

Jose L Jimenez

List of Publications by Year in descending order

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498
papers

77,055
citations

576

129
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1142

237
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816
all docs

816
docs citations

816
times ranked

22541
citing authors

#	ARTICLE	IF	CITATIONS
1	The formation, properties and impact of secondary organic aerosol: current and emerging issues. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 5155-5236.	1.9	3,486
2	Evolution of Organic Aerosols in the Atmosphere. <i>Science</i> , 2009, 326, 1525-1529.	6.0	3,374
3	Field-Deployable, High-Resolution, Time-of-Flight Aerosol Mass Spectrometer. <i>Analytical Chemistry</i> , 2006, 78, 8281-8289.	3.2	1,968
4	Ubiquity and dominance of oxygenated species in organic aerosols in anthropogenically influenced Northern Hemisphere midlatitudes. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	1,773
5	Chemical and microphysical characterization of ambient aerosols with the aerodyne aerosol mass spectrometer. <i>Mass Spectrometry Reviews</i> , 2007, 26, 185-222.	2.8	1,708
6	O/C and OM/OC Ratios of Primary, Secondary, and Ambient Organic Aerosols with High-Resolution Time-of-Flight Aerosol Mass Spectrometry. <i>Environmental Science & Technology</i> , 2008, 42, 4478-4485.	4.6	1,524
7	Interpretation of organic components from Positive Matrix Factorization of aerosol mass spectrometric data. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 2891-2918.	1.9	1,276
8	Secondary organic aerosol formation from anthropogenic air pollution: Rapid and higher than expected. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	1,027
9	How can airborne transmission of COVID-19 indoors be minimised?. <i>Environment International</i> , 2020, 142, 105832.	4.8	933
10	Organic aerosol components observed in Northern Hemispheric datasets from Aerosol Mass Spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 4625-4641.	1.9	908
11	Carbon oxidation state as a metric for describing the chemistry of atmospheric organic aerosol. <i>Nature Chemistry</i> , 2011, 3, 133-139.	6.6	890
12	Particle Morphology and Density Characterization by Combined Mobility and Aerodynamic Diameter Measurements. Part 1: Theory. <i>Aerosol Science and Technology</i> , 2004, 38, 1185-1205.	1.5	811
13	Ambient aerosol sampling using the Aerodyne Aerosol Mass Spectrometer. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	801
14	Understanding atmospheric organic aerosols via factor analysis of aerosol mass spectrometry: a review. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 3045-3067.	1.9	764
15	Elemental ratio measurements of organic compounds using aerosol mass spectrometry: characterization, improved calibration, and implications. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 253-272.	1.9	736
16	A New Time-of-Flight Aerosol Mass Spectrometer (TOF-AMS) Instrument Description and First Field Deployment. <i>Aerosol Science and Technology</i> , 2005, 39, 637-658.	1.5	719
17	Volatile chemical products emerging as largest petrochemical source of urban organic emissions. <i>Science</i> , 2018, 359, 760-764.	6.0	716
18	Marine aerosol formation from biogenic iodine emissions. <i>Nature</i> , 2002, 417, 632-636.	13.7	705

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19	A generalised method for the extraction of chemically resolved mass spectra from Aerodyne aerosol mass spectrometer data. <i>Journal of Aerosol Science</i> , 2004, 35, 909-922.	1.8	702
20	Evaluation of Composition-Dependent Collection Efficiencies for the Aerodyne Aerosol Mass Spectrometer using Field Data. <i>Aerosol Science and Technology</i> , 2012, 46, 258-271.	1.5	699
21	Airborne transmission of respiratory viruses. <i>Science</i> , 2021, 373, .	6.0	693
22	Ten scientific reasons in support of airborne transmission of SARS-CoV-2. <i>Lancet, The</i> , 2021, 397, 1603-1605.	6.3	657
23	Deconvolution and Quantification of Hydrocarbon-like and Oxygenated Organic Aerosols Based on Aerosol Mass Spectrometry. <i>Environmental Science & Technology</i> , 2005, 39, 4938-4952.	4.6	617
24	Hydrocarbon-like and oxygenated organic aerosols in Pittsburgh: insights into sources and processes of organic aerosols. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 3289-3311.	1.9	572
25	Absorption Angstrom Exponent in AERONET and related data as an indicator of aerosol composition. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1155-1169.	1.9	554
26	Recent advances in understanding secondary organic aerosol: Implications for global climate forcing. <i>Reviews of Geophysics</i> , 2017, 55, 509-559.	9.0	548
27	Rainforest Aerosols as Biogenic Nuclei of Clouds and Precipitation in the Amazon. <i>Science</i> , 2010, 329, 1513-1516.	6.0	541
28	Mexico City aerosol analysis during MILAGRO using high resolution aerosol mass spectrometry at the urban supersite (T0) – Part 1: Fine particle composition and organic source apportionment. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 6633-6653.	1.9	525
29	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.	1.9	520
30	Transmission of SARS-CoV-2 by inhalation of respiratory aerosol in the Skagit Valley Chorale superspreading event. <i>Indoor Air</i> , 2021, 31, 314-323.	2.0	505
31	Changes in organic aerosol composition with aging inferred from aerosol mass spectra. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6465-6474.	1.9	493
32	Elemental Analysis of Organic Species with Electron Ionization High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 2007, 79, 8350-8358.	3.2	490
33	Identification and quantification of organic aerosol from cooking and other sources in Barcelona using aerosol mass spectrometer data. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1649-1665.	1.9	449
34	Response of an aerosol mass spectrometer to organonitrates and organosulfates and implications for atmospheric chemistry. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6670-6675.	3.3	437
35	Emissions from biomass burning in the Yucatan. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 5785-5812.	1.9	433
36	Aerosol mass spectrometer constraint on the global secondary organic aerosol budget. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 12109-12136.	1.9	421

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37	A missing sink for gas-phase glyoxal in Mexico City: Formation of secondary organic aerosol. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	415
38	A simplified description of the evolution of organic aerosol composition in the atmosphere. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	412
39	Fast airborne aerosol size and chemistry measurements above Mexico City and Central Mexico during the MILAGRO campaign. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 4027-4048.	1.9	411
40	Chase Studies of Particulate Emissions from in-use New York City Vehicles. <i>Aerosol Science and Technology</i> , 2004, 38, 555-573.	1.5	407
41	Characterization of urban and rural organic particulate in the Lower Fraser Valley using two Aerodyne Aerosol Mass Spectrometers. <i>Atmospheric Environment</i> , 2004, 38, 5745-5758.	1.9	384
42	Quantitative sampling using an Aerodyne aerosol mass spectrometer 1. Techniques of data interpretation and error analysis. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	374
43	Organic Aerosols in the Earth's Atmosphere. <i>Environmental Science & Technology</i> , 2009, 43, 7614-7618.	4.6	374
44	Characterization of Primary Organic Aerosol Emissions from Meat Cooking, Trash Burning, and Motor Vehicles with High-Resolution Aerosol Mass Spectrometry and Comparison with Ambient and Chamber Observations. <i>Environmental Science & Technology</i> , 2009, 43, 2443-2449.	4.6	365
45	The AeroCom evaluation and intercomparison of organic aerosol in global models. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10845-10895.	1.9	363
46	High concentrations of biological aerosol particles and ice nuclei during and after rain. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 6151-6164.	1.9	355
47	An overview of the MILAGRO 2006 Campaign: Mexico City emissions and their transport and transformation. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 8697-8760.	1.9	349
48	Review of Urban Secondary Organic Aerosol Formation from Gasoline and Diesel Motor Vehicle Emissions. <i>Environmental Science & Technology</i> , 2017, 51, 1074-1093.	4.6	348
49	Cloud condensation nuclei in pristine tropical rainforest air of Amazonia: size-resolved measurements and modeling of atmospheric aerosol composition and CCN activity. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 7551-7575.	1.9	347
50	Characterization of ambient aerosols in Mexico City during the MCMA-2003 campaign with Aerosol Mass Spectrometry: results from the CENICA Supersite. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 925-946.	1.9	341
51	A Case Study of Urban Particle Acidity and Its Influence on Secondary Organic Aerosol. <i>Environmental Science & Technology</i> , 2007, 41, 3213-3219.	4.6	341
52	Modeling organic aerosols in a megacity: potential contribution of semi-volatile and intermediate volatility primary organic compounds to secondary organic aerosol formation. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5491-5514.	1.9	340
53	Real-Time Methods for Estimating Organic Component Mass Concentrations from Aerosol Mass Spectrometer Data. <i>Environmental Science & Technology</i> , 2011, 45, 910-916.	4.6	336
54	Relating hygroscopicity and composition of organic aerosol particulate matter. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1155-1165.	1.9	326

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55	Investigation of the sources and processing of organic aerosol over the Central Mexican Plateau from aircraft measurements during MILAGRO. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5257-5280.	1.9	325
56	Evaluation of the volatility basis-set approach for the simulation of organic aerosol formation in the Mexico City metropolitan area. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 525-546.	1.9	321
57	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.	1.9	308
58	Measurements of Secondary Organic Aerosol from Oxidation of Cycloalkenes, Terpenes, and m-Xylene Using an Aerodyne Aerosol Mass Spectrometer. <i>Environmental Science & Technology</i> , 2005, 39, 5674-5688.	4.6	307
59	Nitrate radicals and biogenic volatile organic compounds: oxidation, mechanisms, and organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 2103-2162.	1.9	307
60	Sources of carbonaceous aerosols and deposited black carbon in the Arctic in winter-spring: implications for radiative forcing. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 12453-12473.	1.9	298
61	Chemically-resolved aerosol volatility measurements from two megacity field studies. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 7161-7182.	1.9	289
62	Air quality in North America's most populous city – overview of the MCMA-2003 campaign. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 2447-2473.	1.9	286
63	Evolution of brown carbon in wildfire plumes. <i>Geophysical Research Letters</i> , 2015, 42, 4623-4630.	1.5	284
64	Apportionment of Primary and Secondary Organic Aerosols in Southern California during the 2005 Study of Organic Aerosols in Riverside (SOAR-1). <i>Environmental Science & Technology</i> , 2008, 42, 7655-7662.	4.6	273
65	Loading-dependent elemental composition of α -pinene SOA particles. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 771-782.	1.9	272
66	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, 1516-1521.	3.3	269
67	Importance of secondary sources in the atmospheric budgets of formic and acetic acids. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1989-2013.	1.9	266
68	Dismantling myths on the airborne transmission of severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2). <i>Journal of Hospital Infection</i> , 2021, 110, 89-96.	1.4	264
69	Evaluation of recently-proposed secondary organic aerosol models for a case study in Mexico City. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 5681-5709.	1.9	261
70	Insights into the Chemistry of New Particle Formation and Growth Events in Pittsburgh Based on Aerosol Mass Spectrometry. <i>Environmental Science & Technology</i> , 2004, 38, 4797-4809.	4.6	259
71	Analysis of aircraft and satellite measurements from the Intercontinental Chemical Transport Experiment (INTEX-B) to quantify long-range transport of East Asian sulfur to Canada. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 2999-3014.	1.9	259
72	Chemical composition, sources, and aging process of submicron aerosols in Beijing: Contrast between summer and winter. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 1955-1977.	1.2	259

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73	Aqueous-phase mechanism for secondary organic aerosol formation from isoprene: application to the southeast United States and co-benefit of SO ₂ and NO _x emission controls. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1603-1618.	1.9	257
74	Oxygenated and water-soluble organic aerosols in Tokyo. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	256
75	Exploring the vertical profile of atmospheric organic aerosol: comparing 17 aircraft field campaigns with a global model. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 12673-12696.	1.9	240
76	Nitrogen oxides and PAN in plumes from boreal fires during ARCTAS-B and their impact on ozone: an integrated analysis of aircraft and satellite observations. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 9739-9760.	1.9	234
77	Quantitative estimates of the volatility of ambient organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5409-5424.	1.9	233
78	Non-methane organic gas emissions from biomass burning: identification, quantification, and emission factors from PTR-ToF during the FIREX 2016 laboratory experiment. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 3299-3319.	1.9	233
79	Organic aerosol composition and sources in Pasadena, California, during the 2010 CalNex campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 9233-9257.	1.2	231
80	Organic aerosol formation in urban and industrial plumes near Houston and Dallas, Texas. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	230
81	Modeling organic aerosols in a megacity: comparison of simple and complex representations of the volatility basis set approach. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 6639-6662.	1.9	230
82	Time- and size-resolved chemical composition of submicron particles in Pittsburgh: Implications for aerosol sources and processes. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	229
83	Chemistry of hydrogen oxide radicals (HO _x) in the Arctic troposphere in spring. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5823-5838.	1.9	220
84	Formation of Nitrogen-Containing Oligomers by Methylglyoxal and Amines in Simulated Evaporating Cloud Droplets. <i>Environmental Science & Technology</i> , 2011, 45, 984-991.	4.6	220
85	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.	1.9	218
86	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.	1.9	217
87	Rethinking the global secondary organic aerosol (SOA) budget: stronger production, faster removal, shorter lifetime. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 7917-7941.	1.9	216
88	Introduction: Observations and Modeling of the Green Ocean Amazon (GoAmazon2014/5). <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4785-4797.	1.9	213
89	Particle Morphology and Density Characterization by Combined Mobility and Aerodynamic Diameter Measurements. Part 2: Application to Combustion-Generated Soot Aerosols as a Function of Fuel Equivalence Ratio. <i>Aerosol Science and Technology</i> , 2004, 38, 1206-1222.	1.5	212
90	Biomass burning dominates brown carbon absorption in the rural southeastern United States. <i>Geophysical Research Letters</i> , 2015, 42, 653-664.	1.5	212

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91	Secondary Organic Aerosol-Forming Reactions of Glyoxal with Amino Acids. <i>Environmental Science & Technology</i> , 2009, 43, 2818-2824.	4.6	206
92	The importance of aerosol mixing state and size-resolved composition on CCN concentration and the variation of the importance with atmospheric aging of aerosols. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 7267-7283.	1.9	206
93	Emissions of black carbon, organic, and inorganic aerosols from biomass burning in North America and Asia in 2008. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	206
94	Sources, distribution, and acidity of sulfate&ammonium aerosol in the Arctic in winter&spring. <i>Atmospheric Environment</i> , 2011, 45, 7301-7318.	1.9	206
95	Organic haze on Titan and the early Earth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 18035-18042.	3.3	205
96	Development and Characterization of a Fast-Stepping/Scanning Thermodenuder for Chemically-Resolved Aerosol Volatility Measurements. <i>Aerosol Science and Technology</i> , 2008, 42, 395-407.	1.5	201
97	Chemically-Resolved Volatility Measurements of Organic Aerosol from Different Sources. <i>Environmental Science & Technology</i> , 2009, 43, 5351-5357.	4.6	201
98	New particle formation from photooxidation of diiodomethane (CH ₂ I ₂). <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	200
99	The 2010 California Research at the Nexus of Air Quality and Climate Change (CalNex) field study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 5830-5866.	1.2	199
100	Design, Modeling, Optimization, and Experimental Tests of a Particle Beam Width Probe for the Aerodyne Aerosol Mass Spectrometer. <i>Aerosol Science and Technology</i> , 2005, 39, 1143-1163.	1.5	196
101	A paradigm shift to combat indoor respiratory infection. <i>Science</i> , 2021, 372, 689-691.	6.0	192
102	On the implications of aerosol liquid water and phase separation for organic aerosol mass. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 343-369.	1.9	189
103	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.	3.3	186
104	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.	1.9	185
105	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.	1.2	184
106	Mexico city aerosol analysis during MILAGRO using high resolution aerosol mass spectrometry at the urban supersite (T0) & Part 2: Analysis of the biomass burning contribution and the non-fossil carbon fraction. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5315-5341.	1.9	182
107	Ubiquity of organic nitrates from nighttime chemistry in the European submicron aerosol. <i>Geophysical Research Letters</i> , 2016, 43, 7735-7744.	1.5	182
108	Exhaled CO ₂ as a COVID-19 Infection Risk Proxy for Different Indoor Environments and Activities. <i>Environmental Science and Technology Letters</i> , 2021, 8, 392-397.	3.9	180

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109	Characterization of an Aerodyne Aerosol Mass Spectrometer (AMS): Intercomparison with Other Aerosol Instruments. <i>Aerosol Science and Technology</i> , 2005, 39, 760-770.	1.5	179
110	Gas-particle partitioning of primary organic aerosol emissions: 3. Biomass burning. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 11,327.	1.2	178
111	Quantification of Gas-Wall Partitioning in Teflon Environmental Chambers Using Rapid Bursts of Low-Volatility Oxidized Species Generated in Situ. <i>Environmental Science & Technology</i> , 2016, 50, 5757-5765.	4.6	178
112	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.	1.2	176
113	Secondary Organic Aerosol Formation by Self-Reactions of Methylglyoxal and Glyoxal in Evaporating Droplets. <i>Environmental Science & Technology</i> , 2009, 43, 8184-8190.	4.6	174
114	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. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 5969-5991.	1.9	173
115	Formation of Low Volatility Organic Compounds and Secondary Organic Aerosol from Isoprene Hydroxyhydroperoxide Low-NO Oxidation. <i>Environmental Science & Technology</i> , 2015, 49, 10330-10339.	4.6	172
116	The influence of chemical composition and mixing state of Los Angeles urban aerosol on CCN number and cloud properties. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 5649-5667.	1.9	171
117	Mass spectral characterization of submicron biogenic organic particles in the Amazon Basin. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	171
118	Evolution of Asian aerosols during transpacific transport in INTEX-B. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 7257-7287.	1.9	170
119	An overview of the Amazonian Aerosol Characterization Experiment 2008 (AMAZE-08). <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 11415-11438.	1.9	170
120	Top-of-atmosphere radiative forcing affected by brown carbon in the upper troposphere. <i>Nature Geoscience</i> , 2017, 10, 486-489.	5.4	168
121	Fine particle pH and gas-particle phase partitioning of inorganic species in Pasadena, California, during the 2010 CalNex campaign. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 5703-5719.	1.9	168
122	Detection of particle-phase polycyclic aromatic hydrocarbons in Mexico City using an aerosol mass spectrometer. <i>International Journal of Mass Spectrometry</i> , 2007, 263, 152-170.	0.7	167
123	Quantitative sampling using an Aerodyne aerosol mass spectrometer 2. Measurements of fine particulate chemical composition in two U.K. cities. <i>Journal of Geophysical Research</i> , 2003, 108, n/a-n/a.	3.3	166
124	Simulation of semi-explicit mechanisms of SOA formation from glyoxal in aerosol in a 3-D model. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 6213-6239.	1.9	166
125	The Deep Convective Clouds and Chemistry (DC3) Field Campaign. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 1281-1309.	1.7	165
126	Correlation of secondary organic aerosol with odd oxygen in Mexico City. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	161

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127	Measurements of heterogeneous ice nuclei in the western United States in springtime and their relation to aerosol characteristics. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	159
128	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.	1.9	157
129	Chemical Smoke Marker Emissions During Flaming and Smoldering Phases of Laboratory Open Burning of Wildland Fuels. <i>Aerosol Science and Technology</i> , 2010, 44, i-v.	1.5	156
130	Evidence for a significant proportion of Secondary Organic Aerosol from isoprene above a maritime tropical forest. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 1039-1050.	1.9	152
131	Sources and transformations of particle-bound polycyclic aromatic hydrocarbons in Mexico City. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 1733-1745.	1.9	151
132	Observations of gas- and aerosol-phase organic nitrates at BEACHON-RoMBAS 2011. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 8585-8605.	1.9	150
133	Seasonal and diurnal variations of submicron organic aerosol in Tokyo observed using the Aerodyne aerosol mass spectrometer. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	149
134	Atmospheric condensed-phase reactions of glyoxal with methylamine. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	147
135	Insights on organic aerosol aging and the influence of coal combustion at a regional receptor site of central eastern China. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 10095-10112.	1.9	145
136	Numerical Characterization of Particle Beam Collimation: Part II Integrated Aerodynamic-Lens "Nozzle System. <i>Aerosol Science and Technology</i> , 2004, 38, 619-638.	1.5	143
137	Molecular Composition and Volatility of Organic Aerosol in the Southeastern U.S.: Implications for IEPOX Derived SOA. <i>Environmental Science & Technology</i> , 2016, 50, 2200-2209.	4.6	141
138	Overview of HOMEChem: House Observations of Microbial and Environmental Chemistry. <i>Environmental Sciences: Processes and Impacts</i> , 2019, 21, 1280-1300.	1.7	140
139	Modeling the formation and aging of secondary organic aerosols in Los Angeles during CalNex 2010. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 5773-5801.	1.9	139
140	Evaluating simulated primary anthropogenic and biomass burning organic aerosols during MILAGRO: implications for assessing treatments of secondary organic aerosols. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 6191-6215.	1.9	138
141	Biomass burning and urban air pollution over the Central Mexican Plateau. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 4929-4944.	1.9	138
142	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.	1.9	137
143	A large source of cloud condensation nuclei from new particle formation in the tropics. <i>Nature</i> , 2019, 574, 399-403.	13.7	135
144	Direct evidence for chlorine-enhanced urban ozone formation in Houston, Texas. <i>Atmospheric Environment</i> , 2003, 37, 1393-1400.	1.9	134

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145	Gasoline cars produce more carbonaceous particulate matter than modern filter-equipped diesel cars. <i>Scientific Reports</i> , 2017, 7, 4926.	1.6	133
146	The effect of dry and wet deposition of condensable vapors on secondary organic aerosols concentrations over the continental US. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 1-18.	1.9	132
147	Pollution influences on atmospheric composition and chemistry at high northern latitudes: Boreal and California forest fire emissions. <i>Atmospheric Environment</i> , 2010, 44, 4553-4564.	1.9	131
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