

J H Crawford

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.

170
papers

9,066
citations

53
h-index

88
g-index

178
ext. papers

10,139
ext. citations

5.9
avg, IF

5
L-index

#	Paper	IF	Citations
170	Observations of atmospheric oxidation and ozone production in South Korea. <i>Atmospheric Environment</i> , 2022 , 269, 118854	5.3	1
169	Ozone chemistry in western U.S. wildfire plumes. <i>Science Advances</i> , 2021 , 7, eabl3648	14.3	6
168	Validation of IASI Satellite Ammonia Observations at the Pixel Scale Using In Situ Vertical Profiles. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033475	4.4	4
167	Assessing sub-grid variability within satellite pixels over urban regions using airborne mapping spectrometer measurements. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 4639-4655	4	2
166	Satellite soil moisture data assimilation impacts on modeling weather variables and ozone in the southeastern US [Part 1: An overview. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 11013-11040	6.8	1
165	Multi-model intercomparisons of air quality simulations for the KORUS-AQ campaign. <i>Elementa</i> , 2021 , 9,	3.6	13
164	The Korea-United States Air Quality (KORUS-AQ) field study.. <i>Elementa</i> , 2021 , 9, 1-27	3.6	27
163	Airborne formaldehyde and volatile organic compound measurements over the Daesan petrochemical complex on Korea's northwest coast during the Korea-United States Air Quality study. <i>Elementa</i> , 2020 , 8,	3.6	6
162	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
161	Investigation of factors controlling PM variability across the South Korean Peninsula during KORUS-AQ. <i>Elementa</i> , 2020 , 8,	3.6	28
160	Impact of Aerosols From Urban and Shipping Emission Sources on Terrestrial Carbon Uptake and Evapotranspiration: A Case Study in East Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD030818	4.4	3
159	New Era of Air Quality Monitoring from Space: Geostationary Environment Monitoring Spectrometer (GEMS). <i>Bulletin of the American Meteorological Society</i> , 2020 , 101, E1-E22	6.1	81
158	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> , 2020 , 125, e2019JD031197	4.4	14
157	Evaluation of simulated O3 production efficiency during the KORUS-AQ campaign: Implications for anthropogenic NOx emissions in Korea. <i>Elementa</i> , 2019 , 7,	3.6	22
156	Meteorology influencing springtime air quality, pollution transport, and visibility in Korea. <i>Elementa</i> , 2019 , 7,	3.6	38
155	Improve observation-based ground-level ozone spatial distribution by compositing satellite and surface observations: A simulation experiment. <i>Atmospheric Environment</i> , 2018 , 180, 226-233	5.3	2
154	Characterizing CO and NOy 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

153	BATAL: The Balloon Measurement Campaigns of the Asian Tropopause Aerosol Layer. <i>Bulletin of the American Meteorological Society</i> , 2018 , 99, 955-973	6.1	56
152	Observations of the Interaction and Transport of Fine Mode Aerosols with Cloud and/or Fog in Northeast Asia from Aerosol Robotic Network (AERONET) and Satellite Remote Sensing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 5560-5587	4.4	33
151	An overview of mesoscale aerosol processes, comparisons, and validation studies from DRAGON networks. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 655-671	6.8	48
150	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
149	Modeling regional pollution transport events during KORUS-AQ: Progress and challenges in improving representation of land-atmosphere feedbacks. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 10732-10756	4.4	9
148	The first evaluation of formaldehyde column observations by improved Pandora spectrometers during the KORUS-AQ field study. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 4943-4961	4	18
147	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
146	High-resolution NO ₂ observations from the Airborne Compact Atmospheric Mapper: Retrieval and validation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 1953-1970	4.4	28
145	Biogenic isoprene emissions driven by regional weather predictions using different initialization methods: case studies during the SEAC ⁴ and DISCOVER-AQ airborne campaigns. <i>Geoscientific Model Development</i> , 2017 , 10, 3085-3104	6.3	5
144	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
143	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
142	Investigating Local and Remote Terrestrial Influence on Air Masses at Contrasting Antarctic Sites Using Radon-222 and Back Trajectories. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 13,525-13,544	4.4	44
141	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
140	The impacts of aerosol loading, composition, and water uptake on aerosol extinction variability in the Baltimore-Washington, D.C. region. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 1003-1015	6.8	23
139	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
138	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
137	In situ measurements and modeling of reactive trace gases in a small biomass burning plume. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 3813-3824	6.8	51
136	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> , 2016 , 43, 11,462	4.9	23

135	Ozone Production and Its Sensitivity to NO _x and VOCs: Results from the DISCOVER-AQ Field Experiment, Houston 2013 2016 ,		2
134	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
133	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> , 2016 , 121, 7430-7460	4.4	23
132	Variability of O ₃ and NO ₂ profile shapes during DISCOVER-AQ: Implications for satellite observations and comparisons to model-simulated profiles. <i>Atmospheric Environment</i> , 2016 , 147, 133-158	5.3	6
131	Estimating surface NO and SO mixing ratios from fast-response total column observations and potential application to geostationary missions. <i>Journal of Atmospheric Chemistry</i> , 2015 , 72, 261-286	3.2	33
130	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
129	Upper tropospheric ozone production from lightning NO _x -impacted convection: Smoke ingestion case study from the DC3 campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 2505-2523	4.4	68
128	Origin of springtime ozone enhancements in the lower troposphere over Beijing: in situ measurements and model analysis. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 5161-5179	6.8	18
127	The Deep Convective Clouds and Chemistry (DC3) Field Campaign. <i>Bulletin of the American Meteorological Society</i> , 2015 , 96, 1281-1309	6.1	140
126	Impact of Bay-Breeze Circulations on Surface Air Quality and Boundary Layer Export. <i>Journal of Applied Meteorology and Climatology</i> , 2014 , 53, 1697-1713	2.7	53
125	An elevated reservoir of air pollutants over the Mid-Atlantic States during the 2011 DISCOVER-AQ campaign: Airborne measurements and numerical simulations. <i>Atmospheric Environment</i> , 2014 , 85, 18-30	5.3	30
124	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
123	Characterising terrestrial influences on Antarctic air masses using Radon-222 measurements at King George Island. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 9903-9916	6.8	47
122	A compact PTR-ToF-MS instrument for airborne measurements of volatile organic compounds at high spatiotemporal resolution. <i>Atmospheric Measurement Techniques</i> , 2014 , 7, 3763-3772	4	65
121	Thunderstorms enhance tropospheric ozone by wrapping and shedding stratospheric air. <i>Geophysical Research Letters</i> , 2014 , 41, 7785-7790	4.9	49
120	Performance evaluation of a 1.6- μ m methane DIAL system from ground, aircraft and UAV platforms. <i>Optics Express</i> , 2013 , 21, 30415-32	3.3	26
119	Distribution, variability and sources of tropospheric ozone over south China in spring: Intensive ozonesonde measurements at five locations and modeling analysis. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		18
118	Airborne intercomparison of HO _x measurements using laser-induced fluorescence and chemical ionization mass spectrometry during ARCTAS 2012 ,		2

117	Airborne intercomparison of HO _x measurements using laser-induced fluorescence and chemical ionization mass spectrometry during ARCTAS. <i>Atmospheric Measurement Techniques</i> , 2012 , 5, 2025-2037	4	23
116	Characterization of soluble bromide measurements and a case study of BrO observations during ARCTAS. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 1327-1338	6.8	22
115	Impact of the deep convection of isoprene and other reactive trace species on radicals and ozone in the upper troposphere. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 1135-1150	6.8	30
114	Nucleation and growth of sulfate aerosol in coal-fired power plant plumes: sensitivity to background aerosol and meteorology. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 189-206	6.8	59
113	An analysis of fast photochemistry over high northern latitudes during spring and summer using in-situ observations from ARCTAS and TOPSE. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 6799-6825	6.8	29
112	Reactive nitrogen, ozone and ozone production in the Arctic troposphere and the impact of stratosphere-troposphere exchange. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 13181-13199	6.8	28
111	Detailed comparisons of airborne formaldehyde measurements with box models during the 2006 INTEX-B and MILAGRO campaigns: potential evidence for significant impacts of unmeasured and multi-generation volatile organic carbon compounds. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 11867-11894	6.8	32
110	A study of regional-scale variability of in situ and model-generated tropospheric trace gases: Insights into observational requirements for a satellite in geostationary orbit. <i>Atmospheric Environment</i> , 2011 , 45, 4682-4694	5.3	7
109	Measurements of tropospheric HO ₂ and RO ₂ by oxygen dilution modulation and chemical ionization mass spectrometry. <i>Atmospheric Measurement Techniques</i> , 2011 , 4, 735-756	4	46
108	An overview of measurement comparisons from the INTEX-B/MILAGRO airborne field campaign. <i>Atmospheric Measurement Techniques</i> , 2011 , 4, 9-27	4	14
107	Measurements of tropospheric HO ₂ and RO ₂ by oxygen dilution modulation and chemical ionization mass spectrometry 2011 ,		4
106	An overview of measurement comparisons from the INTEX-B/MILAGRO airborne field campaign 2010 ,		1
105	Atmospheric chemistry of an Antarctic volcanic plume. <i>Journal of Geophysical Research</i> , 2010 , 115,		43
104	Atmospheric chemistry results from the ANTCI 2005 Antarctic plateau airborne study. <i>Journal of Geophysical Research</i> , 2010 , 115,		30
103	A new interpretation of total column BrO during Arctic spring. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	102
102	The Arctic Research of the Composition of the Troposphere from Aircraft and Satellites (ARCTAS) mission: design, execution, and first results. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 5191-5212	6.8	364
101	Chemistry of hydrogen oxide radicals (HO _x) in the Arctic troposphere in spring. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 5823-5838	6.8	184
100	Impact of Mexico City emissions on regional air quality from MOZART-4 simulations. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 6195-6212	6.8	70

99	A comparison of chemical mechanisms based on TRAMP-2006 field data. <i>Atmospheric Environment</i> , 2010 , 44, 4116-4125	5:3	54
98	South Pole Antarctica observations and modeling results: New insights on HOx radical and sulfur chemistry. <i>Atmospheric Environment</i> , 2010 , 44, 572-581	5:3	28
97	Impact of clouds and aerosols on ozone production in Southeast Texas. <i>Atmospheric Environment</i> , 2010 , 44, 4126-4133	5:3	33
96	Application of OMI observations to a space-based indicator of NOx and VOC controls on surface ozone formation. <i>Atmospheric Environment</i> , 2010 , 44, 2213-2223	5:3	179
95	Pollution influences on atmospheric composition and chemistry at high northern latitudes: Boreal and California forest fire emissions. <i>Atmospheric Environment</i> , 2010 , 44, 4553-4564	5:3	116
94	Summertime buildup and decay of lightning NOx and aged thunderstorm outflow above North America. <i>Journal of Geophysical Research</i> , 2009 , 114,		29
93	Sensitivity of photolysis frequencies and key tropospheric oxidants in a global model to cloud vertical distributions and optical properties. <i>Journal of Geophysical Research</i> , 2009 , 114,		8
92	Inferring ozone production in an urban atmosphere using measurements of peroxyacetic acid. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 3697-3707	6:8	15
91	Airborne measurement of OH reactivity during INTEX-B. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 1636183	6:8	225
90	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> , 2009 , 9, 2301-2318	6:8	206
89	Antarctic Tropospheric Chemistry Investigation (ANTCI) 2003 overview. <i>Atmospheric Environment</i> , 2008 , 42, 2749-2761	5:3	54
88	A reassessment of Antarctic plateau reactive nitrogen based on ANTCI 2003 airborne and ground based measurements. <i>Atmospheric Environment</i> , 2008 , 42, 2831-2848	5:3	70
87	HOx chemistry during INTEX-A 2004: Observation, model calculation, and comparison with previous studies. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		142
86	Formaldehyde over North America and the North Atlantic during the summer 2004 INTEX campaign: Methods, observed distributions, and measurement-model comparisons. <i>Journal of Geophysical Research</i> , 2008 , 113,		38
85	Role of convection in redistributing formaldehyde to the upper troposphere over North America and the North Atlantic during the summer 2004 INTEX campaign. <i>Journal of Geophysical Research</i> , 2008 , 113,		31
84	Reactive nitrogen distribution and partitioning in the North American troposphere and lowermost stratosphere. <i>Journal of Geophysical Research</i> , 2007 , 112,		89
83	Measurement of HO ₂ NO ₂ in the free troposphere during the Intercontinental Chemical Transport Experiment-North America 2004. <i>Journal of Geophysical Research</i> , 2007 , 112,		60
82	Chemical data assimilation estimates of continental U.S. ozone and nitrogen budgets during the Intercontinental Chemical Transport Experiment-North America. <i>Journal of Geophysical Research</i> , 2007 , 112,		92

81	An assessment of the polar HOx photochemical budget based on 2003 Summit Greenland field observations. <i>Atmospheric Environment</i> , 2007 , 41, 7806-7820	5.3	32
80	Direct measurements of the convective recycling of the upper troposphere. <i>Science</i> , 2007 , 315, 816-20	33.3	101
79	An overview of snow photochemistry: evidence, mechanisms and impacts. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 4329-4373	6.8	459
78	Radiative effect of clouds on tropospheric chemistry in a global three-dimensional chemical transport model. <i>Journal of Geophysical Research</i> , 2006 , 111,		44
77	A reevaluation of airborne HOx observations from NASA field campaigns. <i>Journal of Geophysical Research</i> , 2006 , 111, n/a-n/a		63
76	On the flux of oxygenated volatile organic compounds from organic aerosol oxidation. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	47
75	Large upper tropospheric ozone enhancements above midlatitude North America during summer: In situ evidence from the IONS and MOZAIC ozone measurement network. <i>Journal of Geophysical Research</i> , 2006 , 111,		102
74	Overview of the summer 2004 Intercontinental Chemical Transport Experiment North America (INTEX-A). <i>Journal of Geophysical Research</i> , 2006 , 111,		209
73	An investigation of the chemistry of ship emission plumes during ITCT 2002. <i>Journal of Geophysical Research</i> , 2005 , 110,		79
72	A reassessment of HOx South Pole chemistry based on observations recorded during ISCAT 2000. <i>Atmospheric Environment</i> , 2004 , 38, 5451-5461	5.3	80
71	South Pole. <i>Atmospheric Environment</i> , 2004 , 38, 5375-5388	5.3	112
70	An overview of ISCAT 2000. <i>Atmospheric Environment</i> , 2004 , 38, 5363-5373	5.3	48
69	Heterogeneous chemistry involving methanol in tropospheric clouds. <i>Geophysical Research Letters</i> , 2004 , 31, n/a-n/a	4.9	31
68	Analysis of the atmospheric distribution, sources, and sinks of oxygenated volatile organic chemicals based on measurements over the Pacific during TRACE-P. <i>Journal of Geophysical Research</i> , 2004 , 109,		194
67	Chemical transport model ozone simulations for spring 2001 over the western Pacific: Regional ozone production and its global impacts. <i>Journal of Geophysical Research</i> , 2004 , 109,		28
66	Impacts of biomass burning in Southeast Asia on ozone and reactive nitrogen over the western Pacific in spring. <i>Journal of Geophysical Research</i> , 2004 , 109,		73
65	Testing fast photochemical theory during TRACE-P based on measurements of OH, HO ₂ , and CH ₂ O. <i>Journal of Geophysical Research</i> , 2004 , 109,		50
64	Relationship between Measurements of Pollution in the Troposphere (MOPITT) and in situ observations of CO based on a large-scale feature sampled during TRACE-P. <i>Journal of Geophysical Research</i> , 2004 , 109,		14

63	A three-dimensional regional modeling study of the impact of clouds on sulfate distributions during TRACE-P. <i>Journal of Geophysical Research</i> , 2004 , 109,	7
62	Photochemistry of ozone over the western Pacific from winter to spring. <i>Journal of Geophysical Research</i> , 2004 , 109,	33
61	Long-range transport of Asian outflow to the equatorial Pacific. <i>Journal of Geophysical Research</i> , 2003 , 108, PEM 5-1	32
60	An assessment of ozone photochemistry in the central/eastern North Pacific as determined from multiyear airborne field studies. <i>Journal of Geophysical Research</i> , 2003 , 108, PEM 9-1	4
59	Dispersion and chemical evolution of ship plumes in the marine boundary layer: Investigation of O ₃ /NO _y /HO _x chemistry. <i>Journal of Geophysical Research</i> , 2003 , 108,	57
58	Cloud impacts on UV spectral actinic flux observed during the International Photolysis Frequency Measurement and Model Intercomparison (IPMMI). <i>Journal of Geophysical Research</i> , 2003 , 108,	43
57	Photochemical production and evolution of selected C ₂ –C ₅ alkyl nitrates in tropospheric air influenced by Asian outflow. <i>Journal of Geophysical Research</i> , 2003 , 108,	47
56	International Photolysis Frequency Measurement and Model Intercomparison (IPMMI): Spectral actinic solar flux measurements and modeling. <i>Journal of Geophysical Research</i> , 2003 , 108,	36
55	Photolysis frequency of NO ₂ : Measurement and modeling during the International Photolysis Frequency Measurement and Modeling Intercomparison (IPMMI). <i>Journal of Geophysical Research</i> , 2003 , 108,	40
54	Role of wave cyclones in transporting boundary layer air to the free troposphere during the spring 2001 NASA/TRACE-P experiment. <i>Journal of Geophysical Research</i> , 2003 , 108,	34
53	Impact of clouds and aerosols on photolysis frequencies and photochemistry during TRACE-P: 1. Analysis using radiative transfer and photochemical box models. <i>Journal of Geophysical Research</i> , 2003 , 108,	48
52	Regional Air Quality Modeling System (RAQMS) predictions of the tropospheric ozone budget over east Asia. <i>Journal of Geophysical Research</i> , 2003 , 108,	62
51	Clouds and trace gas distributions during TRACE-P. <i>Journal of Geophysical Research</i> , 2003 , 108,	24
50	An assessment of western North Pacific ozone photochemistry based on springtime observations from NASA's PEM-West B (1994) and TRACE-P (2001) field studies. <i>Journal of Geophysical Research</i> , 2003 , 108,	34
49	Transport and Chemical Evolution over the Pacific (TRACE-P) aircraft mission: Design, execution, and first results. <i>Journal of Geophysical Research</i> , 2003 , 108,	461
48	Airborne measurements of cirrus-activated C ₂ Cl ₄ depletion in the upper troposphere with evidence against Cl reactions. <i>Geophysical Research Letters</i> , 2003 , 30,	4-9 3
47	Oxygenated volatile organic chemicals in the oceans: Inferences and implications based on atmospheric observations and air-sea exchange models. <i>Geophysical Research Letters</i> , 2003 , 30,	4-9 77
46	Highlights of OH, H ₂ SO ₄ , and methane sulfonic acid measurements made aboard the NASA P-3B during Transport and Chemical Evolution over the Pacific. <i>Journal of Geophysical Research</i> , 2003 , 108,	34

45	Airborne tunable diode laser measurements of formaldehyde during TRACE-P: Distributions and box model comparisons. <i>Journal of Geophysical Research</i> , 2003 , 108,		61
44	Asian outflow and trans-Pacific transport of carbon monoxide and ozone pollution: An integrated satellite, aircraft, and model perspective. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a		168
43	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> , 2003 , 108,		39
42	Measurement of NO ₂ by the photolysis conversion technique during the Transport and Chemical Evolution Over the Pacific (TRACE-P) campaign. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a		13
41	An Assessment of HO _x Chemistry in the Tropical Pacific Boundary Layer: Comparison of Model Simulations with Observations Recorded during PEM Tropics A. <i>Journal of Atmospheric Chemistry</i> , 2001 , 38, 317-344	3.2	22
40	Impact of ship emissions on marine boundary layer NO _x and SO ₂ Distributions over the Pacific Basin. <i>Geophysical Research Letters</i> , 2001 , 28, 235-238	4.9	59
39	Trace gas transport and scavenging in PEM-Tropics B South Pacific Convergence Zone convection. <i>Journal of Geophysical Research</i> , 2001 , 106, 32591-32607		38
38	OH and HO ₂ in the tropical Pacific: Results from PEM-Tropics B. <i>Journal of Geophysical Research</i> , 2001 , 106, 32667-32681		65
37	Formaldehyde over the central Pacific during PEM-Tropics B. <i>Journal of Geophysical Research</i> , 2001 , 106, 32717-32731		25
36	Seasonal differences in the photochemistry of the South Pacific: A comparison of observations and model results from PEM-Tropics A and B. <i>Journal of Geophysical Research</i> , 2001 , 106, 32749-32766		59
35	Chemical characteristics of air from different source regions during the second Pacific Exploratory Mission in the Tropics (PEM-Tropics B). <i>Journal of Geophysical Research</i> , 2001 , 106, 32609-32625		18
34	Comparison of airborne NO ₂ photolysis frequency measurements during PEM-Tropics B. <i>Journal of Geophysical Research</i> , 2001 , 106, 32645-32656		13
33	Marine latitude/altitude OH distributions: Comparison of Pacific Ocean observations with models. <i>Journal of Geophysical Research</i> , 2001 , 106, 32691-32707		24
32	Evidence for photochemical production of ozone at the South Pole surface. <i>Geophysical Research Letters</i> , 2001 , 28, 3641-3644	4.9	93
31	An investigation of South Pole HO _x chemistry: Comparison of model results with ISCAT observations. <i>Geophysical Research Letters</i> , 2001 , 28, 3633-3636	4.9	54
30	Evolution and chemical consequences of lightning-produced NO _x observed in the North Atlantic upper troposphere. <i>Journal of Geophysical Research</i> , 2000 , 105, 19795-19809		24
29	An assessment of cloud effects on photolysis rate coefficients: Comparison of experimental and theoretical values. <i>Journal of Geophysical Research</i> , 1999 , 104, 5725-5734		29
28	Frequency and distribution of forest, savanna, and crop fires over tropical regions during PEM-Tropics A. <i>Journal of Geophysical Research</i> , 1999 , 104, 5865-5876		28

27	Photofragmentation two-photon laser-induced fluorescence detection of NO ₂ and NO: Comparison of measurements with model results based on airborne observations during PEM-Tropics A. <i>Geophysical Research Letters</i> , 1999 , 26, 471-474	4.9	52
26	An assessment of aircraft as a source of particles to the upper troposphere. <i>Geophysical Research Letters</i> , 1999 , 26, 3069-3072	4.9	24
25	OH and HO ₂ chemistry in the North Atlantic free troposphere. <i>Geophysical Research Letters</i> , 1999 , 26, 3077-3080	4.9	63
24	Assessment of upper tropospheric HO _x sources over the tropical Pacific based on NASA GTE/PEM data: Net effect on HO _x and other photochemical parameters. <i>Journal of Geophysical Research</i> , 1999 , 104, 16255-16273		110
23	OH photochemistry and methane sulfonic acid formation in the coastal Antarctic boundary layer. <i>Journal of Geophysical Research</i> , 1998 , 103, 1647-1656		115
22	Implications of large scale shifts in tropospheric NO _x levels in the remote tropical Pacific. <i>Journal of Geophysical Research</i> , 1997 , 102, 28447-28468		52
21	An assessment of ozone photochemistry in the extratropical western North Pacific: Impact of continental outflow during the late winter/early spring. <i>Journal of Geophysical Research</i> , 1997 , 102, 28469-28487		79
20	Low ozone in the marine boundary layer of the tropical Pacific Ocean: Photochemical loss, chlorine atoms, and entrainment. <i>Journal of Geophysical Research</i> , 1996 , 101, 1907-1917		141
19	Reactive nitrogen and ozone over the western Pacific: Distribution, partitioning, and sources. <i>Journal of Geophysical Research</i> , 1996 , 101, 1793-1808		151
18	Hydrogen peroxide and methylhydroperoxide distributions related to ozone and odd hydrogen over the North Pacific in the fall of 1991. <i>Journal of Geophysical Research</i> , 1996 , 101, 1891-1905		60
17	Atmospheric sampling of Supertyphoon Mireille with NASA DC-8 aircraft on September 27, 1991, during PEM-West A. <i>Journal of Geophysical Research</i> , 1996 , 101, 1853-1871		47
16	Photostationary state analysis of the NO ₂ -NO system based on airborne observations from the western and central North Pacific. <i>Journal of Geophysical Research</i> , 1996 , 101, 2053-2072		79
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