Jeff Peischl

List of Publications by Year
in descending order

149 papers	10,045 citations	32410 55 h-index	51423 90 g-index
241 all docs	241 docs citations	241 times ranked	9059 citing authors

#	Article	IF	Citations
1	The NASA Atmospheric Tomography (ATom) Mission: Imaging the Chemistry of the Global Atmosphere. Bulletin of the American Meteorological Society, 2022, 103, E761-E790.	1.7	39
2	The <i>Fires, Asian, and Stratospheric Transport</i>â€“Las Vegas Ozone Study (<i>FAST</i>-LVOS). Atmospheric Chemistry and Physics, 2022, 22, 1707-1737.	1.9	7
3	Photochemical evolution of the 2013 California Rim Fire: synergistic impacts of reactive hydrocarbons and enhanced oxidants. Atmospheric Chemistry and Physics, 2022, 22, 4253-4275.	1.9	9
4	Airborne Emission Rate Measurements Validate Remote Sensing Observations and Emission Inventories of Western U.S. Wildfires. Environmental Science & Technology, 2022, 56, 7564-7577.	4.6	15
5	Monitoring methane emissions from oil and gas operations^{â€¡}. Optics Express, 2022, 30, 24326.	1.7	5
6	Evaluating the Impact of Chemical Complexity and Horizontal Resolution on Tropospheric Ozone Over the Conterminous US With a Global Variable Resolution Chemistry Model. Journal of Advances in Modeling Earth Systems, 2022, 14, .	1.3	20
7	Monitoring Methane Emissions from Oil and Gas Operations. , 2022, 1, .		19
8	Characteristics and evolution of brown carbon in western United States wildfires. Atmospheric Chemistry and Physics, 2022, 22, 8009-8036.	1.9	21
9	Identifying Volatile Chemical Product Tracer Compounds in U.S. Cities. Environmental Science & Technology, 2021, 55, 188-199.	4.6	60
10	The global impacts of COVID-19 lockdowns on urban air pollution. Elementa, 2021, 9, .	1.1	94
11	Observations Confirm that Volatile Chemical Products Are a Major Source of Petrochemical Emissions in U.S. Cities. Environmental Science & Technology, 2021, 55, 4332-4343.	4.6	57
12	Volatile organic compound emissions from solvent- and water-borne coatings â€“ compositional differences and tracer compound identifications. Atmospheric Chemistry and Physics, 2021, 21, 6005-6022.	1.9	24
13	Extreme oxidant amounts produced by lightning in storm clouds. Science, 2021, 372, 711-715.	6.0	22
14	Radiative and chemical implications of the size and composition of aerosol particles in the existing or modified global stratosphere. Atmospheric Chemistry and Physics, 2021, 21, 8915-8932.	1.9	29
15	Large hemispheric difference in nucleation mode aerosol concentrations in the lowermost stratosphere at mid- and high latitudes. Atmospheric Chemistry and Physics, 2021, 21, 9065-9088.	1.9	8
16	Quantifying Methane and Ozone Precursor Emissions from Oil and Gas Production Regions across the Contiguous US. Environmental Science & Technology, 2021, 55, 9129-9139.	4.6	23
17	Openâ€Path Dualâ€Comb Spectroscopy for Multispecies Trace Gas Detection in the 4.5â€“5ÂÂµm Spectral Region. Laser and Photonics Reviews, 2021, 15, 2000583.	4.4	19
18	Impact of stratospheric air and surface emissions on tropospheric nitrous oxide during ATom. Atmospheric Chemistry and Physics, 2021, 21, 11113-11132.	1.9	5

#	Article	IF	Citations
19	Variability and Time of Day Dependence of Ozone Photochemistry in Western Wildfire Plumes. Environmental Science & Technology, 2021, 55, 10280-10290.	4.6	31
20	Secondary organic aerosols from anthropogenic volatile organic compounds contribute substantially to air pollution mortality. Atmospheric Chemistry and Physics, 2021, 21, 11201-11224.	1.9	60
21	Volatile chemical product emissions enhance ozone and modulate urban chemistry. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	103
22	Chemical Tomography in a Fresh Wildland Fire Plume: A Large Eddy Simulation (LES) Study. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035203.	1.2	16
23	Heterogeneity and chemical reactivity of the remote troposphere defined by aircraft measurements. Atmospheric Chemistry and Physics, 2021, 21, 13729-13746.	1.9	4
24	Ambient aerosol properties in the remote atmosphere from global-scale in situ measurements. Atmospheric Chemistry and Physics, 2021, 21, 15023-15063.	1.9	15
25	Rapid cloud removal of dimethyl sulfide oxidation products limits SO ₂ and cloud condensation nuclei production in the marine atmosphere. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	28
26	UAS Chromatograph for Atmospheric Trace Species (UCATS) â€“ a versatile instrument for trace gas measurements on airborne platforms. Atmospheric Measurement Techniques, 2021, 14, 6795-6819.	1.2	9
27	Nighttime and daytime dark oxidation chemistry in wildfire plumes: an observation and model analysis of FIREX-AQ aircraft data. Atmospheric Chemistry and Physics, 2021, 21, 16293-16317.	1.9	34
28	Machine Learning Uncovers Aerosol Size Information From Chemistry and Meteorology to Quantify Potential Cloudâ€Forming Particles. Geophysical Research Letters, 2021, 48, .	1.5	7
29	Novel Analysis to Quantify Plume Crosswind Heterogeneity Applied to Biomass Burning Smoke. Environmental Science & Technology, 2021, 55, 15646-15657.	4.6	11
30	Ozone chemistry in western U.S. wildfire plumes. Science Advances, 2021, 7, eabl3648.	4.7	45
31	Large contribution of biomass burning emissions to ozone throughout the global remote troposphere. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	51
32	Formaldehyde evolution in US wildfire plumes during the Fire Influence on Regional to Global Environments and Air Quality experiment (FIREX-AQ). Atmospheric Chemistry and Physics, 2021, 21, 18319-18331.	1.9	24
33	Biomass burning nitrogen dioxide emissions derived from space with TROPOMI: methodology and validation. Atmospheric Measurement Techniques, 2021, 14, 7929-7957.	1.2	27
34	Exploring Oxidation in the Remote Free Troposphere: Insights From Atmospheric Tomography (ATom). Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031685.	1.2	23
35	Global Atmospheric Budget of Acetone: Airâ€Sea Exchange and the Contribution to Hydroxyl Radicals. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032553.	1.2	17
36	Vertical Transport, Entrainment, and Scavenging Processes Affecting Trace Gases in a Modeled and Observed SEAC 4 RS Case Study. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031957.	1.2	5

#	Article	IF	Citations
37	Missing OH reactivity in the global marine boundary layer. Atmospheric Chemistry and Physics, 2020, 20, 4013-4029.	1.9	25
38	Single-photon laser-induced fluorescence detection of nitric oxide at sub-parts-per-trillion mixing ratios. Atmospheric Measurement Techniques, 2020, 13, 2425-2439.	1.2	18
39	Variability of Ammonia and Methane Emissions from Animal Feeding Operations in Northeastern Colorado. Environmental Science & Technology, 2020, 54, 11015-11024.	4.6	23
40	Global airborne sampling reveals a previously unobserved dimethyl sulfide oxidation mechanism in the marine atmosphere. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4505-4510.	3.3	118
41	Investigating large methane enhancements in the U.S. San Juan Basin. Elementa, 2020, 8, .	1.1	8
42	Characterizing sources of high surface ozone events in the southwestern US with intensive field measurements and two global models. Atmospheric Chemistry and Physics, 2020, 20, 10379-10400.	1.9	15
43	Global-scale distribution of ozone in the remote troposphere from the ATom and HIPPO airborne field missions. Atmospheric Chemistry and Physics, 2020, 20, 10611-10635.	1.9	31
44	New particle formation and sub-10â€‰nm size distribution measurements during the A-LIFE field experiment in Paphos, Cyprus. Atmospheric Chemistry and Physics, 2020, 20, 5645-5656.	1.9	12
45	Constraining remote oxidation capacity with ATom observations. Atmospheric Chemistry and Physics, 2020, 20, 7753-7781.	1.9	36
46	A cavity-enhanced ultraviolet absorption instrument for high-precision, fast-time-response ozone measurements. Atmospheric Measurement Techniques, 2020, 13, 6877-6887.	1.2	6
47	Errors in top-down estimates of emissions using a known source. Atmospheric Chemistry and Physics, 2020, 20, 11855-11868.	1.9	11
48	Methane emissions from oil and gas production on the North Slope of Alaska. Atmospheric Environment, 2019, 218, 116985.	1.9	8
49	On the sources and sinks of atmospheric VOCs: an integrated analysis of recent aircraft campaigns over North America. Atmospheric Chemistry and Physics, 2019, 19, 9097-9123.	1.9	32
50	Nighttime Chemical Transformation in Biomass Burning Plumes: A Box Model Analysis Initialized with Aircraft Observations. Environmental Science & Technology, 2019, 53, 2529-2538.	4.6	68
51	Mapping hydroxyl variability throughout the global remote troposphere via synthesis of airborne and satellite formaldehyde observations. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11171-11180.	3.3	58
52	Atmospheric Acetaldehyde: Importance of Airâ€Sea Exchange and a Missing Source in the Remote Troposphere. Geophysical Research Letters, 2019, 46, 5601-5613.	1.5	41
53	Inversion Estimates of Lognormally Distributed Methane Emission Rates From the Haynesvilleâ€Bossier Oil and Gas Production Region Using Airborne Measurements. Journal of Geophysical Research D: Atmospheres, 2019, 124, 3520-3531.	1.2	18
54	Diurnal Variability and Emission Pattern of Decamethylcyclopentasiloxane (D₅) from the Application of Personal Care Products in Two North American Cities. Environmental Science & Technology, 2018, 52, 5610-5618.	4.6	72

#	Article	IF	Citations
55	An aerosol particle containing enriched uranium encountered in the remote upper troposphere. Journal of Environmental Radioactivity, 2018, 184-185, 95-100.	0.9	6
56	Decadal changes in summertime reactive oxidized nitrogen and surface ozone over the Southeast United States. Atmospheric Chemistry and Physics, 2018, 18, 2341-2361.	1.9	30
57	Atmospheric oxidation in the presence of clouds during the Deep Convective Clouds and Chemistry (DC3) study. Atmospheric Chemistry and Physics, 2018, 18, 14493-14510.	1.9	18
58	Methyl, Ethyl, and Propyl Nitrates: Global Distribution and Impacts on Reactive Nitrogen in Remote Marine Environments. Journal of Geophysical Research D: Atmospheres, 2018, 123, 12,429.	1.2	33
59	Development of a Fuel-Based Oil and Gas Inventory of Nitrogen Oxides Emissions. Environmental Science & Technology, 2018, 52, 10175-10185.	4.6	19
60	CO2 Transport, Variability, and Budget over the Southern California Air Basin Using the High-Resolution WRF-VPRM Model during the CalNex 2010 Campaign. Journal of Applied Meteorology and Climatology, 2018, 57, 1337-1352.	0.6	21
61	Observed NO/NO₂ Ratios in the Upper Troposphere Imply Errors in NOâ€NO₂â€O₃ Cycling Kinetics or an Unaccounted NO_x Reservoir. Geophysical Research Letters, 2018, 45, 4466-4474.	1.5	34
62	Quantifying Methane and Ethane Emissions to the Atmosphere From Central and Western U.S. Oil and Natural Gas Production Regions. Journal of Geophysical Research D: Atmospheres, 2018, 123, 7725-7740.	1.2	74
63	Modeling Ozone in the Eastern U.S. using a Fuel-Based Mobile Source Emissions Inventory. Environmental Science & Technology, 2018, 52, 7360-7370.	4.6	64
64	Assessment of methane emissions from the U.S. oil and gas supply chain. Science, 2018, 361, 186-188.	6.0	519
65	Methane, Black Carbon, and Ethane Emissions from Natural Gas Flares in the Bakken Shale, North Dakota. Environmental Science & Technology, 2017, 51, 5317-5325.	4.6	74
66	Airborne measurements of western U.S. wildfire emissions: Comparison with prescribed burning and air quality implications. Journal of Geophysical Research D: Atmospheres, 2017, 122, 6108-6129.	1.2	184
67	Emissions of Glyoxal and Other Carbonyl Compounds from Agricultural Biomass Burning Plumes Sampled by Aircraft. Environmental Science & Technology, 2017, 51, 11761-11770.	4.6	38
68	Lightning NO_x Emissions: Reconciling Measured and Modeled Estimates With Updated NO_x Chemistry. Geophysical Research Letters, 2017, 44, 9479-9488.	1.5	56
69	Transition from high- to low-NOx control of night-time oxidation in the southeastern US. Nature Geoscience, 2017, 10, 490-495.	5.4	56
70	Impact of evolving isoprene mechanisms on simulated formaldehyde: An inter-comparison supported by in situ observations from SENEX. Atmospheric Environment, 2017, 164, 325-336.	1.9	33
71	On-road measurements of vehicle NO 2 /NO x emission ratios in Denver, Colorado, USA. Atmospheric Environment, 2017, 148, 182-189.	1.9	63
72	Topâ€down estimate of methane emissions in California using a mesoscale inverse modeling technique: The San Joaquin Valley. Journal of Geophysical Research D: Atmospheres, 2017, 122, 3686-3699.	1.2	26

#	Article	IF	Citations
73	Emissions of volatile organic compounds (VOCs) from concentrated animal feeding operations (CAFOs): chemical compositions and separation of sources. Atmospheric Chemistry and Physics, 2017, 17, 4945-4956.	1.9	53
74	An improved, automated whole air sampler and gas chromatography mass spectrometry analysis system for volatile organic compounds in the atmosphere. Atmospheric Measurement Techniques, 2017, 10, 291-313.	1.2	54
75	Analysis of local-scale background concentrations of methane and other gas-phase species in the Marcellus Shale. Elementa, 2017, 5, .	1.1	25
76	Observations of VOC emissions and photochemical products over US oil- and gas-producing regions using high-resolution H₃O⁺ CIMS (PTR-ToF-MS). Atmospheric Measurement Techniques, 2017, 10, 2941-2968.	1.2	44
77	Instrumentation and measurement strategy for the NOAA SENEX aircraft campaign as part of the Southeast Atmosphere Study 2013. Atmospheric Measurement Techniques, 2016, 9, 3063-3093.	1.2	58
78	Measuring the Methane Leaks to the Air from Three Large Natural Gas Production Regions. Frontiers for Young Minds, 2016, 4, .	0.8	0
79	Convective transport of formaldehyde to the upper troposphere and lower stratosphere and associated scavenging in thunderstorms over the central United States during the 2012â€‰DC3 study. Journal of Geophysical Research D: Atmospheres, 2016, 121, 7430-7460.	1.2	28
80	Emissions of nitrogenâ€containing organic compounds from the burning of herbaceous and arboraceous biomass: Fuel composition dependence and the variability of commonly used nitrile tracers. Geophysical Research Letters, 2016, 43, 9903-9912.	1.5	79
81	Characterization of Ammonia, Methane, and Nitrous Oxide Emissions from Concentrated Animal Feeding Operations in Northeastern Colorado. Environmental Science & Technology, 2016, 50, 10885-10893.	4.6	48
82	Influence of oil and gas emissions on summertime ozone in the Colorado Northern Front Range. Journal of Geophysical Research D: Atmospheres, 2016, 121, 8712-8729.	1.2	86
83	Airborne quantification of upper tropospheric NO_x production from lightning in deep convective storms over the United States Great Plains. Journal of Geophysical Research D: Atmospheres, 2016, 121, 2002-2028.	1.2	25
84	HONO emission and production determined from airborne measurements over the Southeast U.S.. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9237-9250.	1.2	46
85	Convective transport and scavenging of peroxides by thunderstorms observed over the central U.S. during DC3. Journal of Geophysical Research D: Atmospheres, 2016, 121, 4272-4295.	1.2	24
86	Why do models overestimate surface ozone in the Southeast United States?. Atmospheric Chemistry and Physics, 2016, 16, 13561-13577.	1.9	320
87	Formaldehyde production from isoprene oxidation acrossÂNO_{<i>x</i>}Âregimes. Atmospheric Chemistry and Physics, 2016, 16, 2597-2610.	1.9	124
88	Quantifying atmospheric methane emissions from oil and natural gas production in the Bakken shale region of North Dakota. Journal of Geophysical Research D: Atmospheres, 2016, 121, 6101-6111.	1.2	99
89	Agricultural fires in the southeastern U.S. during SEAC⁴RS: Emissions of trace gases and particles and evolution of ozone, reactive nitrogen, and organic aerosol. Journal of Geophysical Research D: Atmospheres, 2016, 121, 7383-7414.	1.2	93
90	Injection of lightningâ€produced NO_x, water vapor, wildfire emissions, and stratospheric air to the UT/LS as observed from DC3 measurements. Journal of Geophysical Research D: Atmospheres, 2016, 121, 6638-6668.	1.2	28

#	Article	IF	Citations
91	Fugitive emissions from the Bakken shale illustrate role of shale production in global ethane shift. Geophysical Research Letters, 2016, 43, 4617-4623.	1.5	81
92	Methane emissions from the 2015 Aliso Canyon blowout in Los Angeles, CA. Science, 2016, 351, 1317-1320.	6.0	183
93	Observational Constraints on the Oxidation of NOx in the Upper Troposphere. Journal of Physical Chemistry A, 2016, 120, 1468-1478.	1.1	23
94	Airborne flux measurements of methane and volatile organic compounds over the Haynesville and Marcellus shale gas production regions. Journal of Geophysical Research D: Atmospheres, 2015, 120, 6271-6289.	1.2	56
95	Topâ€down estimate of methane emissions in California using a mesoscale inverse modeling technique: The South Coast Air Basin. Journal of Geophysical Research D: Atmospheres, 2015, 120, 6698-6711.	1.2	38
96	Upper tropospheric ozone production from lightning NO_xâ€impacted convection: Smoke ingestion case study from the DC3 campaign. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2505-2523.	1.2	88
97	Understanding high wintertime ozone pollution events in an oil- and natural gas-producing region of the western US. Atmospheric Chemistry and Physics, 2015, 15, 411-429.	1.9	154
98	Reassessing the ratio of glyoxal to formaldehyde as an indicator of hydrocarbon precursor speciation. Atmospheric Chemistry and Physics, 2015, 15, 7571-7583.	1.9	55
99	A large and ubiquitous source of atmospheric formic acid. Atmospheric Chemistry and Physics, 2015, 15, 6283-6304.	1.9	197
100	The POLARCAT Model Intercomparison Project (POLMIP): overview and evaluation with observations. Atmospheric Chemistry and Physics, 2015, 15, 6721-6744.	1.9	62
101	Corrigendum to "In situ vertical profiles of aerosol extinction, mass, and composition over the southeast United States during SENEX and SEAC⁴RS: observations of a modest aerosol enhancement aloft" published in Atmos. Chem. Phys., 15, 7085â€“7102, 2015. Atmospheric Chemistry and Physics, 2015, 15, 8455-8455.	1.9	1
102	In situ vertical profiles of aerosol extinction, mass, and composition over the southeast United States during SENEX and SEAC⁴RS: observations of a modest aerosol enhancement aloft. Atmospheric Chemistry and Physics, 2015, 15, 7085-7102.	1.9	50
103	The Deep Convective Clouds and Chemistry (DC3) Field Campaign. Bulletin of the American Meteorological Society, 2015, 96, 1281-1309.	1.7	165
104	Quantifying sources and sinks of reactive gases in the lower atmosphere using airborne flux observations. Geophysical Research Letters, 2015, 42, 8231-8240.	1.5	53
105	Airborne measurements of organosulfates over the continental U.S.. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2990-3005.	1.2	96
106	Quantifying atmospheric methane emissions from the Haynesville, Fayetteville, and northeastern Marcellus shale gas production regions. Journal of Geophysical Research D: Atmospheres, 2015, 120, 2119-2139.	1.2	164
107	Black Carbon Emissions from the Bakken Oil and Gas Development Region. Environmental Science and Technology Letters, 2015, 2, 281-285.	3.9	49
108	Airborne measurements of the atmospheric emissions from a fuel ethanol refinery. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4385-4397.	1.2	16

#	Article	IF	Citations
109	Evaluation of the airborne quantum cascade laser spectrometer (QCLS) measurements of the carbon and greenhouse gas suite â€“ CO₂, CH₄, N₂O, and CO â€“ during the CalNex and HIPPO campaigns. Atmospheric Measurement Techniques, 2014, 7, 1509-1526.	1.2	75
110	Thunderstorms enhance tropospheric ozone by wrapping and shedding stratospheric air. Geophysical Research Letters, 2014, 41, 7785-7790.	1.5	62
111	Chlorine as a primary radical: evaluation of methods to understand its role in initiation of oxidative cycles. Atmospheric Chemistry and Physics, 2014, 14, 3427-3440.	1.9	90
112	Emissions of organic carbon and methane from petroleum and dairy operations in California's San Joaquin Valley. Atmospheric Chemistry and Physics, 2014, 14, 4955-4978.	1.9	59
113	Volatile organic compound emissions from the oil and natural gas industry in the Uintah Basin, Utah: oil and gas well pad emissions compared to ambient air composition. Atmospheric Chemistry and Physics, 2014, 14, 10977-10988.	1.9	98
114	Top-down estimate of surface flux in the Los Angeles Basin using a mesoscale inverse modeling technique: assessing anthropogenic emissions of CO, NO_x and CO₂ and their impacts. Atmospheric Chemistry and Physics, 2013, 13, 3661-3677.	1.9	142
115	Diurnal tracking of anthropogenic CO₂ emissions in the Los Angeles basin megacity during spring 2010. Atmospheric Chemistry and Physics, 2013, 13, 4359-4372.	1.9	100
116	Ozone photochemistry in an oil and natural gas extraction region during winter: simulations of a snow-free season in the Uintah Basin, Utah. Atmospheric Chemistry and Physics, 2013, 13, 8955-8971.	1.9	100
117	Biogenic VOC oxidation and organic aerosol formation in an urban nocturnal boundary layer: aircraft vertical profiles in Houston, TX. Atmospheric Chemistry and Physics, 2013, 13, 11317-11337.	1.9	51
118	Quantifying sources of methane using light alkanes in the Los Angeles basin, California. Journal of Geophysical Research D: Atmospheres, 2013, 118, 4974-4990.	1.2	167
119	Chemical data quantify Deepwater Horizon hydrocarbon flow rate and environmental distribution. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20246-20253.	3.3	258
120	Primary and secondary sources of formaldehyde in urban atmospheres: Houston Texas region. Atmospheric Chemistry and Physics, 2012, 12, 3273-3288.	1.9	153
121	Observation and modeling of the evolution of Texas power plant plumes. Atmospheric Chemistry and Physics, 2012, 12, 455-468.	1.9	34
122	Air quality implications of theDeepwater Horizonoil spill. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20280-20285.	3.3	79
123	Airborne and groundâ€based observations of a weekend effect in ozone, precursors, and oxidation products in the California South Coast Air Basin. Journal of Geophysical Research, 2012, 117, .	3.3	97
124	A new inversion method to calculate emission inventories without a prior at mesoscale: Application to the anthropogenic CO₂ emission from Houston, Texas. Journal of Geophysical Research, 2012, 117, .	3.3	44
125	Effects of NO_xcontrol and plume mixing on nighttime chemical processing of plumes from coalâ€fired power plants. Journal of Geophysical Research, 2012, 117, .	3.3	20
126	Ozone and alkyl nitrate formation from the Deepwater Horizon oil spill atmospheric emissions. Journal of Geophysical Research, 2012, 117, .	3.3	16

#	Article	IF	Citations
127	Multiyear trends in volatile organic compounds in Los Angeles, California: Five decades of decreasing emissions. Journal of Geophysical Research, 2012, 117, .	3.3	183
128	Airborne observations of methane emissions from rice cultivation in the Sacramento Valley of California. Journal of Geophysical Research, 2012, 117, .	3.3	50
129	Increasing atmospheric burden of ethanol in the United States. Geophysical Research Letters, 2012, 39, .	1.5	41
130	Impact of Fuel Quality Regulation and Speed Reductions on Shipping Emissions: Implications for Climate and Air Quality. Environmental Science & Technology, 2011, 45, 9052-9060.	4.6	115
131	Atmospheric emissions from the Deepwater Horizon spill constrain air-water partitioning, hydrocarbon fate, and leak rate. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	107
132	Characteristics of black carbon aerosol from a surface oil burn during the Deepwater Horizon oil spill. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	34
133	Budgets for nocturnal VOC oxidation by nitrate radicals aloft during the 2006 Texas Air Quality Study. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	63
134	Characteristics, sources, and transport of aerosols measured in spring 2008 during the aerosol, radiation, and cloud processes affecting Arctic Climate (ARCPAC) Project. Atmospheric Chemistry and Physics, 2011, 11, 2423-2453.	1.9	259
135	Evaluations of NO_x and highly reactive VOC emission inventories in Texas and their implications for ozone plume simulations during the Texas Air Quality Study 2006. Atmospheric Chemistry and Physics, 2011, 11, 11361-11386.	1.9	85
136	Bromine measurements in ozone depleted air over the Arctic Ocean. Atmospheric Chemistry and Physics, 2010, 10, 6503-6514.	1.9	101
137	Aircraft observations of enhancement and depletion of black carbon mass in the springtime Arctic. Atmospheric Chemistry and Physics, 2010, 10, 9667-9680.	1.9	68
138	Biogenic emission measurement and inventories determination of biogenic emissions in the eastern United States and Texas and comparison with biogenic emission inventories. Journal of Geophysical Research, 2010, 115, .	3.3	89
139	A topâ€down analysis of emissions from selected Texas power plants during TexAQS 2000 and 2006. Journal of Geophysical Research, 2010, 115, .	3.3	60
140	Characterization of NO_x, SO₂, ethene, and propene from industrial emission sources in Houston, Texas. Journal of Geophysical Research, 2010, 115, .	3.3	44
141	Airborne observations of ammonia and ammonium nitrate formation over Houston, Texas. Journal of Geophysical Research, 2010, 115, .	3.3	91
142	Heating rates and surface dimming due to black carbon aerosol absorption associated with a major U.S. city. Geophysical Research Letters, 2009, 36, .	1.5	17
143	Organic aerosol formation in urban and industrial plumes near Houston and Dallas, Texas. Journal of Geophysical Research, 2009, 114, .	3.3	230
144	Relationship between photochemical ozone production and NO_x oxidation in Houston, Texas. Journal of Geophysical Research, 2009, 114, .	3.3	36

#	Article	IF	Citations
145	An evaluation of realâ€time air quality forecasts and their urban emissions over eastern Texas during the summer of 2006 Second Texas Air Quality Study field study. Journal of Geophysical Research, 2009, 114, .	3.3	69
146	Biomass burning in Siberia and Kazakhstan as an important source for haze over the Alaskan Arctic in April 2008. Geophysical Research Letters, 2009, 36, .	1.5	289
147	Measurement of the mixing state, mass, and optical size of individual black carbon particles in urban and biomass burning emissions. Geophysical Research Letters, 2008, 35, .	1.5	388
148	Mixing between a stratospheric intrusion and a biomass burning plume. Atmospheric Chemistry and Physics, 2007, 7, 4229-4235.	1.9	42
149	Observations of hydroxyl and the sum of peroxy radicals at Summit, Greenland during summer 2003. Atmospheric Environment, 2007, 41, 5122-5137.	1.9	105