Rodney J Weber

List of Publications by Year
in descending order

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232 papers	28,089 citations	3515 90 h-index	7496 151 g-index
335 all docs	335 docs citations	335 times ranked	10629 citing authors

#	Article	IF	Citations
1	Aerosol and Cloud Experiments in the Eastern North Atlantic (ACE-ENA). Bulletin of the American Meteorological Society, 2022, 103, E619-E641.	1.7	33
2	The NASA Atmospheric Tomography (ATom) Mission: Imaging the Chemistry of the Global Atmosphere. Bulletin of the American Meteorological Society, 2022, 103, E761-E790.	1.7	39
3	The Oxidative Potential of Fine Particulate Matter and Biological Perturbations in Human Plasma and Saliva Metabolome. Environmental Science & Technology, 2022, 56, 7350-7361.	4.6	14
4	Emissions, chemistry or bidirectional surface transfer? Gas phase formic acid dynamics in the atmosphere. Atmospheric Environment, 2022, 274, 118995.	1.9	5
5	Water soluble reactive phosphate (SRP) in atmospheric particles over East Mediterranean: The importance of dust and biomass burning events. Science of the Total Environment, 2022, 830, 154263.	3.9	4
6	Hydrogen chloride (HCl) at ground sites during CalNex 2010 and insight into its thermodynamic properties. Journal of Geophysical Research D: Atmospheres, 2022, 127, 1-16.	1.2	1
7	Source and Chemistry of Hydroxymethanesulfonate (HMS) in Fairbanks, Alaska. Environmental Science & Technology, 2022, 56, 7657-7667.	4.6	14
8	Ultrafiltration to characterize PM2.5 water-soluble iron and its sources in an urban environment. Atmospheric Environment, 2022, 286, 119246.	1.9	4
9	Characteristics and evolution of brown carbon in western United States wildfires. Atmospheric Chemistry and Physics, 2022, 22, 8009-8036.	1.9	21
10	Aerosol acidity and liquid water content regulate the dry deposition of inorganic reactive nitrogen. Atmospheric Chemistry and Physics, 2021, 21, 6023-6033.	1.9	28
11	Low-Molecular-Weight Carboxylic Acids in the Southeastern U.S.: Formation, Partitioning, and Implications for Organic Aerosol Aging. Environmental Science & Technology, 2021, 55, 6688-6699.	4.6	30
12	Hydroxymethanesulfonate (HMS) Formation during Summertime Fog in an Arctic Oil Field. Environmental Science and Technology Letters, 2021, 8, 511-518.	3.9	9
13	A method for liquid spectrophotometric measurement of total and water-soluble iron and copper in ambient aerosols. Atmospheric Measurement Techniques, 2021, 14, 4707-4719.	1.2	6
14	Vertical profiles of trace gas and aerosol properties over the eastern North Atlantic: variations with season and synoptic condition. Atmospheric Chemistry and Physics, 2021, 21, 11079-11098.	1.9	14
15	Fine Aerosol Acidity and Water during Summer in the Eastern North Atlantic. Atmosphere, 2021, 12, 1040.	1.0	1
16	Assessment of online water-soluble brown carbon measuring systems for aircraft sampling. Atmospheric Measurement Techniques, 2021, 14, 6357-6378.	1.2	8
17	Ambient aerosol properties in the remote atmosphere from global-scale in situ measurements. Atmospheric Chemistry and Physics, 2021, 21, 15023-15063.	1.9	15
18	Evaluation of a New Aerosol Chemical Speciation Monitor (ACSM) System at an Urban Site in Atlanta, GA: The Use of Capture Vaporizer and PM_{2.5} Inlet. ACS Earth and Space Chemistry, 2021, 5, 2565-2576.	1.2	16

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19	First Continuous Measurement of Gaseous and Particulate Formic Acid in a Suburban Area of East China: Seasonality and Gasâ€“Particle Partitioning. ACS Earth and Space Chemistry, 2020, 4, 157-167.	1.2	18
20	Near-road vehicle emissions air quality monitoring for exposure modeling. Atmospheric Environment, 2020, 224, 117318.	1.9	20
21	Fine Particle Iron in Soils and Road Dust Is Modulated by Coal-Fired Power Plant Sulfur. Environmental Science & Technology, 2020, 54, 7088-7096.	4.6	17
22	The acidity of atmospheric particles and clouds. Atmospheric Chemistry and Physics, 2020, 20, 4809-4888.	1.9	327
23	Characterization and comparison of PM_{2.5} oxidative potential assessed by two acellular assays. Atmospheric Chemistry and Physics, 2020, 20, 5197-5210.	1.9	46
24	Global Measurements of Brown Carbon and Estimated Direct Radiative Effects. Geophysical Research Letters, 2020, 47, e2020GL088747.	1.5	61
25	Aerosol pH and liquid water content determine when particulate matter is sensitive to ammonia and nitrate availability. Atmospheric Chemistry and Physics, 2020, 20, 3249-3258.	1.9	72
26	Characterization of water-insoluble oxidative potential of PM2.5 using the dithiothreitol assay. Atmospheric Environment, 2020, 224, 117327.	1.9	63
27	Modeling the global radiative effect of brown carbon: a potentially larger heating source in the tropical free troposphere than black carbon. Atmospheric Chemistry and Physics, 2020, 20, 1901-1920.	1.9	70
28	Evaluating a multipollutant metric for use in characterizing traffic-related air pollution exposures within near-road environments. Environmental Research, 2020, 184, 109389.	3.7	10
29	Chemical characterization of secondary organic aerosol at a rural site in the southeastern US: insights from simultaneous high-resolution time-of-flight aerosol mass spectrometer (HR-ToF-AMS) and FIGAERO chemical ionization mass spectrometer (CIMS) measurements. Atmospheric Chemistry and Physics, 2020, 20, 8421-8440.	1.9	42
30	Potentially harmful aerosols concentrate in European urban centres. Nature, 2020, 587, 369-370.	13.7	5
31	Atmospheric evolution of molecular-weight-separated brown carbon from biomass burning. Atmospheric Chemistry and Physics, 2019, 19, 7319-7334.	1.9	107
32	Biomass Burning Markers and Residential Burning in the WINTER Aircraft Campaign. Journal of Geophysical Research D: Atmospheres, 2019, 124, 1846-1861.	1.2	30
33	Chemical Composition and Toxicity of Particles Emitted from a Consumer-Level 3D Printer Using Various Materials. Environmental Science & Technology, 2019, 53, 12054-12061.	4.6	71
34	Relationship between Atmospheric Aerosol Mineral Surface Area and Iron Solubility. ACS Earth and Space Chemistry, 2019, 3, 2443-2451.	1.2	13
35	Oxidative Potential of Particulate Matter and Generation of Reactive Oxygen Species in Epithelial Lining Fluid. Environmental Science & Technology, 2019, 53, 12784-12792.	4.6	73
36	Characterization of volatile organic compound emissions from consumer level material extrusion 3D printers. Building and Environment, 2019, 160, 106209.	3.0	88

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37	Effects of Atmospheric Processing on the Oxidative Potential of Biomass Burning Organic Aerosols. Environmental Science & Technology, 2019, 53, 6747-6756.	4.6	68
38	Review of Acellular Assays of Ambient Particulate Matter Oxidative Potential: Methods and Relationships with Composition, Sources, and Health Effects. Environmental Science & Technology, 2019, 53, 4003-4019.	4.6	321
39	Effects of water-soluble organic carbon on aerosol pH. Atmospheric Chemistry and Physics, 2019, 19, 14607-14620.	1.9	32
40	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.	1.2	103
41	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
42	Exploring the observational constraints on the simulation of brown carbon. Atmospheric Chemistry and Physics, 2018, 18, 635-653.	1.9	121
43	Oxidative Properties of Ambient Particulate Matter - An Assessment of the Relative Contributions from Various Aerosol Components and Their Emission Sources. ACS Symposium Series, 2018, , 389-416.	0.5	3
44	Insights on Aerosol Oxidative Potential from Measurements of Particle Size Distributions. ACS Symposium Series, 2018, , 417-437.	0.5	2
45	The underappreciated role of nonvolatile cations in aerosol ammonium-sulfate molar ratios. Atmospheric Chemistry and Physics, 2018, 18, 17307-17323.	1.9	53
46	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.	1.2	31
47	Understanding nitrate formation in a world with less sulfate. Atmospheric Chemistry and Physics, 2018, 18, 12765-12775.	1.9	63
48	Real-time measurements of gas-phase organic acids using SF₆^{â˜} chemical ionization mass spectrometry. Atmospheric Measurement Techniques, 2018, 11, 5087-5104.	1.2	16
49	A Tribute to Peter McMurry. Aerosol Science and Technology, 2018, 52, 1083-1084.	1.5	0
50	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.	1.2	49
51	Estimating Acute Cardiovascular Effects of Ambient PM2.5 Metals. Environmental Health Perspectives, 2018, 126, 027007.	2.8	53
52	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.	1.2	21
53	Effectiveness of ammonia reduction on control of fine particle nitrate. Atmospheric Chemistry and Physics, 2018, 18, 12241-12256.	1.9	120
54	Source impact modeling of spatiotemporal trends in PM2.5 oxidative potential across the eastern United States. Atmospheric Environment, 2018, 193, 158-167.	1.9	21

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55	Source apportionment of organic carbon in Centreville, AL using organosulfates in organic tracer-based positive matrix factorization. Atmospheric Environment, 2018, 186, 74-88.	1.9	24
56	Linked Response of Aerosol Acidity and Ammonia to SO₂ and NO_x Emissions Reductions in the United States. Environmental Science & Technology, 2018, 52, 9861-9873.	4.6	38
57	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.	3.3	118
58	Sources and Secondary Production of Organic Aerosols in the Northeastern United States during WINTER. Journal of Geophysical Research D: Atmospheres, 2018, 123, 7771-7796.	1.2	71
59	Characterization of aerosol composition, aerosol acidity, and organic acid partitioning at an agriculturally intensive rural southeastern US site. Atmospheric Chemistry and Physics, 2018, 18, 11471-11491.	1.9	88
60	Investigating particle emissions and aerosol dynamics from a consumer fused deposition modeling 3D printer with a lognormal moment aerosol model. Aerosol Science and Technology, 2018, 52, 1099-1111.	1.5	26
61	High Aerosol Acidity Despite Declining Atmospheric Sulfate Concentrations: Lessons from Observations and Implications for Models. Springer Proceedings in Complexity, 2018, , 171-176.	0.2	0
62	Source Impacts on and Cardiorespiratory Effects of Reactive Oxygen Species Generated by Water-Soluble PM2.5 Across the Eastern United States. Springer Proceedings in Complexity, 2018, , 503-508.	0.2	1
63	Developing Multipollutant Exposure Indicators of Traffic Pollution: The Dorm Room Inhalation to Vehicle Emissions (DRIVE) Study. Research Report (health Effects Institute), 2018, , 3-75.	1.6	6
64	Molecular-Size-Separated Brown Carbon Absorption for Biomass-Burning Aerosol at Multiple Field Sites. Environmental Science & Technology, 2017, 51, 3128-3137.	4.6	77
65	Highly Acidic Ambient Particles, Soluble Metals, and Oxidative Potential: A Link between Sulfate and Aerosol Toxicity. Environmental Science & Technology, 2017, 51, 2611-2620.	4.6	323
66	Brown and black carbon in Beijing aerosol: Implications for the effects of brown coating on light absorption by black carbon. Science of the Total Environment, 2017, 599-600, 1047-1055.	3.9	92
67	Changes in Light Absorptivity of Molecular Weight Separated Brown Carbon Due to Photolytic Aging. Environmental Science & Technology, 2017, 51, 8414-8421.	4.6	153
68	Top-of-atmosphere radiative forcing affected by brown carbon in the upper troposphere. Nature Geoscience, 2017, 10, 486-489.	5.4	168
69	Ambient Size Distributions and Lung Deposition of Aerosol Dithiothreitol-Measured Oxidative Potential: Contrast between Soluble and Insoluble Particles. Environmental Science & Technology, 2017, 51, 6802-6811.	4.6	91
70	Chemical Characterization of Water-Soluble Organic Aerosol in Contrasting Rural and Urban Environments in the Southeastern United States. Environmental Science & Technology, 2017, 51, 78-88.	4.6	77
71	High levels of ammonia do not raise fine particle pH sufficiently to yield nitrogen oxide-dominated sulfate production. Scientific Reports, 2017, 7, 12109.	1.6	144
72	Characterization of particle emissions from consumer fused deposition modeling 3D printers. Aerosol Science and Technology, 2017, 51, 1275-1286.	1.5	93

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73	Oxidative potential of PM 2.5 during Atlanta rush hour: Measurements of in-vehicle dithiothreitol (DTT) activity. Atmospheric Environment, 2017, 165, 169-178.	1.9	44
74	Chemical and cellular oxidant production induced by naphthalene secondary organic aerosol (SOA): effect of redox-active metals and photochemical aging. Scientific Reports, 2017, 7, 15157.	1.6	37
75	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
76	Chemical oxidative potential of secondary organic aerosol (SOA) generated from the photooxidation of biogenic and anthropogenic volatile organic compounds. Atmospheric Chemistry and Physics, 2017, 17, 839-853.	1.9	135
77	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
78	A method for measuring total aerosol oxidative potential (OP) with the dithiothreitol (DTT) assay and comparisons between an urban and roadside site of water-soluble and total OP. Atmospheric Measurement Techniques, 2017, 10, 2821-2835.	1.2	67
79	Associations between Ambient Fine Particulate Oxidative Potential and Cardiorespiratory Emergency Department Visits. Environmental Health Perspectives, 2017, 125, 107008.	2.8	96
80	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
81	Contribution of particulate brown carbon to light absorption in the rural and urban Southeast US. Atmospheric Environment, 2016, 136, 95-104.	1.9	29
82	Ambient PM_{2.5} and Health: Does PM_{2.5} Oxidative Potential Play a Role?. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 530-531.	2.5	20
83	Enhanced formation of isopreneâ€derived organic aerosol in sulfurâ€rich power plant plumes during Southeast Nexus. Journal of Geophysical Research D: Atmospheres, 2016, 121, 11,137.	1.2	50
84	Assessing the impact of anthropogenic pollution on isoprene-derived secondary organic aerosol formation in PM_{2.5} collected from the Birmingham, Alabama, ground site during the 2013 Southern OxidantÂand Aerosol Study. Atmospheric Chemistry and Physics, 2016, 16, 4897-4914.	1.9	105
85	Composition and oxidation state of sulfur in atmospheric particulate matter. Atmospheric Chemistry and Physics, 2016, 16, 13389-13398.	1.9	16
86	Oxidative potential of ambient water-soluble PM_{2.5} in the southeastern United States: contrasts in sources and health associations between ascorbic acid (AA) and dithiothreitol (DTT) assays. Atmospheric Chemistry and Physics, 2016, 16, 3865-3879.	1.9	223
87	Particle water and pH in the eastern Mediterranean: source variability and implications for nutrient availability. Atmospheric Chemistry and Physics, 2016, 16, 4579-4591.	1.9	142
88	Agricultural fires in the southeastern U.S. during SEAC⁴RS: Emissions of trace gases and particles and evolution of ozone, reactive nitrogen, and organic aerosol. Journal of Geophysical Research D: Atmospheres, 2016, 121, 7383-7414.	1.2	93
89	Real-Time, Online Automated System for Measurement of Water-Soluble Reactive Phosphate Ions in Atmospheric Particles. Analytical Chemistry, 2016, 88, 7163-7170.	3.2	7
90	High aerosol acidity despite declining atmospheric sulfate concentrations over the past 15 years. Nature Geoscience, 2016, 9, 282-285.	5.4	327

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91	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
92	The characteristics of brown carbon aerosol during winter in Beijing. Atmospheric Environment, 2016, 127, 355-364.	1.9	213
93	Evolution of brown carbon in wildfire plumes. Geophysical Research Letters, 2015, 42, 4623-4630.	1.5	284
94	Fine-particle water and pH in the southeastern United States. Atmospheric Chemistry and Physics, 2015, 15, 5211-5228.	1.9	413
95	On the link between hygroscopicity, volatility, and oxidation state of ambient and water-soluble aerosols in the southeastern United States. Atmospheric Chemistry and Physics, 2015, 15, 8679-8694.	1.9	98
96	Investigation of secondary formation of formic acid: urban environment vs. oil and gas producing region. Atmospheric Chemistry and Physics, 2015, 15, 1975-1993.	1.9	57
97	A critical evaluation of proxy methods used to estimate the acidity of atmospheric particles. Atmospheric Chemistry and Physics, 2015, 15, 2775-2790.	1.9	266
98	Aerosol characterization over the southeastern United States using high-resolution aerosol mass spectrometry: spatial and seasonal variation of aerosol composition and sources with a focus on organic nitrates. Atmospheric Chemistry and Physics, 2015, 15, 7307-7336.	1.9	259
99	Brown carbon aerosol in the North American continental troposphere: sources, abundance, and radiative forcing. Atmospheric Chemistry and Physics, 2015, 15, 7841-7858.	1.9	96
100	PM_{2.5} water-soluble elements in the southeastern United States: automated analytical method development, spatiotemporal distributions, source apportionment, and implications for heath studies. Atmospheric Chemistry and Physics, 2015, 15, 11667-11682.	1.9	91
101	Source apportionment of methane and nitrous oxide in California's San Joaquin Valley at CalNex 2010 via positive matrix factorization. Atmospheric Chemistry and Physics, 2015, 15, 12043-12063.	1.9	28
102	Biomass burning dominates brown carbon absorption in the rural southeastern United States. Geophysical Research Letters, 2015, 42, 653-664.	1.5	212
103	A semi-automated system for quantifying the oxidative potential of ambient particles in aqueous extracts using the dithiothreitol (DTT) assay: results from the Southeastern Center for Air Pollution and Epidemiology (SCAPE). Atmospheric Measurement Techniques, 2015, 8, 471-482.	1.2	128
104	Effects of anthropogenic emissions on aerosol formation from isoprene and monoterpenes in the southeastern United States. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 37-42.	3.3	496
105	Assessment of the sensitivity of core / shell parameters derived using the single-particle soot photometer to density and refractive index. Atmospheric Measurement Techniques, 2015, 8, 1701-1718.	1.2	98
106	Organic Aerosols Associated with the Generation of Reactive Oxygen Species (ROS) by Water-Soluble PM_{2.5}. Environmental Science & Technology, 2015, 49, 4646-4656.	4.6	259
107	Reactive Oxygen Species Generation Linked to Sources of Atmospheric Particulate Matter and Cardiorespiratory Effects. Environmental Science & Technology, 2015, 49, 13605-13612.	4.6	258
108	Fractionating ambient humic-like substances (HULIS) for their reactive oxygen species activity â€“ Assessing the importance of quinones and atmospheric aging. Atmospheric Environment, 2015, 120, 351-359.	1.9	110

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109	Intercomparison of an Aerosol Chemical Speciation Monitor (ACSM) with ambient fine aerosol measurements in downtown Atlanta, Georgia. Atmospheric Measurement Techniques, 2014, 7, 1929-1941.	1.2	70
110	A yearlong study of water-soluble organic carbon in Beijing II: Light absorption properties. Atmospheric Environment, 2014, 89, 235-241.	1.9	155
111	Characterization of Selenium in Ambient Aerosols and Primary Emission Sources. Environmental Science & Technology, 2014, 48, 8988-8994.	4.6	22
112	Diurnal cycle of fossil and nonfossil carbon using radiocarbon analyses during CalNex. Journal of Geophysical Research D: Atmospheres, 2014, 119, 6818-6835.	1.2	82
113	Sources of primary and secondary organic aerosol and their diurnal variations. Journal of Hazardous Materials, 2014, 264, 536-544.	6.5	22
114	The characteristics of Beijing aerosol during two distinct episodes: Impacts of biomass burning and fireworks. Environmental Pollution, 2014, 185, 149-157.	3.7	80
115	A yearlong study of water-soluble organic carbon in Beijing I: Sources and its primary vs. secondary nature. Atmospheric Environment, 2014, 92, 514-521.	1.9	122
116	Fine-scale simulation of ammonium and nitrate over the South Coast Air Basin and San Joaquin Valley of California during CalNex-2010. Journal of Geophysical Research D: Atmospheres, 2014, 119, 3600-3614.	1.2	51
117	Brown carbon in the continental troposphere. Geophysical Research Letters, 2014, 41, 2191-2195.	1.5	113
118	Atmospheric amines and ammonia measured with a chemical ionization mass spectrometer (CIMS). Atmospheric Chemistry and Physics, 2014, 14, 12181-12194.	1.9	121
119	Trends in particle-phase liquid water during the Southern Oxidant and Aerosol Study. Atmospheric Chemistry and Physics, 2014, 14, 10911-10930.	1.9	75
120	Reactive oxygen species associated with water-soluble PM_{2.5} in the southeastern United States: spatiotemporal trends and source apportionment. Atmospheric Chemistry and Physics, 2014, 14, 12915-12930.	1.9	224
121	Particulate and gas sampling of prescribed fires in South Georgia, USA. Atmospheric Environment, 2013, 81, 125-135.	1.9	22
122	Estimating the toxicity of ambient fine aerosols using freshwater rotifer Brachionus calyciflorus (Rotifera: Monogononta). Environmental Pollution, 2013, 182, 379-384.	3.7	24
123	Sources, Composition and Absorption Ã…ngstrÃ¶m Exponent of Light-absorbing Organic Components in Aerosol Extracts from the Los Angeles Basin. Environmental Science & Technology, 2013, 47, 3685-3693.	4.6	344
124	Revising the use of potassium (K) in the source apportionment of PM2.5. Atmospheric Pollution Research, 2013, 4, 14-21.	1.8	120
125	Development and testing of an online method to measure ambient fine particulate reactive oxygen species (ROS) based on the 2',7'-dichlorofluorescin (DCFH) assay. Atmospheric Measurement Techniques, 2013, 6, 1647-1658.	1.2	44
126	Analysis of CCN activity of Arctic aerosol and Canadian biomass burning during summer 2008. Atmospheric Chemistry and Physics, 2013, 13, 2735-2756.	1.9	117

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127	Size-resolved measurements of brown carbon in water and methanol extracts and estimates of their contribution to ambient fine-particle light absorption. Atmospheric Chemistry and Physics, 2013, 13, 12389-12404.	1.9	268
128	Biomass burning contribution to Beijing aerosol. Atmospheric Chemistry and Physics, 2013, 13, 7765-7781.	1.9	343
129	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
130	Heterogeneous formation of nitryl chloride and its role as a nocturnal NO_x reservoir species during CalNexâ€LA 2010. Journal of Geophysical Research D: Atmospheres, 2013, 118, 10,638.	1.2	65
131	Images reveal that atmospheric particles can undergo liquidâ€“liquid phase separations. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13188-13193.	3.3	205
132	Observations of glyoxal and formaldehyde as metrics for the anthropogenic impact on rural photochemistry. Atmospheric Chemistry and Physics, 2012, 12, 9529-9543.	1.9	71
133	Mixing state and compositional effects on CCN activity and droplet growth kinetics of size-resolved CCN in an urban environment. Atmospheric Chemistry and Physics, 2012, 12, 10239-10255.	1.9	49
134	Spatial and seasonal variations of fine particle water-soluble organic carbon (WSOC) over the southeastern United States: implications for secondary organic aerosol formation. Atmospheric Chemistry and Physics, 2012, 12, 6593-6607.	1.9	80
135	Characterization of iron speciation in urban and rural single particles using XANES spectroscopy and micro X-ray fluorescence measurements: investigating the relationship between speciation and fractional iron solubility. Atmospheric Chemistry and Physics, 2012, 12, 745-756.	1.9	80
136	Secondary organic aerosol formation from methacrolein photooxidation: roles of NOx level, relative humidity and aerosol acidity. Environmental Chemistry, 2012, 9, 247.	0.7	58
137	On the gasâ€particle partitioning of soluble organic aerosol in two urban atmospheres with contrasting emissions: 1. Bulk waterâ€soluble organic carbon. Journal of Geophysical Research, 2012, 117, .	3.3	53
138	Contribution of Water-Soluble and Insoluble Components and Their Hydrophobic/Hydrophilic Subfractions to the Reactive Oxygen Species-Generating Potential of Fine Ambient Aerosols. Environmental Science & Technology, 2012, 46, 11384-11392.	4.6	261
139	Iron Solubility Related to Particle Sulfur Content in Source Emission and Ambient Fine Particles. Environmental Science & Technology, 2012, 46, 6637-6644.	4.6	113
140	Gasoline emissions dominate over diesel in formation of secondary organic aerosol mass. Geophysical Research Letters, 2012, 39, .	1.5	189
141	On the gasâ€particle partitioning of soluble organic aerosol in two urban atmospheres with contrasting emissions: 2. Gas and particle phase formic acid. Journal of Geophysical Research, 2012, 117, .	3.3	47
142	Aerosol optical properties at Pasadena, CA during CalNex 2010. Atmospheric Environment, 2012, 55, 190-200.	1.9	47
143	Airborne cloud condensation nuclei measurements during the 2006 Texas Air Quality Study. Journal of Geophysical Research, 2011, 116, .	3.3	91
144	Light-absorbing soluble organic aerosol in Los Angeles and Atlanta: A contrast in secondary organic aerosol. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	190

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145	Water-soluble organic aerosol in the Los Angeles Basin and outflow regions: Airborne and ground measurements during the 2010 CalNex field campaign. Journal of Geophysical Research, 2011, 116, .	3.3	49
146	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
147	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
148	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
149	Comparison of chemical characteristics of 495 biomass burning plumes intercepted by the NASA DC-8 aircraft during the ARCTAS/CARB-2008 field campaign. Atmospheric Chemistry and Physics, 2011, 11, 13325-13337.	1.9	106
150	Mass absorption efficiency of elemental carbon and water-soluble organic carbon in Beijing, China. Atmospheric Chemistry and Physics, 2011, 11, 11497-11510.	1.9	266
151	Filterable water-soluble organic nitrogen in fine particles over the southeastern USA during summer. Atmospheric Environment, 2011, 45, 6040-6047.	1.9	44
152	Secondary organic aerosol formation in cloud droplets and aqueous particles (aqSOA): a review of laboratory, field and model studies. Atmospheric Chemistry and Physics, 2011, 11, 11069-11102.	1.9	1,085
153	A relaxed eddy accumulation system for measuring vertical fluxes of nitrous acid. Atmospheric Measurement Techniques, 2011, 4, 2093-2103.	1.2	76
154	Water-Soluble Organic Aerosol material and the light-absorption characteristics of aqueous extracts measured over the Southeastern United States. Atmospheric Chemistry and Physics, 2010, 10, 5965-5977.	1.9	459
155	Biomass burning impact on PM_{2.5} over the southeastern US during 2007: integrating chemically speciated FRM filter measurements, MODIS fire counts and PMF analysis. Atmospheric Chemistry and Physics, 2010, 10, 6839-6853.	1.9	209
156	Characterization of soluble iron in urban aerosols using nearâ€real time data. Journal of Geophysical Research, 2010, 115, .	3.3	39
157	Synthesis of satellite (MODIS), aircraft (ICARTT), and surface (IMPROVE, EPAâ€AQS, AERONET) aerosol observations over eastern North America to improve MODIS aerosol retrievals and constrain surface aerosol concentrations and sources. Journal of Geophysical Research, 2010, 115, .	3.3	144
158	Investigation of cloud condensation nuclei properties and droplet growth kinetics of the waterâ€soluble aerosol fraction in Mexico City. Journal of Geophysical Research, 2010, 115, .	3.3	80
159	New Technique for Online Measurement of Water-Soluble Fe(II) in Atmospheric Aerosols. Environmental Science & Technology, 2009, 43, 2425-2430.	4.6	27
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