

# Jeffrey L Collett

## List of Publications by Year in descending order

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201  
papers

12,301  
citations

23567

58  
h-index

38395

95  
g-index

237  
all docs

237  
docs citations

237  
times ranked

8332  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial and temporal variations in precipitation and cloud interception in the Sierra Nevada of central California. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 43, 390.	1.6	5
2	The CU Airborne Solar Occultation Flux Instrument: Performance Evaluation during BB-FLUX. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 582-596.	2.7	7
3	Overlooked Nonagricultural and Wintertime Agricultural NH <sub>3</sub> Emissions in Quzhou County, North China Plain: Evidence from <sup>15</sup> N-Stable Isotopes. <i>Environmental Science and Technology Letters</i> , 2022, 9, 127-133.	8.7	38
4	PM <sub>2.5</sub> and water-soluble inorganic ion concentrations decreased faster in urban than rural areas in China. <i>Journal of Environmental Sciences</i> , 2022, 122, 83-91.	6.1	10
5	Characterization of chemical and physical changes in atmospheric aerosols during fog processing at Baengnyeong Island, South Korea. <i>Atmospheric Environment</i> , 2022, 278, 119091.	4.1	2
6	Spatiotemporal variations of nitrogen and phosphorus deposition across China. <i>Science of the Total Environment</i> , 2022, 830, 154740.	8.0	24
7	PM <sub>2.5</sub> in Carlsbad Caverns National Park: Composition, sources, and visibility impacts. <i>Journal of the Air and Waste Management Association</i> , 2022, 72, 1201-1218.	1.9	3
8	Increasing importance of ammonia emission abatement in PM <sub>2.5</sub> pollution control. <i>Science Bulletin</i> , 2022, 67, 1745-1749.	9.0	33
9	Atmospheric Ammonia in Beijing during the COVID-19 Outbreak: Concentrations, Sources, and Implications. <i>Environmental Science and Technology Letters</i> , 2021, 8, 32-38.	8.7	31
10	Emissions of Reactive Nitrogen From Western U.S. Wildfires During Summer 2018. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD032657.	3.3	41
11	Daytime Oxidized Reactive Nitrogen Partitioning in Western U.S. Wildfire Smoke Plumes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033484.	3.3	36
12	Emissions of Trace Organic Gases From Western U.S. Wildfires Based on WEâ€CAN Aircraft Measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033838.	3.3	54
13	Empirical Insights Into the Fate of Ammonia in Western U.S. Wildfire Smoke Plumes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033730.	3.3	12
14	Ammonia Dry Deposition in an Alpine Ecosystem Traced to Agricultural Emission Hotspots. <i>Environmental Science &amp; Technology</i> , 2021, 55, 7776-7785.	10.0	13
15	Evolution of secondary inorganic aerosols amidst improving PM <sub>2.5</sub> air quality in the North China plain. <i>Environmental Pollution</i> , 2021, 281, 117027.	7.5	13
16	Acidity and the multiphase chemistry of atmospheric aqueous particles and clouds. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 13483-13536.	4.9	59
17	Observations and Modeling of NO <sub>x</sub> Photochemistry and Fate in Fresh Wildfire Plumes. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2652-2667.	2.7	17
18	Volatile organic compounds and ozone at four national parks in the southwestern United States. <i>Atmospheric Environment</i> , 2020, 239, 117783.	4.1	19

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19	A Quantitative Method to Measure and Speciate Amines in Ambient Aerosol Samples. <i>Atmosphere</i> , 2020, 11, 808.	2.3	7
20	The acidity of atmospheric particles and clouds. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 4809-4888.	4.9	327
21	Significant Contribution of Primary Sources to Water-Soluble Organic Carbon During Spring in Beijing, China. <i>Atmosphere</i> , 2020, 11, 395.	2.3	13
22	Ammonia Emissions from Mudflats of River, Lake, and Sea. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 614-619.	2.7	5
23	Using Low-Cost Measurement Systems to Investigate Air Quality: A Case Study in Palapye, Botswana. <i>Atmosphere</i> , 2020, 11, 583.	2.3	5
24	Molecular Characterization of Water-Soluble Brown Carbon Chromophores in Beijing, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032018.	3.3	25
25	Exploring new methods of estimating deposition using atmospheric concentration measurements: A modeling case study of ammonia downwind of a feedlot. <i>Agricultural and Forest Meteorology</i> , 2020, 290, 107989.	4.8	7
26	Assessing the efficacy of nitrogen isotopes to distinguish Colorado Front Range ammonia sources affecting Rocky Mountain National Park. <i>Atmospheric Environment</i> , 2019, 215, 116881.	4.1	9
27	Chemical compositions of fog and precipitation at Sejila Mountain in the southeast Tibetan Plateau, China. <i>Environmental Pollution</i> , 2019, 253, 560-568.	7.5	31
28	Air Toxics and Other Volatile Organic Compound Emissions from Unconventional Oil and Gas Development. <i>Environmental Science and Technology Letters</i> , 2019, 6, 720-726.	8.7	31
29	Reducing Wet Ammonium Deposition in Rocky Mountain National Park: the Development and Evaluation of A Pilot Early Warning System for Agricultural Operations in Eastern Colorado. <i>Environmental Management</i> , 2019, 64, 626-639.	2.7	6
30	Volatile organic compounds and ozone in Rocky Mountain National Park during FRAPP. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 499-521.	4.9	31
31	Ship-borne observations of sea fog and rain chemistry over the North and South Pacific Ocean. <i>Journal of Atmospheric Chemistry</i> , 2019, 76, 315-326.	3.2	5
32	Assessing Contributions of Agricultural and Nonagricultural Emissions to Atmospheric Ammonia in a Chinese Megacity. <i>Environmental Science &amp; Technology</i> , 2019, 53, 1822-1833.	10.0	130
33	Characterization of saccharides and associated usage in determining biogenic and biomass burning aerosols in atmospheric fine particulate matter in the North China Plain. <i>Science of the Total Environment</i> , 2019, 650, 2939-2950.	8.0	33
34	Residential Coal Combustion as a Source of Levoglucosan in China. <i>Environmental Science &amp; Technology</i> , 2018, 52, 1665-1674.	10.0	83
35	The vertical variability of ammonia in urban Beijing, China. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 16385-16398.	4.9	42
36	Development and characterization of a high-efficiency, aircraft-based axial cyclone cloud water collector. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 5025-5048.	3.1	14

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37	Spatial-temporal patterns of inorganic nitrogen air concentrations and deposition in eastern China. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10931-10954.	4.9	65
38	Chemical Composition and Bacterial Community in Size-Resolved Cloud Water at the Summit of Mt. Tai, China. <i>Aerosol and Air Quality Research</i> , 2018, 18, 1-14.	2.1	13
39	Fogs and Air Quality on the Southern California Coast. <i>Aerosol and Air Quality Research</i> , 2018, 18, 224-239.	2.1	9
40	Aqueous Secondary Organic Aerosol Formation in Ambient Cloud Water Photo-Oxidations. <i>Aerosol and Air Quality Research</i> , 2018, 18, 15-25.	2.1	14
41	Impact of Front Range sources on reactive nitrogen concentrations and deposition in Rocky Mountain National Park. <i>PeerJ</i> , 2018, 6, e4759.	2.0	17
42	Atmospheric Nitrogen Emission, Deposition, and Air Quality Impacts in China: an Overview. <i>Current Pollution Reports</i> , 2017, 3, 65-77.	6.6	61
43	Composition and sources of winter haze in the Bakken oil and gas extraction region. <i>Atmospheric Environment</i> , 2017, 156, 77-87.	4.1	27
44	Important fossil source contribution to brown carbon in Beijing during winter. <i>Scientific Reports</i> , 2017, 7, 43182.	3.3	111
45	Aerosol concentrations and composition in the North Pacific marine boundary layer. <i>Atmospheric Environment</i> , 2017, 171, 165-172.	4.1	20
46	Concurrent Temporal and Spatial Trends in Sulfate and Organic Mass Concentrations Measured in the IMPROVE Monitoring Program. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 10,462.	3.3	39
47	Enhanced concentrations of reactive nitrogen species in wildfire smoke. <i>Atmospheric Environment</i> , 2017, 148, 8-15.	4.1	38
48	Tall Tower Vertical Profiles and Diurnal Trends of Ammonia in the Colorado Front Range. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 12,468.	3.3	26
49	Air quality improvement in a megacity: implications from 2015 Beijing Parade Blue pollution control actions. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 31-46.	4.9	91
50	Temporal and spatial variability of ammonia in urban and agricultural regions of northern Colorado, United States. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 6197-6213.	4.9	53
51	Evaluation of the Sequential Spot Sampler (S3) for time-resolved measurement of PM <sub>2.5</sub> ; sulfate and nitrate through lab and field measurements. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 525-533.	3.1	7
52	Impact of Long-Range Transported African Dust on Cloud Water Chemistry at a Tropical Montane Cloud Forest in Northeastern Puerto Rico. <i>Aerosol and Air Quality Research</i> , 2016, 16, 653-664.	2.1	17
53	Wintertime Residential Biomass Burning in Las Vegas, Nevada; Marker Components and Apportionment Methods. <i>Atmosphere</i> , 2016, 7, 58.	2.3	18
54	Measurements and source apportionment of particle-associated polycyclic aromatic hydrocarbons in ambient air in Riyadh, Saudi Arabia. <i>Atmospheric Environment</i> , 2016, 137, 186-198.	4.1	33

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55	Increasing importance of deposition of reduced nitrogen in the United States. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5874-5879.	7.1	312
56	Reply to Sun et al.: Deposition of organic nitrogen. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4435-E4435.	7.1	0
57	Oil and gas impacts on air quality in federal lands in the Bakken region: an overview of the Bakken Air Quality Study and first results. Atmospheric Chemistry and Physics, 2016, 16, 1401-1416.	4.9	62
58	Cloud water composition during HCCT-2010: Scavenging efficiencies, solute concentrations, and droplet size dependence of inorganic ions and dissolved organic carbon. Atmospheric Chemistry and Physics, 2016, 16, 3185-3205.	4.9	57
59	Fog composition at Baengnyeong Island in the eastern Yellow Sea: detecting markers of aqueous atmospheric oxidations. Atmospheric Chemistry and Physics, 2016, 16, 437-453.	4.9	38
60	Evidence for ambient dark aqueous SOA formation in the Po Valley, Italy. Atmospheric Chemistry and Physics, 2016, 16, 8095-8108.	4.9	39
61	The importance of vehicle emissions as a source of atmospheric ammonia in the megacity of Shanghai. Atmospheric Chemistry and Physics, 2016, 16, 3577-3594.	4.9	152
62	The role of dew as a night-time reservoir and morning source for atmospheric ammonia. Atmospheric Chemistry and Physics, 2016, 16, 7435-7449.	4.9	54
63	A hybrid modeling approach for estimating reactive nitrogen deposition in Rocky Mountain National Park. Atmospheric Environment, 2016, 126, 258-273.	4.1	8
64	Reply to Liu et al.: On the importance of US deposition of nitrogen dioxide, coarse particle nitrate, and organic nitrogen. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E3592-E3593.	7.1	0
65	Trace metal characterization of aerosol particles and cloud water during HCCT 2010. Atmospheric Chemistry and Physics, 2015, 15, 8751-8765.	4.9	42
66	Investigating types and sources of organic aerosol in Rocky Mountain National Park using aerosol mass spectrometry. Atmospheric Chemistry and Physics, 2015, 15, 737-752.	4.9	19
67	Quantifying atmospheric nitrogen deposition through a nationwide monitoring network across China. Atmospheric Chemistry and Physics, 2015, 15, 12345-12360.	4.9	324
68	Rocky Mountain National Park reduced nitrogen source apportionment. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4370-4384.	3.3	26
69	Evaluation of the Community Multiscale Air Quality (CMAQ) model v5.0 against size-resolved measurements of inorganic particle composition across sites in North America. Geoscientific Model Development, 2015, 8, 2877-2892.	3.6	60
70	Transport, biomass burning, and in-situ formation contribute to fine particle concentrations at a remote site near Grand Teton National Park. Atmospheric Environment, 2015, 112, 257-268.	4.1	16
71	Chemical characteristics and light-absorbing property of water-soluble organic carbon in Beijing: Biomass burning contributions. Atmospheric Environment, 2015, 121, 4-12.	4.1	192
72	Characterization of aerosol composition, concentrations, and sources at Baengnyeong Island, Korea using an aerosol mass spectrometer. Atmospheric Environment, 2015, 120, 297-306.	4.1	53

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73	Fog composition in the Central Valley of California over three decades. <i>Atmospheric Research</i> , 2015, 151, 20-30.	4.1	45
74	Reprint of "How do components of real cloud water affect aqueous pyruvate oxidation?". <i>Atmospheric Research</i> , 2015, 151, 52-63.	4.1	2
75	Meteorological and Back Trajectory Modeling for the Rocky Mountain Atmospheric Nitrogen and Sulfur Study II. <i>Advances in Meteorology</i> , 2014, 2014, 1-19.	1.6	18
76	Observations of ammonia, nitric acid, and fine particles in a rural gas production region. <i>Atmospheric Environment</i> , 2014, 83, 80-89.	4.1	61
77	Aerosol Liquid Water Driven by Anthropogenic Nitrate: Implications for Lifetimes of Water-Soluble Organic Gases and Potential for Secondary Organic Aerosol Formation. <i>Environmental Science &amp; Technology</i> , 2014, 48, 11127-11136.	10.0	94
78	Seasonal ambient ammonia and ammonium concentrations in a pilot IMPROVE NH <sub>x</sub> monitoring network in the western United States. <i>Atmospheric Environment</i> , 2014, 91, 118-126.	4.1	27
79	Gas-phase reactive nitrogen near Grand Teton National Park: Impacts of transport, anthropogenic emissions, and biomass burning. <i>Atmospheric Environment</i> , 2014, 89, 749-756.	4.1	31
80	Severe haze episodes and seriously polluted fog water in Ji'nan, China. <i>Science of the Total Environment</i> , 2014, 493, 133-137.	8.0	71
81	How do components of real cloud water affect aqueous pyruvate oxidation?. <i>Atmospheric Research</i> , 2014, 143, 95-106.	4.1	19
82	Organic aerosol emission ratios from the laboratory combustion of biomass fuels. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 12,850.	3.3	31
83	Aerosol emissions from prescribed fires in the United States: A synthesis of laboratory and aircraft measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 11,826-11,849.	3.3	116
84	Airborne characterization of smoke marker ratios from prescribed burning. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10535-10545.	4.9	47
85	In-cloud sulfate addition to single particles resolved with sulfur isotope analysis during HCCT-2010. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 4219-4235.	4.9	31
86	Speciation of "brown" carbon in cloud water impacted by agricultural biomass burning in eastern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 7389-7399.	3.3	231
87	A review of observations of organic matter in fogs and clouds: Origin, processing and fate. <i>Atmospheric Research</i> , 2013, 132-133, 434-449.	4.1	169
88	Enhanced Role of Transition Metal Ion Catalysis During In-Cloud Oxidation of SO <sub>2</sub> . <i>Science</i> , 2013, 340, 727-730.	12.6	286
89	Observations of atmospheric reactive nitrogen species in Rocky Mountain National Park and across northern Colorado. <i>Atmospheric Environment</i> , 2013, 64, 66-76.	4.1	71
90	Microscopic Evaluation of Trace Metals in Cloud Droplets in an Acid Precipitation Region. <i>Environmental Science &amp; Technology</i> , 2013, 47, 4172-4180.	10.0	59

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91	Variations in the OM/OC ratio of urban organic aerosol next to a major roadway. <i>Journal of the Air and Waste Management Association</i> , 2013, 63, 1422-1433.	1.9	32
92	Aerosol species concentrations and source apportionment of ammonia at Rocky Mountain National Park. <i>Journal of the Air and Waste Management Association</i> , 2013, 63, 1245-1263.	1.9	19
93	A seasonal nitrogen deposition budget for Rocky Mountain National Park. <i>Ecological Applications</i> , 2013, 23, 1156-1169.	3.8	58
94	Gas-particle partitioning of primary organic aerosol emissions: 3. Biomass burning. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 11,327.	3.3	178
95	Atmospheric concentrations and deposition of reactive nitrogen in Grand Teton National Park. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 11,875.	3.3	19
96	Evaluating WRF-Chem aerosol indirect effects in Southeast Pacific marine stratocumulus during VOCALS-REx. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 3045-3064.	4.9	77
97	Receptor modeling of near-roadway aerosol mass spectrometer data in Las Vegas, Nevada, with EPA PMF. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 309-325.	4.9	41
98	Stable water isotopologue ratios in fog and cloud droplets of liquid clouds are not size-dependent. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 9855-9863.	4.9	3
99	Atmospheric ammonia and particulate inorganic nitrogen over the United States. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 10295-10312.	4.9	240
100	Temporal evolution of stable water isotopologues in cloud droplets in a hill cap cloud in central Europe (HCCT-2010). <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 11679-11694.	4.9	9
101	Aqueous phase sulfate production in clouds in eastern China. <i>Atmospheric Environment</i> , 2012, 62, 502-511.	4.1	80
102	Fragmentation Analysis of Water-Soluble Atmospheric Organic Matter Using Ultrahigh-Resolution FT-ICR Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , 2012, 46, 4312-4322.	10.0	66
103	Microfluidic Electrochemical Sensor for On-Line Monitoring of Aerosol Oxidative Activity. <i>Journal of the American Chemical Society</i> , 2012, 134, 10562-10568.	13.7	73
104	Spatial and temporal variability of ammonia and other inorganic aerosol species. <i>Atmospheric Environment</i> , 2012, 61, 490-498.	4.1	36
105	Characterization of cloud water chemistry at Mount Tai, China: Seasonal variation, anthropogenic impact, and cloud processing. <i>Atmospheric Environment</i> , 2012, 60, 467-476.	4.1	88
106	Total and monomethyl mercury in fog water from the central California coast. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	57
107	New particle formation and growth in biomass burning plumes: An important source of cloud condensation nuclei. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	54
108	Cloud water composition over the southeastern Pacific Ocean during the VOCALS regional experiment. <i>Atmospheric Environment</i> , 2012, 46, 104-114.	4.1	55

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109	Secondary Organic Aerosol: A Comparison between Foggy and Nonfoggy Days. <i>Environmental Science &amp; Technology</i> , 2011, 45, 7307-7313.	10.0	147
110	Application of high-performance anion-exchange chromatographyâ€“pulsed amperometric detection for measuring carbohydrates in routine daily filter samples collected by a national network: 1. Determination of the impact of biomass burning in the upper Midwest. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	25
111	Application of high-performance anion-exchange chromatographyâ€“pulsed amperometric detection for measuring carbohydrates in routine daily filter samples collected by a national network: 2. Examination of sugar alcohols/polyols, sugars, and anhydrosugars in the upper Midwest. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	20
112	Speciation of water-soluble inorganic, organic, and total nitrogen in a background marine environment: Cloud water, rainwater, and aerosol particles. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	59
113	Influence of regional pollution and sandstorms on the chemical composition of cloud/fog at the summit of Mt. Taishan in northern China. <i>Atmospheric Research</i> , 2011, 99, 434-442.	4.1	62
114	Chemical and physical transformations of organic aerosol from the photo-oxidation of open biomass burning emissions in an environmental chamber. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 7669-7686.	4.9	329
115	Atmospheric sulfur cycling in the southeastern Pacific â€“ longitudinal distribution, vertical profile, and diel variability observed during VOCALS-REx. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 5079-5097.	4.9	50
116	Modeling the fate of atmospheric reduced nitrogen during the Rocky Mountain Atmospheric Nitrogen and Sulfur Study (RoMANS): Performance evaluation and diagnosis using integrated processes rate analysis. <i>Atmospheric Environment</i> , 2011, 45, 223-234.	4.1	22
117	Development of wildland fire particulate smoke marker to organic carbon emission ratios for the conterminous United States. <i>Atmospheric Environment</i> , 2011, 45, 395-403.	4.1	22
118	Back-trajectory-based source apportionment of airborne sulfur and nitrogen concentrations at Rocky Mountain National Park, Colorado, USA. <i>Atmospheric Environment</i> , 2011, 45, 621-633.	4.1	40
119	Determining contributions of biomass burning and other sources to fine particle contemporary carbon in the western United States. <i>Atmospheric Environment</i> , 2011, 45, 1986-1993.	4.1	45
120	Fog water chemistry in Shanghai. <i>Atmospheric Environment</i> , 2011, 45, 4034-4041.	4.1	61
121	Sources of Bacteria in Outdoor Air across Cities in the Midwestern United States. <i>Applied and Environmental Microbiology</i> , 2011, 77, 6350-6356.	3.1	237
122	Speciation of Mercury (II) and Methylmercury in Cloud and Fog Water. <i>Aerosol and Air Quality Research</i> , 2011, 11, 161-169.	2.1	21
123	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.	3.1	156
124	Optical closure experiments for biomass smoke aerosols. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 9017-9026.	4.9	45
125	Water uptake and chemical composition of fresh aerosols generated in open burning of biomass. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 5165-5178.	4.9	104
126	Deposition of reactive nitrogen during the Rocky Mountain Airborne Nitrogen and Sulfur (RoMANS) study. <i>Environmental Pollution</i> , 2010, 158, 862-872.	7.5	71



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127	Water-Soluble Atmospheric Organic Matter in Fog: Exact Masses and Chemical Formula Identification by Ultrahigh-Resolution Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>Environmental Science &amp; Technology</i> , 2010, 44, 3690-3697.	10.0	197
128	Levoglucosan stability in biomass burning particles exposed to hydroxyl radicals. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	406
129	Using High Time Resolution Aerosol and Number Size Distribution Measurements to Estimate Atmospheric Extinction. <i>Journal of the Air and Waste Management Association</i> , 2009, 59, 1049-1060.	1.9	11
130	Measurement of gas-phase total peroxides at the summit of Mount Tai in China. <i>Atmospheric Environment</i> , 2009, 43, 1702-1711.	4.1	38
131	Aerosol physical, chemical and optical properties during the Rocky Mountain Airborne Nitrogen and Sulfur study. <i>Atmospheric Environment</i> , 2009, 43, 1932-1939.	4.1	28
132	Organic composition of fogwater in the Texas–Louisiana gulf coast corridor. <i>Atmospheric Environment</i> , 2009, 43, 4214-4222.	4.1	39
133	Organic carbon, total nitrogen, and water-soluble ions in clouds from a tropical montane cloud forest in Puerto Rico. <i>Atmospheric Environment</i> , 2009, 43, 4171-4177.	4.1	44
134	High-sensitivity microchip electrophoresis determination of inorganic anions and oxalate in atmospheric aerosols with adjustable selectivity and conductivity detection. <i>Journal of Chromatography A</i> , 2009, 1216, 1503-1510.	3.7	41
135	Interfacing Microchip Electrophoresis to a Growth Tube Particle Collector for Semicontinuous Monitoring of Aerosol Composition. <i>Analytical Chemistry</i> , 2009, 81, 10029-10037.	6.5	29
136	Emissions of trace gases and aerosols during the open combustion of biomass in the laboratory. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	336
137	Ice nucleation behavior of biomass combustion particles at cirrus temperatures. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	68
138	Cloud condensation nucleation activity of biomass burning aerosol. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	213
139	Ice nuclei emissions from biomass burning. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	125
140	Water-soluble organic and nitrogen levels in cloud and rainwater in a background marine environment under influence of different air masses. <i>Journal of Atmospheric Chemistry</i> , 2008, 61, 85-99.	3.2	32
141	Observations of fine and coarse particle nitrate at several rural locations in the United States. <i>Atmospheric Environment</i> , 2008, 42, 2720-2732.	4.1	88
142	Fog chemistry in the Texas–Louisiana Gulf Coast corridor. <i>Atmospheric Environment</i> , 2008, 42, 2048-2061.	4.1	88
143	Semi-continuous measurement of PM <sub>2.5</sub> ionic composition at several rural locations in the United States. <i>Atmospheric Environment</i> , 2008, 42, 6655-6669.	4.1	39
144	Aerosol hygroscopicity and cloud droplet activation of extracts of filters from biomass burning experiments. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	69

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145	Processing of atmospheric organic matter by California radiation fogs. <i>Atmospheric Research</i> , 2008, 87, 232-241.	4.1	125
146	An economical optical cloud/fog detector. <i>Atmospheric Research</i> , 2008, 87, 259-267.	4.1	20
147	Comprehensive Characterization of Atmospheric Organic Matter in Fresno, California Fog Water. <i>Environmental Science &amp; Technology</i> , 2007, 41, 393-399.	10.0	53
148	Integrated Membrane Filters for Minimizing Hydrodynamic Flow and Filtering in Microfluidic Devices. <i>Analytical Chemistry</i> , 2007, 79, 6249-6254.	6.5	40
149	Chemical composition of marine stratocumulus clouds over the eastern Pacific Ocean. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	51
150	Separation of common organic and inorganic anions in atmospheric aerosols using a piperazine buffer and capillary electrophoresis. <i>Journal of Chromatography A</i> , 2007, 1154, 400-406.	3.7	18
151	Air Pollution Processing by Radiation Fogs. <i>Water, Air, and Soil Pollution</i> , 2007, 181, 65-75.	2.4	78
152	Wood Smoke Contribution to Winter Aerosol in Fresno, CA. <i>Journal of the Air and Waste Management Association</i> , 2006, 56, 1584-1590.	1.9	53
153	Analysis of anions in ambient aerosols by microchip capillary electrophoresis. <i>Analyst, The</i> , 2006, 131, 1226.	3.5	11
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