

Douglas A Day

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.

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	A systematic re-evaluation of methods for quantification of bulk particle-phase organic nitrates using real-time aerosol mass spectrometry. <i>Atmospheric Measurement Techniques</i> , 2022 , 15, 459-483	4	2
167	Field observational constraints on the controllers in glyoxal (CHOCHO) reactive uptake to aerosol. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 805-821	6.8	2
166	Ambient aerosol properties in the remote atmosphere from global-scale in situ measurements. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 15023-15063	6.8	4
165	Determining Activity Coefficients of SOA from Isothermal Evaporation in a Laboratory Chamber. <i>Environmental Science and Technology Letters</i> , 2021 , 8, 212-217	11	0
164	Quantification and source characterization of volatile organic compounds from exercising and application of chlorine-based cleaning products in a university athletic center. <i>Indoor Air</i> , 2021 , 31, 1323-1339	5.4	16
163	Aerosol pH indicator and organosulfate detectability from aerosol mass spectrometry measurements. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 2237-2260	4	6
162	The importance of size ranges in aerosol instrument intercomparisons: a case study for the Atmospheric Tomography Mission. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 3631-3655	4	12
161	Chemical transport models often underestimate inorganic aerosol acidity in remote regions of the atmosphere. <i>Communications Earth & Environment</i> , 2021 , 2,	6.1	7
160	Quantification of cooking organic aerosol in the indoor environment using aerodyne aerosol mass spectrometers. <i>Aerosol Science and Technology</i> , 2021 , 55, 1099-1114	3.4	9
159	Large Emissions of Low-Volatility Siloxanes during Residential Oven Use. <i>Environmental Science and Technology Letters</i> , 2021 , 8, 519-524	11	7
158	Real-time organic aerosol chemical speciation in the indoor environment using extractive electrospray ionization mass spectrometry. <i>Indoor Air</i> , 2021 , 31, 141-155	5.4	15
157	An in situ gas chromatograph with automatic detector switching between PTR- and EI-TOF-MS: isomer-resolved measurements of indoor air. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 133-152	4	7
156	Airborne extractive electrospray mass spectrometry measurements of the chemical composition of organic aerosol. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 1545-1559	4	6
155	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
154	Sources of Gas-Phase Species in an Art Museum from Comprehensive Real-Time Measurements. <i>ACS Earth and Space Chemistry</i> , 2021 , 5, 2252-2267	3.2	0
153	Oxidation Flow Reactor Results in a Chinese Megacity Emphasize the Important Contribution of S/IVOCs to Ambient SOA Formation.. <i>Environmental Science & Technology</i> , 2021 ,	10.3	3
152	Contribution of Organic Nitrates to Organic Aerosol over South Korea during KORUS-AQ. <i>Environmental Science & Technology</i> , 2021 ,	10.3	1

151	Characterization of organic aerosol across the global remote troposphere: a comparison of ATom measurements and global chemistry models. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 4607-4635	6.8	38
150	Ambient Quantification and Size Distributions for Organic Aerosol in Aerosol Mass Spectrometers with the New Capture Vaporizer. <i>ACS Earth and Space Chemistry</i> , 2020 , 4, 676-689	3.2	7
149	Natural and Anthropogenically Influenced Isoprene Oxidation in Southeastern United States and Central Amazon. <i>Environmental Science & Technology</i> , 2020 , 54, 5980-5991	10.3	13
148	Predictions of the glass transition temperature and viscosity of organic aerosols by volatility distributions 2020 ,		1
147	Predictions of the glass transition temperature and viscosity of organic aerosols from volatility distributions. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 8103-8122	6.8	17
146	Interferences with aerosol acidity quantification due to gas-phase ammonia uptake onto acidic sulfate filter samples. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 6193-6213	4	3
145	A thermal-dissociation cavity ring-down spectrometer (TD-CRDS) for the detection of organic nitrates in gas and particle phases. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 6255-6269	4	2
144	Global airborne sampling reveals a previously unobserved dimethyl sulfide oxidation mechanism in the marine atmosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 4505-4510	11.5	61
143	Always Lost but Never Forgotten: Gas-Phase Wall Losses Are Important in All Teflon Environmental Chambers. <i>Environmental Science & Technology</i> , 2020 , 54, 12890-12897	10.3	13
142	Direct measurements of semi-volatile organic compound dynamics show near-unity mass accommodation coefficients for diverse aerosols. <i>Communications Chemistry</i> , 2019 , 2,	6.3	29
141	Autoxidation of Limonene Emitted in a University Art Museum. <i>Environmental Science and Technology Letters</i> , 2019 , 6, 520-524	11	11
140	Characterization of Organic Aerosol across the Global Remote Troposphere: A comparison of ATom measurements and global chemistry models 2019 ,		1
139	Time-Resolved Measurements of Indoor Chemical Emissions, Deposition, and Reactions in a University Art Museum. <i>Environmental Science & Technology</i> , 2019 , 53, 4794-4802	10.3	47
138	EURODELTA III exercise: An evaluation of air quality models' capacity to reproduce the carbonaceous aerosol. <i>Atmospheric Environment: X</i> , 2019 , 2, 100018	2.8	7
137	Effects of gas-wall interactions on measurements of semivolatile compounds and small polar molecules. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 3137-3149	4	26
136	Measurements of delays of gas-phase compounds in a wide variety of tubing materials due to gas-wall interactions. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 3453-3461	4	44
135	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. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 7973-8001	6.8	19
134	Budgets of Organic Carbon Composition and Oxidation in Indoor Air. <i>Environmental Science & Technology</i> , 2019 , 53, 13053-13063	10.3	20

133	Anthropogenic control over wintertime oxidation of atmospheric pollutants. <i>Geophysical Research Letters</i> , 2019 , 46, 14826-14835	4.9	20
132	Laser Ablation-Aerosol Mass Spectrometry-Chemical Ionization Mass Spectrometry for Ambient Surface Imaging. <i>Analytical Chemistry</i> , 2018 , 90, 4046-4053	7.8	4
131	Evaluation of the New Capture Vaporizer for Aerosol Mass Spectrometers (AMS): Elemental Composition and Source Apportionment of Organic Aerosols (OA). <i>ACS Earth and Space Chemistry</i> , 2018 , 2, 410-421	3.2	14
130	Secondary organic aerosol formation from ambient air in an oxidation flow reactor in central Amazonia. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 467-493	6.8	49
129	Monoterpenes are the largest source of summertime organic aerosol in the southeastern United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 2038-2043	11.5	117
128	Model Evaluation of New Techniques for Maintaining High-NO Conditions in Oxidation Flow Reactors for the Study of OH-Initiated Atmospheric Chemistry. <i>ACS Earth and Space Chemistry</i> , 2018 , 2, 72-86	3.2	23
127	Evaluation of the new capture vaporizer for aerosol mass spectrometers: Characterization of organic aerosol mass spectra. <i>Aerosol Science and Technology</i> , 2018 , 52, 725-739	3.4	17
126	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
125	Sources and Secondary Production of Organic Aerosols in the Northeastern United States during WINTER. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 7771-7796	4.4	57
124	Urban influence on the concentration and composition of submicron particulate matter in central Amazonia. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 12185-12206	6.8	22
123	NO _x Lifetime and NO _y Partitioning During WINTER. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 9813-9827	4.4	32
122	Observations of sesquiterpenes and their oxidation products in central Amazonia during the wet and dry seasons. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 10433-10457	6.8	2
121	Organosulfates in aerosols downwind of an urban region in central Amazon. <i>Environmental Sciences: Processes and Impacts</i> , 2018 , 20, 1546-1558	4.3	32
120	Secondary organic aerosol production from local emissions dominates the organic aerosol budget over Seoul, South Korea, during KORUS-AQ. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 17769-17800	6.8	71
119	Urban influence on the concentration and composition of submicron particulate matter in central Amazonia 2018 ,		1
118	Observations of sesquiterpenes and their oxidation products in central Amazonia during the wet and dry seasons 2018 ,		1
117	Constraining nucleation, condensation, and chemistry in oxidation flow reactors using size-distribution measurements and aerosol microphysical modeling. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 12433-12460	6.8	10
116	Nitrogen Oxides Emissions, Chemistry, Deposition, and Export Over the Northeast United States During the WINTER Aircraft Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 12368	4.4	32

115	Wintertime Gas-Particle Partitioning and Speciation of Inorganic Chlorine in the Lower Troposphere Over the Northeast United States and Coastal Ocean. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 12,897	4.4	16
114	Observations of sesquiterpenes and their oxidation products in central Amazonia during the wet and dry seasons. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 10433-10457	6.8	29
113	Evaluation of the new capture vaporizer for aerosol mass spectrometers (AMS) through field studies of inorganic species. <i>Aerosol Science and Technology</i> , 2017 , 51, 735-754	3.4	49
112	Contrasting aerosol refractive index and hygroscopicity in the inflow and outflow of deep convective storms: Analysis of airborne data from DC3. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 4565-4577	4.4	9
111	Field intercomparison of the gas/particle partitioning of oxygenated organics during the Southern Oxidant and Aerosol Study (SOAS) in 2013. <i>Aerosol Science and Technology</i> , 2017 , 51, 30-56	3.4	31
110	The optical and chemical properties of discharge generated organic haze using in-situ real-time techniques. <i>Icarus</i> , 2017 , 294, 1-13	3.8	8
109	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
108	Review of Urban Secondary Organic Aerosol Formation from Gasoline and Diesel Motor Vehicle Emissions. <i>Environmental Science & Technology</i> , 2017 , 51, 1074-1093	10.3	229
107	Evaluation of the new capture vapourizer for aerosol mass spectrometers (AMS) through laboratory studies of inorganic species. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 2897-2921	4	39
106	Secondary organic aerosol formation from in situ OH, O ₃ , and NO ₃ ; oxidation of ambient forest air in an oxidation flow reactor 2017 ,		1
105	Comprehensive characterization of atmospheric organic carbon at a forested site. <i>Nature Geoscience</i> , 2017 , 10, 748-753	18.3	49
104	Direct Measurements of Gas/Particle Partitioning and Mass Accommodation Coefficients in Environmental Chambers. <i>Environmental Science & Technology</i> , 2017 , 51, 11867-11875	10.3	32
103	Impact of Thermal Decomposition on Thermal Desorption Instruments: Advantage of Thermogram Analysis for Quantifying Volatility Distributions of Organic Species. <i>Environmental Science & Technology</i> , 2017 , 51, 8491-8500	10.3	78
102	The Green Ocean Amazon Experiment (GoAmazon2014/5) Observes Pollution Affecting Gases, Aerosols, Clouds, and Rainfall over the Rain Forest. <i>Bulletin of the American Meteorological Society</i> , 2017 , 98, 981-997	6.1	94
101	Influence of urban pollution on the production of organic particulate matter from isoprene epoxydiols in central Amazonia. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 6611-6629	6.8	40
100	Nitrate radicals and biogenic volatile organic compounds: oxidation, mechanisms, and organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 2103-2162	6.8	206
99	CCN activity and organic hygroscopicity of aerosols downwind of an urban region in central Amazonia: seasonal and diel variations and impact of anthropogenic emissions. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 11779-11801	6.8	47
98	Secondary organic aerosol formation from in situ OH, O ₃ , and NO ₃ ; oxidation of ambient forest air in an oxidation flow reactor. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 5331-5354	6.8	46

97	Influence of urban pollution on the production of organic particulate matter from isoprene epoxydiols in central Amazonia 2016 ,		3
96	Airborne characterization of subsaturated aerosol hygroscopicity and dry refractive index from the surface to 6.5 km during the SEAC4RS campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 4188-4210	4.4	52
95	Ambient Gas-Particle Partitioning of Tracers for Biogenic Oxidation. <i>Environmental Science & Technology</i> , 2016 , 50, 9952-62	10.3	54
94	Ubiquity of organic nitrates from nighttime chemistry in the European submicron aerosol. <i>Geophysical Research Letters</i> , 2016 , 43, 7735-7744	4.9	119
93	In situ secondary organic aerosol formation from ambient pine forest air using an oxidation flow reactor. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 2943-2970	6.8	98
92	Aerosol optical properties in the southeastern United States in summer [Part I]: Hygroscopic growth. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 4987-5007	6.8	71
91	Volatility and lifetime against OH heterogeneous reaction of ambient isoprene-epoxydiols-derived secondary organic aerosol (IEPOX-SOA). <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 11563-11580	6.8	60
90	Speciated measurements of semivolatile and intermediate volatility organic compounds (S/IVOCs) in a pine forest during BEACHON-RoMBAS 2011. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 1187-1205	6.8	25
89	Aqueous-phase mechanism for secondary organic aerosol formation from isoprene: application to the Southeast United States and co-benefit of SO emission controls. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 1603-1618	6.8	197
88	Non-OH chemistry in oxidation flow reactors for the study of atmospheric chemistry systematically examined by modeling. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 4283-4305	6.8	90
87	Aerosol optical properties in the southeastern United States in summer [Part II]: Sensitivity of aerosol optical depth to relative humidity and aerosol parameters. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 5009-5019	6.8	33
86	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
85	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
84	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
83	Highly functionalized organic nitrates in the southeast United States: Contribution to secondary organic aerosol and reactive nitrogen budgets. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 1516-21	11.5	195
82	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
81	Nitrate radicals and biogenic volatile organic compounds: oxidation, mechanisms and organic aerosol 2016 ,		3
80	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 2016 ,		3

79	Follow the Carbon: Isotopic Labeling Studies of Early Earth Aerosol. <i>Astrobiology</i> , 2016 , 16, 822-830	3.7	23
78	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
77	Modeling the radical chemistry in an oxidation flow reactor: radical formation and recycling, sensitivities, and the OH exposure estimation equation. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 4418-32	2.8	104
76	Estimating the contribution of organic acids to northern hemispheric continental organic aerosol. <i>Geophysical Research Letters</i> , 2015 , 42, 6084-6090	4.9	36
75	Evolution of brown carbon in wildfire plumes. <i>Geophysical Research Letters</i> , 2015 , 42, 4623-4630	4.9	206
74	Brown carbon aerosol in the North American continental troposphere: sources, abundance, and radiative forcing. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 7841-7858	6.8	74
73	Characterization of a real-time tracer for isoprene epoxydiols-derived secondary organic aerosol (IEPOX-SOA) from aerosol mass spectrometer measurements. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 11807-11833	6.8	159
72	Organic nitrate aerosol formation via NO ₃ + biogenic volatile organic compounds in the southeastern United States. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 13377-13392	6.8	90
71	In situ vertical profiles of aerosol extinction, mass, and composition over the southeast United States during SENEX and SEAC ⁴ RS: observations of a modest aerosol enhancement aloft. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 7085-7102	6.8	46
70	The Deep Convective Clouds and Chemistry (DC3) Field Campaign. <i>Bulletin of the American Meteorological Society</i> , 2015 , 96, 1281-1309	6.1	140
69	HO _x radical chemistry in oxidation flow reactors with low-pressure mercury lamps systematically examined by modeling. <i>Atmospheric Measurement Techniques</i> , 2015 , 8, 4863-4890	4	93
68	Airborne measurements of organosulfates over the continental U.S. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 2990-3005	4.4	77
67	Long-term real-time chemical characterization of submicron aerosols at Montsec (southern Pyrenees, 1570 m a.s.l.). <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 2935-2951	6.8	54
66	HO _x radical chemistry in oxidation flow reactors with low-pressure mercury lamps systematically examined by modeling 2015 ,		5
65	Elemental analysis of complex organic aerosol using isotopic labeling and unit-resolution mass spectrometry. <i>Analytical Chemistry</i> , 2015 , 87, 2741-7	7.8	9
64	Effects of sources and meteorology on particulate matter in the Western Mediterranean Basin: An overview of the DAURE campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 4978-5010	4.4	33
63	Trends in sulfate and organic aerosol mass in the Southeast U.S.: Impact on aerosol optical depth and radiative forcing. <i>Geophysical Research Letters</i> , 2014 , 41, 7701-7709	4.9	66
62	Size-resolved aerosol composition and its link to hygroscopicity at a forested site in Colorado. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 2657-2667	6.8	52

61	Overview of the Manitou Experimental Forest Observatory: site description and selected science results from 2008 to 2013. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 6345-6367	6.8	51
60	Semicontinuous measurements of gas/particle partitioning of organic acids in a ponderosa pine forest using a MOVI-HRToF-CIMS. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 1527-1546	6.8	76
59	Organic aerosol components derived from 25 AMS data sets across Europe using a consistent ME-2 based source apportionment approach. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 6159-6176	6.8	232
58	Insights into secondary organic aerosol formation mechanisms from measured gas/particle partitioning of specific organic tracer compounds. <i>Environmental Science & Technology</i> , 2013 , 47, 3781-7	10.3	47
57	Laboratory studies on secondary organic aerosol formation from crude oil vapors. <i>Environmental Science & Technology</i> , 2013 , 47, 12566-74	10.3	36
56	Sources of organic aerosol investigated using organic compounds as tracers measured during CalNex in Bakersfield. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 11,388-11,398	4.4	21
55	Gas/particle partitioning of total alkyl nitrates observed with TD-LIF in Bakersfield. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 6651-6662	4.4	44
54	Secondary organic aerosol formation and primary organic aerosol oxidation from biomass-burning smoke in a flow reactor during FLAME-3. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 11551-11571	6.8	186
53	High concentrations of biological aerosol particles and ice nuclei during and after rain. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 6151-6164	6.8	268
52	Observations of gas- and aerosol-phase organic nitrates at BEACHON-RoMBAS 2011. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 8585-8605	6.8	123
51	Evidence for NO(x) control over nighttime SOA formation. <i>Science</i> , 2012 , 337, 1210-2	33.3	200
50	Organosulfates as tracers for secondary organic aerosol (SOA) formation from 2-methyl-3-buten-2-ol (MBO) in the atmosphere. <i>Environmental Science & Technology</i> , 2012 , 46, 9437-48	10.3	109
49	Molecular marker characterization of the organic composition of submicron aerosols from Mediterranean urban and rural environments under contrasting meteorological conditions. <i>Atmospheric Environment</i> , 2012 , 61, 482-489	5.3	44
48	Formation and growth of ultrafine particles from secondary sources in Bakersfield, California. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		48
47	Secondary organic aerosol formation from fossil fuel sources contribute majority of summertime organic mass at Bakersfield. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		62
46	Elucidating secondary organic aerosol from diesel and gasoline vehicles through detailed characterization of organic carbon emissions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 18318-23	11.5	322
45	Direct N₂O₅ reactivity measurements at a polluted coastal site. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 2959-2968	6.8	56
44	Effects of aging on organic aerosol from open biomass burning smoke in aircraft and laboratory studies. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 12049-12064	6.8	418

43	Fossil versus contemporary sources of fine elemental and organic carbonaceous particulate matter during the DAURE campaign in Northeast Spain. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 12067-12084	6.8	133
42	Ozone-driven daytime formation of secondary organic aerosol containing carboxylic acid groups and alkane groups. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 8321-8341	6.8	49
41	Characterization of particle cloud droplet activity and composition in the free troposphere and the boundary layer during INTEX-B. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 6627-6644	6.8	38
40	Organonitrate group concentrations in submicron particles with high nitrate and organic fractions in coastal southern California. <i>Atmospheric Environment</i> , 2010 , 44, 1970-1979	5.3	120
39	Carbon monoxide and chromophoric dissolved organic matter cycles in the shelf waters of the northern California upwelling system. <i>Journal of Geophysical Research</i> , 2009 , 114,		22
38	Observations of NO _x , PANs, ANs, and HNO ₃ at a Rural Site in the California Sierra Nevada Mountains: summertime diurnal cycles. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 4879-4896	6.8	39
37	Organic composition of single and submicron particles in different regions of western North America and the eastern Pacific during INTEX-B 2006. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 5433-5446	6.8	21
36	Observations of the effects of temperature on atmospheric HNO ₃ , PANs, NO _x ; evidence for a temperature-dependent HO _x source. <i>Atmospheric Chemistry and Physics</i> , 2008 , 8, 1867-1879	6.8	31
35	The weekend effect within and downwind of Sacramento [Part 1: Observations of ozone, nitrogen oxides, and VOC reactivity. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 5327-5339	6.8	125
34	Observations of the diurnal and seasonal trends in nitrogen oxides in the western Sierra Nevada. <i>Atmospheric Chemistry and Physics</i> , 2006 , 6, 5321-5338	6.8	67
33	Observations of total alkyl nitrates during Texas Air Quality Study 2000: Implications for O ₃ and alkyl nitrate photochemistry. <i>Journal of Geophysical Research</i> , 2004 , 109,		71
32	Measurements of the sum of HO ₂ ;NO ₂ ; and CH ₃ O ₂ ;NO ₂ ; in the remote troposphere. <i>Atmospheric Chemistry and Physics</i> , 2004 , 4, 377-384	6.8	43
31	On alkyl nitrates, O ₃ , and the missing NO _y <i>Journal of Geophysical Research</i> , 2003 , 108,		100
30	A thermal dissociation laser-induced fluorescence instrument for in situ detection of NO ₂ , peroxy nitrates, alkyl nitrates, and HNO ₃ . <i>Journal of Geophysical Research</i> , 2002 , 107, ACH 4-1-ACH 4-14		209
29	Anthropogenic Secondary Organic Aerosols Contribute Substantially to Air Pollution Mortality		2
28	Characterization of particle cloud droplet activity and composition in the free troposphere and the boundary layer during INTEX-B		1
27	Ozone-driven photochemical formation of carboxylic acid groups from alkane groups		3
26	Secondary organic aerosol formation and primary organic aerosol oxidation from biomass burning smoke in a flow reactor during FLAME-3		4

25	Semi-continuous measurements of gas/particle partitioning of organic acids in a ponderosa pine forest using a MOVI-HRToF-CIMS	2
24	High concentrations of biological aerosol particles and ice nuclei during and after rain	13
23	Observations of gas- and aerosol-phase organic nitrates at BEACHON-RoMBAS 2011	8
22	Organic aerosol components derived from 25 AMS datasets across Europe using a newly developed ME-2 based source apportionment strategy	10
21	Overview of the Manitou Experimental Forest Observatory: site description and selected science results from 2008-2013	8
20	Characterization of a real-time tracer for Isoprene Epoxydiols-derived Secondary Organic Aerosol (IEPOX-SOA) from aerosol mass spectrometer measurements	10
19	Organic nitrate aerosol formation via $\text{NO}_3 + \text{BVOC}$ in the Southeastern US	5
18	Real-time measurements of secondary organic aerosol formation and aging from ambient air in an oxidation flow reactor in the Los Angeles area	10
17	Speciated measurements of semivolatile and intermediate volatility organic compounds (S/IVOCs) in a pine forest during BEACHON-RoMBAS 2011	3
16	Non-OH chemistry in oxidation flow reactors for the study of atmospheric chemistry systematically examined by modeling	4
15	Aerosol optical properties in the southeastern United States in summer [Part 1: Hygroscopic growth	5
14	In situ secondary organic aerosol formation from ambient pine forest air using an oxidation flow reactor	4
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