Douglas A Day

List of Publications by Citations

168 papers	8,462 citations	51 h-index	88 g-index
232 ext. papers	10,030 ext. citations	6.7 avg, IF	5.46 L-index

#	Paper	IF	Citations
168	Effects of aging on organic aerosol from open biomass burning smoke in aircraft and laboratory studies. *Atmospheric Chemistry and Physics*, **2011**, 11, 12049-12064	6.8	418
167	Elucidating secondary organic aerosol from diesel and gasoline vehicles through detailed characterization of organic carbon emissions. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 18318-23	11.5	322
166	High concentrations of biological aerosol particles and ice nuclei during and after rain. *Atmospheric Chemistry and Physics*, **2013**, 13, 6151-6164	6.8	268
165	Organic aerosol components derived from 25 AMS data sets across Europe using a consistent ME-2 based source apportionment approach. *Atmospheric Chemistry and Physics*, **2014**, 14, 6159-6176	6.8	232
164	Review of Urban Secondary Organic Aerosol Formation from Gasoline and Diesel Motor Vehicle Emissions. *Environmental Science & Technology*, **2017**, 51, 1074-1093	10.3	229
163	A thermal dissociation laser-induced fluorescence instrument for in situ detection of NO2, peroxy nitrates, alkyl nitrates, and HNO3. *Journal of Geophysical Research*, **2002**, 107, ACH 4-1-ACH 4-14		209
162	Nitrate radicals and biogenic volatile organic compounds: oxidation, mechanisms, and organic aerosol. *Atmospheric Chemistry and Physics*, **2017**, 17, 2103-2162	6.8	206
161	Evolution of brown carbon in wildfire plumes. *Geophysical Research Letters*, **2015**, 42, 4623-4630	4.9	206
160	Evidence for NO(x) control over nighttime SOA formation. *Science*, **2012**, 337, 1210-2	33.3	200
159	Aqueous-phase mechanism for secondary organic aerosol formation from isoprene: application to the Southeast United States and co-benefit of SO emission controls. *Atmospheric Chemistry and Physics*, **2016**, 16, 1603-1618	6.8	197
158	Highly functionalized organic nitrates in the southeast United States: Contribution to secondary organic aerosol and reactive nitrogen budgets. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 1516-21	11.5	195
157	Secondary organic aerosol formation and primary organic aerosol oxidation from biomass-burning smoke in a flow reactor during FLAME-3. *Atmospheric Chemistry and Physics*, **2013**, 13, 11551-11571	6.8	186
156	Characterization of a real-time tracer for isoprene epoxydiols-derived secondary organic aerosol (IEPOX-SOA) from aerosol mass spectrometer measurements. *Atmospheric Chemistry and Physics*, **2015**, 15, 11807-11833	6.8	159
155	The Deep Convective Clouds and Chemistry (DC3) Field Campaign. *Bulletin of the American Meteorological Society*, **2015**, 96, 1281-1309	6.1	140
154	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
153	Fossil versus contemporary sources of fine elemental and organic carbonaceous particulate matter during the DAURE campaign in Northeast Spain. *Atmospheric Chemistry and Physics*, **2011**, 11, 12067-12084	6.8	133
152	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

151	The weekend effect within and downwind of Sacramento Part 1: Observations of ozone, nitrogen oxides, and VOC reactivity. *Atmospheric Chemistry and Physics*, **2007**, 7, 5327-5339	6.8	125
150	Observations of gas- and aerosol-phase organic nitrates at BEACHON-RoMBAS 2011. *Atmospheric Chemistry and Physics*, **2013**, 13, 8585-8605	6.8	123
149	Organonitrate group concentrations in submicron particles with high nitrate and organic fractions in coastal southern California. *Atmospheric Environment*, **2010**, 44, 1970-1979	5.3	120
148	Ubiquity of organic nitrates from nighttime chemistry in the European submicron aerosol. *Geophysical Research Letters*, **2016**, 43, 7735-7744	4.9	119
147	Monoterpenes are the largest source of summertime organic aerosol in the southeastern United States. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 2038-2043	11.5	117
146	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
145	Organosulfates as tracers for secondary organic aerosol (SOA) formation from 2-methyl-3-buten-2-ol (MBO) in the atmosphere. *Environmental Science & Technology*, **2012**, 46, 9437-46	10.3	109
144	Modeling the radical chemistry in an oxidation flow reactor: radical formation and recycling, sensitivities, and the OH exposure estimation equation. *Journal of Physical Chemistry A*, **2015**, 119, 4418-32	2.8	104
143	On alkyl nitrates, O3, and the missing NOy *Journal of Geophysical Research*, **2003**, 108,		100
142	In situ secondary organic aerosol formation from ambient pine forest air using an oxidation flow reactor. *Atmospheric Chemistry and Physics*, **2016**, 16, 2943-2970	6.8	98
141	Real-time measurements of secondary organic aerosol formation and aging from ambient air in an oxidation flow reactor in the Los Angeles area. *Atmospheric Chemistry and Physics*, **2016**, 16, 7411-7433	6.8	97
140	The Green Ocean Amazon Experiment (GoAmazon2014/5) Observes Pollution Affecting Gases, Aerosols, Clouds, and Rainfall over the Rain Forest. *Bulletin of the American Meteorological Society*, **2017**, 98, 981-997	6.1	94
139	HO_x radical chemistry in oxidation flow reactors with low-pressure mercury lamps systematically examined by modeling. *Atmospheric Measurement Techniques*, **2015**, 8, 4863-4890	4	93
138	Non-OH chemistry in oxidation flow reactors for the study of atmospheric chemistry systematically examined by modeling. *Atmospheric Chemistry and Physics*, **2016**, 16, 4283-4305	6.8	90
137	Organic nitrate aerosol formation via NO₃ + biogenic volatile organic compounds in the southeastern United States. *Atmospheric Chemistry and Physics*, **2015**, 15, 13377-13392	6.8	90
136	Impact of Thermal Decomposition on Thermal Desorption Instruments: Advantage of Thermogram Analysis for Quantifying Volatility Distributions of Organic Species. *Environmental Science & Technology*, **2017**, 51, 8491-8500	10.3	78
135	Airborne measurements of organosulfates over the continental U.S. *Journal of Geophysical Research D: Atmospheres*, **2015**, 120, 2990-3005	4.4	77
134	Semicontinuous measurements of gas particle partitioning of organic acids in a ponderosa pine forest using a MOVI-HRToF-CIMS. *Atmospheric Chemistry and Physics*, **2014**, 14, 1527-1546	6.8	76

133	Brown carbon aerosol in the North American continental troposphere: sources, abundance, and radiative forcing. *Atmospheric Chemistry and Physics*, **2015**, 15, 7841-7858	6.8	74
132	Aerosol optical properties in the southeastern United States in summer Part 1: Hygroscopic growth. *Atmospheric Chemistry and Physics*, **2016**, 16, 4987-5007	6.8	71
131	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
130	Observations of total alkyl nitrates during Texas Air Quality Study 2000: Implications for O3 and alkyl nitrate photochemistry. *Journal of Geophysical Research*, **2004**, 109,		71
129	Secondary organic aerosol production from local emissions dominates the organic aerosol budget over Seoul, South Korea, during KORUS-AQ. *Atmospheric Chemistry and Physics*, **2018**, 18, 17769-17800	6.8	71
128	Observations of the diurnal and seasonal trends in nitrogen oxides in the western Sierra Nevada. *Atmospheric Chemistry and Physics*, **2006**, 6, 5321-5338	6.8	67
127	Trends in sulfate and organic aerosol mass in the Southeast U.S.: Impact on aerosol optical depth and radiative forcing. *Geophysical Research Letters*, **2014**, 41, 7701-7709	4.9	66
126	Secondary organic aerosol formation from fossil fuel sources contribute majority of summertime organic mass at Bakersfield. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		62
125	Global airborne sampling reveals a previously unobserved dimethyl sulfide oxidation mechanism in the marine atmosphere. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 4505-4510	11.5	61
124	Volatility and lifetime against OH heterogeneous reaction of ambient isoprene-epoxydiols-derived secondary organic aerosol (IEPOX-SOA). *Atmospheric Chemistry and Physics*, **2016**, 16, 11563-11580	6.8	60
123	Sources and Secondary Production of Organic Aerosols in the Northeastern United States during WINTER. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 7771-7796	4.4	57
122	Direct N₂O₅ reactivity measurements at a polluted coastal site. *Atmospheric Chemistry and Physics*, **2012**, 12, 2959-2968	6.8	56
121	Ambient Gas-Particle Partitioning of Tracers for Biogenic Oxidation. *Environmental Science & Technology*, **2016**, 50, 9952-62	10.3	54
120	Long-term real-time chemical characterization of submicron aerosols at Montsec (southern Pyrenees, 1570 m a.s.l.). *Atmospheric Chemistry and Physics*, **2015**, 15, 2935-2951	6.8	54
119	Airborne characterization of subsaturated aerosol hygroscopicity and dry refractive index from the surface to 6.5 km during the SEAC4RS campaign. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 4188-4210	4.4	52
118	Size-resolved aerosol composition and its link to hygroscopicity at a forested site in Colorado. *Atmospheric Chemistry and Physics*, **2014**, 14, 2657-2667	6.8	52
117	Overview of the Manitou Experimental Forest Observatory: site description and selected science results from 2008 to 2013. *Atmospheric Chemistry and Physics*, **2014**, 14, 6345-6367	6.8	51
116	Evaluation of the new capture vaporizer for aerosol mass spectrometers (AMS) through field studies of inorganic species. *Aerosol Science and Technology*, **2017**, 51, 735-754	3.4	49

115	Comprehensive characterization of atmospheric organic carbon at a forested site. *Nature Geoscience*, **2017**, 10, 748-753	18.3	49
114	Secondary organic aerosol formation from ambient air in an oxidation flow reactor in central Amazonia. *Atmospheric Chemistry and Physics*, **2018**, 18, 467-493	6.8	49
113	Ozone-driven daytime formation of secondary organic aerosol containing carboxylic acid groups and alkane groups. *Atmospheric Chemistry and Physics*, **2011**, 11, 8321-8341	6.8	49
112	Formation and growth of ultrafine particles from secondary sources in Bakersfield, California. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		48
111	Time-Resolved Measurements of Indoor Chemical Emissions, Deposition, and Reactions in a University Art Museum. *Environmental Science & Technology*, **2019**, 53, 4794-4802	10.3	47
110	Insights into secondary organic aerosol formation mechanisms from measured gas/particle partitioning of specific organic tracer compounds. *Environmental Science & Technology*, **2013**, 47, 3781-7	10.3	47
109	CCN activity and organic hygroscopicity of aerosols downwind of an urban region in central Amazonia: seasonal and diel variations and impact of anthropogenic emissions. *Atmospheric Chemistry and Physics*, **2017**, 17, 11779-11801	6.8	47
108	Secondary organic aerosol formation from in situ OH, O₃, and NO₃ oxidation of ambient forest air in an oxidation flow reactor. *Atmospheric Chemistry and Physics*, **2017**, 17, 5331-5354	6.8	46
107	In situ vertical profiles of aerosol extinction, mass, and composition over the southeast United States during SENEX and SEAC⁴RS: observations of a modest aerosol enhancement aloft. *Atmospheric Chemistry and Physics*, **2015**, 15, 7085-7102	6.8	46
106	Measurements of delays of gas-phase compounds in a wide variety of tubing materials due to gas–wall interactions. *Atmospheric Measurement Techniques*, **2019**, 12, 3453-3461	4	44
105	Molecular marker characterization of the organic composition of submicron aerosols from Mediterranean urban and rural environments under contrasting meteorological conditions. *Atmospheric Environment*, **2012**, 61, 482-489	5.3	44
104	Gas/particle partitioning of total alkyl nitrates observed with TD-LIF in Bakersfield. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 6651-6662	4.4	44
103	Measurements of the sum of HO₂NO₂ and CH₃O₂NO₂ in the remote troposphere. *Atmospheric Chemistry and Physics*, **2004**, 4, 377-384	6.8	43
102	Influence of urban pollution on the production of organic particulate matter from isoprene epoxydiols in central Amazonia. *Atmospheric Chemistry and Physics*, **2017**, 17, 6611-6629	6.8	40
101	Evaluation of the new capture vapourizer for aerosol mass spectrometers (AMS) through laboratory studies of inorganic species. *Atmospheric Measurement Techniques*, **2017**, 10, 2897-2921	4	39
100	Observations of NO_x, PNs, ANs, and HNO₃ at a Rural Site in the California Sierra Nevada Mountains: summertime diurnal cycles. *Atmospheric Chemistry and Physics*, **2009**, 9, 4879-4896	6.8	39
99	Characterization of organic aerosol across the global remote troposphere: a comparison of ATom measurements and global chemistry models. *Atmospheric Chemistry and Physics*, **2020**, 20, 4607-4635	6.8	38
98	Characterization of particle cloud droplet activity and composition in the free troposphere and the boundary layer during INTEX-B. *Atmospheric Chemistry and Physics*, **2010**, 10, 6627-6644	6.8	38

97	Estimating the contribution of organic acids to northern hemispheric continental organic aerosol. *Geophysical Research Letters*, **2015**, 42, 6084-6090	4.9	36
96	Laboratory studies on secondary organic aerosol formation from crude oil vapors. *Environmental Science & Technology*, **2013**, 47, 12566-74	10.3	36
95	Observations of total alkyl nitrates within the Sacramento Urban Plume		35
94	Aerosol optical properties in the southeastern United States in summer – Part 2: Sensitivity of aerosol optical depth to relative humidity and aerosol parameters. *Atmospheric Chemistry and Physics*, **2016**, 16, 5009-5019	6.8	33
93	Effects of sources and meteorology on particulate matter in the Western Mediterranean Basin: An overview of the DAURE campaign. *Journal of Geophysical Research D: Atmospheres*, **2014**, 119, 4978-5010	4.4	33
92	NOx Lifetime and NOy Partitioning During WINTER. *Journal of Geophysical Research D: Atmospheres* , **2018**, 123, 9813-9827	4.4	32
91	Direct Measurements of Gas/Particle Partitioning and Mass Accommodation Coefficients in Environmental Chambers. *Environmental Science & Technology*, **2017**, 51, 11867-11875	10.3	32
90	Organosulfates in aerosols downwind of an urban region in central Amazon. *Environmental Sciences: Processes and Impacts*, **2018**, 20, 1546-1558	4.3	32
89	Nitrogen Oxides Emissions, Chemistry, Deposition, and Export Over the Northeast United States During the WINTER Aircraft Campaign. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 12,368	4.4	32
88	Field intercomparison of the gas/particle partitioning of oxygenated organics during the Southern Oxidant and Aerosol Study (SOAS) in 2013. *Aerosol Science and Technology*, **2017**, 51, 30-56	3.4	31
87	Observations of the effects of temperature on atmospheric HNO₃, ΣANs, ΣPNs, and NO_x: evidence for a temperature-dependent HO_x source. *Atmospheric Chemistry and Physics*, **2008**, 8, 1867-1879	6.8	31
86	Secondary organic aerosol (SOA) yields from NO₃ radical + isoprene based on nighttime aircraft power plant plume transects. *Atmospheric Chemistry and Physics*, **2018**, 18, 11663-11682	6.8	30
85	Direct measurements of semi-volatile organic compound dynamics show near-unity mass accommodation coefficients for diverse aerosols. *Communications Chemistry*, **2019**, 2,	6.3	29
84	Observations of sesquiterpenes and their oxidation products in central Amazonia during the wet and dry seasons. *Atmospheric Chemistry and Physics*, **2018**, 18, 10433-10457	6.8	29
83	The weekend effect within and downwind of Sacramento: Part 2. Observational evidence for chemical and dynamical contributions		27
82	Effects of gas–wall interactions on measurements of semivolatile compounds and small polar molecules. *Atmospheric Measurement Techniques*, **2019**, 12, 3137-3149	4	26
81	Speciated measurements of semivolatile and intermediate volatility organic compounds (S/IVOCs) in a pine forest during BEACHON-RoMBAS 2011. *Atmospheric Chemistry and Physics*, **2016**, 16, 1187-1205	6.8	25
80	Model Evaluation of New Techniques for Maintaining High-NO Conditions in Oxidation Flow Reactors for the Study of OH-Initiated Atmospheric Chemistry. *ACS Earth and Space Chemistry*, **2018** , 2, 72-86	3.2	23

79	Follow the Carbon: Isotopic Labeling Studies of Early Earth Aerosol. *Astrobiology*, **2016**, 16, 822-830	3.7	23
78	Urban influence on the concentration and composition of submicron particulate matter in central Amazonia. *Atmospheric Chemistry and Physics*, **2018**, 18, 12185-12206	6.8	22
77	Carbon monoxide and chromophoric dissolved organic matter cycles in the shelf waters of the northern California upwelling system. *Journal of Geophysical Research*, **2009**, 114,		22
76	Sources of organic aerosol investigated using organic compounds as tracers measured during CalNex in Bakersfield. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 11,388-11,398	4.4	21
75	Organic composition of single and submicron particles in different regions of western North America and the eastern Pacific during INTEX-B 2006. *Atmospheric Chemistry and Physics*, **2009**, 9, 5433-5446	6.8	21
74	Observational Constraints on the Oxidation of NOx in the Upper Troposphere. *Journal of Physical Chemistry A*, **2016**, 120, 1468-78	2.8	20
73	Budgets of Organic Carbon Composition and Oxidation in Indoor Air. *Environmental Science & Technology*, **2019**, 53, 13053-13063	10.3	20
72	Anthropogenic control over wintertime oxidation of atmospheric pollutants. *Geophysical Research Letters*, **2019**, 46, 14826-14835	4.9	20
71	Contributions of biomass-burning, urban, and biogenic emissions to the concentrations and light-absorbing properties of particulate matter in central Amazonia during the dry season. *Atmospheric Chemistry and Physics*, **2019**, 19, 7973-8001	6.8	19
70	Evaluation of the new capture vaporizer for aerosol mass spectrometers: Characterization of organic aerosol mass spectra. *Aerosol Science and Technology*, **2018**, 52, 725-739	3.4	17
69	Predictions of the glass transition temperature and viscosity of organic aerosols from volatility distributions. *Atmospheric Chemistry and Physics*, **2020**, 20, 8103-8122	6.8	17
68	Quantification and source characterization of volatile organic compounds from exercising and application of chlorine-based cleaning products in a university athletic center. *Indoor Air*, **2021**, 31, 1323-1339	5.4	16
67	Wintertime Gas-Particle Partitioning and Speciation of Inorganic Chlorine in the Lower Troposphere Over the Northeast United States and Coastal Ocean. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 12,897	4.4	16
66	Real-time organic aerosol chemical speciation in the indoor environment using extractive electrospray ionization mass spectrometry. *Indoor Air*, **2021**, 31, 141-155	5.4	15
65	Evaluation of the New Capture Vaporizer for Aerosol Mass Spectrometers (AMS): Elemental Composition and Source Apportionment of Organic Aerosols (OA). *ACS Earth and Space Chemistry*, **2018**, 2, 410-421	3.2	14
64	Natural and Anthropogenically Influenced Isoprene Oxidation in Southeastern United States and Central Amazon. *Environmental Science & Technology*, **2020**, 54, 5980-5991	10.3	13
63	High concentrations of biological aerosol particles and ice nuclei during and after rain		13
62	Always Lost but Never Forgotten: Gas-Phase Wall Losses Are Important in All Teflon Environmental Chambers. *Environmental Science & Technology*, **2020**, 54, 12890-12897	10.3	13

61	The importance of size ranges in aerosol instrument intercomparisons: a case study for the Atmospheric Tomography Mission. *Atmospheric Measurement Techniques*, **2021**, 14, 3631-3655	4	12
60	Secondary organic aerosols from anthropogenic volatile organic compounds contribute substantially to air pollution mortality. *Atmospheric Chemistry and Physics*, **2021**, 21, 11201-11224	6.8	12
59	Autoxidation of Limonene Emitted in a University Art Museum. *Environmental Science and Technology Letters*, **2019**, 6, 520-524	11	11
58	Organic aerosol components derived from 25 AMS datasets across Europe using a newly developed ME-2 based source apportionment strategy		10
57	Characterization of a real-time tracer for Isoprene Epoxydiols-derived Secondary Organic Aerosol (IEPOX-SOA) from aerosol mass spectrometer measurements		10
56	Real-time measurements of secondary organic aerosol formation and aging from ambient air in an oxidation flow reactor in the Los Angeles area		10
55	Constraining nucleation, condensation, and chemistry in oxidation flow reactors using size-distribution measurements and aerosol microphysical modeling. *Atmospheric Chemistry and Physics*, **2018**, 18, 12433-12460	6.8	10
54	Contrasting aerosol refractive index and hygroscopicity in the inflow and outflow of deep convective storms: Analysis of airborne data from DC3. *Journal of Geophysical Research D: Atmospheres*, **2017**, 122, 4565-4577	4.4	9
53	Elemental analysis of complex organic aerosol using isotopic labeling and unit-resolution mass spectrometry. *Analytical Chemistry*, **2015**, 87, 2741-7	7.8	9
52	Quantification of cooking organic aerosol in the indoor environment using aerodyne aerosol mass spectrometers. *Aerosol Science and Technology*, **2021**, 55, 1099-1114	3.4	9
51	The optical and chemical properties of discharge generated organic haze using in-situ real-time techniques. *Icarus*, **2017**, 294, 1-13	3.8	8
50	Observations of gas- and aerosol-phase organic nitrates at BEACHON-RoMBAS 2011		8
49	Overview of the Manitou Experimental Forest Observatory: site description and selected science results from 2008–2013		8
48	The weekend effect within and downwind of Sacramento: Part 1. Observations of ozone, nitrogen oxides, and VOC reactivity		8
47	EURODELTA III exercise: An evaluation of air quality models' capacity to reproduce the carbonaceous aerosol. *Atmospheric Environment: X*, **2019**, 2, 100018	2.8	7
46	Ambient Quantification and Size Distributions for Organic Aerosol in Aerosol Mass Spectrometers with the New Capture Vaporizer. *ACS Earth and Space Chemistry*, **2020**, 4, 676-689	3.2	7
45	Chemical transport models often underestimate inorganic aerosol acidity in remote regions of the atmosphere. *Communications Earth & Environment*, **2021**, 2,	6.1	7
44	Large Emissions of Low-Volatility Siloxanes during Residential Oven Use. *Environmental Science and Technology Letters*, **2021**, 8, 519-524	11	7

43	An in situ gas chromatograph with automatic detector switching between PTR- and EI-TOF-MS: isomer-resolved measurements of indoor air. *Atmospheric Measurement Techniques*, **2021**, 14, 133-152	4	7
42	Aerosol optical properties in the southeastern United States in summer Part 2: Sensitivity of aerosol optical depth to relative humidity and aerosol parameters		6
41	Aqueous-phase mechanism for secondary organic aerosol formation from isoprene: application to the Southeast United States and co-benefit of SO₂ emission controls		6
40	The Importance of Size Ranges in Aerosol Instrument Intercomparisons: A Case Study for the ATom Mission		6
39	Aerosol pH indicator and organosulfate detectability from aerosol mass spectrometry measurements. *Atmospheric Measurement Techniques*, **2021**, 14, 2237-2260	4	6
38	Airborne extractive electrospray mass spectrometry measurements of the chemical composition of organic aerosol. *Atmospheric Measurement Techniques*, **2021**, 14, 1545-1559	4	6
37	HO_{<i>x</i>} radical chemistry in oxidation flow reactors with low-pressure mercury lamps systematically examined by modeling **2015**,		5
36	Organic nitrate aerosol formation via NO₃ + BVOC in the Southeastern US		5
35	Aerosol optical properties in the southeastern United States in summer Part 1: Hygroscopic growth		5
34	Brown carbon aerosol in the North American continental troposphere: sources, abundance, and radiative forcing		5
33	Laser Ablation-Aerosol Mass Spectrometry-Chemical Ionization Mass Spectrometry for Ambient Surface Imaging. *Analytical Chemistry*, **2018**, 90, 4046-4053	7.8	4
32	Secondary organic aerosol formation and primary organic aerosol oxidation from biomass burning smoke in a flow reactor during FLAME-3		4
31	Non-OH chemistry in oxidation flow reactors for the study of atmospheric chemistry systematically examined by modeling		4
30	In situ secondary organic aerosol formation from ambient pine forest air using an oxidation flow reactor		4
29	Observations of the effects of temperature on atmospheric HNO₃, ANs, PNs, and NO_x: evidence for a temperature dependent HO_x source		4
28	Ambient aerosol properties in the remote atmosphere from global-scale in situ measurements. *Atmospheric Chemistry and Physics*, **2021**, 21, 15023-15063	6.8	4
27	Influence of urban pollution on the production of organic particulate matter from isoprene epoxydiols in central Amazonia **2016**,		3
26	Ozone-driven photochemical formation of carboxylic acid groups from alkane groups		3

25	Speciated measurements of semivolatile and intermediate volatility organic compounds (S/IVOCs) in a pine forest during BEACHON-RoMBAS 2011		3
24	Interferences with aerosol acidity quantification due to gas-phase ammonia uptake onto acidic sulfate filter samples. *Atmospheric Measurement Techniques*, **2020**, 13, 6193-6213	4	3
23	Nitrate radicals and biogenic volatile organic compounds: oxidation, mechanisms and organic aerosol **2016**,		3
22	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
21	Oxidation Flow Reactor Results in a Chinese Megacity Emphasize the Important Contribution of S/IVOCs to Ambient SOA Formation.. *Environmental Science & Technology*, **2021**,	10.3	3
20	A systematic re-evaluation of methods for quantification of bulk particle-phase organic nitrates using real-time aerosol mass spectrometry. *Atmospheric Measurement Techniques*, **2022**, 15, 459-483	4	2
19	Field observational constraints on the controllers in glyoxal (CHOCHO) reactive uptake to aerosol. *Atmospheric Chemistry and Physics*, **2022**, 22, 805-821	6.8	2
18	Observations of sesquiterpenes and their oxidation products in central Amazonia during the wet and dry seasons. *Atmospheric Chemistry and Physics*, **2018**, 18, 10433-10457	6.8	2
17	Anthropogenic Secondary Organic Aerosols Contribute Substantially to Air Pollution Mortality		2
16	Semi-continuous measurements of gas/particle partitioning of organic acids in a ponderosa pine forest using a MOVI-HRToF-CIMS		2
15	A thermal-dissociation cavity ring-down spectrometer (TD-CRDS) for the detection of organic nitrates in gas and particle phases. *Atmospheric Measurement Techniques*, **2020**, 13, 6255-6269	4	2
14	Evaluation of the new capture vaporizer for Aerosol Mass Spectrometers (AMS) through laboratory studies of inorganic species		2
13	Effects of Gas-Wall Interactions on Measurements of Semivolatile Compounds and Small Polar Molecules		2
12	Characterization of Organic Aerosol across the Global Remote Troposphere: A comparison of ATom measurements and global chemistry models **2019**,		1
11	Predictions of the glass transition temperature and viscosity of organic aerosols by volatility distributions **2020**,		1
10	Secondary organic aerosol formation from in situ OH, O₃, and NO₃ oxidation of ambient forest air in an oxidation flow reactor **2017**,		1
9	Characterization of particle cloud droplet activity and composition in the free troposphere and the boundary layer during INTEX-B		1
8	In situ vertical profiles of aerosol extinction, mass, and composition over the southeast United States during SENEX and SEAC⁴RS: observations of a modest aerosol enhancement aloft		1

7	Long-term real-time chemical characterization of submicron aerosols at Montsec (Southern Pyrenees, 1570 m a.s.l.)		1
6	Observations of NO_x, PNs, ANs, and HNO₃ at a rural site in the California Sierra Nevada Mountains: summertime diurnal cycles		1
5	Urban influence on the concentration and composition of submicron particulate matter in central Amazonia **2018**,		1
4	Observations of sesquiterpenes and their oxidation products in central Amazonia during the wet and dry seasons **2018**,		1
3	Contribution of Organic Nitrates to Organic Aerosol over South Korea during KORUS-AQ. *Environmental Science & Technology*, **2021**,	10.3	1
2	Determining Activity Coefficients of SOA from Isothermal Evaporation in a Laboratory Chamber. *Environmental Science and Technology Letters*, **2021**, 8, 212-217	11	0
1	Sources of Gas-Phase Species in an Art Museum from Comprehensive Real-Time Measurements. *ACS Earth and Space Chemistry*, **2021**, 5, 2252-2267	3.2	0