Jose L Jimenez

List of Publications by Year
in descending order

498 papers	77,055 citations	492 129 h-index	983 237 g-index
816 all docs	816 docs citations	816 times ranked	20298 citing authors

#	Article	IF	Citations
1	The NASA Atmospheric Tomography (ATom) Mission: Imaging the Chemistry of the Global Atmosphere. Bulletin of the American Meteorological Society, 2022, 103, E761-E790.	3.3	39
2	How can ventilation be improved on public transportation buses? Insights from CO2 measurements. Environmental Research, 2022, 205, 112451.	7.5	17
3	Fine Ashâ€Bearing Particles as a Major Aerosol Component in Biomass Burning Smoke. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	13
4	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.	3.1	15
5	Field observational constraints on the controllers in glyoxal (CHOCHO) reactive uptake to aerosol. Atmospheric Chemistry and Physics, 2022, 22, 805-821.	4.9	5
6	Evaluation of Secondary Organic Aerosol (SOA) Simulations for Seoul, Korea. Journal of Advances in Modeling Earth Systems, 2022, 14, .	3.8	10
7	Practical Indicators for Risk of Airborne Transmission in Shared Indoor Environments and Their Application to COVID-19 Outbreaks. Environmental Science & Technology, 2022, 56, 1125-1137.	10.0	109
8	Quantifying transmission risk of SARS-CoV-2 in different situations. BMJ, The, 2022, 376, o106.	6.0	3
9	Exploring dimethyl sulfide (DMS) oxidation and implications for global aerosol radiative forcing. Atmospheric Chemistry and Physics, 2022, 22, 1549-1573.	4.9	33
10	Transmission of SARS-CoV-2: still up in the air â€“ Authors' reply. Lancet, The, 2022, 399, 519-520.	13.7	7
11	Teaching Instrumental Analysis during the Pandemic: Application of Handheld CO₂ Monitors to Explore COVID-19 Transmission Risks. Journal of Chemical Education, 2022, 99, 1794-1801.	2.3	5
12	Identifying chemical aerosol signatures using optical suborbital observations: how much can optical properties tell us about aerosol composition?. Atmospheric Chemistry and Physics, 2022, 22, 3713-3742.	4.9	6
13	Photochemical evolution of the 2013 California Rim Fire: synergistic impacts of reactive hydrocarbons and enhanced oxidants. Atmospheric Chemistry and Physics, 2022, 22, 4253-4275.	4.9	9
14	Oxidation Flow Reactor Results in a Chinese Megacity Emphasize the Important Contribution of S/IVOCs to Ambient SOA Formation. Environmental Science & Technology, 2022, 56, 6880-6893.	10.0	21
15	Airborne Emission Rate Measurements Validate Remote Sensing Observations and Emission Inventories of Western U.S. Wildfires. Environmental Science & Technology, 2022, 56, 7564-7577.	10.0	15
16	Systematic way to understand and classify the sharedâ€room airborne transmission risk of indoor spaces. Indoor Air, 2022, 32, .	4.3	6
17	Evaluating the Impact of Chemical Complexity and Horizontal Resolution on Tropospheric Ozone Over the Conterminous US With a Global Variable Resolution Chemistry Model. Journal of Advances in Modeling Earth Systems, 2022, 14, .	3.8	20
18	Limitations in representation of physical processes prevent successful simulation of PM_{2.5} during KORUS-AQ. Atmospheric Chemistry and Physics, 2022, 22, 7933-7958.	4.9	17

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19	Characteristics and evolution of brown carbon in western United States wildfires. Atmospheric Chemistry and Physics, 2022, 22, 8009-8036.	4.9	21
20	Quantification and source characterization of volatile organic compounds from exercising and application of chlorineâ€based cleaning products in a university athletic center. Indoor Air, 2021, 31, 1323-1339.	4.3	32
21	Realâ€time organic aerosol chemical speciation in the indoor environment using extractive electrospray ionization mass spectrometry. Indoor Air, 2021, 31, 141-155.	4.3	29
22	Impacts of sectoral, regional, species, and day-specific emissions on air pollution and public health in Washington, DC. Elementa, 2021, 9, .	3.2	6
23	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.	3.1	31
24	Airborne extractive electrospray mass spectrometry measurements of the chemical composition of organic aerosol. Atmospheric Measurement Techniques, 2021, 14, 1545-1559.	3.1	20
25	Future changes in isoprene-epoxydiol-derived secondary organic aerosol (IEPOX SOA) under the Shared Socioeconomic Pathways: the importance of physicochemical dependency. Atmospheric Chemistry and Physics, 2021, 21, 3395-3425.	4.9	16
26	Aerosol pH indicator and organosulfate detectability from aerosol mass spectrometry measurements. Atmospheric Measurement Techniques, 2021, 14, 2237-2260.	3.1	12
27	Dismantling myths on the airborne transmission of severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2). Journal of Hospital Infection, 2021, 110, 89-96.	2.9	264
28	Exhaled CO₂ as a COVID-19 Infection Risk Proxy for Different Indoor Environments and Activities. Environmental Science and Technology Letters, 2021, 8, 392-397.	8.7	180
29	HCOOH in the Remote Atmosphere: Constraints from Atmospheric Tomography (ATom) Airborne Observations. ACS Earth and Space Chemistry, 2021, 5, 1436-1454.	2.7	13
30	A paradigm shift to combat indoor respiratory infection. Science, 2021, 372, 689-691.	12.6	192
31	The importance of size ranges in aerosol instrument intercomparisons: a case study for the Atmospheric Tomography Mission. Atmospheric Measurement Techniques, 2021, 14, 3631-3655.	3.1	34
32	Ten scientific reasons in support of airborne transmission of SARS-CoV-2. Lancet, The, 2021, 397, 1603-1605.	13.7	657
33	Chemical transport models often underestimate inorganic aerosol acidity in remote regions of the atmosphere. Communications Earth & Environment, 2021, 2, .	6.8	32
34	Sizing response of the Ultra-High Sensitivity Aerosol Spectrometer (UHSAS) and Laser Aerosol Spectrometer (LAS) to changes in submicron aerosol composition and refractive index. Atmospheric Measurement Techniques, 2021, 14, 4517-4542.	3.1	28
35	Quantification of cooking organic aerosol in the indoor environment using aerodyne aerosol mass spectrometers. Aerosol Science and Technology, 2021, 55, 1099-1114.	3.1	20
36	Large Emissions of Low-Volatility Siloxanes during Residential Oven Use. Environmental Science and Technology Letters, 2021, 8, 519-524.	8.7	16

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37	Quantifying Atmospheric Parameter Ranges for Ambient Secondary Organic Aerosol Formation. ACS Earth and Space Chemistry, 2021, 5, 2380-2397.	2.7	20
38	Impact of stratospheric air and surface emissions on tropospheric nitrous oxide during ATom. Atmospheric Chemistry and Physics, 2021, 21, 11113-11132.	4.9	5
39	Relative Humidity Predicts Day-to-Day Variations in COVID-19 Cases in the City of Buenos Aires. Environmental Science & Technology, 2021, 55, 11176-11182.	10.0	6
40	Secondary organic aerosols from anthropogenic volatile organic compounds contribute substantially to air pollution mortality. Atmospheric Chemistry and Physics, 2021, 21, 11201-11224.	4.9	60
41	Airborne transmission of respiratory viruses. Science, 2021, 373, .	12.6	693
42	Sources of Gas-Phase Species in an Art Museum from Comprehensive Real-Time Measurements. ACS Earth and Space Chemistry, 2021, 5, 2252-2267.	2.7	7
43	Halogens Enhance Haze Pollution in China. Environmental Science & Technology, 2021, 55, 13625-13637.	10.0	22
44	Transmission of SARSâ€CoVâ€2 by inhalation of respiratory aerosol in the Skagit Valley Chorale superspreading event. Indoor Air, 2021, 31, 314-323.	4.3	505
45	Ambient aerosol properties in the remote atmosphere from global-scale in situ measurements. Atmospheric Chemistry and Physics, 2021, 21, 15023-15063.	4.9	15
46	How did we get here: what are droplets and aerosols and how far do they go? A historical perspective on the transmission of respiratory infectious diseases. Interface Focus, 2021, 11, 20210049.	3.0	84
47	Evolution of OH reactivity in NO-free volatile organic compound photooxidation investigated by the fully explicit GECKO-A model. Atmospheric Chemistry and Physics, 2021, 21, 14649-14669.	4.9	4
48	The World Health Network: a global citizens' initiative. Lancet, The, 2021, 398, 1567-1568.	13.7	3
49	Determining Activity Coefficients of SOA from Isothermal Evaporation in a Laboratory Chamber. Environmental Science and Technology Letters, 2021, 8, 212-217.	8.7	7
50	Machine Learning Uncovers Aerosol Size Information From Chemistry and Meteorology to Quantify Potential Cloudâ€Forming Particles. Geophysical Research Letters, 2021, 48, .	4.0	7
51	Novel Analysis to Quantify Plume Crosswind Heterogeneity Applied to Biomass Burning Smoke. Environmental Science & Technology, 2021, 55, 15646-15657.	10.0	11
52	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. Atmospheric Chemistry and Physics, 2021, 21, 16775-16791.	4.9	18
53	Ozone chemistry in western U.S. wildfire plumes. Science Advances, 2021, 7, eabl3648.	10.3	45
54	Large contribution of biomass burning emissions to ozone throughout the global remote troposphere. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	51

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55	Reconciling Assumptions in Bottomâ€Up and Topâ€Down Approaches for Estimating Aerosol Emission Rates From Wildland Fires Using Observations From FIREXâ€AQ. Journal of Geophysical Research D: Atmospheres, 2021, 126, .	3.3	10
56	Contribution of Organic Nitrates to Organic Aerosol over South Korea during KORUS-AQ. Environmental Science & Technology, 2021, 55, 16326-16338.	10.0	8
57	Contrasting Reactive Organic Carbon Observations in the Southeast United States (SOAS) and Southern California (CalNex). Environmental Science & Technology, 2020, 54, 14923-14935.	10.0	15
58	Development and application of a low-cost vaporizer for rapid, quantitative, in situ addition of organic gases and particles to an environmental chamber. Aerosol Science and Technology, 2020, 54, 1567-1578.	3.1	4
59	Always Lost but Never Forgotten: Gas-Phase Wall Losses Are Important in All Teflon Environmental Chambers. Environmental Science & Technology, 2020, 54, 12890-12897.	10.0	24
60	Indoor Surface Chemistry: Developing a Molecular Picture of Reactions on Indoor Interfaces. CheM, 2020, 6, 3203-3218.	11.7	70
61	Putting a balance on the aerosolization debate around SARS-CoV-2. Journal of Hospital Infection, 2020, 105, 569-570.	2.9	35
62	How can airborne transmission of COVID-19 indoors be minimised?. Environment International, 2020, 142, 105832.	10.0	933
63	Asian dust observed during KORUS-AQ facilitates the uptake and incorporation of soluble pollutants during transport to South Korea. Atmospheric Environment, 2020, 224, 117305.	4.1	21
64	Nitrate radical generation via continuous generation of dinitrogen pentoxide in a laminar flow reactor coupled to an oxidation flow reactor. Atmospheric Measurement Techniques, 2020, 13, 2397-2411.	3.1	9
65	How emissions uncertainty influences the distribution and radiative impacts of smoke from fires in North America. Atmospheric Chemistry and Physics, 2020, 20, 2073-2097.	4.9	67
66	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.	4.9	66
67	Exploration of oxidative chemistry and secondary organic aerosol formation in the Amazon during the wet season: explicit modeling of the Manaus urban plume with GECKO-A. Atmospheric Chemistry and Physics, 2020, 20, 5995-6014.	4.9	9
68	Understanding and improving model representation of aerosol optical properties for a Chinese haze event measured during KORUS-AQ. Atmospheric Chemistry and Physics, 2020, 20, 6455-6478.	4.9	18
69	Estimates of Regional Source Contributions to the Asian Tropopause Aerosol Layer Using a Chemical Transport Model. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031506.	3.3	18
70	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.	2.7	10
71	Measurements and modeling of absorptive partitioning of volatile organic compounds to painted surfaces. Indoor Air, 2020, 30, 745-756.	4.3	27
72	Resolving Ambient Organic Aerosol Formation and Aging Pathways with Simultaneous Molecular Composition and Volatility Observations. ACS Earth and Space Chemistry, 2020, 4, 391-402.	2.7	19

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73	Quantitative detection of iodine in the stratosphere. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 1860-1866.	7.1	61
74	Natural and Anthropogenically Influenced Isoprene Oxidation in Southeastern United States and Central Amazon. Environmental Science & Technology, 2020, 54, 5980-5991.	10.0	22
75	Radical chemistry in oxidation flow reactors for atmospheric chemistry research. Chemical Society Reviews, 2020, 49, 2570-2616.	38.1	62
76	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.	7.1	118
77	Investigation of factors controlling PM2.5 variability across the South Korean Peninsula during KORUS-AQ. Elementa, 2020, 8, .	3.2	44
78	Long-term observational constraints of organic aerosol dependence on inorganic species in the southeast US. Atmospheric Chemistry and Physics, 2020, 20, 13091-13107.	4.9	14
79	An evaluation of global organic aerosol schemes using airborne observations. Atmospheric Chemistry and Physics, 2020, 20, 2637-2665.	4.9	90
80	Predictions of the glass transition temperature and viscosity of organic aerosols from volatility distributions. Atmospheric Chemistry and Physics, 2020, 20, 8103-8122.	4.9	47
81	Interferences with aerosol acidity quantification due to gas-phase ammonia uptake onto acidic sulfate filter samples. Atmospheric Measurement Techniques, 2020, 13, 6193-6213.	3.1	6
82	New SOA Treatments Within the Energy Exascale Earth System Model (E3SM): Strong Production and Sinks Govern Atmospheric SOA Distributions and Radiative Forcing. Journal of Advances in Modeling Earth Systems, 2020, 12, e2020MS002266.	3.8	15
83	Aging Effects on Biomass Burning Aerosol Mass and Composition: A Critical Review of Field and Laboratory Studies. Environmental Science & Technology, 2019, 53, 10007-10022.	10.0	116
84	Aerosol size distributions during the Atmospheric Tomography Mission (ATom): methods, uncertainties, and data products. Atmospheric Measurement Techniques, 2019, 12, 3081-3099.	3.1	59
85	Effects of gasâ€“wall interactions on measurements of semivolatile compounds and small polar molecules. Atmospheric Measurement Techniques, 2019, 12, 3137-3149.	3.1	45
86	Measurements of delays of gas-phase compounds in a wide variety of tubing materials due to gasâ€“wall interactions. Atmospheric Measurement Techniques, 2019, 12, 3453-3461.	3.1	64
87	Overview of HOMEChem: House Observations of Microbial and Environmental Chemistry. Environmental Sciences: Processes and Impacts, 2019, 21, 1280-1300.	3.5	140
88	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.	4.9	36
89	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. Geoscientific Model Development, 2019, 12, 2983-3000.	3.6	22
90	Observational Constraints on the Formation of Cl₂ From the Reactive Uptake of ClNO₂ on Aerosols in the Polluted Marine Boundary Layer. Journal of Geophysical Research D: Atmospheres, 2019, 124, 8851-8869.	3.3	19

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91	Comparison of Airborne Reactive Nitrogen Measurements During WINTER. Journal of Geophysical Research D: Atmospheres, 2019, 124, 10483-10502.	3.3	7
92	A large source of cloud condensation nuclei from new particle formation in the tropics. Nature, 2019, 574, 399-403.	27.8	135
93	Budgets of Organic Carbon Composition and Oxidation in Indoor Air. Environmental Science & Technology, 2019, 53, 13053-13063.	10.0	37
94	Biomass Burning Markers and Residential Burning in the WINTER Aircraft Campaign. Journal of Geophysical Research D: Atmospheres, 2019, 124, 1846-1861.	3.3	30
95	Direct measurements of semi-volatile organic compound dynamics show near-unity mass accommodation coefficients for diverse aerosols. Communications Chemistry, 2019, 2, .	4.5	42
96	Autoxidation of Limonene Emitted in a University Art Museum. Environmental Science and Technology Letters, 2019, 6, 520-524.	8.7	21
97	Biogenic emissions and landâ€“atmosphere interactions as drivers of the daytime evolution of secondary organic aerosol in the southeastern US. Atmospheric Chemistry and Physics, 2019, 19, 701-729.	4.9	11
98	Organic peroxy radical chemistry in oxidation flow reactors and environmental chambers and their atmospheric relevance. Atmospheric Chemistry and Physics, 2019, 19, 813-834.	4.9	32
99	Rates of Wintertime Atmospheric SO₂ Oxidation based on Aircraft Observations during Clearâ€Sky Conditions over the Eastern United States. Journal of Geophysical Research D: Atmospheres, 2019, 124, 6630-6649.	3.3	12
100	Towards a satellite formaldehyde â€“ in situ hybrid estimate for organic aerosol abundance. Atmospheric Chemistry and Physics, 2019, 19, 2765-2785.	4.9	15
101	Increasing Isoprene Epoxydiol-to-Inorganic Sulfate Aerosol Ratio Results in Extensive Conversion of Inorganic Sulfate to Organosulfur Forms: Implications for Aerosol Physicochemical Properties. Environmental Science & Technology, 2019, 53, 8682-8694.	10.0	111
102	Simulating secondary organic aerosol in a regional air quality model using the statistical oxidation model â€“ Part 3: Assessing the influence of semi-volatile and intermediate-volatility organic compounds and NO_{<i>x</i>}. Atmospheric Chemistry and Physics, 2019, 19, 4561-4594.	4.9	29
103	The potential role of methanesulfonic acid (MSA) in aerosol formation and growth and the associated radiative forcings. Atmospheric Chemistry and Physics, 2019, 19, 3137-3160.	4.9	86
104	Time-Resolved Measurements of Indoor Chemical Emissions, Deposition, and Reactions in a University Art Museum. Environmental Science & Technology, 2019, 53, 4794-4802.	10.0	89
105	Atmospheric Acetaldehyde: Importance of Airâ€Sea Exchange and a Missing Source in the Remote Troposphere. Geophysical Research Letters, 2019, 46, 5601-5613.	4.0	41
106	KinSim: A Research-Grade, User-Friendly, Visual Kinetics Simulator for Chemical-Kinetics and Environmental-Chemistry Teaching. Journal of Chemical Education, 2019, 96, 806-811.	2.3	41
107	Viscosities, diffusion coefficients, and mixing times of intrinsic fluorescent organic molecules in brown limonene secondary organic aerosol and tests of the Stokesâ€“Einstein equation. Atmospheric Chemistry and Physics, 2019, 19, 1491-1503.	4.9	24
108	HO_{<i>x</i>} and NO_{<i>x</i>} production in oxidation flow reactors via photolysis of isopropyl nitrite, isopropyl nitrite-d₇, and 1,3-propyl dinitrite at <i>Î»</i>â€‰=â€‰254, 350, and 369â€‰nm. Atmospheric Measurement Techniques, 2019, 12, 299-311.	3.1	13

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109	Importance of biogenic volatile organic compounds to acyl peroxy nitrates (APN) production in the southeastern US during SOAS 2013. Atmospheric Chemistry and Physics, 2019, 19, 1867-1880.	4.9	10
110	Response of the Aerodyne Aerosol Mass Spectrometer to Inorganic Sulfates and Organosulfur Compounds: Applications in Field and Laboratory Measurements. Environmental Science & Technology, 2019, 53, 5176-5186.	10.0	41
111	EURODELTA III exercise: An evaluation of air quality modelsâ€™ capacity to reproduce the carbonaceous aerosol. Atmospheric Environment: X, 2019, 2, 100018.	1.4	11
112	Widespread Pollution From Secondary Sources of Organic Aerosols During Winter in the Northeastern United States. Geophysical Research Letters, 2019, 46, 2974-2983.	4.0	25
113	OH chemistry of non-methane organic gases (NMOGs) emitted from laboratory and ambient biomass burning smoke: evaluating the influence of furans and oxygenated aromatics on ozone and secondary NMOG formation. Atmospheric Chemistry and Physics, 2019, 19, 14875-14899.	4.9	92
114	Climate Forcing and Trends of Organic Aerosols in the Community Earth System Model (CESM2). Journal of Advances in Modeling Earth Systems, 2019, 11, 4323-4351.	3.8	87
115	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. Atmospheric Chemistry and Physics, 2019, 19, 12779-12795.	4.9	24
116	Performance of a new coaxial ionâ€“molecule reaction region for low-pressure chemical ionization mass spectrometry with reduced instrument wall interactions. Atmospheric Measurement Techniques, 2019, 12, 5829-5844.	3.1	20
117	A new method to quantify mineral dust and other aerosol species from aircraft platforms using single-particle mass spectrometry. Atmospheric Measurement Techniques, 2019, 12, 6209-6239.	3.1	55
118	Anthropogenic Control Over Wintertime Oxidation of Atmospheric Pollutants. Geophysical Research Letters, 2019, 46, 14826-14835.	4.0	28
119	Laser Ablation-Aerosol Mass Spectrometry-Chemical Ionization Mass Spectrometry for Ambient Surface Imaging. Analytical Chemistry, 2018, 90, 4046-4053.	6.5	6
120	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.	2.7	24
121	Secondary organic aerosol formation from ambient air in an oxidation flow reactor in central Amazonia. Atmospheric Chemistry and Physics, 2018, 18, 467-493.	4.9	63
122	Heterogeneous N₂O₅ Uptake During Winter: Aircraft Measurements During the 2015 WINTER Campaign and Critical Evaluation of Current Parameterizations. Journal of Geophysical Research D: Atmospheres, 2018, 123, 4345-4372.	3.3	103
123	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.	7.1	186
124	Volatile chemical products emerging as largest petrochemical source of urban organic emissions. Science, 2018, 359, 760-764.	12.6	716
125	Laboratory evaluation of species-dependent relative ionization efficiencies in the Aerodyne Aerosol Mass Spectrometer. Aerosol Science and Technology, 2018, 52, 626-641.	3.1	49
126	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.	2.7	26

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127	Synthesis of the Southeast Atmosphere Studies: Investigating Fundamental Atmospheric Chemistry Questions. Bulletin of the American Meteorological Society, 2018, 99, 547-567.	3.3	62
128	Southeast Atmosphere Studies: learning from model-observation syntheses. Atmospheric Chemistry and Physics, 2018, 18, 2615-2651.	4.9	36
129	Exploring the observational constraints on the simulation of brown carbon. Atmospheric Chemistry and Physics, 2018, 18, 635-653.	4.9	121
130	Non-methane organic gas emissions from biomass burning: identification, quantification, and emission factors from PTR-ToF during the FIREX 2016 laboratory experiment. Atmospheric Chemistry and Physics, 2018, 18, 3299-3319.	4.9	233
131	Evaluation of the new capture vaporizer for aerosol mass spectrometers: Characterization of organic aerosol mass spectra. Aerosol Science and Technology, 2018, 52, 725-739.	3.1	25
132	Organosulfates in aerosols downwind of an urban region in central Amazon. Environmental Sciences: Processes and Impacts, 2018, 20, 1546-1558.	3.5	40
133	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.	4.9	105
134	Is there an aerosol signature of chemical cloud processing?. Atmospheric Chemistry and Physics, 2018, 18, 16099-16119.	4.9	30
135	ClNO₂ Yields From Aircraft Measurements During the 2015 WINTER Campaign and Critical Evaluation of the Current Parameterization. Journal of Geophysical Research D: Atmospheres, 2018, 123, 12,994.	3.3	31
136	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.	4.9	12
137	An omnipresent diversity and variability in the chemical composition of atmospheric functionalized organic aerosol. Communications Chemistry, 2018, 1, .	4.5	25
138	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.	3.3	49
139	Functional Group Composition of Secondary Organic Aerosol Formed from Ozonolysis of Î±-Pinene Under High VOC and Autoxidation Conditions. ACS Earth and Space Chemistry, 2018, 2, 1196-1210.	2.7	58
140	Wintertime Gasâ€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.	3.3	21
141	Airborne Observations of Reactive Inorganic Chlorine and Bromine Species in the Exhaust of Coalâ€Fired Power Plants. Journal of Geophysical Research D: Atmospheres, 2018, 123, 11225-11237.	3.3	33
142	Observations of sesquiterpenes and their oxidation products in central Amazonia during the wet and dry seasons. Atmospheric Chemistry and Physics, 2018, 18, 10433-10457.	4.9	53
143	Photochemical model evaluation of 2013 California wild fire air quality impacts using surface, aircraft, and satellite data. Science of the Total Environment, 2018, 637-638, 1137-1149.	8.0	47
144	Chemical feedbacks weaken the wintertime response of particulate sulfate and nitrate to emissions reductions over the eastern United States. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8110-8115.	7.1	118

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145	Characterization of the Real Part of Dry Aerosol Refractive Index Over North America From the Surface to 12Âkm. Journal of Geophysical Research D: Atmospheres, 2018, 123, 8283-8300.	3.3	24
146	Flight Deployment of a Highâ€Resolution Timeâ€ofâ€Flight Chemical Ionization Mass Spectrometer: Observations of Reactive Halogen and Nitrogen Oxide Species. Journal of Geophysical Research D: Atmospheres, 2018, 123, 7670-7686.	3.3	39
147	Ambient Measurements of Highly Oxidized Gas-Phase Molecules during the Southern Oxidant and Aerosol Study (SOAS) 2013. ACS Earth and Space Chemistry, 2018, 2, 653-672.	2.7	56
148	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.	4.9	47
149	Sources and Secondary Production of Organic Aerosols in the Northeastern United States during WINTER. Journal of Geophysical Research D: Atmospheres, 2018, 123, 7771-7796.	3.3	71
150	Urban influence on the concentration and composition of submicron particulate matter in central Amazonia. Atmospheric Chemistry and Physics, 2018, 18, 12185-12206.	4.9	30
151	Observations of Manaus urban plume evolution and interaction with biogenic emissions in GoAmazon 2014/5. Atmospheric Environment, 2018, 191, 513-524.	4.1	17
152	NO_x Lifetime and NO_y Partitioning During WINTER. Journal of Geophysical Research D: Atmospheres, 2018, 123, 9813-9827.	3.3	52
153	Observations of sesquiterpenes and their oxidation products in central Amazonia during the wet and dry seasons. Atmospheric Chemistry and Physics, 2018, 18, 10433-10457.	4.9	22
154	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.	3.1	63
155	Gas-Phase Carboxylic Acids in a University Classroom: Abundance, Variability, and Sources. Environmental Science & Technology, 2017, 51, 5454-5463.	10.0	59
156	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.	3.3	10
157	The Global Aerosol Synthesis and Science Project (GASSP): Measurements and Modeling to Reduce Uncertainty. Bulletin of the American Meteorological Society, 2017, 98, 1857-1877.	3.3	52
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