Jose L Jimenez

List of Publications by Year
in descending order

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498	77,055	484 129	981 237
papers	citations	h-index	g-index

816	816	816	20298
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The formation, properties and impact of secondary organic aerosol: current and emerging issues. Atmospheric Chemistry and Physics, 2009, 9, 5155-5236.	1.9	3,486
2	Evolution of Organic Aerosols in the Atmosphere. Science, 2009, 326, 1525-1529.	6.0	3,374
3	Field-Deployable, High-Resolution, Time-of-Flight Aerosol Mass Spectrometer. Analytical Chemistry, 2006, 78, 8281-8289.	3.2	1,968
4	Ubiquity and dominance of oxygenated species in organic aerosols in anthropogenicallyâ€influenced Northern Hemisphere midlatitudes. Geophysical Research Letters, 2007, 34, .	1.5	1,773
5	Chemical and microphysical characterization of ambient aerosols with the aerodyne aerosol mass spectrometer. Mass Spectrometry Reviews, 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. Environmental Science & Technology, 2008, 42, 4478-4485.	4.6	1,524
7	Interpretation of organic components from Positive Matrix Factorization of aerosol mass spectrometric data. Atmospheric Chemistry and Physics, 2009, 9, 2891-2918.	1.9	1,276
8	Secondary organic aerosol formation from anthropogenic air pollution: Rapid and higher than expected. Geophysical Research Letters, 2006, 33, .	1.5	1,027
9	How can airborne transmission of COVID-19 indoors be minimised?. Environment International, 2020, 142, 105832.	4.8	933
10	Organic aerosol components observed in Northern Hemispheric datasets from Aerosol Mass Spectrometry. Atmospheric Chemistry and Physics, 2010, 10, 4625-4641.	1.9	908
11	Carbon oxidation state as a metric for describing the chemistry of atmospheric organic aerosol. Nature Chemistry, 2011, 3, 133-139.	6.6	890
12	Particle Morphology and Density Characterization by Combined Mobility and Aerodynamic Diameter Measurements. Part 1: Theory. Aerosol Science and Technology, 2004, 38, 1185-1205.	1.5	811
13	Ambient aerosol sampling using the Aerodyne Aerosol Mass Spectrometer. Journal of Geophysical Research, 2003, 108, .	3.3	801
14	Understanding atmospheric organic aerosols via factor analysis of aerosol mass spectrometry: a review. Analytical and Bioanalytical Chemistry, 2011, 401, 3045-3067.	1.9	764
15	Elemental ratio measurements of organic compounds using aerosol mass spectrometry: characterization, improved calibration, and implications. Atmospheric Chemistry and Physics, 2015, 15, 253-272.	1.9	736
16	A New Time-of-Flight Aerosol Mass Spectrometer (TOF-AMS)â€”Instrument Description and First Field Deployment. Aerosol Science and Technology, 2005, 39, 637-658.	1.5	719
17	Volatile chemical products emerging as largest petrochemical source of urban organic emissions. Science, 2018, 359, 760-764.	6.0	716
18	Marine aerosol formation from biogenic iodine emissions. Nature, 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. Journal of Aerosol Science, 2004, 35, 909-922.	1.8	702
20	Evaluation of Composition-Dependent Collection Efficiencies for the Aerodyne Aerosol Mass Spectrometer using Field Data. Aerosol Science and Technology, 2012, 46, 258-271.	1.5	699
21	Airborne transmission of respiratory viruses. Science, 2021, 373, .	6.0	693
22	Ten scientific reasons in support of airborne transmission of SARS-CoV-2. Lancet, The, 2021, 397, 1603-1605.	6.3	657
23	Deconvolution and Quantification of Hydrocarbon-like and Oxygenated Organic Aerosols Based on Aerosol Mass Spectrometry. Environmental Science & Technology, 2005, 39, 4938-4952.	4.6	617
24	Hydrocarbon-like and oxygenated organic aerosols in Pittsburgh: insights into sources and processes of organic aerosols. Atmospheric Chemistry and Physics, 2005, 5, 3289-3311.	1.9	572
25	Absorption Angstrom Exponent in AERONET and related data as an indicator of aerosol composition. Atmospheric Chemistry and Physics, 2010, 10, 1155-1169.	1.9	554
26	Recent advances in understanding secondary organic aerosol: Implications for global climate forcing. Reviews of Geophysics, 2017, 55, 509-559.	9.0	548
27	Rainforest Aerosols as Biogenic Nuclei of Clouds and Precipitation in the Amazon. Science, 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) â€“ Part 1: Fine particle composition and organic source apportionment. Atmospheric Chemistry and Physics, 2009, 9, 6633-6653.	1.9	525
29	Effects of aging on organic aerosol from open biomass burning smoke in aircraft and laboratory studies. Atmospheric Chemistry and Physics, 2011, 11, 12049-12064.	1.9	520
30	Transmission of SARSâ€CoVâ€2 by inhalation of respiratory aerosol in the Skagit Valley Chorale superspreading event. Indoor Air, 2021, 31, 314-323.	2.0	505
31	Changes in organic aerosol composition with aging inferred from aerosol mass spectra. Atmospheric Chemistry and Physics, 2011, 11, 6465-6474.	1.9	493
32	Elemental Analysis of Organic Species with Electron Ionization High-Resolution Mass Spectrometry. Analytical Chemistry, 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. Atmospheric Chemistry and Physics, 2012, 12, 1649-1665.	1.9	449
34	Response of an aerosol mass spectrometer to organonitrates and organosulfates and implications for atmospheric chemistry. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6670-6675.	3.3	437
35	Emissions from biomass burning in the Yucatan. Atmospheric Chemistry and Physics, 2009, 9, 5785-5812.	1.9	433
36	Aerosol mass spectrometer constraint on the global secondary organic aerosol budget. Atmospheric Chemistry and Physics, 2011, 11, 12109-12136.	1.9	421

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37	A missing sink for gasâ€phase glyoxal in Mexico City: Formation of secondary organic aerosol. Geophysical Research Letters, 2007, 34, .	1.5	415
38	A simplified description of the evolution of organic aerosol composition in the atmosphere. Geophysical Research Letters, 2010, 37, .	1.5	412
39	Fast airborne aerosol size and chemistry measurements above Mexico City and Central Mexico during the MILAGRO campaign. Atmospheric Chemistry and Physics, 2008, 8, 4027-4048.	1.9	411
40	Chase Studies of Particulate Emissions from in-use New York City Vehicles. Aerosol Science and Technology, 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. Atmospheric Environment, 2004, 38, 5745-5758.	1.9	384
42	Quantitative sampling using an Aerodyne aerosol mass spectrometer 1. Techniques of data interpretation and error analysis. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	374
43	Organic Aerosols in the Earthâ€™s Atmosphere. Environmental Science & Technology, 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. Environmental Science & Technology, 2009, 43, 2443-2449.	4.6	365
45	The AeroCom evaluation and intercomparison of organic aerosol in global models. Atmospheric Chemistry and Physics, 2014, 14, 10845-10895.	1.9	363
46	High concentrations of biological aerosol particles and ice nuclei during and after rain. Atmospheric Chemistry and Physics, 2013, 13, 6151-6164.	1.9	355
47	An overview of the MILAGRO 2006 Campaign: Mexico City emissions and their transport and transformation. Atmospheric Chemistry and Physics, 2010, 10, 8697-8760.	1.9	349
48	Review of Urban Secondary Organic Aerosol Formation from Gasoline and Diesel Motor Vehicle Emissions. Environmental Science & Technology, 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. Atmospheric Chemistry and Physics, 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. Atmospheric Chemistry and Physics, 2006, 6, 925-946.	1.9	341
51	A Case Study of Urban Particle Acidity and Its Influence on Secondary Organic Aerosol. Environmental Science & Technology, 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. Atmospheric Chemistry and Physics, 2010, 10, 5491-5514.	1.9	340
53	Real-Time Methods for Estimating Organic Component Mass Concentrations from Aerosol Mass Spectrometer Data. Environmental Science & Technology, 2011, 45, 910-916.	4.6	336
54	Relating hygroscopicity and composition of organic aerosol particulate matter. Atmospheric Chemistry and Physics, 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. Atmospheric Chemistry and Physics, 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. Atmospheric Chemistry and Physics, 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. Atmospheric Chemistry and Physics, 2014, 14, 6159-6176.	1.9	308
58	Measurements of Secondary Organic Aerosol from Oxidation of Cycloalkenes, Terpenes, andm-Xylene Using an Aerodyne Aerosol Mass Spectrometer. Environmental Science & Technology, 2005, 39, 5674-5688.	4.6	307
59	Nitrate radicals and biogenic volatile organic compounds: oxidation, mechanisms, and organic aerosol. Atmospheric Chemistry and Physics, 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. Atmospheric Chemistry and Physics, 2011, 11, 12453-12473.	1.9	298
61	Chemically-resolved aerosol volatility measurements from two megacity field studies. Atmospheric Chemistry and Physics, 2009, 9, 7161-7182.	1.9	289
62	Air quality in North America's most populous city â€“ overview of the MCMA-2003 campaign. Atmospheric Chemistry and Physics, 2007, 7, 2447-2473.	1.9	286
63	Evolution of brown carbon in wildfire plumes. Geophysical Research Letters, 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). Environmental Science & Technology, 2008, 42, 7655-7662.	4.6	273
65	Loading-dependent elemental composition of Î±-pinene SOA particles. Atmospheric Chemistry and Physics, 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. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 1516-1521.	3.3	269
67	Importance of secondary sources in the atmospheric budgets of formic and acetic acids. Atmospheric Chemistry and Physics, 2011, 11, 1989-2013.	1.9	266
68	Dismantling myths on the airborne transmission of severe acute respiratory syndrome coronavirus-2 (SARS-CoV-2). Journal of Hospital Infection, 2021, 110, 89-96.	1.4	264
69	Evaluation of recently-proposed secondary organic aerosol models for a case study in Mexico City. Atmospheric Chemistry and Physics, 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. Environmental Science & Technology, 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. Atmospheric Chemistry and Physics, 2008, 8, 2999-3014.	1.9	259
72	Chemical composition, sources, and aging process of submicron aerosols in Beijing: Contrast between summer and winter. Journal of Geophysical Research D: Atmospheres, 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 SO₂ emission controls. Atmospheric Chemistry and Physics, 2016, 16, 1603-1618.	1.9	257
74	Oxygenated and water-soluble organic aerosols in Tokyo. Journal of Geophysical Research, 2007, 112, .	3.3	256
75	Exploring the vertical profile of atmospheric organic aerosol: comparing 17 aircraft field campaigns with a global model. Atmospheric Chemistry and Physics, 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. Atmospheric Chemistry and Physics, 2010, 10, 9739-9760.	1.9	234
77	Quantitative estimates of the volatility of ambient organic aerosol. Atmospheric Chemistry and Physics, 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. Atmospheric Chemistry and Physics, 2018, 18, 3299-3319.	1.9	233
79	Organic aerosol composition and sources in Pasadena, California, during the 2010 CalNex campaign. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9233-9257.	1.2	231
80	Organic aerosol formation in urban and industrial plumes near Houston and Dallas, Texas. Journal of Geophysical Research, 2009, 114, .	3.3	230
81	Modeling organic aerosols in a megacity: comparison of simple and complex representations of the volatility basis set approach. Atmospheric Chemistry and Physics, 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. Journal of Geophysical Research, 2005, 110, .	3.3	229
83	Chemistry of hydrogen oxide radicals (HO_x) in the Arctic troposphere in spring. Atmospheric Chemistry and Physics, 2010, 10, 5823-5838.	1.9	220
84	Formation of Nitrogen-Containing Oligomers by Methylglyoxal and Amines in Simulated Evaporating Cloud Droplets. Environmental Science & Technology, 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. Atmospheric Chemistry and Physics, 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. Atmospheric Chemistry and Physics, 2015, 15, 10411-10433.	1.9	217
87	Rethinking the global secondary organic aerosol (SOA) budget: stronger production, faster removal, shorter lifetime. Atmospheric Chemistry and Physics, 2016, 16, 7917-7941.	1.9	216
88	Introduction: Observations and Modeling of the Green Ocean Amazon (GoAmazon2014/5). Atmospheric Chemistry and Physics, 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. Aerosol Science and Technology, 2004, 38, 1206-1222.	1.5	212
90	Biomass burning dominates brown carbon absorption in the rural southeastern United States. Geophysical Research Letters, 2015, 42, 653-664.	1.5	212

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91	Secondary Organic Aerosol-Forming Reactions of Glyoxal with Amino Acids. Environmental Science & Technology, 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. Atmospheric Chemistry and Physics, 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. Journal of Geophysical Research, 2011, 116, .	3.3	206
94	Sources, distribution, and acidity of sulfateâ€“ammonium aerosol in the Arctic in winterâ€“spring. Atmospheric Environment, 2011, 45, 7301-7318.	1.9	206
95	Organic haze on Titan and the early Earth. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18035-18042.	3.3	205
96	Development and Characterization of a Fast-Stepping/Scanning Thermodenuder for Chemically-Resolved Aerosol Volatility Measurements. Aerosol Science and Technology, 2008, 42, 395-407.	1.5	201
97	Chemically-Resolved Volatility Measurements of Organic Aerosol from Different Sources. Environmental Science & Technology, 2009, 43, 5351-5357.	4.6	201
98	New particle formation from photooxidation of diiodomethane (CH2I2). Journal of Geophysical Research, 2003, 108, .	3.3	200
99	The 2010 California Research at the Nexus of Air Quality and Climate Change (CalNex) field study. Journal of Geophysical Research D: Atmospheres, 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. Aerosol Science and Technology, 2005, 39, 1143-1163.	1.5	196
101	A paradigm shift to combat indoor respiratory infection. Science, 2021, 372, 689-691.	6.0	192
102	On the implications of aerosol liquid water and phase separation for organic aerosol mass. Atmospheric Chemistry and Physics, 2017, 17, 343-369.	1.9	189
103	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.	3.3	186
104	Characterization of a real-time tracer for isoprene epoxydiols-derived secondary organic aerosol (IEPOX-SOA) from aerosol mass spectrometer measurements. Atmospheric Chemistry and Physics, 2015, 15, 11807-11833.	1.9	185
105	Airborne measurements of western U.S. wildfire emissions: Comparison with prescribed burning and air quality implications. Journal of Geophysical Research D: Atmospheres, 2017, 122, 6108-6129.	1.2	184
106	Mexico city aerosol analysis during MILAGRO using high resolution aerosol mass spectrometry at the urban supersite (T0) â€“ Part 2: Analysis of the biomass burning contribution and the non-fossil carbon fraction. Atmospheric Chemistry and Physics, 2010, 10, 5315-5341.	1.9	182
107	Ubiquity of organic nitrates from nighttime chemistry in the European submicron aerosol. Geophysical Research Letters, 2016, 43, 7735-7744.	1.5	182
108	Exhaled CO₂ as a COVID-19 Infection Risk Proxy for Different Indoor Environments and Activities. Environmental Science and Technology Letters, 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. Aerosol Science and Technology, 2005, 39, 760-770.	1.5	179
110	Gasâ€particle partitioning of primary organic aerosol emissions: 3. Biomass burning. Journal of Geophysical Research D: Atmospheres, 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. Environmental Science & Technology, 2016, 50, 5757-5765.	4.6	178
112	Fine particle pH and the partitioning of nitric acid during winter in the northeastern United States. Journal of Geophysical Research D: Atmospheres, 2016, 121, 10,355.	1.2	176
113	Secondary Organic Aerosol Formation by Self-Reactions of Methylglyoxal and Glyoxal in Evaporating Droplets. Environmental Science & Technology, 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. Atmospheric Chemistry and Physics, 2016, 16, 5969-5991.	1.9	173
115	Formation of Low Volatility Organic Compounds and Secondary Organic Aerosol from Isoprene Hydroxyhydroperoxide Low-NO Oxidation. Environmental Science & Technology, 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. Atmospheric Chemistry and Physics, 2008, 8, 5649-5667.	1.9	171
117	Mass spectral characterization of submicron biogenic organic particles in the Amazon Basin. Geophysical Research Letters, 2009, 36, .	1.5	171
118	Evolution of Asian aerosols during transpacific transport in INTEX-B. Atmospheric Chemistry and Physics, 2009, 9, 7257-7287.	1.9	170
119	An overview of the Amazonian Aerosol Characterization Experiment 2008 (AMAZE-08). Atmospheric Chemistry and Physics, 2010, 10, 11415-11438.	1.9	170
120	Top-of-atmosphere radiative forcing affected by brown carbon in the upper troposphere. Nature Geoscience, 2017, 10, 486-489.	5.4	168
121	Fine particle pH and gasâ€“particle phase partitioning of inorganic species in Pasadena, California, during the 2010 CalNex campaign. Atmospheric Chemistry and Physics, 2017, 17, 5703-5719.	1.9	168
122	Detection of particle-phase polycyclic aromatic hydrocarbons in Mexico City using an aerosol mass spectrometer. International Journal of Mass Spectrometry, 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. Journal of Geophysical Research, 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. Atmospheric Chemistry and Physics, 2014, 14, 6213-6239.	1.9	166
125	The Deep Convective Clouds and Chemistry (DC3) Field Campaign. Bulletin of the American Meteorological Society, 2015, 96, 1281-1309.	1.7	165
126	Correlation of secondary organic aerosol with odd oxygen in Mexico City. Geophysical Research Letters, 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. Journal of Geophysical Research, 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. Atmospheric Chemistry and Physics, 2011, 11, 12067-12084.	1.9	157
129	Chemical Smoke Marker Emissions During Flaming and Smoldering Phases of Laboratory Open Burning of Wildland Fuels. Aerosol Science and Technology, 2010, 44, i-v.	1.5	156
130	Evidence for a significant proportion of Secondary Organic Aerosol from isoprene above a maritime tropical forest. Atmospheric Chemistry and Physics, 2011, 11, 1039-1050.	1.9	152
131	Sources and transformations of particle-bound polycyclic aromatic hydrocarbons in Mexico City. Atmospheric Chemistry and Physics, 2006, 6, 1733-1745.	1.9	151
132	Observations of gas- and aerosol-phase organic nitrates at BEACHON-RoMBAS 2011. Atmospheric Chemistry and Physics, 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. Journal of Geophysical Research, 2006, 111, .	3.3	149
134	Atmospheric condensedâ€phase reactions of glyoxal with methylamine. Geophysical Research Letters, 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. Atmospheric Chemistry and Physics, 2013, 13, 10095-10112.	1.9	145
136	Numerical Characterization of Particle Beam Collimation: Part II Integrated Aerodynamic-Lensâ€“Nozzle System. Aerosol Science and Technology, 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. Environmental Science & Technology, 2016, 50, 2200-2209.	4.6	141
138	Overview of HOMEChem: House Observations of Microbial and Environmental Chemistry. Environmental Sciences: Processes and Impacts, 2019, 21, 1280-1300.	1.7	140
139	Modeling the formation and aging of secondary organic aerosols in Los Angeles during CalNex 2010. Atmospheric Chemistry and Physics, 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. Atmospheric Chemistry and Physics, 2009, 9, 6191-6215.	1.9	138
141	Biomass burning and urban air pollution over the Central Mexican Plateau. Atmospheric Chemistry and Physics, 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. Atmospheric Chemistry and Physics, 2016, 16, 7411-7433.	1.9	137
143	A large source of cloud condensation nuclei from new particle formation in the tropics. Nature, 2019, 574, 399-403.	13.7	135
144	Direct evidence for chlorine-enhanced urban ozone formation in Houston, Texas. Atmospheric Environment, 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. Scientific Reports, 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. Atmospheric Chemistry and Physics, 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. Atmospheric Environment, 2010, 44, 4553-4564.	1.9	131
148	The 2005 Study of Organic Aerosols at Riverside (SOAR-1): instrumental intercomparisons and fine particle composition. Atmospheric Chemistry and Physics, 2011, 11, 12387-12420.	1.9	129
149	Organosulfates as Tracers for Secondary Organic Aerosol (SOA) Formation from 2-Methyl-3-Buten-2-ol (MBO) in the Atmosphere. Environmental Science & Technology, 2012, 46, 9437-9446.	4.6	128
150	The Green Ocean Amazon Experiment (GoAmazon2014/5) Observes Pollution Affecting Gases, Aerosols, Clouds, and Rainfall over the Rain Forest. Bulletin of the American Meteorological Society, 2017, 98, 981-997.	1.7	128
151	Measurements of Mexico City nanoparticle size distributions: Observations of new particle formation and growth. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	127
152	Measurements of volatile organic compounds at a suburban ground site (T1) in Mexico City during the MILAGRO 2006 campaign: measurement comparison, emission ratios, and source attribution. Atmospheric Chemistry and Physics, 2011, 11, 2399-2421.	1.9	127
153	Modeling the Radical Chemistry in an Oxidation Flow Reactor: Radical Formation and Recycling, Sensitivities, and the OH Exposure Estimation Equation. Journal of Physical Chemistry A, 2015, 119, 4418-4432.	1.1	126
154	CCN predictions using simplified assumptions of organic aerosol composition and mixing state: a synthesis from six different locations. Atmospheric Chemistry and Physics, 2010, 10, 4795-4807.	1.9	124
155	Organic nitrate aerosol formation via NO₃ + biogenic volatile organic compounds in the southeastern United States. Atmospheric Chemistry and Physics, 2015, 15, 13377-13392.	1.9	124
156	Global transformation and fate of SOA: Implications of lowâ€volatility SOA and gasâ€phase fragmentation reactions. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4169-4195.	1.2	123
157	Design and Operation of a Pressure-Controlled Inlet for Airborne Sampling with an Aerodynamic Aerosol Lens. Aerosol Science and Technology, 2008, 42, 465-471.	1.5	122
158	In situ secondary organic aerosol formation from ambient pine forest air using an oxidation flow reactor. Atmospheric Chemistry and Physics, 2016, 16, 2943-2970.	1.9	122
159	Liquid Water: Ubiquitous Contributor to Aerosol Mass. Environmental Science and Technology Letters, 2016, 3, 257-263.	3.9	121
160	Exploring the observational constraints on the simulation of brown carbon. Atmospheric Chemistry and Physics, 2018, 18, 635-653.	1.9	121
161	Prediction of cloud condensation nucleus number concentration using measurements of aerosol size distributions and composition and light scattering enhancement due to humidity. Journal of Geophysical Research, 2007, 112, .	3.3	119
162	Modeling organic aerosols during MILAGRO: importance of biogenic secondary organic aerosols. Atmospheric Chemistry and Physics, 2009, 9, 6949-6981.	1.9	119

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163	Reduction in biomass burning aerosol light absorption upon humidification: roles of inorganically-induced hygroscopicity, particle collapse, and photoacoustic heat and mass transfer. Atmospheric Chemistry and Physics, 2009, 9, 8949-8966.	1.9	119
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