇₀ , C ₁₈₅ H ₃₇₂ , C ₁₈₆ H ₃₇₄ , C ₁₈₇ H ₃₇₆ , C ₁₈₈ H ₃₇₈ , C ₁₈₉ H ₃₈₀ , C ₁₉₀ H ₃₈₂ , C ₁₉₁ H ₃₈₄ , C ₁₉₂ H ₃₈₆ , C ₁₉₃ H ₃₈₈ , C ₁₉₄ H ₃₉₀ , C ₁₉₅ H ₃₉₂ , C ₁₉₆ H ₃₉₄ , C ₁₉₇ H ₃₉₆ , C ₁₉₈ H ₃₉₈ , C ₁₉₉ H ₄₀₀ , C ₂₀₀ H ₄₀₂ , C ₂₀₁ H ₄₀₄ , C ₂₀₂ H ₄₀₆ , C ₂₀₃ H ₄₀₈ , C ₂₀₄ H ₄₁₀ , C ₂₀₅ H ₄₁₂ , C ₂₀₆ H ₄₁₄ , C ₂₀₇ H ₄₁₆ , C ₂₀₈ H ₄₁₈ , C ₂₀₉ H ₄₂₀ , C ₂₁₀ H ₄₂₂ , C ₂₁₁ H ₄₂₄ , C ₂₁₂ H ₄₂₆ , C ₂₁₃ H ₄₂₈ , C ₂₁₄ H ₄₃₀ , C ₂₁₅ H ₄₃₂ , C ₂₁₆ H ₄₃₄ , C ₂₁₇ H ₄₃₆ , C ₂₁₈ H ₄₃₈ , C ₂₁₉ H ₄₄₀ , C ₂₂₀ H ₄₄₂ , C ₂₂₁ H ₄₄₄ , C ₂₂₂ H ₄₄₆ , C ₂₂₃ H ₄₄₈ , C ₂₂₄ H ₄₅₀ , C ₂₂₅ H ₄₅₂ , C ₂₂₆ H ₄₅₄ , C ₂₂₇ H ₄₅₆ , C ₂₂₈ H ₄₅₈ , C ₂₂₉ H ₄₆₀ , C ₂₃₀ H ₄₆₂ , C ₂₃₁ H ₄₆₄ , C ₂₃₂ H ₄₆₆ , C ₂₃₃ H ₄₆₈ , C ₂₃₄ H ₄₇₀ , C ₂₃₅ H ₄₇₂ , C ₂₃₆ H ₄₇₄ , C ₂₃₇ H ₄₇₆ , C ₂₃₈ H ₄₇₈ , C ₂₃₉ H ₄₈₀ , C ₂₄₀ H ₄₈₂ , C ₂₄₁ H ₄₈₄ , C ₂₄₂ H ₄₈₆ , C ₂₄₃ H ₄₈₈ , C ₂₄₄ H ₄₉₀ , C ₂₄₅ H ₄₉₂ , C ₂₄₆ H ₄₉₄ , C ₂₄₇ H ₄₉₆ , C ₂₄₈ H ₄₉₈ , C ₂₄₉ H ₅₀₀ , C ₂₅₀ H ₅₀₂ , C ₂₅₁ H ₅₀₄ , C ₂₅₂ H ₅₀₆ , C ₂₅₃ H ₅₀₈ , C ₂₅₄ H ₅₁₀ , C ₂₅₅ H ₅₁₂ , C ₂₅₆ H ₅₁₄ , C ₂₅₇ H ₅₁₆ , C ₂₅₈ H ₅₁₈ , C ₂₅₉ H ₅₂₀ , C ₂₆₀ H ₅₂₂ , C ₂₆₁ H ₅₂₄ , C ₂₆₂ H ₅₂₆ , C ₂₆₃ H ₅₂₈ , C ₂₆₄ H ₅₃₀ , C ₂₆₅ H ₅₃₂ , C ₂₆₆ H ₅₃₄ , C ₂₆₇ H ₅₃₆ , C ₂₆₈ H ₅₃₈ , C ₂₆₉ H ₅₄₀ , C ₂₇₀ H ₅₄₂ , C ₂₇₁ H ₅₄₄ , C ₂₇₂ H ₅₄₆ , C ₂₇₃ H ₅₄₈ , C ₂₇₄ H ₅₅₀ , C ₂₇₅ H ₅₅₂ , C ₂₇₆ H ₅₅₄ , C ₂₇₇ H ₅₅₆ , C ₂₇₈ H ₅₅₈ , C ₂₇₉ H ₅₆₀ , C ₂₈₀ H ₅₆₂ , C ₂₈₁ H ₅₆₄ , C ₂₈₂ H ₅₆₆ , C ₂₈₃ H ₅₆₈ , C ₂₈₄ H ₅₇₀ , C ₂₈₅ H ₅₇₂ , C ₂₈₆ H ₅₇₄ , C ₂₈₇ H ₅₇₆ , C ₂₈₈ H ₅₇₈ , C ₂₈₉ H ₅₈₀ , C ₂₉₀ H ₅₈₂ , C ₂₉₁ H ₅₈₄ , C ₂₉₂ H ₅₈₆ , C ₂₉₃ H ₅₈₈ , C ₂₉₄ H ₅₉₀ , C ₂₉₅ H ₅₉₂ , C ₂₉₆ H ₅₉₄ , C ₂₉₇ H ₅₉₆ , C ₂₉₈ H ₅₉₈ , C ₂₉₉ H ₆₀₀ , C ₃₀₀ H ₆₀₂ , C ₃₀₁ H ₆₀₄ , C ₃₀₂ H ₆₀₆ , C ₃₀₃ H ₆₀₈ , C ₃₀₄ H ₆₁₀ , C ₃₀₅ H ₆₁₂ , C ₃₀₆ H ₆₁₄ , C ₃₀₇ H ₆₁₆ , C ₃₀₈ H ₆₁₈ , C ₃₀₉ H ₆₂₀ , C ₃₁₀ H ₆₂₂ , C ₃₁₁ H ₆₂₄ , C ₃₁₂ H ₆₂₆ , C ₃₁₃ H ₆₂₈ , C ₃₁₄ H ₆₃₀ , C ₃₁₅ H ₆₃₂ , C ₃₁₆ H ₆₃₄ , C ₃₁₇ H ₆₃₆ , C ₃₁₈ H ₆₃₈ , C ₃₁₉ H ₆₄₀ , C ₃₂₀ H ₆₄₂ , C ₃₂₁ H ₆₄₄ , C ₃₂₂ H ₆₄₆ , C ₃₂₃ H ₆₄₈ , C ₃₂₄ H ₆₅₀ , C ₃₂₅ H ₆₅₂ , C ₃₂₆ H ₆₅₄ , C ₃₂₇ H ₆₅₆ , C ₃₂₈ H ₆₅₈ , C ₃₂₉ H ₆₆₀ , C ₃₃₀ H ₆₆₂ , C ₃₃₁ H ₆₆₄ , C ₃₃₂ H ₆₆₆ , C ₃₃₃ H ₆₆₈ , C ₃₃₄ H ₆₇₀ , C ₃₃₅ H ₆₇₂ , C ₃₃₆ H ₆₇₄ , C ₃₃₇ H ₆₇₆ , C ₃₃₈ H ₆₇₈ , C ₃₃₉ H ₆₈₀ , C ₃₄₀ H ₆₈₂ , C ₃₄₁ H ₆₈₄ , C ₃₄₂ H ₆₈₆ , C ₃₄₃ H ₆₈₈ , C ₃₄₄ H ₆₉₀ , C ₃₄₅ H ₆₉₂ , C ₃₄₆ H ₆₉₄ , C ₃₄₇ H ₆₉₆ , C ₃₄₈ H ₆₉₈ , C ₃₄₉ H ₇₀₀ , C ₃₅₀ H ₇₀₂ , C ₃₅₁ H ₇₀₄ , C ₃₅₂ H ₇₀₆ , C ₃₅₃ H ₇₀₈ , C ₃₅₄ H ₇₁₀ , C ₃₅₅ H ₇₁₂ , C ₃₅₆ H ₇₁₄ , C ₃₅₇ H ₇₁₆ , C ₃₅₈ H ₇₁₈ , C ₃₅₉ H ₇₂₀ , C ₃₆₀ H ₇₂₂ , C ₃₆₁ H ₇₂₄ , C ₃₆₂ H ₇₂₆ , C ₃₆₃ H ₇₂₈ , C ₃₆₄ H ₇₃₀ , C ₃₆₅ H ₇₃₂ , C ₃₆₆ H ₇₃₄ , C ₃₆₇ H ₇₃₆ , C ₃₆₈ H ₇₃₈ , C ₃₆₉ H ₇₄₀ , C ₃₇₀ H ₇₄₂ , C ₃₇₁ H ₇₄₄ , C ₃₇₂ H ₇₄₆ , C ₃₇₃ H ₇₄₈ , C ₃₇₄ H ₇₅₀ , C ₃₇₅ H ₇₅₂ , C ₃₇₆ H ₇₅₄ , C ₃₇₇ H ₇₅₆ , C ₃₇₈ H ₇₅₈ , C ₃₇₉ H ₇₆₀ , C ₃₈₀ H ₇₆₂ , C ₃₈₁ H ₇₆₄ , C ₃₈₂ H ₇₆₆ , C ₃₈₃ H ₇₆₈ , C ₃₈₄ H ₇₇₀ , C ₃₈₅ H ₇₇₂ , C ₃₈₆ H ₇₇₄ , C ₃₈₇ H ₇₇₆ , C ₃₈₈ H ₇₇₈ , C ₃₈₉ H ₇₈₀ , C ₃₉₀ H ₇₈₂ , C ₃₉₁ H ₇₈₄ , C ₃₉₂ H ₇₈₆ , C ₃₉₃ H ₇₈₈ , C ₃₉₄ H ₇₉₀ , C ₃₉₅ H ₇₉₂ , C ₃₉₆ H ₇₉₄ , C ₃₉₇ H ₇₉₆ , C ₃₉₈ H ₇₉₈ , C ₃₉₉ H ₈₀₀ , C ₄₀₀ H ₈₀₂ , C ₄₀₁ H ₈₀₄ , C ₄₀₂ H ₈₀₆ , C ₄₀₃ H ₈₀₈ , C ₄₀₄ H ₈₁₀ , C ₄₀₅ H ₈₁₂ , C ₄₀₆ H ₈₁₄ , C ₄₀₇ H ₈₁₆ , C ₄₀₈ H ₈₁₈ , C ₄₀₉ H ₈₂₀ , C ₄₁₀ H ₈₂₂ , C ₄₁₁ H ₈₂₄ , C ₄₁₂ H ₈₂₆ , C ₄₁₃ H ₈₂₈ , C ₄₁₄ H ₈₃₀ , C ₄₁₅ H ₈₃₂ , C ₄₁₆ H ₈₃₄ , C ₄₁₇ H ₈₃₆ , C ₄₁₈ H ₈₃₈ , C ₄₁₉ H ₈₄₀ , C ₄₂₀ H ₈₄₂ , C ₄₂₁ H ₈₄₄ , C ₄₂₂ H ₈₄₆ , C ₄₂₃ H ₈₄₈ , C ₄₂₄ H ₈₅₀ , C ₄₂₅ H ₈₅₂ , C ₄₂₆ H ₈₅₄ , C ₄₂₇ H ₈₅₆ , C ₄₂₈ H ₈₅₈ , C ₄₂₉ H ₈₆₀ , C ₄₃₀ H ₈₆₂ , C ₄₃₁ H ₈₆₄ , C ₄₃₂ H ₈₆₆ , C ₄₃₃ H ₈₆₈ , C ₄₃₄ H ₈₇₀ , C ₄₃₅ H ₈₇₂ , C ₄₃₆ H ₈₇₄ , C ₄₃₇ H ₈₇₆ , C ₄₃₈ H ₈₇₈ , C ₄₃₉ H ₈₈₀ , C ₄₄₀ H ₈₈₂ , C ₄₄₁ H ₈₈₄ , C ₄₄₂ H ₈₈₆ , C ₄₄₃ H ₈₈₈ , C ₄₄₄ H ₈₉₀ , C ₄₄₅ H ₈₉₂ , C ₄₄₆ H ₈₉₄ , C ₄₄₇ H ₈₉₆ , C ₄₄₈ H ₈₉₈ , C ₄₄₉ H ₉₀₀ , C ₄₅₀ H ₉₀₂ , C ₄₅₁ H ₉₀₄ , C ₄₅₂ H ₉₀₆ , C ₄₅₃ H ₉₀₈ , C ₄₅₄ H ₉₁₀ , C ₄₅₅ H ₉₁₂ , C ₄₅₆ H ₉₁₄ , C ₄₅₇ H ₉₁₆ , C ₄₅₈ H ₉₁₈ , C ₄₅₉ H ₉₂₀ , C ₄₆₀ H ₉₂₂ , C ₄₆₁ H ₉₂₄ , C ₄₆₂ H ₉₂₆ , C ₄₆₃ H ₉₂₈ , C ₄₆₄ H ₉₃₀ , C ₄₆₅ H ₉₃₂ , C ₄₆₆ H ₉₃₄ , C ₄₆₇ H ₉₃₆ , C ₄₆₈ H ₉₃₈ , C ₄₆₉ H ₉₄₀ , C ₄₇₀ H ₉₄₂ , C ₄₇₁ H ₉₄₄ , C ₄₇₂ H ₉₄₆ , C ₄₇₃ H ₉₄₈ , C ₄₇₄ H ₉₅₀ , C ₄₇₅ H ₉₅₂ , C ₄₇₆ H ₉₅₄ , C ₄₇₇ H ₉₅₆ , C ₄₇₈ H ₉₅₈ , C ₄₇₉ H ₉₆₀ , C ₄₈₀ H ₉₆₂ , C ₄₈₁ H ₉₆₄ , C ₄₈₂ H ₉₆₆ , C ₄₈₃ H ₉₆₈ , C ₄₈₄ H ₉₇₀ , C ₄₈₅ H ₉₇₂ , C ₄₈₆ H ₉₇₄ , C ₄₈₇ H ₉₇₆ , C ₄₈₈ H ₉₇₈ , C ₄₈₉ H ₉₈₀ , C ₄₉₀ H ₉₈₂ , C ₄₉₁ H ₉₈₄ , C ₄₉₂ H ₉₈₆ , C ₄₉₃ H ₉₈₈ , C ₄₉₄ H ₉₉₀ , C ₄₉₅ H ₉₉₂ , C ₄₉₆ H ₉₉₄ , C ₄₉₇ H ₉₉₆ , C ₄₉₈ H ₉₉₈ , C ₄₉₉ H ₁₀₀₀ , C ₅₀₀ H ₁₀₀₂ , C ₅₀₁ H ₁₀₀₄ , C ₅₀₂ H ₁₀₀₆ , C ₅₀₃ H ₁₀₀₈ , C ₅₀₄ H ₁₀₁₀ , C ₅₀₅ H ₁₀₁₂ , C ₅₀₆ H ₁₀₁₄ , C ₅₀₇ H ₁₀₁₆ , C ₅₀₈ H ₁₀₁₈ , C ₅₀₉ H ₁₀₂₀ , C ₅₁₀ H ₁₀₂₂ , C ₅₁₁ H ₁₀₂₄ , C ₅₁₂ H ₁₀₂₆ , C ₅₁₃ H ₁₀₂₈ , C ₅₁₄ H ₁₀₃₀ , C ₅₁₅ H ₁₀₃₂ , C ₅₁₆ H ₁₀₃₄ , C ₅₁₇ H ₁₀₃₆ , C ₅₁₈ H ₁₀₃₈ , C ₅₁₉ H ₁₀₄₀ , C ₅₂₀ H ₁₀₄₂ , C ₅₂₁ H ₁₀₄₄ , C ₅₂₂ H ₁₀₄₆ , C ₅₂₃ H ₁₀₄₈ , C ₅₂₄ H ₁₀₅₀ , C ₅₂₅ H ₁₀₅₂ , C ₅₂₆ H ₁₀₅₄ , C ₅₂₇ H ₁₀₅₆ , C ₅₂₈ H ₁₀₅₈ , C ₅₂₉ H ₁₀₆₀ , C ₅₃₀ H ₁₀₆₂ , C ₅₃₁ H ₁₀₆₄ , C ₅₃₂ H ₁₀₆₆ , C ₅₃₃ H ₁₀₆₈ , C ₅₃₄ H ₁₀₇₀ , C ₅₃₅ H ₁₀₇₂ , C ₅₃₆ H ₁₀₇₄ , C ₅₃₇ H ₁₀₇₆ , C ₅₃₈ H ₁₀₇₈ , C ₅₃₉ H ₁₀₈₀ , C ₅₄₀ H ₁₀₈₂ , C ₅₄₁ H ₁₀₈₄ , C ₅₄₂ H ₁₀₈₆ , C ₅₄₃ H ₁₀₈₈ , C ₅₄₄ H ₁₀₉₀ , C ₅₄₅ H ₁₀₉₂ , C ₅₄₆ H ₁₀₉₄ , C ₅₄₇ H ₁₀₉₆ , C ₅₄₈ H ₁₀₉₈ , C ₅₄₉ H ₁₁₀₀ , C ₅₅₀ H ₁₁₀₂ , C ₅₅₁ H ₁₁₀₄ , C ₅₅₂ H ₁₁₀₆ , C ₅₅₃ H ₁₁₀₈ , C ₅₅₄ H ₁₁₁₀ , C ₅₅₅ H ₁₁₁₂ , C ₅₅₆ H ₁₁₁₄ , C ₅₅₇ H ₁₁₁₆ , C ₅₅₈ H ₁₁₁₈ , C ₅₅₉ H ₁₁₂₀ , C ₅₆₀ H ₁₁₂₂ , C ₅₆₁ H ₁₁₂₄ , C ₅₆₂ H ₁₁₂₆ , C ₅₆₃ H ₁₁₂₈ , C ₅₆₄ H ₁₁₃₀ , C ₅₆₅ H ₁₁₃₂ , C ₅₆₆ H ₁₁₃₄ , C ₅₆₇ H ₁₁₃₆ , C ₅₆₈ H ₁₁₃₈ , C ₅₆₉ H ₁₁₄₀ , C ₅₇₀ H ₁₁₄₂ , C ₅₇₁ H ₁₁₄₄ , C ₅₇₂ H ₁₁₄₆ , C ₅₇₃ H ₁₁₄₈ , C ₅₇₄ H ₁₁₅₀ , C ₅₇₅ H ₁₁₅₂ , C ₅₇₆ H ₁₁₅₄ , C ₅₇₇ H ₁₁₅₆ , C ₅₇₈ H ₁₁₅₈ , C ₅₇₉ H ₁₁₆₀ , C ₅₈₀ H ₁₁₆₂ , C ₅₈₁ H ₁₁₆₄ , C ₅₈₂ H ₁₁₆₆ , C ₅₈₃ H ₁₁₆₈ , C ₅₈₄ H ₁₁₇₀ , C ₅₈₅ H ₁₁₇₂ , C ₅₈₆ H ₁₁₇₄ , C ₅₈₇ H ₁₁₇₆ , C ₅₈₈ H ₁₁₇₈ , C ₅₈₉ H ₁₁₈₀ , C ₅₉₀ H ₁₁₈₂ , C ₅₉₁ H ₁₁₈₄ , C ₅₉₂ H ₁₁₈₆ , C ₅₉₃ H ₁₁₈₈ , C ₅₉₄ H ₁₁₉₀ , C ₅₉₅ H ₁₁₉₂ , C ₅₉₆ H ₁₁₉₄ , C ₅₉₇ H ₁₁₉₆ , C ₅₉₈ H ₁₁₉₈ , C ₅₉₉ H ₁₂₀₀ , C ₆₀₀ H ₁₂₀₂ , C ₆₀₁ H ₁₂₀₄ , C ₆₀₂ H ₁₂₀₆ , C ₆₀₃ H ₁₂₀₈ , C ₆₀₄ H ₁₂₁₀ , C ₆₀₅ H ₁₂₁₂ , C ₆₀₆ H ₁₂₁₄ , C ₆₀₇ H ₁₂₁₆ , C ₆₀₈ H ₁₂₁₈ , C ₆₀₉ H ₁₂₂₀ , C ₆₁₀ H ₁₂₂₂ , C ₆₁₁ H ₁₂₂₄ , C ₆₁₂ H ₁₂₂₆ , C ₆₁₃ H ₁₂₂₈ , C ₆₁₄ H ₁₂₃₀ , C ₆₁₅ H ₁₂₃₂ , C ₆₁₆ H ₁₂₃₄ , C ₆₁₇ H ₁₂₃₆ , C ₆₁₈ H ₁₂₃₈ , C		

3	Airborne in-situ OH and HO ₂ observations in the cloud-free troposphere and lower stratosphere during SUCCESS. <i>Geophysical Research Letters</i> , 1998 , 25, 1701-1704	4.9	88
2	Meridional distributions of NO _x , NO _y , and other species in the lower stratosphere and upper troposphere during AASE II. <i>Geophysical Research Letters</i> , 1994 , 21, 2583-2586	4.9	88
1	Observations and Modeling of NO _x Photochemistry and Fate in Fresh Wildfire Plumes. <i>ACS Earth and Space Chemistry</i> ,	3.2	1