

# Jessica B Gilman

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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
135	Ozone chemistry in western U.S. wildfire plumes. <i>Science Advances</i> , <b>2021</b> , 7, eabl3648	14.3	6
134	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
133	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
132	Revisiting Acetonitrile as Tracer of Biomass Burning in Anthropogenic-Influenced Environments. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2020GL092322	4.9	5
131	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
130	Measurements of Total OH Reactivity During CalNex-LA. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2020JD032988	4.4	3
129	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
128	The global impacts of COVID-19 lockdowns on urban air pollution. <i>Elementa</i> , <b>2021</b> , 9,	3.6	42
127	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
126	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
125	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
124	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
123	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
122	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
121	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
120	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

119	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
118	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
117	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
116	Volatile chemical products emerging as largest petrochemical source of urban organic emissions. <i>Science</i> , <b>2018</b> , 359, 760-764	33.3	421
115	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
114	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
113	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
112	Secondary organic aerosol (SOA) yields from NO <sub>x</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
111	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
110	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
109	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
108	High- and low-temperature pyrolysis profiles describe volatile organic compound emissions from western US wildfire fuels <b>2018</b> ,		4
107	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
106	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
105	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
104	Observations of VOC emissions and photochemical products over US oil- and gas-producing regions using high-resolution H <sub>2</sub> O <sub>2</sub> + CIMS (PTR-ToF-MS). <i>Atmospheric Measurement Techniques</i> , <b>2017</b> , 10, 2941-2968	4	25
103	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
102	Transition from high- to low-NO <sub>x</sub> control of night-time oxidation in the southeastern US. <i>Nature Geoscience</i> , <b>2017</b> , 10, 490-495	18.3	39

101	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, 11,843-11,861	4.4	25
100	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
99	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
98	Nitrous acid formation in a snow-free wintertime polluted rural area <b>2017</b> ,		1
97	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
96	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
95	Formaldehyde production from isoprene oxidation across NO regimes. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 2597-2610	6.8	88
94	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
93	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
92	A high-resolution time-of-flight chemical ionization mass spectrometer utilizing hydronium ions ( $H_3O^+$ ; ToF-CIMS) for measurements of volatile organic compounds in the atmosphere. <i>Atmospheric Measurement Techniques</i> , <b>2016</b> , 9, 2735-2752	4	58
91	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
90	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
89	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
88	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
87	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
86	Atmospheric benzenoid emissions from plants rival those from fossil fuels. <i>Scientific Reports</i> , <b>2015</b> , 5, 12064	4.9	79
85	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
84	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

83	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
82	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
81	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
80	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
79	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
78	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
77	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, 21194-2139	4.4	132
76	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
75	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
74	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
73	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
72	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
71	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
70	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
69	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
68	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
67	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
66	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

65	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
64	Observational insights into aerosol formation from isoprene. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 11403-13	10.3	95
63	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
62	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
61	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
60	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
59	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
58	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
57	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
56	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
55	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
54	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
53	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
52	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
51	Pollutant transport among California regions. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 6750-6763	4.4	22
50	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
49	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
48	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

47	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
46	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
45	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
44	Increasing atmospheric burden of ethanol in the United States. <i>Geophysical Research Letters</i> , <b>2012</b> , 39,	4.9	36
43	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
42	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
41	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
40	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
39	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
38	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
37	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
36	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
35	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
34	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
33	Airborne formaldehyde measurements using PTR-MS: calibration, humidity dependence, inter-comparison and initial results <b>2011</b> ,		1
32	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
31	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
30	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

29	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
28	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
27	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
26	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
25	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
24	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
23	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
22	Ozone production in remote oceanic and industrial areas derived from ship based measurements of peroxy radicals during TexAQs 2006		1
21	Photochemical modeling of glyoxal at a rural site: observations and analysis from BEARPEX 2007		2
20	Origins and composition of fine atmospheric carbonaceous aerosol in the Sierra Nevada Mountains, California		3
19	Coupling field and laboratory measurements to estimate the emission factors of identified and unidentified trace gases for prescribed fires		2
18	Evaluating evidence for Cl sources and oxidation chemistry in a coastal, urban environment		5
17	Emission factor ratios, SOA mass yields, and the impact of vehicular emissions on SOA formation		1
16	Emissions of organic carbon and methane from petroleum and dairy operations in California's San Joaquin Valley		3
15	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
14	Ozone photochemistry in an oil and natural gas extraction region during winter: simulations of a snow-free season in the Uintah Basin, Utah		6
13	Modeling the formation and aging of secondary organic aerosols in Los Angeles during CalNex 2010		3
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	Real-time measurements of secondary organic aerosol formation and aging from ambient air in an oxidation flow reactor in the Los Angeles area	10
10	Formaldehyde production from isoprene oxidation across NO <sub>x</sub> regimes	6
9	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
8	Methyl chavicol: characterization of its biogenic emission rate, abundance, and oxidation products in the atmosphere	2
7	In-situ ambient quantification of monoterpenes, sesquiterpenes, and related oxygenated compounds during BEARPEX 2007 – Implications for gas- and particle-phase chemistry	7
6	Closing the peroxy acetyl (PA) radical budget: observations of acyl peroxy nitrates (PAN, PPN, and MPAN) during BEARPEX 2007	1
5	Instrumentation and Measurement Strategy for the NOAA SENEX Aircraft Campaign as Part of the Southeast Atmosphere Study 2013	6
4	An Improved, Automated Whole-Air Sampler and Gas Chromatography Mass Spectrometry Analysis System for Volatile Organic Compounds in the Atmosphere	3
3	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
2	Investigation of secondary formation of formic acid: urban environment vs. oil and gas producing region	1
1	Ozone variability and halogen oxidation within the Arctic and sub-Arctic springtime boundary layer	1