

B Lefer

List of Publications by Year in descending order

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171
papers

10,335
citations

26251

55
h-index

53405

83
g-index

221
all docs

221
docs citations

221
times ranked

7092
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 & Technology</i> , 2020, 54, 13807-13816.	10.3	10
6	Space-Borne Monitoring of NO _x 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.	4.9	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 _x â€VOCâ€HO ₃ 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.	2.0	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.	4.9	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 ₂ 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.	6.6	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.	4.9	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 & Technology</i> , 2015, 49, 10692-10700.	10.3	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.	4.9	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.	4.9	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 & Technology</i> , 2015, 49, 3383-3391.	10.3	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 ₂ Dependence of Daytime Near-Surface Nitrous Acid (HONO). <i>Environmental Science & Technology</i> , 2015, 49, 12774-12781.	10.3	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 _x during the 2010 CalNex- \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.	11.0	51
40	High winter ozone pollution from carbonyl photolysis in an oil and gas basin. <i>Nature</i> , 2014, 514, 351-354.	35.8	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.	4.9	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.	4.9	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.	4.9	72
47	An MCM modeling study of nitryl chloride (ClNO ₂) impacts on oxidation, ozone production and nitrogen oxide partitioning in polluted continental outflow. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3789-3800.	4.9	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 ₂ , and NO ₂ 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 _x and O ₃ 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 ₂ concentration on ultraviolet actinic flux near Mexico City during MILAGRO: measurements and model calculations. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 1011-1022.	4.9	20
54	Diurnal tracking of anthropogenic CO ₂ emissions in the Los Angeles basin megacity during spring 2010. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 4359-4372.	4.9	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.	4.9	68
56	OH and HO ₂ radical chemistry during PROPHET 2008 and CABINEX 2009 – Part 1: Measurements and model comparison. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 5403-5423.	4.9	64
57	Observations of gas- and aerosol-phase organic nitrates at BEACHON-RoMBAS 2011. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 8585-8605.	4.9	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 _x 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	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.	4.9	39
64	Daytime HONO vertical gradients during SHARP 2009 in Houston, TX. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 635-652.	4.9	125
65	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.	4.9	66
66	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.	4.9	78
67	Overview of the 2007 and 2008 campaigns conducted as part of the Greenland Summit Halogen-HO _x Experiment (GSHOX). <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 10833-10839.	4.9	6
68	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, .	3.2	55
69	Vertically Resolved Measurements of Nighttime Radical Reservoirs in Los Angeles and Their Contribution to the Urban Radical Budget. <i>Environmental Science & Technology</i> , 2012, 46, 10965-10973.	10.3	129
70	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, .	3.2	100
71	Observations of ozone transport from the free troposphere to the Los Angeles basin. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.2	38
72	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

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73	Evidence of rapid production of organic acids in an urban air mass. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	3.9	91
74	Temperature and sunlight controls of mercury oxidation and deposition atop the Greenland ice sheet. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 8295-8306.	4.9	35
75	Longpath DOAS observations of surface BrO at Summit, Greenland. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 9899-9910.	4.9	42
76	Vertical profiles of nitrous acid in the nocturnal urban atmosphere of Houston, TX. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 3595-3609.	4.9	107
77	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.	4.9	116
78	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.	4.9	41
79	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.	4.9	69
80	The glyoxal budget and its contribution to organic aerosol for Los Angeles, California, during CalNex 2010. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.2	100
81	Comparison of in situ and columnar aerosol spectral measurements during TexAQs-CoMACCS 2006: testing parameterizations for estimating aerosol fine mode properties. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 51-61.	4.9	19
82	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
83	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
84	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
85	Simultaneous DOAS and mist-chamber IC measurements of HONO in Houston, TX. <i>Atmospheric Environment</i> , 2010, 44, 4090-4098.	4.2	77
86	Mercury species measured atop the Moody Tower TRAMP site, Houston, Texas. <i>Atmospheric Environment</i> , 2010, 44, 4045-4055.	4.2	39
87	Nocturnal NO ₃ radical chemistry in Houston, TX. <i>Atmospheric Environment</i> , 2010, 44, 4099-4106.	4.2	82
88	A comparison of chemical mechanisms based on TRAMP-2006 field data. <i>Atmospheric Environment</i> , 2010, 44, 4116-4125.	4.2	68
89	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
90	Measurements of primary trace gases and NO _y composition in Houston, Texas. <i>Atmospheric Environment</i> , 2010, 44, 4068-4080.	4.2	46

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91	Impact of clouds and aerosols on ozone production in Southeast Texas. <i>Atmospheric Environment</i> , 2010, 44, 4126-4133.	4.2	50
92	Photochemical and meteorological relationships during the Texas-II Radical and Aerosol Measurement Project (TRAMP). <i>Atmospheric Environment</i> , 2010, 44, 4005-4013.	4.2	50
93	The TexAQS-II radical and aerosol measurement project (TRAMP). <i>Atmospheric Environment</i> , 2010, 44, 3997-4004.	4.2	29
94	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). <i>Journal of Geophysical Research</i> , 2010, 115, .	3.2	33
95	Atmospheric chemistry results from the ANTCI 2005 Antarctic plateau airborne study. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.2	35
96	Quantification of NO ₂ and SO ₂ emissions from the Houston Ship Channel and Texas City industrial areas during the 2006 Texas Air Quality Study. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.2	36
97	Measurements of industrial emissions of alkenes in Texas using the solar occultation flux method. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.2	42
98	Release and uptake of volatile inorganic and organic gases through the snowpack at Niwot Ridge, Colorado. <i>Biogeochemistry</i> , 2009, 95, 167-183.	3.6	22
99	Deciphering the Role of Radical Precursors during the Second Texas Air Quality Study. <i>Journal of the Air and Waste Management Association</i> , 2009, 59, 1258-1277.	2.0	65
100	Airborne Measurements of Ethene from Industrial Sources Using Laser Photo-Acoustic Spectroscopy. <i>Environmental Science & Technology</i> , 2009, 43, 2437-2442.	10.3	57
101	Retrieval of aerosol single scattering albedo at ultraviolet wavelengths at the T1 site during MILAGRO. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 5813-5827.	4.9	68
102	On the volatility and production mechanisms of newly formed nitrate and water soluble organic aerosol in Mexico City. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 3761-3768.	4.9	88
103	An overview of snow photochemistry: evidence, mechanisms and impacts. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 4329-4373.	4.9	559
104	Measurement of HO ₂ NO ₂ in the free troposphere during the Intercontinental Chemical Transport Experimentâ€œNorth America 2004. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.2	72
105	Evidence for a recurring eastern North America upper tropospheric ozone maximum during summer. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.2	82
106	Light penetration in the snowpack at Summit, Greenland: Part 2 Nitrate photolysis. <i>Atmospheric Environment</i> , 2007, 41, 5091-5100.	4.2	44
107	Light penetration in the snowpack at Summit, Greenland: Part 1. <i>Atmospheric Environment</i> , 2007, 41, 5077-5090.	4.2	39
108	Observations of hydroxyl and the sum of peroxy radicals at Summit, Greenland during summer 2003. <i>Atmospheric Environment</i> , 2007, 41, 5122-5137.	4.2	106

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109	Hydroxyl concentration estimates in the sunlit snowpack at Summit, Greenland. Atmospheric Environment, 2007, 41, 5101-5109.	4.2	22
110	Are methyl halides produced on all ice surfaces? Observations from snow-laden field sites. Atmospheric Environment, 2007, 41, 5162-5177.	4.2	17
111	An overview of air-snow exchange at Summit, Greenland: Recent experiments and findings. Atmospheric Environment, 2007, 41, 4995-5006.	4.2	23
112	An assessment of the polar HOx photochemical budget based on 2003 Summit Greenland field observations. Atmospheric Environment, 2007, 41, 7806-7820.	4.2	37
113	Ultraviolet aerosol optical properties retrieved during the 2006 MIRAGE-Mex experiment: initial results. , 2006, 6362, 25.		0
114	Parameterization of Ozone Photolysis Frequency in the Lower Troposphere Using Data from Photodiode Array Detector Spectrometers. Journal of Atmospheric Chemistry, 2006, 54, 67-87.	3.1	9
115	Column ozone and aerosol optical properties retrieved from direct solar irradiance measurements during SOLVE II. Atmospheric Chemistry and Physics, 2005, 5, 611-622.	4.9	6
116	Trace gas emissions through a winter snowpack in the subalpine ecosystem at Niwot Ridge, Colorado. Geophysical Research Letters, 2005, 32, .	3.9	22
117	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, .	3.2	16
118	A reassessment of HOx South Pole chemistry based on observations recorded during ISCAT 2000. Atmospheric Environment, 2004, 38, 5451-5461.	4.2	91
119	<small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x</small>	4.2	128
120	An overview of ISCAT 2000. Atmospheric Environment, 2004, 38, 5363-5373.	4.2	54
121	Measurements of OH, HO ₂ +RO ₂ , H ₂ SO ₄ , and MSA at the South Pole during ISCAT 2000. Atmospheric Environment, 2004, 38, 5423-5437.	4.2	92
122	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.	3.1	14
123	Testing fast photochemical theory during TRACE-P based on measurements of OH, HO ₂ , and CH ₂ O. Journal of Geophysical Research, 2004, 109, .	3.2	72
124	Photolysis frequency of O ₃ to O(1D): Measurements and modeling during the International Photolysis Frequency Measurement and Modeling Intercomparison (IPMMI). Journal of Geophysical Research, 2004, 109, .	3.2	35
125	Measurements of the sum of HO ₂ and CH ₃ O ₂ in the remote troposphere. Atmospheric Chemistry and Physics, 2004, 4, 377-384.	4.9	49
126	Photochemistry in the arctic free troposphere: NOx budget and the role of odd nitrogen reservoir recycling. Atmospheric Environment, 2003, 37, 3351-3364.	4.2	58

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127	Comparison of airborne measured and calculated spectral actinic flux and derived photolysis frequencies during the PEM Tropics B mission. <i>Journal of Geophysical Research</i> , 2003, 108, PEM 6-1.	3.2	45
128	Stratospheric influence on the northern North American free troposphere during TOPSE:7Be as a stratospheric tracer. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.2	61
129	Seasonal distributions of fine aerosol sulfate in the North American Arctic basin during TOPSE. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.2	89
130	Ozone, aerosol, potential vorticity, and trace gas trends observed at high-latitudes over North America from February to May 2000. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.2	63
131	Ozone depletion events observed in the high latitude surface layer during the TOPSE aircraft program. <i>Journal of Geophysical Research</i> , 2003, 108, TOP 4-1.	3.2	76
132	Steady state free radical budgets and ozone photochemistry during TOPSE. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.2	60
133	Tunable diode laser measurements of formaldehyde during the TOPSE 2000 study: Distributions, trends, and model comparisons. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.2	63
134	Springtime photochemistry at northern mid and high latitudes. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.2	51
135	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, .	3.2	54
136	International Photolysis Frequency Measurement and Model Intercomparison (IPMMI): Spectral actinic solar flux measurements and modeling. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.2	47
137	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, .	3.2	53
138	Overview and conclusions of the International Photolysis Frequency Measurement and Modeling Intercomparison (IPMMI) study. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.2	23
139	Impacts of aerosols and clouds on photolysis frequencies and photochemistry during TRACE-P: 2. Three-dimensional study using a regional chemical transport model. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.2	85
140	Regional-scale chemical transport modeling in support of the analysis of observations obtained during the TRACE-P experiment. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.2	183
141	Summary of measurement intercomparisons during TRACE-P. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.2	56
142	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, .	3.2	59
143	Clouds and trace gas distributions during TRACE-P. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.2	28
144	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, .	3.2	35

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145	Airborne tunable diode laser measurements of formaldehyde during TRACE-P: Distributions and box model comparisons. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.2	68
146	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, .	3.2	48
147	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.	3.2	13
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