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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.

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	Emission factors for open and domestic biomass burning for use in atmospheric models. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 4039-4072	6.8	1136
150	Unexpected epoxide formation in the gas-phase photooxidation of isoprene. <i>Science</i> , 2009 , 325, 730-3	33.3	726
149	Isoprene photooxidation: new insights into the production of acids and organic nitrates. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 1479-1501	6.8	391
148	Fast airborne aerosol size and chemistry measurements above Mexico City and Central Mexico during the MILAGRO campaign. <i>Atmospheric Chemistry and Physics</i> , 2008 , 8, 4027-4048	6.8	361
147	Emissions from biomass burning in the Yucatan. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 5785-5812	6.8	358
146	Autoxidation of Organic Compounds in the Atmosphere. <i>Journal of Physical Chemistry Letters</i> , 2013 , 4, 3513-3520	6.4	347
145	Investigation of the sources and processing of organic aerosol over the Central Mexican Plateau from aircraft measurements during MILAGRO. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 5257-5280	6.8	279
144	Peroxy radical isomerization in the oxidation of isoprene. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 13607-13	3.6	267
143	Highly Oxygenated Organic Molecules (HOM) from Gas-Phase Autoxidation Involving Peroxy Radicals: A Key Contributor to Atmospheric Aerosol. <i>Chemical Reviews</i> , 2019 , 119, 3472-3509	68.1	262
142	Measurement of gas-phase hydroperoxides by chemical ionization mass spectrometry. <i>Analytical Chemistry</i> , 2006 , 78, 6726-32	7.8	259
141	Secondary organic aerosol (SOA) formation from reaction of isoprene with nitrate radicals (NO ₃). <i>Atmospheric Chemistry and Physics</i> , 2008 , 8, 4117-4140	6.8	255
140	Secondary organic aerosol formation from photooxidation of naphthalene and alkylnaphthalenes: implications for oxidation of intermediate volatility organic compounds (IVOCs). <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 3049-3060	6.8	245
139	Why do Models Overestimate Surface Ozone in the Southeastern United States?. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 13561-13577	6.8	239
138	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
137	Gas-Phase Reactions of Isoprene and Its Major Oxidation Products. <i>Chemical Reviews</i> , 2018 , 118, 3337-3380	39.1	211
136	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. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 9739-9760	6.8	188
135	Chemistry of hydrogen oxide radicals (HO _x) in the Arctic troposphere in spring. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 5823-5838	6.8	184

134	Emissions from forest fires near Mexico City. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 5569-5584	6.8	183
133	Ozone and organic nitrates over the eastern United States: Sensitivity to isoprene chemistry. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 11,256-11,268	4.4	182
132	Insights into hydroxyl measurements and atmospheric oxidation in a California forest. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 8009-8020	6.8	175
131	Sources, seasonality, and trends of southeast US aerosol: an integrated analysis of surface, aircraft, and satellite observations with the GEOS-Chem chemical transport model. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 10411-10433	6.8	168
130	Role of aldehyde chemistry and NO _x concentrations in secondary organic aerosol formation. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 7169-7188	6.8	162
129	Rapid deposition of oxidized biogenic compounds to a temperate forest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, E392-401	11.5	146
128	Atmospheric fate of methacrolein. 1. Peroxy radical isomerization following addition of OH and O ₂ . <i>Journal of Physical Chemistry A</i> , 2012 , 116, 5756-62	2.8	145
127	The Deep Convective Clouds and Chemistry (DC3) Field Campaign. <i>Bulletin of the American Meteorological Society</i> , 2015 , 96, 1281-1309	6.1	140
126	Formation of Low Volatility Organic Compounds and Secondary Organic Aerosol from Isoprene Hydroxyhydroperoxide Low-NO Oxidation. <i>Environmental Science & Technology</i> , 2015 , 49, 10330-9	10.3	139
125	Secondary organic aerosol formation from biomass burning intermediates: phenol and methoxyphenols. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 8019-8043	6.8	134
124	Atmospheric fates of Criegee intermediates in the ozonolysis of isoprene. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 10241-54	3.6	130
123	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. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 5969-5991	6.8	129
122	Gas phase production and loss of isoprene epoxydiols. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 1237-46	6.8	125
121	Biomass burning and urban air pollution over the Central Mexican Plateau. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 4929-4944	6.8	119
120	Airborne measurements of western U.S. wildfire emissions: Comparison with prescribed burning and air quality implications. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 6108-6129	4.4	116
119	Atmospheric autoxidation is increasingly important in urban and suburban North America. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 64-69	11.5	101
118	Direct measurements of the convective recycling of the upper troposphere. <i>Science</i> , 2007 , 315, 816-20	33.3	101
117	Observational insights into aerosol formation from isoprene. <i>Environmental Science & Technology</i> , 2013 , 47, 11403-13	10.3	95

116	Observations of heterogeneous reactions between Asian pollution and mineral dust over the Eastern North Pacific during INTEX-B. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 8283-8308	6.8	89
115	Mechanism of the hydroxyl radical oxidation of methacryloyl peroxyxynitrate (MPAN) and its pathway toward secondary organic aerosol formation in the atmosphere. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 17914-26	3.6	88
114	On rates and mechanisms of OH and O ₃ reactions with isoprene-derived hydroxy nitrates. <i>Journal of Physical Chemistry A</i> , 2014 , 118, 1622-37	2.8	88
113	Importance of biogenic precursors to the budget of organic nitrates: observations of multifunctional organic nitrates by CIMS and TD-LIF during BEARPEX 2009. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 5773-5785	6.8	88
112	Comparison of chemical characteristics of 495 biomass burning plumes intercepted by the NASA DC-8 aircraft during the ARCTAS/CARB-2008 field campaign. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 13325-13337	6.8	86
111	Isoprene Peroxy Radical Dynamics. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5367-5377	16.4	85
110	Kinetics and Products of the Reaction of the First-Generation Isoprene Hydroxy Hydroperoxide (ISOPOOH) with OH. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 1441-51	2.8	84
109	Chemical ionization tandem mass spectrometer for the in situ measurement of methyl hydrogen peroxide. <i>Review of Scientific Instruments</i> , 2010 , 81, 094102	1.7	84
108	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> , 2014 , 41, 8645-8651	4.9	83
107	Total observed organic carbon (TOOC) in the atmosphere: a synthesis of North American observations. <i>Atmospheric Chemistry and Physics</i> , 2008 , 8, 2007-2025	6.8	81
106	Airborne observations of total RONO ₂ : new constraints on the yield and lifetime of isoprene nitrates. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 1451-1463	6.8	80
105	Airborne measurements of organosulfates over the continental U.S. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 2990-3005	4.4	77
104	Photolysis, OH reactivity and ozone reactivity of a proxy for isoprene-derived hydroperoxyenals (HPALDs). <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 7276-86	3.6	76
103	Isoprene NO ₃ Oxidation Products from the RO ₂ + HO ₂ Pathway. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 10158-71	2.8	72
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. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 7383-7414	4.4	71
101	Upper tropospheric ozone production from lightning NO _x -impacted convection: Smoke ingestion case study from the DC3 campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 2505-2523	4.4	68
100	The Chemistry of Atmosphere-Forest Exchange (CAFE) Model [Part 2: Application to BEARPEX-2007 observations. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 1269-1294	6.8	67
99	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. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 237-259	6.8	64

98	Observation of isoprene hydroxynitrates in the southeastern United States and implications for the fate of NO ₂ . <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 11257-11272	6.8	62
97	Atmospheric fate of methyl vinyl ketone: peroxy radical reactions with NO and HO ₂ . <i>Journal of Physical Chemistry A</i> , 2015 , 119, 4562-72	2.8	60
96	Measurement of atmospheric nitrous acid at Bodgett Forest during BEARPEX2007. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 6283-6294	6.8	52
95	Atmospheric fate of methacrolein. 2. Formation of lactone and implications for organic aerosol production. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 5763-8	2.8	51
94	Overview of the Focused Isoprene eXperiment at the California Institute of Technology (FIXCIT): mechanistic chamber studies on the oxidation of biogenic compounds. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 13531-13549	6.8	50
93	The lifetime of nitrogen oxides in an isoprene-dominated forest. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 7623-7637	6.8	49
92	Speciation of OH reactivity above the canopy of an isoprene-dominated forest. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 9349-9359	6.8	47
91	On the flux of oxygenated volatile organic compounds from organic aerosol oxidation. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	47
90	Unimolecular Reactions of Peroxy Radicals Formed in the Oxidation of α -Pinene and β -Pinene by Hydroxyl Radicals. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 1661-1674	2.8	43
89	Hydroxy nitrate production in the OH-initiated oxidation of alkenes. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 4297-4316	6.8	43
88	Constraints on Aerosol Nitrate Photolysis as a Potential Source of HONO and NO. <i>Environmental Science & Technology</i> , 2018 , 52, 13738-13746	10.3	43
87	High-resolution inversion of OMI formaldehyde columns to quantify isoprene emission on ecosystem-relevant scales: application to the southeast US. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 5483-5497	6.8	43
86	Mapping hydroxyl variability throughout the global remote troposphere via synthesis of airborne and satellite formaldehyde observations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 11171-11180	11.5	38
85	Quantifying sources and sinks of reactive gases in the lower atmosphere using airborne flux observations. <i>Geophysical Research Letters</i> , 2015 , 42, 8231-8240	4.9	38
84	A regional scale modeling analysis of aerosol and trace gas distributions over the eastern Pacific during the INTEX-B field campaign. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 2091-2115	6.8	37
83	Lightning NO _x Emissions: Reconciling Measured and Modeled Estimates With Updated NO _x Chemistry. <i>Geophysical Research Letters</i> , 2017 , 44, 9479-9488	4.9	36
82	Calculation of conformationally weighted dipole moments useful in ion-molecule collision rate estimates. <i>Chemical Physics Letters</i> , 2009 , 474, 45-50	2.5	35
81	In situ measurements of tropospheric volcanic plumes in Ecuador and Colombia during TC4. <i>Journal of Geophysical Research</i> , 2011 , 116,		33

80	Production and Fate of C4 Dihydroxycarbonyl Compounds from Isoprene Oxidation. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 106-17	2.8	30
79	Convective distribution of tropospheric ozone and tracers in the Central American ITCZ region: Evidence from observations during TC4. <i>Journal of Geophysical Research</i> , 2010 , 115,		30
78	Impact of the deep convection of isoprene and other reactive trace species on radicals and ozone in the upper troposphere. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 1135-1150	6.8	30
77	An analysis of fast photochemistry over high northern latitudes during spring and summer using in-situ observations from ARCTAS and TOPSE. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 6799-6825	6.8	29
76	Atmospheric Acetaldehyde: Importance of Air-Sea Exchange and a Missing Source in the Remote Troposphere. <i>Geophysical Research Letters</i> , 2019 , 46, 5601-5613	4.9	28
75	Emission factors for open and domestic biomass burning for use in atmospheric models		28
74	Impacts of Traffic Reductions Associated With COVID-19 on Southern California Air Quality. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL090164	4.9	27
73	Decadal changes in summertime reactive oxidized nitrogen and surface ozone over the Southeast United States. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 2341-2361	6.8	24
72	Wet scavenging of soluble gases in DC3 deep convective storms using WRF-Chem simulations and aircraft observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 4233-4257	4.4	24
71	Observed NO/NO ₂ Ratios in the Upper Troposphere Imply Errors in NO-NO ₂ -O ₃ Cycling Kinetics or an Unaccounted NO _x Reservoir. <i>Geophysical Research Letters</i> , 2018 , 45, 4466-4474	4.9	24
70	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. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 7137-7159	6.8	22
69	Intramolecular Hydrogen Shift Chemistry of Hydroperoxy-Substituted Peroxy Radicals. <i>Journal of Physical Chemistry A</i> , 2019 , 123, 590-600	2.8	22
68	Convective transport and scavenging of peroxides by thunderstorms observed over the central U.S. during DC3. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 4272-4295	4.4	20
67	Observational Constraints on the Oxidation of NO _x in the Upper Troposphere. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 1468-78	2.8	20
66	Kinetics and Product Yields of the OH Initiated Oxidation of Hydroxymethyl Hydroperoxide. <i>Journal of Physical Chemistry A</i> , 2018 , 122, 6292-6302	2.8	19
65	Constraining remote oxidation capacity with ATom observations. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 7753-7781	6.8	18
64	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. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 17963-17978	6.8	18
63	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

62	Rapid hydrolysis of tertiary isoprene nitrate efficiently removes NO from the atmosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 33011-33016	11.5	15
61	Quantification of hydroxyacetone and glycolaldehyde using chemical ionization mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 4251-4262	6.8	15
60	Inferring ozone production in an urban atmosphere using measurements of peroxyxynitric acid. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 3697-3707	6.8	15
59	Insights into hydroxyl measurements and atmospheric oxidation in a California forest		15
58	Stereoselectivity in Atmospheric Autoxidation. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6260-6266	6.4	14
57	New Insights into the Radical Chemistry and Product Distribution in the OH-Initiated Oxidation of Benzene. <i>Environmental Science & Technology</i> , 2020 , 54, 13467-13477	10.3	14
56	Low-pressure gas chromatography with chemical ionization mass spectrometry for quantification of multifunctional organic compounds in the atmosphere. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 6815-6832	4	14
55	Missing OH reactivity in the global marine boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 4013-4029	6.8	13
54	Near-IR photodissociation of peroxy acetyl nitrate. <i>Atmospheric Chemistry and Physics</i> , 2005 , 5, 385-392	6.8	13
53	Correcting model biases of CO in East Asia: impact on oxidant distributions during KORUS-AQ. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 14617-14647	6.8	13
52	Emissions from forest fires near Mexico City		13
51	Biomass burning and urban air pollution over the Central Mexican Plateau		13
50	Exploring Oxidation in the Remote Free Troposphere: Insights From Atmospheric Tomography (ATom). <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD031685	4.4	11
49	Fast airborne aerosol size and chemistry measurements with the high resolution aerosol mass spectrometer during the MILAGRO Campaign		9
48	NO _x emissions, isoprene oxidation pathways, vertical mixing, and implications for surface ozone in the Southeast United States 2016 ,		8
47	Secondary organic aerosol formation from biomass burning intermediates: phenol and methoxyphenols		8
46	Secondary organic aerosol (SOA) formation from reaction of isoprene with nitrate radicals (NO ₃)		
45	Chemical transport models often underestimate inorganic aerosol acidity in remote regions of the atmosphere. <i>Communications Earth & Environment</i> , 2021 , 2,	6.1	7

44	Investigation of a potential HCHO measurement artifact from ISOPOOH. <i>Atmospheric Measurement Techniques</i> , 2016 , 9, 4561-4568	4	7
43	Ozone chemistry in western U.S. wildfire plumes. <i>Science Advances</i> , 2021 , 7, eabl3648	14.3	6
42	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. <i>Elementa</i> , 2020 , 8,	3.6	6
41	THE NASA ATMOSPHERIC TOMOGRAPHY (ATom) MISSION: Imaging the Chemistry of the Global Atmosphere. <i>Bulletin of the American Meteorological Society</i> , 2021 , 1-53	6.1	6
40	Quantification of hydroxyacetone and glycolaldehyde using chemical ionization mass spectrometry		6
39	Isoprene photooxidation mechanism: resonance channels and implications for the production of nitrates and acids		6
38	Large contribution of biomass burning emissions to ozone throughout the global remote troposphere.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	6
37	Importance of secondary sources in the atmospheric budgets of formic and acetic acids		4
36	Investigation of the sources and processing of organic aerosol over the Central Mexican Plateau from aircraft measurements during MILAGRO		4
35	Hydrotrioxide (ROOOH) formation in the atmosphere. <i>Science</i> , 2022 , 376, 979-982	33.3	4
34	Investigation of source attributions of pollution to the Western Arctic during the NASA ARCTAS field campaign		3
33	Hydroxy nitrate production in the OH-initiated oxidation of alkenes		3
32	Emissions from biomass burning in the Yucatan		3
31	Hydroxymethanesulfonate (HMS) Formation during Summertime Fog in an Arctic Oil Field. <i>Environmental Science and Technology Letters</i> , 2021 , 8, 511-518	11	3
30	Organic nitrate chemistry and its implications for nitrogen budgets in an isoprene- and monoterpene-rich atmosphere: constraints from aircraft (SEAC ⁴ RS) and ground-based (SOAS) observations in the Southeast US 2016 ,		3
29	Impact of stratospheric air and surface emissions on tropospheric nitrous oxide during ATom. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 11113-11132	6.8	3
28	Constraining remote oxidation capacity with ATom observations		2
27	Correcting model biases of CO in East Asia: impact on oxidant distributions during KORUS-AQ		2

26	Role of aldehyde chemistry and NO _x concentrations in secondary organic aerosol formation		2
25	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
24	Overview of the Focused Isoprene eXperiments at California Institute of Technology (FIXCIT): mechanistic chamber studies on the oxidation of biogenic compounds		2
23	Airborne observations of total RONO ₂ : new constraints on the yield and lifetime of isoprene nitrates		2
22	Observations of heterogeneous reactions between Asian pollution and mineral dust over the Eastern North Pacific during INTEX-B		2
21	Improvements to a laser-induced fluorescence instrument for measuring SO ₂ : Impact on accuracy and precision. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 2429-2439	4	2
20	HCOOH in the remote atmosphere: Constraints from Atmospheric Tomography (ATom) airborne observations. <i>ACS Earth and Space Chemistry</i> , 2021 , 5, 1436-1454	3.2	2
19	Speciation of OH reactivity above the canopy of an isoprene-dominated forest 2016 ,		2
18	Photochemical evolution of the 2013 California Rim Fire: synergistic impacts of reactive hydrocarbons and enhanced oxidants. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 4253-4275	6.8	2
17	Vertical Transport, Entrainment, and Scavenging Processes Affecting Trace Gases in a Modeled and Observed SEAC4RS Case Study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD031957	4.4	1
16	High-resolution inversion of OMI formaldehyde columns to quantify isoprene emission on ecosystem-relevant scales: application to the Southeast US 2017 ,		1
15	Comment on "Unexpected epoxide formation in the gas-phase photooxidation of isoprene". <i>Science</i> , 2010 , 327, 644; author reply 644	33.3	1
14	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
13	Measurement of atmospheric nitrous acid at Blodgett Forest during BEARPEX2007		1
12	Impact of the deep convection of isoprene and other reactive trace species on radicals and ozone in the upper troposphere		1
11	Importance of biogenic precursors to the budget of organic nitrates during BEARPEX 2009: observations of multifunctional organic nitrates by CIMS and TD-LIF		1
10	An analysis of fast photochemistry over high northern latitudes during spring and summer using in-situ observations from ARCTAS and TOPSE		1
9	Observation of isoprene hydroxynitrates in the Southeastern United States and implications for the fate of NO _x ;		1

8	Total Observed Organic Carbon (TOOC): A synthesis of North American observations		1
7	Inferring ozone production in an urban atmosphere using measurements of peroxyacetic acid		1
6	FORest Canopy Atmosphere Transfer (FORCAST) 2.0: model updates and evaluation with observations at a mixed forest site. <i>Geoscientific Model Development</i> , 2021 , 14, 6309-6329	6.3	1
5	Trans-Pacific transport and evolution of aerosols and trace gases from Asia during the INTEX-B field campaign		1
4	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
3	Fine particle pH and sensitivity to NH_3 and HNO_3 over summertime South Korea during KORUS-AQ 2020 ,		1
2	The Lifetime of Nitrogen Oxides in an Isoprene Dominated Forest 2016 ,		1
1	Heterogeneity and chemical reactivity of the remote troposphere defined by aircraft measurements. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 13729-13746	6.8	1