

Carsten Warneke

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.

224
papers

15,660
citations

69
h-index

118
g-index

234
ext. papers

18,057
ext. citations

7.4
avg, IF

5.99
L-index

#	Paper	IF	Citations
224	Next-Generation Isoprene Measurements From Space: Detecting Daily Variability at High Resolution. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022 , 127,	4.4	2
223	Hydrogen chloride (HCl) at ground sites during CalNex 2010 and insight into its thermodynamic properties.. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022 , 127, 1-16	4.4	0
222	Airborne Emission Rate Measurements Validate Remote Sensing Observations and Emission Inventories of Western U.S. Wildfires.. <i>Environmental Science & Technology</i> , 2022 ,	10.3	2
221	Ozone chemistry in western U.S. wildfire plumes. <i>Science Advances</i> , 2021 , 7, eabl3648	14.3	6
220	Nighttime and daytime dark oxidation chemistry in wildfire plumes: an observation and model analysis of FIREX-AQ aircraft data. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 16293-16317	6.8	8
219	Novel Analysis to Quantify Plume Crosswind Heterogeneity Applied to Biomass Burning Smoke. <i>Environmental Science & Technology</i> , 2021 , 55, 15646-15657	10.3	2
218	Rapid cloud removal of dimethyl sulfide oxidation products limits SO and cloud condensation nuclei production in the marine atmosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	7
217	Observations Confirm that Volatile Chemical Products Are a Major Source of Petrochemical Emissions in U.S. Cities. <i>Environmental Science & Technology</i> , 2021 , 55, 4332-4343	10.3	16
216	Volatile organic compound emissions from solvent- and water-borne coatings [compositional differences and tracer compound identifications. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 6005-6022	6.8	4
215	Revisiting Acetonitrile as Tracer of Biomass Burning in Anthropogenic-Influenced Environments. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL092322	4.9	5
214	Quantifying Methane and Ozone Precursor Emissions from Oil and Gas Production Regions across the Contiguous US. <i>Environmental Science & Technology</i> , 2021 , 55, 9129-9139	10.3	3
213	Measurements of Total OH Reactivity During CalNex-LA. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD032988	4.4	3
212	Identifying Volatile Chemical Product Tracer Compounds in U.S. Cities. <i>Environmental Science & Technology</i> , 2021 , 55, 188-199	10.3	22
211	Airborne extractive electrospray mass spectrometry measurements of the chemical composition of organic aerosol. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 1545-1559	4	6
210	Variability and Time of Day Dependence of Ozone Photochemistry in Western Wildfire Plumes. <i>Environmental Science & Technology</i> , 2021 , 55, 10280-10290	10.3	9
209	Secondary organic aerosols from anthropogenic volatile organic compounds contribute substantially to air pollution mortality. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 11201-11224	6.8	12
208	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> , 2021 , 118,	11.5	11

207	Chemical Tomography in a Fresh Wildland Fire Plume: A Large Eddy Simulation (LES) Study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2021JD035203	4.4	5
206	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> , 2021 , 21, 18319-18331	6.8	31
205	Biomass burning nitrogen dioxide emissions derived from space with TROPOMI: methodology and validation. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 7929-7957	4	3
204	Oxygenated Aromatic Compounds are Important Precursors of Secondary Organic Aerosol in Biomass-Burning Emissions. <i>Environmental Science & Technology</i> , 2020 , 54, 8568-8579	10.3	29
203	The nitrogen budget of laboratory-simulated western US wildfires during the FIREX 2016 Fire Lab study. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 8807-8826	6.8	20
202	Urban Oxidation Flow Reactor Measurements Reveal Significant Secondary Organic Aerosol Contributions from Volatile Emissions of Emerging Importance. <i>Environmental Science & Technology</i> , 2020 , 54, 714-725	10.3	27
201	Contrasting Reactive Organic Carbon Observations in the Southeast United States (SOAS) and Southern California (CalNex). <i>Environmental Science & Technology</i> , 2020 , 54, 14923-14935	10.3	3
200	Biomass-burning-derived particles from a wide variety of fuels [Part 2: Effects of photochemical aging on particle optical and chemical properties. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 8511-8532	6.8	24
199	Satellite isoprene retrievals constrain emissions and atmospheric oxidation. <i>Nature</i> , 2020 , 585, 225-233	50.4	21
198	The Relevance of Pyrogenic Carbon for Carbon Budgets From Fires: Insights From the FIREX Experiment. <i>Global Biogeochemical Cycles</i> , 2020 , 34, e2020GB006647	5.9	5
197	On the sources and sinks of atmospheric VOCs: an integrated analysis of recent aircraft campaigns over North America. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 9097-9123	6.8	17
196	Nighttime Chemical Transformation in Biomass Burning Plumes: A Box Model Analysis Initialized with Aircraft Observations. <i>Environmental Science & Technology</i> , 2019 , 53, 2529-2538	10.3	37
195	Hydrocarbon Removal in Power Plant Plumes Shows Nitrogen Oxide Dependence of Hydroxyl Radicals. <i>Geophysical Research Letters</i> , 2019 , 46, 7752-7760	4.9	5
194	Towards a satellite formaldehyde in situ hybrid estimate for organic aerosol abundance. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 2765-2785	6.8	10
193	Anthropogenic enhancements to production of highly oxygenated molecules from autoxidation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 6641-6646	11.5	42
192	Role of Criegee Intermediates in Secondary Sulfate Aerosol Formation in Nocturnal Power Plant Plumes in the Southeast US. <i>ACS Earth and Space Chemistry</i> , 2019 , 3, 748-759	3.2	8
191	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> , 2019 , 46, 4971-4979	4.9	45
190	Secondary organic aerosol formation from the laboratory oxidation of biomass burning emissions. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 12797-12809	6.8	43

189	Simulating the Weekly Cycle of NO _x -VOC-HO _x -O ₃ Photochemical System in the South Coast of California During CalNex-2010 Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 3532-3555	4.4	1
188	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> , 2019 , 19, 14875-14899	6.8	45
187	Isotopic characterization of nitrogen oxides (NO _x), nitrous acid (HONO), and nitrate (NO ₃) from laboratory biomass burning during FIREX. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 6303-6317	4	11
186	Diurnal Variability and Emission Pattern of Decamethylcyclopentasiloxane (D) from the Application of Personal Care Products in Two North American Cities. <i>Environmental Science & Technology</i> , 2018 , 52, 5610-5618	10.3	38
185	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	4.4	24
184	Synthesis of the Southeast Atmosphere Studies: Investigating Fundamental Atmospheric Chemistry Questions. <i>Bulletin of the American Meteorological Society</i> , 2018 , 99, 547-567	6.1	50
183	Nitrous acid formation in a snow-free wintertime polluted rural area. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 1977-1996	6.8	17
182	Southeast Atmosphere Studies: learning from model-observation syntheses. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 2615-2651	6.8	31
181	Aerosol optical properties and trace gas emissions by PAX and OP-FTIR for laboratory-simulated western US wildfires during FIREX. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 2929-2948	6.8	71
180	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> , 2018 , 18, 3299-3319	6.8	141
179	Impact of high-resolution a priori profiles on satellite-based formaldehyde retrievals. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 7639-7655	6.8	2
178	Secondary organic aerosol (SOA) yields from NO ₃ radical + isoprene based on nighttime aircraft power plant plume transects. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 11663-11682	6.8	30
177	Characterization of a catalyst-based conversion technique to measure total particulate nitrogen and organic carbon and comparison to a particle mass measurement instrument. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 2749-2768	4	13
176	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> , 2018 , 123, 7725	4.4	39
175	Modeling Ozone in the Eastern U.S. using a Fuel-Based Mobile Source Emissions Inventory. <i>Environmental Science & Technology</i> , 2018 , 52, 7360-7370	10.3	37
174	Primary emissions of glyoxal and methylglyoxal from laboratory measurements of open biomass burning. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 15451-15470	6.8	14
173	High- and low-temperature pyrolysis profiles describe volatile organic compound emissions from western US wildfire fuels. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 9263-9281	6.8	67
172	Evaluation of a New Reagent-Ion Source and Focusing Ion-Molecule Reactor for Use in Proton-Transfer-Reaction Mass Spectrometry. <i>Analytical Chemistry</i> , 2018 , 90, 12011-12018	7.8	76

171	Development of a Fuel-Based Oil and Gas Inventory of Nitrogen Oxides Emissions. <i>Environmental Science & Technology</i> , 2018 , 52, 10175-10185	10.3	9
170	Photochemical Cloud Processing of Primary Wildfire Emissions as a Potential Source of Secondary Organic Aerosol. <i>Environmental Science & Technology</i> , 2018 , 52, 11027-11037	10.3	27
169	Summertime tropospheric ozone enhancement associated with a cold front passage due to stratosphere-to-troposphere transport and biomass burning: Simultaneous ground-based lidar and airborne measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 1293-1311	4.4	12
168	Calculation of the sensitivity of proton-transfer-reaction mass spectrometry (PTR-MS) for organic trace gases using molecular properties. <i>International Journal of Mass Spectrometry</i> , 2017 , 421, 71-94	1.9	53
167	Airborne measurements of isoprene and monoterpene emissions from southeastern U.S. forests. <i>Science of the Total Environment</i> , 2017 , 595, 149-158	10.2	11
166	Proton-Transfer-Reaction Mass Spectrometry: Applications in Atmospheric Sciences. <i>Chemical Reviews</i> , 2017 , 117, 13187-13229	68.1	172
165	Observations of VOC emissions and photochemical products over US oil- and gas-producing regions using high-resolution H ₃ O ⁺ CIMS (PTR-ToF-MS). <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 2941-2968	4	25
164	Transition from high- to low-NO _x control of night-time oxidation in the southeastern US. <i>Nature Geoscience</i> , 2017 , 10, 490-495	18.3	39
163	Emissions of volatile organic compounds (VOCs) from concentrated animal feeding operations (CAFOs): chemical compositions and separation of sources. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 4945-4956	6.8	30
162	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, 11,843-11,865	4.4	25
161	Ethene, propene, butene and isoprene emissions from a ponderosa pine forest measured by relaxed eddy accumulation. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 13417-13438	6.8	17
160	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> , 2017 , 10, 291-313	4	36
159	Analysis of local-scale background concentrations of methane and other gas-phase species in the Marcellus Shale. <i>Elementa</i> , 2017 , 5, 1	3.6	20
158	Influence of Long-Range Transport of Siberian Biomass Burning at the Mt. Bachelor Observatory during the Spring of 2015. <i>Aerosol and Air Quality Research</i> , 2017 , 17, 2751-2761	4.6	4
157	Enhanced formation of isoprene-derived organic aerosol in sulfur-rich power plant plumes during Southeast Nexus. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 11,137-11,153	4.4	38
156	Intercomparison and evaluation of satellite peroxyacetyl nitrate observations in the upper troposphere/lower stratosphere. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 13541-13559	6.8	12
155	Secondary formation of nitrated phenols: insights from observations during the Uintah Basin Winter Ozone Study (UBWOS) 2014. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 2139-2153	6.8	54
154	Reactive nitrogen partitioning and its relationship to winter ozone events in Utah. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 573-583	6.8	19

153	Formaldehyde production from isoprene oxidation across NO regimes. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 2597-2610	6.8	88
152	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> , 2016 , 16, 7411-7433	6.8	97
151	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> , 2016 , 9, 2735-2752	4	58
150	Instrumentation and Measurement Strategy for the NOAA SENEX Aircraft Campaign as Part of the Southeast Atmosphere Study 2013. <i>Atmospheric Measurement Techniques</i> , 2016 , 9, 3063-3093	4	50
149	Evaluation of NO^+ reagent ion chemistry for online measurements of atmospheric volatile organic compounds. <i>Atmospheric Measurement Techniques</i> , 2016 , 9, 2909-2925	4	34
148	Sensitivity of biogenic volatile organic compounds to land surface parameterizations and vegetation distributions in California. <i>Geoscientific Model Development</i> , 2016 , 9, 1959-1976	6.3	19
147	Contribution of human-related sources to indoor volatile organic compounds in a university classroom. <i>Indoor Air</i> , 2016 , 26, 925-938	5.4	63
146	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> , 2016 , 121, 9849-9861	4.4	38
145	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> , 2016 , 43, 9903-9912	4.9	51
144	PTR-QMS versus PTR-TOF comparison in a region with oil and natural gas extraction industry in the Uintah Basin in 2013. <i>Atmospheric Measurement Techniques</i> , 2015 , 8, 411-420	4	25
143	Airborne measurements of the atmospheric emissions from a fuel ethanol refinery. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 4385-4397	4.4	14
142	Emissions of C ₆ -C ₈ aromatic compounds in the United States: Constraints from tall tower and aircraft measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 826-842	4.4	36
141	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> , 2015 , 120, 6271-6289	4.4	37
140	Understanding high wintertime ozone pollution events in an oil- and natural gas-producing region of the western US. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 411-429	6.8	119
139	Reassessing the ratio of glyoxal to formaldehyde as an indicator of hydrocarbon precursor speciation. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 7571-7583	6.8	42
138	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> , 2015 , 15, 13915-13938	6.8	121
137	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	6.8	45
136	A large and ubiquitous source of atmospheric formic acid. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 6283-6304	6.8	141

135	The POLARCAT Model Intercomparison Project (POLMIP): overview and evaluation with observations. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 6721-6744	6.8	52
134	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> , 2015 , 15, 5727-5741	6.8	27
133	In situ vertical profiles of aerosol extinction, mass, and composition over the southeast United States during SENEX and SEAC&sup&4</sup&RS: observations of a modest aerosol enhancement aloft. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 7085-7102	6.8	46
132	Quantifying atmospheric methane emissions from the Haynesville, Fayetteville, and northeastern Marcellus shale gas production regions. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 21194-21199	4.4	132
131	Interpretation of volatile organic compound measurements by proton-transfer-reaction mass spectrometry over the deepwater horizon oil spill. <i>International Journal of Mass Spectrometry</i> , 2014 , 358, 43-48	1.9	35
130	High winter ozone pollution from carbonyl photolysis in an oil and gas basin. <i>Nature</i> , 2014 , 514, 351-4	50.4	181
129	A measurement of total reactive nitrogen, NO _y , together with NO ₂ and NO ₃ via cavity ring-down spectroscopy. <i>Environmental Science & Technology</i> , 2014 , 48, 9609-15	10.3	66
128	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> , 2014 , 119, 6886-6896	4.4	53
127	Low temperatures enhance organic nitrate formation: evidence from observations in the 2012 Uintah Basin Winter Ozone Study. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 12441-12454	6.8	25
126	Quantifying global terrestrial methanol emissions using observations from the TES satellite sensor. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 2555-2570	6.8	31
125	Emissions of organic carbon and methane from petroleum and dairy operations in California@ San Joaquin Valley. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 4955-4978	6.8	47
124	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> , 2014 , 14, 10977-10988	6.8	71
123	Measurements of hydrogen sulfide (H ₂ S) using PTR-MS: calibration, humidity dependence, inter-comparison and results from field studies in an oil and gas production region. <i>Atmospheric Measurement Techniques</i> , 2014 , 7, 3597-3610	4	20
122	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	4.4	31
121	Volatile organic compound emissions from elephant grass and bamboo cultivars used as potential bioethanol crop. <i>Atmospheric Environment</i> , 2013 , 65, 61-68	5.3	17
120	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	5.3	27
119	Laboratory studies on secondary organic aerosol formation from crude oil vapors. <i>Environmental Science & Technology</i> , 2013 , 47, 12566-74	10.3	36
118	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> , 2013 , 118, 2041-2057	4.4	165

117	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> , 2013 , 13, 89-116	6.8	203
116	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> , 2013 , 13, 8955-8971	6.8	84
115	Biogenic VOC oxidation and organic aerosol formation in an urban nocturnal boundary layer: aircraft vertical profiles in Houston, TX. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 11317-11337	6.8	44
114	Photochemical aging of volatile organic compounds in the Los Angeles basin: Weekday-weekend effect. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 5018-5028	4.4	39
113	Air quality implications of the Deepwater Horizon oil spill. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 20280-5	11.5	59
112	Mass spectral analysis of organic aerosol formed downwind of the Deepwater Horizon oil spill: field studies and laboratory confirmations. <i>Environmental Science & Technology</i> , 2012 , 46, 8025-34	10.3	38
111	Gasoline emissions dominate over diesel in formation of secondary organic aerosol mass. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	163
110	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, n/a-n/a		84
109	Evolution of aerosol properties impacting visibility and direct climate forcing in an ammonia-rich urban environment. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		43
108	Multiyear trends in volatile organic compounds in Los Angeles, California: Five decades of decreasing emissions. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		158
107	Increasing atmospheric burden of ethanol in the United States. <i>Geophysical Research Letters</i> , 2012 , 39,	4.9	36
106	Chemical data quantify Deepwater Horizon hydrocarbon flow rate and environmental distribution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 20246-53	11.5	224
105	Tropospheric methanol observations from space: retrieval evaluation and constraints on the seasonality of biogenic emissions. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 5897-5912	6.8	33
104	Evidence of rapid production of organic acids in an urban air mass. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	81
103	Organic aerosol formation downwind from the Deepwater Horizon oil spill. <i>Science</i> , 2011 , 331, 1295-9	33.3	138
102	Measurements of volatile organic compounds at a suburban ground site (T1) in Mexico City during the MILAGRO 2006 campaign: measurement comparison, emission ratios, and source attribution. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 2399-2421	6.8	92
101	Characteristics, sources, and transport of aerosols measured in spring 2008 during the aerosol, radiation, and cloud processes affecting Arctic Climate (ARCPAC) Project. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 2423-2453	6.8	217
100	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> , 2011 , 11, 2471-2485	6.8	12

99	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. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 11361-11386	6.8	70
98	Absorbing aerosol in the troposphere of the Western Arctic during the 2008 ARCTAS/ARCPAC airborne field campaigns. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 7561-7582	6.8	60
97	Importance of secondary sources in the atmospheric budgets of formic and acetic acids. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 1989-2013	6.8	226
96	Emissions and photochemistry of oxygenated VOCs in urban plumes in the Northeastern United States. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 7081-7096	6.8	32
95	Volatile organic compound emissions from switchgrass cultivars used as biofuel crops. <i>Atmospheric Environment</i> , 2011 , 45, 3333-3337	5.3	23
94	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> , 2011 , 68, 331-362	3.2	10
93	VOC identification and inter-comparison from laboratory biomass burning using PTR-MS and PIT-MS. <i>International Journal of Mass Spectrometry</i> , 2011 , 303, 6-14	1.9	105
92	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> , 2011 , 108, 8966-71	11.5	133
91	Airborne formaldehyde measurements using PTR-MS: calibration, humidity dependence, inter-comparison and initial results 2011 ,		1
90	Airborne formaldehyde measurements using PTR-MS: calibration, humidity dependence, inter-comparison and initial results. <i>Atmospheric Measurement Techniques</i> , 2011 , 4, 2345-2358	4	70
89	Measurement of HONO, HNCO, and other inorganic acids by negative-ion proton-transfer chemical-ionization mass spectrometry (NI-PT-CIMS): application to biomass burning emissions. <i>Atmospheric Measurement Techniques</i> , 2010 , 3, 981-990	4	131
88	Development and validation of a portable gas phase standard generation and calibration system for volatile organic compounds. <i>Atmospheric Measurement Techniques</i> , 2010 , 3, 683-691	4	53
87	Biogenic emission measurement and inventories determination of biogenic emissions in the eastern United States and Texas and comparison with biogenic emission inventories. <i>Journal of Geophysical Research</i> , 2010 , 115,		83
86	Characterization of NO _x , SO ₂ , ethene, and propene from industrial emission sources in Houston, Texas. <i>Journal of Geophysical Research</i> , 2010 , 115,		39
85	Measurements of gas-phase inorganic and organic acids from biomass fires by negative-ion proton-transfer chemical-ionization mass spectrometry. <i>Journal of Geophysical Research</i> , 2010 , 115,		138
84	An important contribution to springtime Arctic aerosol from biomass burning in Russia. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	155
83	Laboratory measurements of trace gas emissions from biomass burning of fuel types from the southeastern and southwestern United States. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 11115-11130	6.8	173
82	Global atmospheric budget of acetaldehyde: 3-D model analysis and constraints from in-situ and satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 3405-3425	6.8	234

81	Ozone variability and halogen oxidation within the Arctic and sub-Arctic springtime boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 10223-10236	6.8	94
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18	Importance of secondary sources in the atmospheric budgets of formic and acetic acids		4
17	Characteristics, sources, and transport of aerosols measured in spring 2008 during the aerosol, radiation, and cloud processes affecting Arctic climate (ARCPAC) project		9
16	Absorbing aerosol in the troposphere of the Western Arctic during the 2008 ARCTAS/ARCPAC airborne field campaigns		3
15	Tropospheric methanol observations from space: retrieval evaluation and constraints on the seasonality of biogenic emissions		6
14	The POLARCAT Model Intercomparison Project (POLMIP): overview and evaluation with observations		10
13	Real-time measurements of secondary organic aerosol formation and aging from ambient air in an oxidation flow reactor in the Los Angeles area		10
12	Formaldehyde production from isoprene oxidation across NO ₂ regimes		6
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9	Emissions and photochemistry of oxygenated VOCs in urban plumes in the Northeastern United States	7
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