

Pedro Campuzano-Jost

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/9062522/pedro-campuzano-jost-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

174
papers

5,719
citations

44
h-index

69
g-index

266
ext. papers

7,040
ext. citations

6.2
avg, IF

5.18
L-index

#	Paper	IF	Citations
174	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
173	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
172	Exploring dimethyl sulfide (DMS) oxidation and implications for global aerosol radiative forcing. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 1549-1573	6.8	5
171	Identifying chemical aerosol signatures using optical suborbital observations: how much can optical properties tell us about aerosol composition?. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 3713-3742	6.8	0
170	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
169	Airborne Emission Rate Measurements Validate Remote Sensing Observations and Emission Inventories of Western U.S. Wildfires.. <i>Environmental Science & Technology</i> , 2022 ,	10.3	2
168	Ozone chemistry in western U.S. wildfire plumes. <i>Science Advances</i> , 2021 , 7, eabl3648	14.3	6
167	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
166	Machine Learning Uncovers Aerosol Size Information From Chemistry and Meteorology to Quantify Potential Cloud-Forming Particles. <i>Geophysical Research Letters</i> , 2021 , 48,	4.9	1
165	Novel Analysis to Quantify Plume Crosswind Heterogeneity Applied to Biomass Burning Smoke. <i>Environmental Science & Technology</i> , 2021 , 55, 15646-15657	10.3	2
164	Relating geostationary satellite measurements of aerosol optical depth (AOD) over East Asia to fine particulate matter (PM _{2.5}): insights from the KORUS-AQ aircraft campaign and GEOS-Chem model simulations. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 16775-16791	6.8	4
163	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
162	Aerosol pH indicator and organosulfate detectability from aerosol mass spectrometry measurements. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 2237-2260	4	6
161	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
160	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
159	Chemical transport models often underestimate inorganic aerosol acidity in remote regions of the atmosphere. <i>Communications Earth & Environment</i> , 2021 , 2,	6.1	7
158	Sizing response of the Ultra-High Sensitivity Aerosol Spectrometer (UHSAS) and Laser Aerosol Spectrometer (LAS) to changes in submicron aerosol composition and refractive index. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 4517-4542	4	4

157	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
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	Future changes in isoprene-epoxydiol-derived secondary organic aerosol (IEPOX SOA) under the Shared Socioeconomic Pathways: the importance of physicochemical dependency. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 3395-3425	6.8	4
154	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
153	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
152	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
151	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
150	Contribution of Organic Nitrates to Organic Aerosol over South Korea during KORUS-AQ. <i>Environmental Science & Technology</i> , 2021 ,	10.3	1
149	How emissions uncertainty influences the distribution and radiative impacts of smoke from fires in North America. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 2073-2097	6.8	31
148	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
147	Understanding and improving model representation of aerosol optical properties for a Chinese haze event measured during KORUS-AQ. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 6455-6478	6.8	10
146	Estimates of Regional Source Contributions to the Asian Tropopause Aerosol Layer Using a Chemical Transport Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD031506	4.4	10
145	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
144	Quantitative detection of iodine in the stratosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 1860-1866	11.5	35
143	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
142	Investigation of factors controlling PM variability across the South Korean Peninsula during KORUS-AQ. <i>Elementa</i> , 2020 , 8,	3.6	28
141	An evaluation of global organic aerosol schemes using airborne observations. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 2637-2665	6.8	44
140	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

139	New SOA Treatments Within the Energy Exascale Earth System Model (E3SM): Strong Production and Sinks Govern Atmospheric SOA Distributions and Radiative Forcing. <i>Journal of Advances in Modeling Earth Systems</i> , 2020 , 12, e2020MS002266	7.1	7
138	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
137	Fine particle pH and sensitivity to NH_3 and HNO_3 over summertime South Korea during KORUS-AQ 2020 ,		1
136	Biomass Burning Markers and Residential Burning in the WINTER Aircraft Campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 1846-1861	4.4	22
135	An evaluation of global organic aerosol schemes using airborne observations 2019 ,		4
134	Characterization of Organic Aerosol across the Global Remote Troposphere: A comparison of ATom measurements and global chemistry models 2019 ,		1
133	Rates of Wintertime Atmospheric SO_2 Oxidation based on Aircraft Observations during Clear-Sky Conditions over the Eastern United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 6630-6649	4.4	8
132	Towards a satellite formaldehyde in situ hybrid estimate for organic aerosol abundance. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 2765-2785	6.8	10
131	The potential role of methanesulfonic acid (MSA) in aerosol formation and growth and the associated radiative forcings. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 3137-3160	6.8	51
130	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
129	Response of the Aerodyne Aerosol Mass Spectrometer to Inorganic Sulfates and Organosulfur Compounds: Applications in Field and Laboratory Measurements. <i>Environmental Science & Technology</i> , 2019 , 53, 5176-5186	10.3	30
128	Aerosol size distributions during the Atmospheric Tomography Mission (ATom): methods, uncertainties, and data products. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 3081-3099	4	38
127	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
126	A simplified parameterization of isoprene-epoxydiol-derived secondary organic aerosol (IEPOX-SOA) for global chemistry and climate models: a case study with GEOS-Chem v11-02-rc. <i>Geoscientific Model Development</i> , 2019 , 12, 2983-3000	6.3	13
125	Observational Constraints on the Formation of Cl_2 From the Reactive Uptake of ClNO_2 on Aerosols in the Polluted Marine Boundary Layer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 8851-8869	4.4	10
124	Comparison of Airborne Reactive Nitrogen Measurements During WINTER. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 10483-10502	4.4	4
123	A large source of cloud condensation nuclei from new particle formation in the tropics. <i>Nature</i> , 2019 , 574, 399-403	50.4	75
122	Widespread Pollution From Secondary Sources of Organic Aerosols During Winter in the Northeastern United States. <i>Geophysical Research Letters</i> , 2019 , 46, 2974-2983	4.9	17

121	Climate Forcing and Trends of Organic Aerosols in the Community Earth System Model (CESM2). <i>Journal of Advances in Modeling Earth Systems</i> , 2019 , 11, 4323-4351	7.1	50
120	Integration of airborne and ground observations of nitryl chloride in the Seoul metropolitan area and the implications on regional oxidation capacity during KORUS-AQ 2016. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 12779-12795	6.8	11
119	Understanding and improving model representation of aerosol optical properties for a Chinese haze event measured during KORUS-AQ 2019 ,		1
118	A new method to quantify mineral dust and other aerosol species from aircraft platforms using single-particle mass spectrometry. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 6209-6239	4	30
117	Anthropogenic control over wintertime oxidation of atmospheric pollutants. <i>Geophysical Research Letters</i> , 2019 , 46, 14826-14835	4.9	20
116	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
115	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
114	Heterogeneous N ₂ O ₅ Uptake During Winter: Aircraft Measurements During the 2015 WINTER Campaign and Critical Evaluation of Current Parameterizations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 4345-4372	4.4	69
113	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
112	Exploring the observational constraints on the simulation of brown carbon. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 635-653	6.8	80
111	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
110	Chemical feedbacks weaken the wintertime response of particulate sulfate and nitrate to emissions reductions over the eastern United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 8110-8115	11.5	86
109	Characterization of the Real Part of Dry Aerosol Refractive Index Over North America From the Surface to 12 km. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 8283	4.4	18
108	Flight Deployment of a High-Resolution Time-of-Flight Chemical Ionization Mass Spectrometer: Observations of Reactive Halogen and Nitrogen Oxide Species. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 7670	4.4	25
107	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
106	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
105	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
104	NO _x Lifetime and NO _y Partitioning During WINTER. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 9813-9827	4.4	32

103	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
102	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
101	Integration of Airborne and Ground Observations of Nitryl Chloride in the Seoul Metropolitan Area and the Implications on Regional Oxidation Capacity During KORUS-AQ 2016 2018 ,		2
100	Estimating Source Region Influences on Black Carbon Abundance, Microphysics, and Radiative Effect Observed Over South Korea. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 13,527	4.4	20
99	The potential role of methanesulfonic acid (MSA) in aerosol formation and growth and the associated radiative forcings 2018 ,		1
98	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
97	Is there an aerosol signature of chemical cloud processing?. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 16099-16119	6.8	18
96	Strong Contrast in Remote Black Carbon Aerosol Loadings Between the Atlantic and Pacific Basins. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 13,386	4.4	17
95	Urban influence on the concentration and composition of submicron particulate matter in central Amazonia 2018 ,		1
94	Observations of sesquiterpenes and their oxidation products in central Amazonia during the wet and dry seasons 2018 ,		1
93	ClNO ₂ Yields From Aircraft Measurements During the 2015 WINTER Campaign and Critical Evaluation of the Current Parameterization. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 12,994	4.4	24
92	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
91	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, 12,368	4.4	32
90	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
89	Airborne Observations of Reactive Inorganic Chlorine and Bromine Species in the Exhaust of Coal-Fired Power Plants. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 11225-11237	4.4	21
88	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
87	Photochemical model evaluation of 2013 California wild fire air quality impacts using surface, aircraft, and satellite data. <i>Science of the Total Environment</i> , 2018 , 637-638, 1137-1149	10.2	30
86	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

85	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
84	Top-of-atmosphere radiative forcing affected by brown carbon in the upper troposphere. <i>Nature Geoscience</i> , 2017 , 10, 486-489	18.3	114
83	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
82	In situ measurements of water uptake by black carbon-containing aerosol in wildfire plumes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 1086-1097	4.4	15
81	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
80	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
79	Comprehensive characterization of atmospheric organic carbon at a forested site. <i>Nature Geoscience</i> , 2017 , 10, 748-753	18.3	49
78	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
77	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
76	Inconsistency of ammonium sulfate aerosol ratios with thermodynamic models in the eastern US: a possible role of organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 5107-5118	6.8	38
75	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
74	Influence of urban pollution on the production of organic particulate matter from isoprene epoxydiols in central Amazonia 2016 ,		3
73	Ambient Gas-Particle Partitioning of Tracers for Biogenic Oxidation. <i>Environmental Science & Technology</i> , 2016 , 50, 9952-62	10.3	54
72	Ambient observations of sub-1.0 hygroscopic growth factor and (RH) values: Case studies from surface and airborne measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 661-677	4.4	18
71	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
70	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
69	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
68	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

67	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
66	Aerosol optical properties in the southeastern United States in summer [Part 2: Sensitivity of aerosol optical depth to relative humidity and aerosol parameters. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 5009-5019	6.8	33
65	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
64	Surface dimming by the 2013 Rim Fire simulated by a sectional aerosol model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 7079-7087	4.4	13
63	Agricultural fires in the southeastern U.S. during SEACRS: 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
62	Airborne measurements and emission estimates of greenhouse gases and other trace constituents from the 2013 California Yosemite Rim wildfire. <i>Atmospheric Environment</i> , 2016 , 127, 293-302	5.3	15
61	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
60	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
59	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
58	Fine particle pH and the partitioning of nitric acid during winter in the northeastern United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 10,355	4.4	129
57	Estimating the contribution of organic acids to northern hemispheric continental organic aerosol. <i>Geophysical Research Letters</i> , 2015 , 42, 6084-6090	4.9	36
56	Revealing important nocturnal and day-to-day variations in fire smoke emissions through a multiplatform inversion. <i>Geophysical Research Letters</i> , 2015 , 42, 3609-3618	4.9	54
55	Evolution of brown carbon in wildfire plumes. <i>Geophysical Research Letters</i> , 2015 , 42, 4623-4630	4.9	206
54	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
53	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
52	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
51	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
50	In situ vertical profiles of aerosol extinction, mass, and composition over the southeast United States during SENEX and SEACRS: observations of a modest aerosol enhancement aloft. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 7085-7102	6.8	46

49	The Deep Convective Clouds and Chemistry (DC3) Field Campaign. <i>Bulletin of the American Meteorological Society</i> , 2015 , 96, 1281-1309	6.1	140
48	Aerosol transport and wet scavenging in deep convective clouds: A case study and model evaluation using a multiple passive tracer analysis approach. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 8448-8468	4.4	44
47	Elemental composition of organic aerosol: The gap between ambient and laboratory measurements. <i>Geophysical Research Letters</i> , 2015 , 42, 4182-4189	4.9	63
46	Airborne measurements of organosulfates over the continental U.S. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 2990-3005	4.4	77
45	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
44	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
43	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
42	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
41	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
40	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, 9437-44	10.3	109
39	Studies of one and two component aerosols using IR/VUV single particle mass spectrometry: Insights into the vaporization process and quantitative limitations. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 11565-75	3.6	3
38	Ground-based remote sensing of an elevated forest fire aerosol layer at Whistler, BC: implications for interpretation of mountaintop chemistry. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 11921-11930	6.8	8
37	A new broadly tunable (7.4-10.2 eV) laser based VUV light source and its first application to aerosol mass spectrometry. <i>International Journal of Mass Spectrometry</i> , 2009 , 279, 134-146	1.9	53
36	A laser desorption/ionization ion trap mass spectrometer for real-time analysis of single atmospheric particles. <i>International Journal of Mass Spectrometry</i> , 2009 , 281, 140-149	1.9	7
35	Experimental and theoretical studies of the reaction of the OH radical with alkyl sulfides: 3. Kinetics and mechanism of the OH initiated oxidation of dimethyl, dipropyl, and dibutyl sulfides: reactivity trends in the alkyl sulfides and development of a predictive expression for the reaction of OH with DMS. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 6697-709	2.8	13
34	A study of oleic acid and 2,4-DHB acid aerosols using an IR-VUV-ITMS: insights into the strengths and weaknesses of the technique. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 7963-75	3.6	13
33	Experimental and theoretical studies of the reaction of the OH radical with alkyl sulfides: 1. Direct observations of the formation of the OH-DMS adduct-pressure dependence of the forward rate of addition and development of a predictive expression at low temperature. <i>Journal of Physical Chemistry A</i> , 2007 , 111, 89-104	2.8	32
32	Experimental and theoretical studies of the reaction of the OH radical with alkyl sulfides: 2. Kinetics and mechanism of the OH initiated oxidation of methylethyl and diethyl sulfides; observations of a two channel oxidation mechanism. <i>Physical Chemistry Chemical Physics</i> , 2007 , 9, 4370-82	3.6	12

31	Kinetic and mechanistic studies of the recombination of OH with NO ₂ : vibrational deactivation, isotopic scrambling and product isomer branching ratios. <i>Faraday Discussions</i> , 2005 , 130, 111-23; discussion 125-51, 519-24	3.6	18
30	Gas phase UV absorption spectra for a series of alkyl sulfides. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005 , 171, 77-82	4.7	8
29	Vibrational deactivation studies of OH X 2 ⁺ (v = 1B) by N ₂ and O ₂ . <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 4276-4282	3.6	26
28	Kinetics and Mechanism of the Reaction of the Hydroxyl Radical with h8-Isoprene and d8-Isoprene: Isoprene Absorption Cross Sections, Rate Coefficients, and the Mechanism of Hydroperoxyl Radical Production. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 1537-1551	2.8	29
27	Near-Real-Time Measurement of Sea-Salt Aerosol during the SEAS Campaign: Comparison of Emission-Based Sodium Detection with an Aerosol Volatility Technique. <i>Journal of Atmospheric and Oceanic Technology</i> , 2003 , 20, 1421-1430	2	13
26	Gas phase elemental mercury: a comparison of LIF detection techniques and study of the kinetics of reaction with the hydroxyl radical. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2003 , 157, 247-256	4.7	28
25	Rapid, ultra-sensitive detection of gas phase elemental mercury under atmospheric conditions using sequential two-photon laser induced fluorescence. <i>Journal of Environmental Monitoring</i> , 2002 , 4, 339-43		21
24	Kinetic and mechanistic studies of the OH-initiated oxidation of dimethylsulfide at low temperature: A reevaluation of the rate coefficient and branching ratio. <i>Chemical Physics Letters</i> , 2001 , 344, 61-67	2.5	41
23	Real-time measurement of sodium in single aerosol particles by flame emission: laboratory characterization. <i>Journal of Aerosol Science</i> , 2001 , 32, 765-778	4.3	8
22	A Pulsed Laser Photolysis/Pulsed Laser Induced Fluorescence Study of the Kinetics of the Gas-Phase Reaction of OH with NO ₂ . <i>Journal of Physical Chemistry A</i> , 2001 , 105, 10538-10543	2.8	39
21	Kinetics of the OH-initiated oxidation of isoprene. <i>Geophysical Research Letters</i> , 2000 , 27, 693-696	4.9	32
20	Kinetics of the Reaction of OH with HI between 246 and 353 K. <i>Journal of Physical Chemistry A</i> , 1999 , 103, 2712-2719	2.8	19
19	Temperature Dependent Rate Constants for the Gas-Phase Reaction between OH and CH ₃ OCl. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 3601-3606		28
18	Kinetic and thermodynamic properties of the F+O ₂ reaction system under high pressure and low temperature conditions. <i>Journal of Chemical Physics</i> , 1995 , 102, 5317-5326	3.9	17
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	Observations of gas- and aerosol-phase organic nitrates at BEACHON-RoMBAS 2011		8
14	Overview of the Manitou Experimental Forest Observatory: site description and selected science results from 2008-2013		8

13	Characterization of a real-time tracer for Isoprene Epoxydiols-derived Secondary Organic Aerosol (IEPOX-SOA) from aerosol mass spectrometer measurements	10
12	Organic nitrate aerosol formation via $\text{NO}_3 + \text{BVOC}$ in the Southeastern US	5
11	Speciated measurements of semivolatile and intermediate volatility organic compounds (S/IVOCs) in a pine forest during BEACHON-RoMBAS 2011	3
10	Aerosol optical properties in the southeastern United States in summer [Part 1: Hygroscopic growth	5
9	In situ secondary organic aerosol formation from ambient pine forest air using an oxidation flow reactor	4
8	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	1
7	Aerosol optical properties in the southeastern United States in summer [Part 2: Sensitivity of aerosol optical depth to relative humidity and aerosol parameters	6
6	Aqueous-phase mechanism for secondary organic aerosol formation from isoprene: application to the Southeast United States and co-benefit of SO_2 emission controls	6
5	Brown carbon aerosol in the North American continental troposphere: sources, abundance, and radiative forcing	5
4	Evaluation of the new capture vaporizer for Aerosol Mass Spectrometers (AMS) through laboratory studies of inorganic species	2
3	A new method to quantify mineral dust and other aerosol species from aircraft platforms using single particle mass spectrometry	3
2	The Importance of Size Ranges in Aerosol Instrument Intercomparisons: A Case Study for the ATom Mission	6
1	Size-resolved aerosol composition and link to hygroscopicity at a forested site in Colorado	2