

# Jessica B Gilman

## List of Publications by Citations

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136  
papers

7,298  
citations

52  
h-index

83  
g-index

140  
ext. papers

8,768  
ext. citations

7.1  
avg. IF

5.32  
L-index

#	Paper	IF	Citations
136	Volatile chemical products emerging as largest petrochemical source of urban organic emissions. <i>Science</i> , <b>2018</b> , 359, 760-764	33.3	421
135	Chemical and physical transformations of organic aerosol from the photo-oxidation of open biomass burning emissions in an environmental chamber. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 7669-7686	6.8	287
134	Source signature of volatile organic compounds from oil and natural gas operations in northeastern Colorado. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 1297-305	10.3	235
133	Coupling field and laboratory measurements to estimate the emission factors of identified and unidentified trace gases for prescribed fires. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 89-116	6.8	203
132	Organic aerosol composition and sources in Pasadena, California, during the 2010 CalNex campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 9233-9257	4.4	201
131	High winter ozone pollution from carbonyl photolysis in an oil and gas basin. <i>Nature</i> , <b>2014</b> , 514, 351-4	50.4	181
130	Emission ratios of anthropogenic volatile organic compounds in northern mid-latitude megacities: Observations versus emission inventories in Los Angeles and Paris. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 2041-2057	4.4	165
129	Gasoline emissions dominate over diesel in formation of secondary organic aerosol mass. <i>Geophysical Research Letters</i> , <b>2012</b> , 39, n/a-n/a	4.9	163
128	Intermediate-volatility organic compounds: a large source of secondary organic aerosol. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 13743-50	10.3	154
127	Nitryl chloride and molecular chlorine in the coastal marine boundary layer. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 10463-70	10.3	152
126	Quantifying sources of methane using light alkanes in the Los Angeles basin, California. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 4974-4990	4.4	146
125	Non-methane organic gas emissions from biomass burning: identification, quantification, and emission factors from PTR-ToF during the FIREX 2016 laboratory experiment. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 3299-3319	6.8	141
124	In-situ ambient quantification of monoterpenes, sesquiterpenes, and related oxygenated compounds during BEARPEX 2007: implications for gas- and particle-phase chemistry. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 5505-5518	6.8	141
123	Isocyanic acid in the atmosphere and its possible link to smoke-related health effects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 8966-71	11.5	133
122	Quantifying atmospheric methane emissions from the Haynesville, Fayetteville, and northeastern Marcellus shale gas production regions. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 21194-21199	4.4	132
121	Biomass burning emissions and potential air quality impacts of volatile organic compounds and other trace gases from fuels common in the US. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 13915-13938	6.8	121
120	Understanding high wintertime ozone pollution events in an oil- and natural gas-producing region of the western US. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 411-429	6.8	119

119	Vertically resolved measurements of nighttime radical reservoirs in Los Angeles and their contribution to the urban radical budget. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 10965-73	10.3	114
118	Modeling the formation and aging of secondary organic aerosols in Los Angeles during CalNex 2010. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 5773-5801	6.8	112
117	Organosulfates as tracers for secondary organic aerosol (SOA) formation from 2-methyl-3-buten-2-ol (MBO) in the atmosphere. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 9437-48	10.3	109
116	VOC identification and inter-comparison from laboratory biomass burning using PTR-MS and PIT-MS. <i>International Journal of Mass Spectrometry</i> , <b>2011</b> , 303, 6-14	1.9	105
115	Real-time measurements of secondary organic aerosol formation and aging from ambient air in an oxidation flow reactor in the Los Angeles area. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 7411-7433	6.8	97
114	Observational insights into aerosol formation from isoprene. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 11403-13	10.3	95
113	Ozone variability and halogen oxidation within the Arctic and sub-Arctic springtime boundary layer. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 10223-10236	6.8	94
112	Measurements of volatile organic compounds during the 2006 TexAQS/GoMACCS campaign: Industrial influences, regional characteristics, and diurnal dependencies of the OH reactivity. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		92
111	The glyoxal budget and its contribution to organic aerosol for Los Angeles, California, during CalNex 2010. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		89
110	Formaldehyde production from isoprene oxidation across NO regimes. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 2597-2610	6.8	88
109	Closing the peroxy acetyl nitrate budget: observations of acyl peroxy nitrates (PAN, PPN, and MPAN) during BEARPEX 2007. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 7623-7641	6.8	87
108	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> , <b>2012</b> , 117, n/a-n/a		84
107	Ozone photochemistry in an oil and natural gas extraction region during winter: simulations of a snow-free season in the Uintah Basin, Utah. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 8955-8971	6.8	84
106	Conversion of hydroperoxides to carbonyls in field and laboratory instrumentation: Observational bias in diagnosing pristine versus anthropogenically controlled atmospheric chemistry. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 8645-8651	4.9	83
105	Evidence of rapid production of organic acids in an urban air mass. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	81
104	Atmospheric benzenoid emissions from plants rival those from fossil fuels. <i>Scientific Reports</i> , <b>2015</b> , 5, 12064	4.9	79
103	Brown carbon absorption linked to organic mass tracers in biomass burning particles. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 2415-2422	6.8	75
102	Chlorine as a primary radical: evaluation of methods to understand its role in initiation of oxidative cycles. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 3427-3440	6.8	73

101	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. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 10977-10988	6.8	71
100	Origins and composition of fine atmospheric carbonaceous aerosol in the Sierra Nevada Mountains, California. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 10219-10241	6.8	71
99	Airborne formaldehyde measurements using PTR-MS: calibration, humidity dependence, inter-comparison and initial results. <i>Atmospheric Measurement Techniques</i> , <b>2011</b> , 4, 2345-2358	4	70
98	Emission factor ratios, SOA mass yields, and the impact of vehicular emissions on SOA formation. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 2383-2397	6.8	67
97	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> , <b>2014</b> , 14, 3789-3800	6.8	67
96	The Chemistry of Atmosphere-Forest Exchange (CAFE) Model [Part 2: Application to BEARPEX-2007 observations. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 1269-1294	6.8	67
95	High- and low-temperature pyrolysis profiles describe volatile organic compound emissions from western US wildfire fuels. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 9263-9281	6.8	67
94	Droplet activation properties of organic aerosols observed at an urban site during CalNex-LA. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 2903-2917	4.4	65
93	Detailed chemical characterization of unresolved complex mixtures in atmospheric organics: Insights into emission sources, atmospheric processing, and secondary organic aerosol formation. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 6783-6796	4.4	63
92	Influence of oil and gas emissions on summertime ozone in the Colorado Northern Front Range. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 8712-8729	4.4	62
91	A high-resolution time-of-flight chemical ionization mass spectrometer utilizing hydronium ions (H <sub>3</sub> O <sup>+</sup> ; ToF-CIMS) for measurements of volatile organic compounds in the atmosphere. <i>Atmospheric Measurement Techniques</i> , <b>2016</b> , 9, 2735-2752	4	58
90	Measurements of hydroxyl and hydroperoxy radicals during CalNex-LA: Model comparisons and radical budgets. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 4211-4232	4.4	58
89	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> , <b>2013</b> , 118, 10,638	4.4	57
88	Secondary formation of nitrated phenols: insights from observations during the Uintah Basin Winter Ozone Study (UBWOS) 2014. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 2139-2153	6.8	54
87	The primary and recycling sources of OH during the NACHTT-2011 campaign: HONO as an important OH primary source in the wintertime. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 6886-6896	4.4	53
86	Development and validation of a portable gas phase standard generation and calibration system for volatile organic compounds. <i>Atmospheric Measurement Techniques</i> , <b>2010</b> , 3, 683-691	4	53
85	Selectivity and stability of organic films at the air-aqueous interface. <i>Journal of Colloid and Interface Science</i> , <b>2004</b> , 280, 234-43	9.3	53
84	Emissions of nitrogen-containing organic compounds from the burning of herbaceous and arboraceous biomass: Fuel composition dependence and the variability of commonly used nitrile tracers. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 9903-9912	4.9	51

83	Instrumentation and Measurement Strategy for the NOAA SENEX Aircraft Campaign as Part of the Southeast Atmosphere Study 2013. <i>Atmospheric Measurement Techniques</i> , <b>2016</b> , 9, 3063-3093	4	50
82	Emissions of organic carbon and methane from petroleum and dairy operations in California's San Joaquin Valley. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 4955-4978	6.8	47
81	Methyl chavicol: characterization of its biogenic emission rate, abundance, and oxidation products in the atmosphere. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 2061-2074	6.8	47
80	An Odd Oxygen Framework for Wintertime Ammonium Nitrate Aerosol Pollution in Urban Areas: NOx and VOC Control as Mitigation Strategies. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 4971-4979	4.9	45
79	Investigation of secondary formation of formic acid: urban environment vs. oil and gas producing region. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 1975-1993	6.8	45
78	OH chemistry of non-methane organic gases (NMOGs) emitted from laboratory and ambient biomass burning smoke: evaluating the influence of furans and oxygenated aromatics on ozone and secondary NMOG formation. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 14875-14899	6.8	45
77	The global impacts of COVID-19 lockdowns on urban air pollution. <i>Elementa</i> , <b>2021</b> , 9,	3.6	42
76	The sea breeze/land breeze circulation in Los Angeles and its influence on nitryl chloride production in this region. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		40
75	Quantifying Methane and Ethane Emissions to the Atmosphere From Central and Western U.S. Oil and Natural Gas Production Regions. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 7725	4.4	39
74	Transition from high- to low-NOx control of night-time oxidation in the southeastern US. <i>Nature Geoscience</i> , <b>2017</b> , 10, 490-495	18.3	39
73	Photochemical aging of volatile organic compounds in the Los Angeles basin: Weekday-weekend effect. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 5018-5028	4.4	39
72	Photochemical modeling of glyoxal at a rural site: observations and analysis from BEARPEX 2007. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 8883-8897	6.8	39
71	Diurnal Variability and Emission Pattern of Decamethylcyclopentasiloxane (D) from the Application of Personal Care Products in Two North American Cities. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 5610-5618	10.3	38
70	Permeability of acetic acid through organic films at the air-aqueous interface. <i>Journal of Physical Chemistry A</i> , <b>2006</b> , 110, 7581-7	2.8	38
69	Observational constraints on glyoxal production from isoprene oxidation and its contribution to organic aerosol over the Southeast United States. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 9849-9861	4.4	38
68	Modeling Ozone in the Eastern U.S. using a Fuel-Based Mobile Source Emissions Inventory. <i>Environmental Science &amp; Technology</i> , <b>2018</b> , 52, 7360-7370	10.3	37
67	Airborne flux measurements of methane and volatile organic compounds over the Haynesville and Marcellus shale gas production regions. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 6271-6289	4.4	37
66	Gas and aerosol carbon in California: comparison of measurements and model predictions in Pasadena and Bakersfield. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 5243-5258	6.8	37

65	An improved, automated whole air sampler and gas chromatography mass spectrometry analysis system for volatile organic compounds in the atmosphere. <i>Atmospheric Measurement Techniques</i> , <b>2017</b> , 10, 291-313	4	36
64	Increasing atmospheric burden of ethanol in the United States. <i>Geophysical Research Letters</i> , <b>2012</b> , 39,	4-9	36
63	Secondary organic aerosol (SOA) yields from NO <sub>3</sub> radical + isoprene based on nighttime aircraft power plant plume transects. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 11663-11682	6.8	30
62	The impact of shipping, agricultural, and urban emissions on single particle chemistry observed aboard the R/V Atlantis during CalNex. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 5003-5017	4.4	29
61	Interfacial properties of mixed films of long-chain organics at the air-water interface. <i>Atmospheric Environment</i> , <b>2006</b> , 40, 6606-6614	5.3	28
60	Photochemical aging of volatile organic compounds associated with oil and natural gas extraction in the Uintah Basin, UT, during a wintertime ozone formation event. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 5727-5741	6.8	27
59	Urban Oxidation Flow Reactor Measurements Reveal Significant Secondary Organic Aerosol Contributions from Volatile Emissions of Emerging Importance. <i>Environmental Science &amp; Technology</i> , <b>2020</b> , 54, 714-725	10.3	27
58	Observations of VOC emissions and photochemical products over US oil- and gas-producing regions using high-resolution H <sub>2</sub> O <sup>+</sup> CIMS (PTR-ToF-MS). <i>Atmospheric Measurement Techniques</i> , <b>2017</b> , 10, 2941-2968	4	25
57	Low temperatures enhance organic nitrate formation: evidence from observations in the 2012 Uintah Basin Winter Ozone Study. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 12441-12454	6.8	25
56	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> , <b>2017</b> , 122, 11,843-11,865	4.4	25
55	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> , <b>2018</b> , 123, 2298-2319	4.4	24
54	Automated single-ion peak fitting as an efficient approach for analyzing complex chromatographic data. <i>Journal of Chromatography A</i> , <b>2017</b> , 1529, 81-92	4.5	24
53	Continued emissions of carbon tetrachloride from the United States nearly two decades after its phaseout for dispersive uses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 2880-5	11.5	22
52	Pollutant transport among California regions. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 6750-6763	4.4	22
51	Identifying Volatile Chemical Product Tracer Compounds in U.S. Cities. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 188-199	10.3	22
50	Nocturnal loss of NO <sub>x</sub> during the 2010 CalNex-LA study in the Los Angeles Basin. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 13,004-13,025	4.4	21
49	Reactive nitrogen partitioning and its relationship to winter ozone events in Utah. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 573-583	6.8	19
48	Intercomparison of OH and OH reactivity measurements in a high isoprene and low NO environment during the Southern Oxidant and Aerosol Study (SOAS). <i>Atmospheric Environment</i> , <b>2018</b> , 174, 227-236	5.3	18

47	Nitrous acid formation in a snow-free wintertime polluted rural area. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 1977-1996	6.8	17
46	Ethene, propene, butene and isoprene emissions from a ponderosa pine forest measured by relaxed eddy accumulation. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 13417-13438	6.8	17
45	Observations Confirm that Volatile Chemical Products Are a Major Source of Petrochemical Emissions in U.S. Cities. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 4332-4343	10.3	16
44	Airborne measurements of the atmospheric emissions from a fuel ethanol refinery. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 4385-4397	4.4	14
43	Ozone production in remote oceanic and industrial areas derived from ship based measurements of peroxy radicals during TexAQS 2006. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 2471-2485	6.8	12
42	Secondary organic aerosols from anthropogenic volatile organic compounds contribute substantially to air pollution mortality. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 11201-11224	6.8	12
41	Volatile chemical product emissions enhance ozone and modulate urban chemistry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2021</b> , 118,	11.5	11
40	Modelled and measured concentrations of peroxy radicals and nitrate radical in the U.S. Gulf Coast region during TexAQS 2006. <i>Journal of Atmospheric Chemistry</i> , <b>2011</b> , 68, 331-362	3.2	10
39	Real-time measurements of secondary organic aerosol formation and aging from ambient air in an oxidation flow reactor in the Los Angeles area		10
38	Sources and characteristics of summertime organic aerosol in the Colorado Front Range: perspective from measurements and WRF-Chem modeling. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 8293-8312	6.8	9
37	Variability and Time of Day Dependence of Ozone Photochemistry in Western Wildfire Plumes. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 10280-10290	10.3	9
36	In-situ ambient quantification of monoterpenes, sesquiterpenes, and related oxygenated compounds during BEARPEX 2007 ¶ implications for gas- and particle-phase chemistry		7
35	Emission ratios of anthropogenic VOC in northern mid-latitude megacities: observations vs. emission inventories in Los Angeles and Paris.. <i>Journal of Geophysical Research</i> ,		7
34	A portable and inexpensive method for quantifying ambient intermediate volatility organic compounds. <i>Atmospheric Environment</i> , <b>2014</b> , 94, 126-133	5.3	6
33	Ozone chemistry in western U.S. wildfire plumes. <i>Science Advances</i> , <b>2021</b> , 7, eabl3648	14.3	6
32	Ozone photochemistry in an oil and natural gas extraction region during winter: simulations of a snow-free season in the Uintah Basin, Utah		6
31	Formaldehyde production from isoprene oxidation across NO&lt;sub>2</sub>&lt;i>regimes</i>		6
30	Instrumentation and Measurement Strategy for the NOAA SENEX Aircraft Campaign as Part of the Southeast Atmosphere Study 2013		6

29	Hydrocarbon Removal in Power Plant Plumes Shows Nitrogen Oxide Dependence of Hydroxyl Radicals. <i>Geophysical Research Letters</i> , <b>2019</b> , 46, 7752-7760	4.9	5
28	Evaluating evidence for Cl sources and oxidation chemistry in a coastal, urban environment		5
27	Revisiting Acetonitrile as Tracer of Biomass Burning in Anthropogenic-Influenced Environments. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL092322	4.9	5
26	Volatile organic compound emissions from solvent- and water-borne coatings [Compositional differences and tracer compound identifications. <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 6005-6022	6.8	4
25	High- and low-temperature pyrolysis profiles describe volatile organic compound emissions from western US wildfire fuels <b>2018</b> ,		4
24	OH-chemistry of non-methane organic gases (NMOG) emitted from laboratory and ambient biomass burning smoke: evaluating the influence of furans and oxygenated aromatics on ozone and secondary NMOG formation <b>2019</b> ,		3
23	Origins and composition of fine atmospheric carbonaceous aerosol in the Sierra Nevada Mountains, California		3
22	Emissions of organic carbon and methane from petroleum and dairy operations in California's San Joaquin Valley		3
21	An MCM modeling study of nitryl chloride (ClNO <sub>2</sub> ) impacts on oxidation, ozone production and nitrogen oxide partitioning in polluted continental outflow		3
20	Modeling the formation and aging of secondary organic aerosols in Los Angeles during CalNex 2010		3
19	Photochemical aging of volatile organic compounds associated with oil and natural gas extraction in the Uintah Basin, UT, during a wintertime ozone formation event		3
18	An Improved, Automated Whole-Air Sampler and Gas Chromatography Mass Spectrometry Analysis System for Volatile Organic Compounds in the Atmosphere		3
17	Quantifying Methane and Ozone Precursor Emissions from Oil and Gas Production Regions across the Contiguous US. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 9129-9139	10.3	3
16	Measurements of Total OH Reactivity During CalNex-LA. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD032988	4.4	3
15	Formaldehyde evolution in US wildfire plumes during the Fire Influence on Regional to Global Environments and Air Quality experiment (FIREX-AQ). <i>Atmospheric Chemistry and Physics</i> , <b>2021</b> , 21, 18319-18331	6.8	3
14	Photochemical modeling of glyoxal at a rural site: observations and analysis from BEARPEX 2007		2
13	Coupling field and laboratory measurements to estimate the emission factors of identified and unidentified trace gases for prescribed fires		2
12	Biomass burning emissions and potential air quality impacts of volatile organic compounds and other trace gases from temperate fuels common in the United States		2



11	Methyl chavicol: characterization of its biogenic emission rate, abundance, and oxidation products in the atmosphere		2
10	Airborne Emission Rate Measurements Validate Remote Sensing Observations and Emission Inventories of Western U.S. Wildfires.. <i>Environmental Science &amp; Technology</i> , <b>2022</b> ,	10.3	2
9	Non-methane organic gas emissions from biomass burning: identification, quantification, and emission factors from PTR-ToF during the FIREX 2016 laboratory experiment <b>2017</b> ,		1
8	Nitrous acid formation in a snow-free wintertime polluted rural area <b>2017</b> ,		1
7	Airborne formaldehyde measurements using PTR-MS: calibration, humidity dependence, inter-comparison and initial results <b>2011</b> ,		1
6	Ozone production in remote oceanic and industrial areas derived from ship based measurements of peroxy radicals during TexAQS 2006		1
5	Emission factor ratios, SOA mass yields, and the impact of vehicular emissions on SOA formation		1
4	Closing the peroxy acetyl (PA) radical budget: observations of acyl peroxy nitrates (PAN, PPN, and MPAN) during BEARPEX 2007		1
3	Investigation of secondary formation of formic acid: urban environment vs. oil and gas producing region		1
2	Ozone variability and halogen oxidation within the Arctic and sub-Arctic springtime boundary layer		1
1	Simulating the Weekly Cycle of NO <sub>x</sub> -VOC-HO <sub>x</sub> -O <sub>3</sub> Photochemical System in the South Coast of California During CalNex-2010 Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 3532-3555	4.4	1