J D Crounse

List of Publications by Year in Descending Order

151 papers	11,427 citations	55 h-index	106 g-index
189 ext. papers	13,334 ext. citations	8 avg, IF	5.85 L-index

#	Paper	IF	Citations
151	Photochemical evolution of the 2013 California Rim Fire: synergistic impacts of reactive hydrocarbons and enhanced oxidants. *Atmospheric Chemistry and Physics*, **2022**, 22, 4253-4275	6.8	2
150	Hydrotrioxide (ROOOH) formation in the atmosphere. *Science*, **2022**, 376, 979-982	33.3	4
149	Ozone chemistry in western U.S. wildfire plumes. *Science Advances*, **2021**, 7, eabl3648	14.3	6
148	THE NASA ATMOSPHERIC TOMOGRAPHY (ATom) MISSION: Imaging the Chemistry of the Global Atmosphere. *Bulletin of the American Meteorological Society*, **2021**, 1-53	6.1	6
147	FORest Canopy Atmosphere Transfer (FORCAsT) 2.0: model updates and evaluation with observations at a mixed forest site. *Geoscientific Model Development*, **2021**, 14, 6309-6329	6.3	1
146	Improvements to a laser-induced fluorescence instrument for measuring SO₂ impact on accuracy and precision. *Atmospheric Measurement Techniques*, **2021**, 14, 2429-2439	4	2
145	HCOOH in the remote atmosphere: Constraints from Atmospheric Tomography (ATom) airborne observations. *ACS Earth and Space Chemistry*, **2021**, 5, 1436-1454	3.2	2
144	Chemical transport models often underestimate inorganic aerosol acidity in remote regions of the atmosphere. *Communications Earth & Environment*, **2021**, 2,	6.1	7
143	Hydroxymethanesulfonate (HMS) Formation during Summertime Fog in an Arctic Oil Field. *Environmental Science and Technology Letters*, **2021**, 8, 511-518	11	3
142	Impact of stratospheric air and surface emissions on tropospheric nitrous oxide during ATom. *Atmospheric Chemistry and Physics*, **2021**, 21, 11113-11132	6.8	3
141	Heterogeneity and chemical reactivity of the remote troposphere defined by aircraft measurements. *Atmospheric Chemistry and Physics*, **2021**, 21, 13729-13746	6.8	1
140	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,	11.5	6
139	Rapid hydrolysis of tertiary isoprene nitrate efficiently removes NO from the atmosphere. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 33011-33016	11.5	15
138	Vertical Transport, Entrainment, and Scavenging Processes Affecting Trace Gases in a Modeled and Observed SEAC4RS Case Study. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2019JD031957	4.4	1
137	Missing OH reactivity in the global marine boundary layer. *Atmospheric Chemistry and Physics*, **2020**, 20, 4013-4029	6.8	13
136	Airborne formaldehyde and volatile organic compound measurements over the Daesan petrochemical complex on Korea's northwest coast during the Korea-United States Air Quality study. *Elementa*, **2020**, 8,	3.6	6
135	Correcting model biases of CO in East Asia: impact on oxidant distributions during KORUS-AQ. *Atmospheric Chemistry and Physics*, **2020**, 20, 14617-14647	6.8	13

134	Constraining remote oxidation capacity with ATom observations. *Atmospheric Chemistry and Physics*, **2020**, 20, 7753-7781	6.8	18
133	Exploring Oxidation in the Remote Free Troposphere: Insights From Atmospheric Tomography (ATom). *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2019JD031685	4.4	11
132	Fine particle pH and sensitivity to NH₃ and HNO₃ over summertime South Korea during KORUS-AQ **2020**,		1
131	Impacts of Traffic Reductions Associated With COVID-19 on Southern California Air Quality. *Geophysical Research Letters*, **2020**, 47, e2020GL090164	4.9	27
130	New Insights into the Radical Chemistry and Product Distribution in the OH-Initiated Oxidation of Benzene. *Environmental Science & Technology*, **2020**, 54, 13467-13477	10.3	14
129	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	6.8	17
128	Stereoselectivity in Atmospheric Autoxidation. *Journal of Physical Chemistry Letters*, **2019**, 10, 6260-6266	6.4	14
127	Unimolecular Reactions of Peroxy Radicals Formed in the Oxidation of □Pinene and □Pinene by Hydroxyl Radicals. *Journal of Physical Chemistry A*, **2019**, 123, 1661-1674	2.8	43
126	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	11.5	38
125	Atmospheric Acetaldehyde: Importance of Air-Sea Exchange and a Missing Source in the Remote Troposphere. *Geophysical Research Letters*, **2019**, 46, 5601-5613	4.9	28
124	Highly Oxygenated Organic Molecules (HOM) from Gas-Phase Autoxidation Involving Peroxy Radicals: A Key Contributor to Atmospheric Aerosol. *Chemical Reviews*, **2019**, 119, 3472-3509	68.1	262
123	Intramolecular Hydrogen Shift Chemistry of Hydroperoxy-Substituted Peroxy Radicals. *Journal of Physical Chemistry A*, **2019**, 123, 590-600	2.8	22
122	Gas-Phase Reactions of Isoprene and Its Major Oxidation Products. *Chemical Reviews*, **2018**, 118, 3337-3390	68.1	211
121	Atmospheric autoxidation is increasingly important in urban and suburban North America. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 64-69	11.5	101
120	Decadal changes in summertime reactive oxidized nitrogen and surface ozone over the Southeast United States. *Atmospheric Chemistry and Physics*, **2018**, 18, 2341-2361	6.8	24
119	Kinetics and Product Yields of the OH Initiated Oxidation of Hydroxymethyl Hydroperoxide. *Journal of Physical Chemistry A*, **2018**, 122, 6292-6302	2.8	19
118	Observed NO/NO2 Ratios in the Upper Troposphere Imply Errors in NO-NO2-O3 Cycling Kinetics or an Unaccounted NOx Reservoir. *Geophysical Research Letters*, **2018**, 45, 4466-4474	4.9	24
117	Representing sub-grid scale variations in nitrogen deposition associated with land use in a global Earth system model: implications for present and future nitrogen deposition fluxes over North America. *Atmospheric Chemistry and Physics*, **2018**, 18, 17963-17978	6.8	18

116	Low-pressure gas chromatography with chemical ionization mass spectrometry for quantification of multifunctional organic compounds in the atmosphere. *Atmospheric Measurement Techniques*, **2018**, 11, 6815-6832	4	14
115	Constraints on Aerosol Nitrate Photolysis as a Potential Source of HONO and NO. *Environmental Science & Technology*, **2018**, 52, 13738-13746	10.3	43
114	High-resolution inversion of OMI formaldehyde columns to quantify isoprene emission on ecosystem-relevant scales: application to the southeast US. *Atmospheric Chemistry and Physics*, **2018**, 18, 5483-5497	6.8	43
113	Isoprene Peroxy Radical Dynamics. *Journal of the American Chemical Society*, **2017**, 139, 5367-5377	16.4	85
112	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	4.4	116
111	Lightning NOx Emissions: Reconciling Measured and Modeled Estimates With Updated NOx Chemistry. *Geophysical Research Letters*, **2017**, 44, 9479-9488	4.9	36
110	High-resolution inversion of OMI formaldehyde columns to quantify isoprene emission on ecosystem-relevant scales: application to the Southeast US **2017**,		1
109	Kinetics and Products of the Reaction of the First-Generation Isoprene Hydroxy Hydroperoxide (ISOPOOH) with OH. *Journal of Physical Chemistry A*, **2016**, 120, 1441-51	2.8	84
108	NO_x emissions, isoprene oxidation pathways, vertical mixing, and implications for surface ozone in the Southeast United States **2016**,		8
107	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	4.4	20
106	Why do Models Overestimate Surface Ozone in the Southeastern United States?. *Atmospheric Chemistry and Physics*, **2016**, 16, 13561-13577	6.8	239
105	Organic nitrate chemistry and its implications for nitrogen budgets in an isoprene- and monoterpene-rich atmosphere: constraints from aircraft (SEACRS) and ground-based (SOAS) observations in the Southeast US. *Atmospheric Chemistry and Physics*, **2016**, 16, 5969-5991	6.8	129
104	The lifetime of nitrogen oxides in an isoprene-dominated forest. *Atmospheric Chemistry and Physics*, **2016**, 16, 7623-7637	6.8	49
103	Speciation of OH reactivity above the canopy of an isoprene-dominated forest. *Atmospheric Chemistry and Physics*, **2016**, 16, 9349-9359	6.8	47
102	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	4.4	71
101	Wet scavenging of soluble gases in DC3 deep convective storms using WRF-Chem simulations and aircraft observations. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 4233-4257	4.4	24
100	Atmospheric fates of Criegee intermediates in the ozonolysis of isoprene. *Physical Chemistry Chemical Physics*, **2016**, 18, 10241-54	3.6	130
99	Production and Fate of C4 Dihydroxycarbonyl Compounds from Isoprene Oxidation. *Journal of Physical Chemistry A*, **2016**, 120, 106-17	2.8	30

98	Observational Constraints on the Oxidation of NOx in the Upper Troposphere. *Journal of Physical Chemistry A*, **2016**, 120, 1468-78	2.8	20
97	Speciation of OH reactivity above the canopy of an isoprene-dominated forest **2016**,		2
96	Investigation of a potential HCHO measurement artifact from ISOPOOH. *Atmospheric Measurement Techniques*, **2016**, 9, 4561-4568	4	7
95	Organic nitrate chemistry and its implications for nitrogen budgets in an isoprene- and monoterpene-rich atmosphere: constraints from aircraft (SEAC⁴RS) and ground-based (SOAS) observations in the Southeast US **2016**,		3
94	The Lifetime of Nitrogen Oxides in an Isoprene Dominated Forest **2016**,		1
93	Formation of Low Volatility Organic Compounds and Secondary Organic Aerosol from Isoprene Hydroxyhydroperoxide Low-NO Oxidation. *Environmental Science & Technology*, **2015**, 49, 10330-9	10.3	139
92	Mechanism of the hydroxyl radical oxidation of methacryloyl peroxynitrate (MPAN) and its pathway toward secondary organic aerosol formation in the atmosphere. *Physical Chemistry Chemical Physics* , **2015**, 17, 17914-26	3.6	88
91	Isoprene NO3 Oxidation Products from the RO2 + HO2 Pathway. *Journal of Physical Chemistry A*, **2015**, 119, 10158-71	2.8	72
90	Upper tropospheric ozone production from lightning NOx-impacted convection: Smoke ingestion case study from the DC3 campaign. *Journal of Geophysical Research D: Atmospheres*, **2015**, 120, 2505-2523	4.4	68
89	Hydroxy nitrate production in the OH-initiated oxidation of alkenes. *Atmospheric Chemistry and Physics*, **2015**, 15, 4297-4316	6.8	43
88	Sources, seasonality, and trends of southeast US aerosol: an integrated analysis of surface, aircraft, and satellite observations with the GEOS-Chem chemical transport model. *Atmospheric Chemistry and Physics*, **2015**, 15, 10411-10433	6.8	168
87	Observation of isoprene hydroxynitrates in the southeastern United States and implications for the fate of NO_{<i>x</i>}. *Atmospheric Chemistry and Physics*, **2015**, 15, 11257-11272	6.8	62
86	The Deep Convective Clouds and Chemistry (DC3) Field Campaign. *Bulletin of the American Meteorological Society*, **2015**, 96, 1281-1309	6.1	140
85	Quantifying sources and sinks of reactive gases in the lower atmosphere using airborne flux observations. *Geophysical Research Letters*, **2015**, 42, 8231-8240	4.9	38
84	Rapid deposition of oxidized biogenic compounds to a temperate forest. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, E392-401	11.5	146
83	Airborne measurements of organosulfates over the continental U.S. *Journal of Geophysical Research D: Atmospheres*, **2015**, 120, 2990-3005	4.4	77
82	Atmospheric fate of methyl vinyl ketone: peroxy radical reactions with NO and HO2. *Journal of Physical Chemistry A*, **2015**, 119, 4562-72	2.8	60
81	Gas phase production and loss of isoprene epoxydiols. *Journal of Physical Chemistry A*, **2014**, 118, 1237-46	2.8	125

80	On rates and mechanisms of OH and O3 reactions with isoprene-derived hydroxy nitrates. *Journal of Physical Chemistry A*, **2014**, 118, 1622-37	2.8	88
79	Conversion of hydroperoxides to carbonyls in field and laboratory instrumentation: Observational bias in diagnosing pristine versus anthropogenically controlled atmospheric chemistry. *Geophysical Research Letters*, **2014**, 41, 8645-8651	4.9	83
78	Overview of the Focused Isoprene eXperiment at the California Institute of Technology (FIXCIT): mechanistic chamber studies on the oxidation of biogenic compounds. *Atmospheric Chemistry and Physics*, **2014**, 14, 13531-13549	6.8	50
77	Quantification of hydroxyacetone and glycolaldehyde using chemical ionization mass spectrometry. *Atmospheric Chemistry and Physics*, **2014**, 14, 4251-4262	6.8	15
76	Autoxidation of Organic Compounds in the Atmosphere. *Journal of Physical Chemistry Letters*, **2013**, 4, 3513-3520	6.4	347
75	Observational insights into aerosol formation from isoprene. *Environmental Science & Technology*, **2013**, 47, 11403-13	10.3	95
74	Secondary organic aerosol formation from biomass burning intermediates: phenol and methoxyphenols. *Atmospheric Chemistry and Physics*, **2013**, 13, 8019-8043	6.8	134
73	Ozone and organic nitrates over the eastern United States: Sensitivity to isoprene chemistry. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 11,256-11,268	4.4	182
72	Photolysis, OH reactivity and ozone reactivity of a proxy for isoprene-derived hydroperoxyenals (HPALDs). *Physical Chemistry Chemical Physics*, **2012**, 14, 7276-86	3.6	76
71	Atmospheric fate of methacrolein. 2. Formation of lactone and implications for organic aerosol production. *Journal of Physical Chemistry A*, **2012**, 116, 5763-8	2.8	51
70	Atmospheric fate of methacrolein. 1. Peroxy radical isomerization following addition of OH and O2. *Journal of Physical Chemistry A*, **2012**, 116, 5756-62	2.8	145
69	Analysis of ozone and nitric acid in spring and summer Arctic pollution using aircraft, ground-based, satellite observations and MOZART-4 model: source attribution and partitioning. *Atmospheric Chemistry and Physics*, **2012**, 12, 237-259	6.8	64
68	Impact of the deep convection of isoprene and other reactive trace species on radicals and ozone in the upper troposphere. *Atmospheric Chemistry and Physics*, **2012**, 12, 1135-1150	6.8	30
67	Importance of biogenic precursors to the budget of organic nitrates: observations of multifunctional organic nitrates by CIMS and TD-LIF during BEARPEX 2009. *Atmospheric Chemistry and Physics*, **2012**, 12, 5773-5785	6.8	88
66	Insights into hydroxyl measurements and atmospheric oxidation in a California forest. *Atmospheric Chemistry and Physics*, **2012**, 12, 8009-8020	6.8	175
65	An analysis of fast photochemistry over high northern latitudes during spring and summer using in-situ observations from ARCTAS and TOPSE. *Atmospheric Chemistry and Physics*, **2012**, 12, 6799-6825	6.8	29
64	In situ measurements of tropospheric volcanic plumes in Ecuador and Colombia during TC4. *Journal of Geophysical Research*, **2011**, 116,		33
63	Emission factors for open and domestic biomass burning for use in atmospheric models. *Atmospheric Chemistry and Physics*, **2011**, 11, 4039-4072	6.8	1136

62	The Chemistry of Atmosphere-Forest Exchange (CAFE) Model – Part 2: Application to BEARPEX-2007 observations. *Atmospheric Chemistry and Physics*, **2011**, 11, 1269-1294	6.8	67
61	Comparison of chemical characteristics of 495 biomass burning plumes intercepted by the NASA DC-8 aircraft during the ARCTAS/CARB-2008 field campaign. *Atmospheric Chemistry and Physics*, **2011**, 11, 13325-13337	6.8	86
60	Importance of secondary sources in the atmospheric budgets of formic and acetic acids. *Atmospheric Chemistry and Physics*, **2011**, 11, 1989-2013	6.8	226
59	Peroxy radical isomerization in the oxidation of isoprene. *Physical Chemistry Chemical Physics*, **2011**, 13, 13607-13	3.6	267
58	Chemical ionization tandem mass spectrometer for the in situ measurement of methyl hydrogen peroxide. *Review of Scientific Instruments*, **2010**, 81, 094102	1.7	84
57	Comment on "Unexpected epoxide formation in the gas-phase photooxidation of isoprene". *Science*, **2010**, 327, 644; author reply 644	33.3	1
56	Convective distribution of tropospheric ozone and tracers in the Central American ITCZ region: Evidence from observations during TC4. *Journal of Geophysical Research*, **2010**, 115,		30
55	A regional scale modeling analysis of aerosol and trace gas distributions over the eastern Pacific during the INTEX-B field campaign. *Atmospheric Chemistry and Physics*, **2010**, 10, 2091-2115	6.8	37
54	Measurement of atmospheric nitrous acid at Bodgett Forest during BEARPEX2007. *Atmospheric Chemistry and Physics*, **2010**, 10, 6283-6294	6.8	52
53	Role of aldehyde chemistry and NO_x concentrations in secondary organic aerosol formation. *Atmospheric Chemistry and Physics*, **2010**, 10, 7169-7188	6.8	162
52	Nitrogen oxides and PAN in plumes from boreal fires during ARCTAS-B and their impact on ozone: an integrated analysis of aircraft and satellite observations. *Atmospheric Chemistry and Physics*, **2010**, 10, 9739-9760	6.8	188
51	Investigation of the sources and processing of organic aerosol over the Central Mexican Plateau from aircraft measurements during MILAGRO. *Atmospheric Chemistry and Physics*, **2010**, 10, 5257-5280	6.8	279
50	Chemistry of hydrogen oxide radicals (HO_x) in the Arctic troposphere in spring. *Atmospheric Chemistry and Physics*, **2010**, 10, 5823-5838	6.8	184
49	Long-range pollution transport during the MILAGRO-2006 campaign: a case study of a major Mexico City outflow event using free-floating altitude-controlled balloons. *Atmospheric Chemistry and Physics*, **2010**, 10, 7137-7159	6.8	22
48	Unexpected epoxide formation in the gas-phase photooxidation of isoprene. *Science*, **2009**, 325, 730-3	33.3	726
47	Calculation of conformationally weighted dipole moments useful in ion–molecule collision rate estimates. *Chemical Physics Letters*, **2009**, 474, 45-50	2.5	35
46	Secondary organic aerosol formation from photooxidation of naphthalene and alkylnaphthalenes: implications for oxidation of intermediate volatility organic compounds (IVOCs). *Atmospheric Chemistry and Physics*, **2009**, 9, 3049-3060	6.8	245
45	Inferring ozone production in an urban atmosphere using measurements of peroxynitric acid. *Atmospheric Chemistry and Physics*, **2009**, 9, 3697-3707	6.8	15

44	Airborne observations of total RONO₂: new constraints on the yield and lifetime of isoprene nitrates. *Atmospheric Chemistry and Physics*, **2009**, 9, 1451-1463	6.8	80
43	Isoprene photooxidation: new insights into the production of acids and organic nitrates. *Atmospheric Chemistry and Physics*, **2009**, 9, 1479-1501	6.8	391
42	Biomass burning and urban air pollution over the Central Mexican Plateau. *Atmospheric Chemistry and Physics*, **2009**, 9, 4929-4944	6.8	119
41	Emissions from biomass burning in the Yucatan. *Atmospheric Chemistry and Physics*, **2009**, 9, 5785-5812	6.8	358
40	Observations of heterogeneous reactions between Asian pollution and mineral dust over the Eastern North Pacific during INTEX-B. *Atmospheric Chemistry and Physics*, **2009**, 9, 8283-8308	6.8	89
39	Total observed organic carbon (TOOC) in the atmosphere: a synthesis of North American observations. *Atmospheric Chemistry and Physics*, **2008**, 8, 2007-2025	6.8	81
38	Fast airborne aerosol size and chemistry measurements above Mexico City and Central Mexico during the MILAGRO campaign. *Atmospheric Chemistry and Physics*, **2008**, 8, 4027-4048	6.8	361
37	Secondary organic aerosol (SOA) formation from reaction of isoprene with nitrate radicals (NO₃). *Atmospheric Chemistry and Physics*, **2008**, 8, 4117-4140	6.8	255
36	Direct measurements of the convective recycling of the upper troposphere. *Science*, **2007**, 315, 816-20	33.3	101
35	Emissions from forest fires near Mexico City. *Atmospheric Chemistry and Physics*, **2007**, 7, 5569-5584	6.8	183
34	On the flux of oxygenated volatile organic compounds from organic aerosol oxidation. *Geophysical Research Letters*, **2006**, 33,	4.9	47
33	Measurement of gas-phase hydroperoxides by chemical ionization mass spectrometry. *Analytical Chemistry*, **2006**, 78, 6726-32	7.8	259
32	Near-IR photodissociation of peroxy acetyl nitrate. *Atmospheric Chemistry and Physics*, **2005**, 5, 385-392	6.8	13
31	Constraining remote oxidation capacity with ATom observations		2
30	Correcting model biases of CO in East Asia: impact on oxidant distributions during KORUS-AQ		2
29	Role of aldehyde chemistry and NO_x concentrations in secondary organic aerosol formation		2
28	Nitrogen oxides and PAN in plumes from boreal fires during ARCTAS-B and their impact on ozone: an integrated analysis of aircraft and satellite observations		1
27	Importance of secondary sources in the atmospheric budgets of formic and acetic acids		4

26	Investigation of the sources and processing of organic aerosol over the Central Mexican Plateau from aircraft measurements during MILAGRO	4
25	Emission factors for open and domestic biomass burning for use in atmospheric models	28
24	Measurement of atmospheric nitrous acid at Blodgett Forest during BEARPEX2007	1
23	Comparison of the chemical evolution and characteristics of 495 biomass burning plumes intercepted by the NASA DC-8 aircraft during the ARCTAS/CARB-2008 field campaign	2
22	Quantification of hydroxyacetone and glycolaldehyde using chemical ionization mass spectrometry	6
21	Impact of the deep convection of isoprene and other reactive trace species on radicals and ozone in the upper troposphere	1
20	Importance of biogenic precursors to the budget of organic nitrates during BEARPEX 2009: observations of multifunctional organic nitrates by CIMS and TD-LIF	1
19	Insights into hydroxyl measurements and atmospheric oxidation in a California forest	15
18	Investigation of source attributions of pollution to the Western Arctic during the NASA ARCTAS field campaign	3
17	An analysis of fast photochemistry over high northern latitudes during spring and summer using in-situ observations from ARCTAS and TOPSE	1
16	Secondary organic aerosol formation from biomass burning intermediates: phenol and methoxyphenols	8
15	Overview of the Focused Isoprene eXperiments at California Institute of Technology (FIXCIT): mechanistic chamber studies on the oxidation of biogenic compounds	2
14	Hydroxy nitrate production in the OH-initiated oxidation of alkenes	3
13	Observation of isoprene hydroxynitrates in the Southeastern United States and implications for the fate of NO_{<i>x</i>}	1
12	Total Observed Organic Carbon (TOOC): A synthesis of North American observations	1
11	Fast airborne aerosol size and chemistry measurements with the high resolution aerosol mass spectrometer during the MILAGRO Campaign	9
10	Emissions from forest fires near Mexico City	13
9	Airborne observations of total RONO₂: new constraints on the yield and lifetime of isoprene nitrates	2

8	Isoprene photooxidation mechanism: resonance channels and implications for the production of nitrates and acids	6
7	Secondary organic aerosol (SOA) formation from reaction of isoprene with nitrate radicals (NO₃)	
6	Biomass burning and urban air pollution over the Central Mexican Plateau	13
5	Inferring ozone production in an urban atmosphere using measurements of peroxynitric acid	1
4	Emissions from biomass burning in the Yucatan	3
3	Observations of heterogeneous reactions between Asian pollution and mineral dust over the Eastern North Pacific during INTEX-B	2
2	Trans-Pacific transport and evolution of aerosols and trace gases from Asia during the INTEX-B field campaign	1
1	Long-range pollution transport during the MILAGRO-2006 campaign: a case study of a major Mexico City outflow event using free-floating altitude-controlled balloons	1