

# B Lefer

## List of Publications by Year in descending order

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173  
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28128

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57558

83  
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221  
all docs

221  
docs citations

221  
times ranked

8182  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling the Impacts of Volatile Chemical Product Emissions on Atmospheric Photochemistry and Ozone Formation in Los Angeles. <i>Journal of Geophysical Research D: Atmospheres</i> , 2024, 129, .	3.3	0
2	Fire Influence on Regional to Global Environments and Air Quality (FIREXâ€AQ). <i>Journal of Geophysical Research D: Atmospheres</i> , 2023, 128, .	3.3	32
3	Apportioned primary and secondary organic aerosol during pollution events of DISCOVER-AQ Houston. <i>Atmospheric Environment</i> , 2021, 244, 117954.	4.2	7
4	Measurements of Total OH Reactivity During CalNexâ€LA. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD032988.	3.3	8
5	Identifying the Transcriptional Response of Cancer and Inflammation-Related Genes in Lung Cells in Relation to Ambient Air Chemical Mixtures in Houston, Texas. <i>Environmental Science &amp; Technology</i> , 2020, 54, 13807-13816.	10.5	10
6	Space-Borne Monitoring of NO <sub>x</sub> Emissions from Cement Kilns in South Korea. <i>Atmosphere</i> , 2020, 11, 881.	2.3	13
7	Seasonal differences in formation processes of oxidized organic aerosol near Houston, TX. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 9641-9661.	5.0	26
8	Bay Breeze and Sea Breeze Circulation Impacts on the Planetary Boundary Layer and Air Quality From an Observed and Modeled DISCOVERâ€AQ Texas Case Study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 7359-7378.	3.3	41
9	Simulating the Weekly Cycle of NO <sub>x</sub> â€VOCâ€HO <sub>3</sub> Photochemical System in the South Coast of California During CalNexâ€2010 Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 3532-3555.	3.3	10
10	Impact of Biomass Burning Plumes on Photolysis Rates and Ozone Formation at the Mount Bachelor Observatory. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 2272-2284.	3.3	37
11	Chemistry of Volatile Organic Compounds in the Los Angeles Basin: Formation of Oxygenated Compounds and Determination of Emission Ratios. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 2298-2319.	3.3	48
12	Source apportionment of particulate matter and trace gases near a major refinery near the Houston Ship Channel. <i>Atmospheric Environment</i> , 2018, 173, 16-29.	4.2	33
13	Ozone production by corona discharges during a convective event in DISCOVER-AQ Houston. <i>Atmospheric Environment</i> , 2017, 161, 13-17.	4.2	9
14	Overview of surface measurements and spatial characterization of submicrometer particulate matter during the DISCOVER-AQ 2013 campaign in Houston, TX. <i>Journal of the Air and Waste Management Association</i> , 2017, 67, 854-872.	2.1	16
15	Climate change accelerates growth of urban trees in metropolises worldwide. <i>Scientific Reports</i> , 2017, 7, 15403.	3.4	139
16	Chemistry of Volatile Organic Compounds in the Los Angeles basin: Nighttime Removal of Alkenes and Determination of Emission Ratios. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 11,843.	3.3	41
17	Differences in BVOC oxidation and SOA formation above and below the forest canopy. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1805-1828.	5.0	14
18	Comparison of aerosol lidar retrieval methods for boundary layer height detection using ceilometer aerosol backscatter data. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 1609-1622.	3.1	67

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19	OMI NO <sub>2</sub> column densities over North American urban cities: the effect of satellite footprint resolution. <i>Geoscientific Model Development</i> , 2016, 9, 1111-1123.	3.7	40
20	Analysis of correlation between pediatric asthma exacerbation and exposure to pollutant mixtures with association rule mining. <i>Artificial Intelligence in Medicine</i> , 2016, 74, 44-52.	6.7	33
21	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.	3.3	19
22	Measurements of hydroxyl and hydroperoxy radicals during CalNex-LA: Model comparisons and radical budgets. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4211-4232.	3.3	91
23	The impact of observation nudging on simulated meteorology and ozone concentrations during DISCOVER-AQ 2013 Texas campaign. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3127-3144.	5.0	38
24	Evaluation of nitrous acid sources and sinks in urban outflow. <i>Atmospheric Environment</i> , 2016, 127, 272-282.	4.2	24
25	Atmospheric Mercury in the Barnett Shale Area, Texas: Implications for Emissions from Oil and Gas Processing. <i>Environmental Science &amp; Technology</i> , 2015, 49, 10692-10700.	10.5	9
26	From the Field to the Laboratory: Air Pollutant-Induced Genomic Effects in Lung Cells. <i>Environmental Health Insights</i> , 2015, 9s4, EHI.S15656.	1.7	6
27	Investigation of secondary formation of formic acid: urban environment vs. oil and gas producing region. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 1975-1993.	5.0	59
28	Impact of updated traffic emissions on HONO mixing ratios simulated for urban site in Houston, Texas. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 1253-1263.	5.0	43
29	Direct ozone production rate measurements and their use in assessing ozone source and receptor regions for Houston in 2013. <i>Atmospheric Environment</i> , 2015, 114, 83-91.	4.2	29
30	Implementation and refinement of a surface model for heterogeneous HONO formation in a 3-D chemical transport model. <i>Atmospheric Environment</i> , 2015, 112, 356-368.	4.2	12
31	Assessment of the sensitivity of core / shell parameters derived using the single-particle soot photometer to density and refractive index. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 1701-1718.	3.1	101
32	Potential Role of Stabilized Criegee Radicals in Sulfuric Acid Production in a High Biogenic VOC Environment. <i>Environmental Science &amp; Technology</i> , 2015, 49, 3383-3391.	10.5	23
33	Impacts of heterogeneous HONO formation on radical sources and ozone chemistry in Houston, Texas. <i>Atmospheric Environment</i> , 2015, 112, 344-355.	4.2	13
34	Sources of air pollution in a region of oil and gas exploration downwind of a large city. <i>Atmospheric Environment</i> , 2015, 120, 89-99.	4.2	24
35	An Atmospheric Constraint on the NO <sub>2</sub> Dependence of Daytime Near-Surface Nitrous Acid (HONO). <i>Environmental Science &amp; Technology</i> , 2015, 49, 12774-12781.	10.5	28
36	Seasonal and Diurnal Variations of Total Gaseous Mercury in Urban Houston, TX, USA. <i>Atmosphere</i> , 2014, 5, 399-419.	2.3	16

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37	New insights into atmospheric sources and sinks of isocyanic acid, HNCO, from recent urban and regional observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 1060-1072.	3.3	35
38	Nocturnal loss of NO <sub>x</sub> during the 2010 CalNex- $\text{\AA}$ LA study in the Los Angeles Basin. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 13,004.	3.3	27
39	Comparing MODIS daily snow albedo to spectral albedo field measurements in Central Greenland. <i>Remote Sensing of Environment</i> , 2014, 140, 118-129.	11.1	51
40	High winter ozone pollution from carbonyl photolysis in an oil and gas basin. <i>Nature</i> , 2014, 514, 351-354.	36.2	288
41	Intercomparison of field measurements of nitrous acid (HONO) during the SHARP campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 5583-5601.	3.3	39
42	Relationship between boundary layer heights and growth rates with ground-level ozone in Houston, Texas. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 6230-6245.	3.3	53
43	Quantitative measurements and modeling of industrial formaldehyde emissions in the Greater Houston area during campaigns in 2009 and 2011. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 4303-4322.	3.3	14
44	Measurements of total hydroxyl radical reactivity during CABINEX 2009 - Part 1: field measurements. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 2923-2937.	5.0	56
45	Chlorine as a primary radical: evaluation of methods to understand its role in initiation of oxidative cycles. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3427-3440.	5.0	95
46	Comparison of mixed layer heights from airborne high spectral resolution lidar, ground-based measurements, and the WRF-Chem model during CalNex and CARES. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 5547-5560.	5.0	72
47	An MCM modeling study of nitryl chloride (ClNO <sub>2</sub> ) impacts on oxidation, ozone production and nitrogen oxide partitioning in polluted continental outflow. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3789-3800.	5.0	89
48	Overview of the SHARP campaign: Motivation, design, and major outcomes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 2597-2610.	3.3	25
49	Emission measurements of alkenes, alkanes, SO <sub>2</sub> , and NO <sub>2</sub> from stationary sources in Southeast Texas over a 5-year period using SOF and mobile DOAS. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 1973-1991.	3.3	33
50	Role of atmospheric ammonia in particulate matter formation in Houston during summertime. <i>Atmospheric Environment</i> , 2013, 77, 893-900.	4.2	69
51	Understanding the role of the ground surface in HONO vertical structure: High resolution vertical profiles during NACHTT-1. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 10,155.	3.3	116
52	WRF-Chem simulation of NO <sub>x</sub> and O <sub>3</sub> in the L.A. basin during CalNex-2010. <i>Atmospheric Environment</i> , 2013, 81, 421-432.	4.2	35
53	Effect of aerosols and NO <sub>2</sub> concentration on ultraviolet actinic flux near Mexico City during MILAGRO: measurements and model calculations. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1011-1022.	5.0	20
54	Diurnal tracking of anthropogenic CO <sub>2</sub> emissions in the Los Angeles basin megacity during spring 2010. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 4359-4372.	5.0	100

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55	Modeling of daytime HONO vertical gradients during SHARP 2009. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 3587-3601.	5.0	68
56	OH and HO <sub>2</sub> radical chemistry during PROPHET 2008 and CABINEX 2009 – Part 1: Measurements and model comparison. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 5403-5423.	5.0	64
57	Observations of gas- and aerosol-phase organic nitrates at BEACHON-RoMBAS 2011. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 8585-8605.	5.0	155
58	Atmospheric oxidation chemistry and ozone production: Results from SHARP 2009 in Houston, Texas. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 5770-5780.	3.3	104
59	Organic aerosol composition and sources in Pasadena, California, during the 2010 CalNex campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 9233-9257.	3.3	243
60	Heterogeneous formation of nitryl chloride and its role as a nocturnal NO <sub>x</sub> reservoir species during CalNex-LA 2010. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 10,638.	3.3	68
61	Urban measurements of atmospheric nitrous acid: A caveat on the interpretation of the HONO photostationary state. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 12,274.	3.3	36
62	Inorganic and black carbon aerosols in the Los Angeles Basin during CalNex. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 1777-1803.	3.3	15
63	Seasonal Variability in the Diurnal Evolution of the Boundary Layer in a Near-Coastal Urban Environment. <i>Journal of Atmospheric and Oceanic Technology</i> , 2012, 29, 697-710.	1.1	71
64	Direct measurement of ozone production rates in Houston in 2009 and comparison with two estimation methods. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1203-1212.	5.0	39
65	Daytime HONO vertical gradients during SHARP 2009 in Houston, TX. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 635-652.	5.0	125
66	Modeling chemistry in and above snow at Summit, Greenland – Part 2: Impact of snowpack chemistry on the oxidation capacity of the boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 6537-6554.	5.0	66
67	In-canopy gas-phase chemistry during CABINEX 2009: sensitivity of a 1-D canopy model to vertical mixing and isoprene chemistry. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 8829-8849.	5.0	78
68	Overview of the 2007 and 2008 campaigns conducted as part of the Greenland Summit Halogen-HO <sub>x</sub> Experiment (GSHOX). <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 10833-10839.	5.0	6
69	On the gas-particle partitioning of soluble organic aerosol in two urban atmospheres with contrasting emissions: 1. Bulk water-soluble organic carbon. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	55
70	Vertically Resolved Measurements of Nighttime Radical Reservoirs in Los Angeles and Their Contribution to the Urban Radical Budget. <i>Environmental Science &amp; Technology</i> , 2012, 46, 10965-10973.	10.5	129
71	Airborne and ground-based observations of a weekend effect in ozone, precursors, and oxidation products in the California South Coast Air Basin. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	100
72	Observations of ozone transport from the free troposphere to the Los Angeles basin. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	38

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73	Characterization of urban aerosol using aerosol mass spectrometry and proton nuclear magnetic resonance spectroscopy. <i>Atmospheric Environment</i> , 2012, 54, 511-518.	4.2	41
74	Evidence of rapid production of organic acids in an urban air mass. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	91
75	Temperature and sunlight controls of mercury oxidation and deposition atop the Greenland ice sheet. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8295-8306.	5.0	35
76	Longpath DOAS observations of surface BrO at Summit, Greenland. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 9899-9910.	5.0	42
77	Vertical profiles of nitrous acid in the nocturnal urban atmosphere of Houston, TX. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 3595-3609.	5.0	107
78	Modeling chemistry in and above snow at Summit, Greenland – Part 1: Model description and results. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 4899-4914.	5.0	116
79	Observations of hydroxyl and peroxy radicals and the impact of BrO at Summit, Greenland in 2007 and 2008. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8577-8591.	5.0	41
80	Atmospheric ammonia measurements in Houston, TX using an external-cavity quantum cascade laser-based sensor. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 9721-9733.	5.0	69
81	The glyoxal budget and its contribution to organic aerosol for Los Angeles, California, during CalNex 2010. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	100
82	Comparison of in situ and columnar aerosol spectral measurements during TexAQs-GoMACCS 2006: testing parameterizations for estimating aerosol fine mode properties. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 51-61.	5.0	19
83	Heterogeneous conversion of nitric acid to nitrous acid on the surface of primary organic aerosol in an urban atmosphere. <i>Atmospheric Environment</i> , 2010, 44, 4081-4089.	4.2	65
84	Extensive aerosol optical properties and aerosol mass related measurements during TRAMP/TexAQs 2006 – Implications for PM compliance and planning. <i>Atmospheric Environment</i> , 2010, 44, 4035-4044.	4.2	20
85	Atmospheric oxidation capacity in the summer of Houston 2006: Comparison with summer measurements in other metropolitan studies. <i>Atmospheric Environment</i> , 2010, 44, 4107-4115.	4.2	222
86	Simultaneous DOAS and mist-chamber IC measurements of HONO in Houston, TX. <i>Atmospheric Environment</i> , 2010, 44, 4090-4098.	4.2	77
87	Mercury species measured atop the Moody Tower TRAMP site, Houston, Texas. <i>Atmospheric Environment</i> , 2010, 44, 4045-4055.	4.2	39
88	Nocturnal NO <sub>3</sub> radical chemistry in Houston, TX. <i>Atmospheric Environment</i> , 2010, 44, 4099-4106.	4.2	82
89	A comparison of chemical mechanisms based on TRAMP-2006 field data. <i>Atmospheric Environment</i> , 2010, 44, 4116-4125.	4.2	68
90	An evaluation of the interaction of morning residual layer and afternoon mixed layer ozone in Houston using ozonesonde data. <i>Atmospheric Environment</i> , 2010, 44, 4024-4034.	4.2	55

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91	Measurements of primary trace gases and NO <sub>y</sub> composition in Houston, Texas. Atmospheric Environment, 2010, 44, 4068-4080.	4.2	46
92	Impact of clouds and aerosols on ozone production in Southeast Texas. Atmospheric Environment, 2010, 44, 4126-4133.	4.2	50
93	Photochemical and meteorological relationships during the Texas-II Radical and Aerosol Measurement Project (TRAMP). Atmospheric Environment, 2010, 44, 4005-4013.	4.2	50
94	The TexAQs-II radical and aerosol measurement project (TRAMP). Atmospheric Environment, 2010, 44, 3997-4004.	4.2	29
95	A Balloon Sounding Technique for Measuring SO <sub>2</sub> Plumes. Journal of Atmospheric and Oceanic Technology, 2010, 27, 1318-1330.	1.1	14
96	An observational and modeling strategy to investigate the impact of remote sources on local air quality: A Houston, Texas, case study from the Second Texas Air Quality Study (TexAQs II). Journal of Geophysical Research, 2010, 115, .	3.3	33
97	Atmospheric chemistry results from the ANTCI 2005 Antarctic plateau airborne study. Journal of Geophysical Research, 2010, 115, .	3.3	35
98	Quantification of NO <sub>2</sub> and SO <sub>2</sub> emissions from the Houston Ship Channel and Texas City industrial areas during the 2006 Texas Air Quality Study. Journal of Geophysical Research, 2010, 115, .	3.3	36
99	Measurements of industrial emissions of alkenes in Texas using the solar occultation flux method. Journal of Geophysical Research, 2010, 115, .	3.3	42
100	Release and uptake of volatile inorganic and organic gases through the snowpack at Niwot Ridge, Colorado. Biogeochemistry, 2009, 95, 167-183.	3.7	22
101	Deciphering the Role of Radical Precursors during the Second Texas Air Quality Study. Journal of the Air and Waste Management Association, 2009, 59, 1258-1277.	2.1	65
102	Airborne Measurements of Ethene from Industrial Sources Using Laser Photo-Acoustic Spectroscopy. Environmental Science & Technology, 2009, 43, 2437-2442.	10.5	57
103	Retrieval of aerosol single scattering albedo at ultraviolet wavelengths at the T1 site during MILAGRO. Atmospheric Chemistry and Physics, 2009, 9, 5813-5827.	5.0	68
104	On the volatility and production mechanisms of newly formed nitrate and water soluble organic aerosol in Mexico City. Atmospheric Chemistry and Physics, 2008, 8, 3761-3768.	5.0	88
105	An overview of snow photochemistry: evidence, mechanisms and impacts. Atmospheric Chemistry and Physics, 2007, 7, 4329-4373.	5.0	559
106	Measurement of HO <sub>2</sub> NO <sub>2</sub> in the free troposphere during the Intercontinental Chemical Transport Experiment—North America 2004. Journal of Geophysical Research, 2007, 112, .	3.3	72
107	Evidence for a recurring eastern North America upper tropospheric ozone maximum during summer. Journal of Geophysical Research, 2007, 112, .	3.3	82
108	Light penetration in the snowpack at Summit, Greenland: Part 2 Nitrate photolysis. Atmospheric Environment, 2007, 41, 5091-5100.	4.2	44

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109	Light penetration in the snowpack at Summit, Greenland: Part 1. Atmospheric Environment, 2007, 41, 5077-5090.	4.2	39
110	Observations of hydroxyl and the sum of peroxy radicals at Summit, Greenland during summer 2003. Atmospheric Environment, 2007, 41, 5122-5137.	4.2	106
111	Hydroxyl concentration estimates in the sunlit snowpack at Summit, Greenland. Atmospheric Environment, 2007, 41, 5101-5109.	4.2	22
112	Are methyl halides produced on all ice surfaces? Observations from snow-laden field sites. Atmospheric Environment, 2007, 41, 5162-5177.	4.2	17
113	An overview of air-snow exchange at Summit, Greenland: Recent experiments and findings. Atmospheric Environment, 2007, 41, 4995-5006.	4.2	23
114	An assessment of the polar HOx photochemical budget based on 2003 Summit Greenland field observations. Atmospheric Environment, 2007, 41, 7806-7820.	4.2	37
115	Ultraviolet aerosol optical properties retrieved during the 2006 MIRAGE-Mex experiment: initial results. , 2006, 6362, 25.		0
116	Parameterization of Ozone Photolysis Frequency in the Lower Troposphere Using Data from Photodiode Array Detector Spectrometers. Journal of Atmospheric Chemistry, 2006, 54, 67-87.	3.2	9
117	Column ozone and aerosol optical properties retrieved from direct solar irradiance measurements during SOLVE II. Atmospheric Chemistry and Physics, 2005, 5, 611-622.	5.0	6
118	Trace gas emissions through a winter snowpack in the subalpine ecosystem at Niwot Ridge, Colorado. Geophysical Research Letters, 2005, 32, .	4.0	22
119	Improved albedo formulation for chemistry transport models based on satellite observations and assimilated snow data and its impact on tropospheric photochemistry. Journal of Geophysical Research, 2005, 110, .	3.3	16
120	A reassessment of HOx South Pole chemistry based on observations recorded during ISCAT 2000. Atmospheric Environment, 2004, 38, 5451-5461.	4.2	91
121	South Pole $\text{ClONO}_2$ and $\text{HO}_2$ concentrations during ISCAT 2000. Atmospheric Environment, 2004, 38, 5463-5473.	4.2	128
122	An overview of ISCAT 2000. Atmospheric Environment, 2004, 38, 5363-5373.	4.2	54
123	Measurements of OH, HO <sub>2</sub> +RO <sub>2</sub> , H <sub>2</sub> SO <sub>4</sub> , and MSA at the South Pole during ISCAT 2000. Atmospheric Environment, 2004, 38, 5423-5437.	4.2	92
124	Photochemistry in the Arctic Free Troposphere: Ozone Budget and Its Dependence on Nitrogen Oxides and the Production Rate of Free Radicals. Journal of Atmospheric Chemistry, 2004, 47, 107-138.	3.2	14
125	Testing fast photochemical theory during TRACE-P based on measurements of OH, HO <sub>2</sub> , and CH <sub>2</sub> O. Journal of Geophysical Research, 2004, 109, .	3.3	72
126	Photolysis frequency of O <sub>3</sub> to O(1D): Measurements and modeling during the International Photolysis Frequency Measurement and Modeling Intercomparison (IPMMI). Journal of Geophysical Research, 2004, 109, .	3.3	35



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127	Measurements of the sum of HO <sub>2</sub> and CH <sub>3</sub> O <sub>2</sub> NO <sub>2</sub> and in the remote troposphere. Atmospheric Chemistry and Physics, 2004, 4, 377-384.	5.0	49
128	Photochemistry in the arctic free troposphere: NO <sub>x</sub> budget and the role of odd nitrogen reservoir recycling. Atmospheric Environment, 2003, 37, 3351-3364.	4.2	58
129	Comparison of airborne measured and calculated spectral actinic flux and derived photolysis frequencies during the PEM Tropics B mission. Journal of Geophysical Research, 2003, 108, PEM 6-1.	3.3	45
130	Stratospheric influence on the northern North American free troposphere during TOPSE: <sup>7</sup> Be as a stratospheric tracer. Journal of Geophysical Research, 2003, 108, .	3.3	61
131	Seasonal distributions of fine aerosol sulfate in the North American Arctic basin during TOPSE. Journal of Geophysical Research, 2003, 108, .	3.3	89
132	Ozone, aerosol, potential vorticity, and trace gas trends observed at high-latitudes over North America from February to May 2000. Journal of Geophysical Research, 2003, 108, .	3.3	63
133	Ozone depletion events observed in the high latitude surface layer during the TOPSE aircraft program. Journal of Geophysical Research, 2003, 108, TOP 4-1.	3.3	76
134	Steady state free radical budgets and ozone photochemistry during TOPSE. Journal of Geophysical Research, 2003, 108, .	3.3	60
135	Tunable diode laser measurements of formaldehyde during the TOPSE 2000 study: Distributions, trends, and model comparisons. Journal of Geophysical Research, 2003, 108, .	3.3	63
136	Springtime photochemistry at northern mid and high latitudes. Journal of Geophysical Research, 2003, 108, .	3.3	51
137	Cloud impacts on UV spectral actinic flux observed during the International Photolysis Frequency Measurement and Model Intercomparison (IPMMI). Journal of Geophysical Research, 2003, 108, .	3.3	54
138	International Photolysis Frequency Measurement and Model Intercomparison (IPMMI): Spectral actinic solar flux measurements and modeling. Journal of Geophysical Research, 2003, 108, .	3.3	47
139	Photolysis frequency of NO <sub>2</sub> : Measurement and modeling during the International Photolysis Frequency Measurement and Modeling Intercomparison (IPMMI). Journal of Geophysical Research, 2003, 108, .	3.3	53
140	Overview and conclusions of the International Photolysis Frequency Measurement and Modeling Intercomparison (IPMMI) study. Journal of Geophysical Research, 2003, 108, .	3.3	23
141	Impacts of aerosols and clouds on photolysis frequencies and photochemistry during TRACE-P: 2. Three-dimensional study using a regional chemical transport model. Journal of Geophysical Research, 2003, 108, .	3.3	85
142	Regional-scale chemical transport modeling in support of the analysis of observations obtained during the TRACE-P experiment. Journal of Geophysical Research, 2003, 108, .	3.3	183
143	Summary of measurement intercomparisons during TRACE-P. Journal of Geophysical Research, 2003, 108, .	3.3	56
144	Impact of clouds and aerosols on photolysis frequencies and photochemistry during TRACE-P: 1. Analysis using radiative transfer and photochemical box models. Journal of Geophysical Research, 2003, 108, .	3.3	59

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145	Clouds and trace gas distributions during TRACE-P. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	28
146	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, .	3.3	35
147	Airborne tunable diode laser measurements of formaldehyde during TRACE-P: Distributions and box model comparisons. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	68
148	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, .	3.3	48
149	Measurement of NO <sub>2</sub> 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.	3.3	13
150	Measurements of pernitric acid at the South Pole during ISCAT 2000. <i>Geophysical Research Letters</i> , 2002, 29, 7-1.	4.0	55
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