Jeffrey L Collett

List of Publications by Year
in descending order

201	12,301	23567 58	38395 95
papers	citations	h-index	g-index

237	237	237	8332
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Levoglucosan stability in biomass burning particles exposed to hydroxyl radicals. Geophysical Research Letters, 2010, 37, .	4.0	406
2	Emissions of trace gases and aerosols during the open combustion of biomass in the laboratory. Journal of Geophysical Research, 2009, 114, .	3.3	336
3	Chemical and physical transformations of organic aerosol from the photo-oxidation of open biomass burning emissions in an environmental chamber. Atmospheric Chemistry and Physics, 2011, 11, 7669-7686.	4.9	329
4	The acidity of atmospheric particles and clouds. Atmospheric Chemistry and Physics, 2020, 20, 4809-4888.	4.9	327
5	Quantifying atmospheric nitrogen deposition through a nationwide monitoring network across China. Atmospheric Chemistry and Physics, 2015, 15, 12345-12360.	4.9	324
6	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
7	Enhanced Role of Transition Metal Ion Catalysis During In-Cloud Oxidation of SO ₂. Science, 2013, 340, 727-730.	12.6	286
8	Determination of levoglucosan in biomass combustion aerosol by high-performance anion-exchange chromatography with pulsed amperometric detection. Atmospheric Environment, 2006, 40, 299-311.	4.1	273
9	Atmospheric ammonia and particulate inorganic nitrogen over the United States. Atmospheric Chemistry and Physics, 2012, 12, 10295-10312.	4.9	240
10	Sources of Bacteria in Outdoor Air across Cities in the Midwestern United States. Applied and Environmental Microbiology, 2011, 77, 6350-6356.	3.1	237
11	Speciation of â€œbrownâ€•carbon in cloud water impacted by agricultural biomass burning in eastern China. Journal of Geophysical Research D: Atmospheres, 2013, 118, 7389-7399.	3.3	231
12	Cloud condensation nucleation activity of biomass burning aerosol. Journal of Geophysical Research, 2009, 114, .	3.3	213
13	Water-Soluble Atmospheric Organic Matter in Fog: Exact Masses and Chemical Formula Identification by Ultrahigh-Resolution Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Environmental Science & Technology, 2010, 44, 3690-3697.	10.0	197
14	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
15	Gasâ€particle partitioning of primary organic aerosol emissions: 3. Biomass burning. Journal of Geophysical Research D: Atmospheres, 2013, 118, 11,327.	3.3	178
16	A review of observations of organic matter in fogs and clouds: Origin, processing and fate. Atmospheric Research, 2013, 132-133, 434-449.	4.1	169
17	Chemical Smoke Marker Emissions During Flaming and Smoldering Phases of Laboratory Open Burning of Wildland Fuels. Aerosol Science and Technology, 2010, 44, i-v.	3.1	156
18	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

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19	Secondary Organic Aerosol: A Comparison between Foggy and Nonfoggy Days. Environmental Science & Technology, 2011, 45, 7307-7313.	10.0	147
20	Assessing Contributions of Agricultural and Nonagricultural Emissions to Atmospheric Ammonia in a Chinese Megacity. Environmental Science & Technology, 2019, 53, 1822-1833.	10.0	130
21	Processing of atmospheric organic matter by California radiation fogs. Atmospheric Research, 2008, 87, 232-241.	4.1	125
22	Ice nuclei emissions from biomass burning. Journal of Geophysical Research, 2009, 114, .	3.3	125
23	SchmÃ¼cke hill cap cloud and valley stations aerosol characterisation during FEBUKO (II): Organic compounds. Atmospheric Environment, 2005, 39, 4305-4320.	4.1	118
24	Aerosol emissions from prescribed fires in the United States: A synthesis of laboratory and aircraft measurements. Journal of Geophysical Research D: Atmospheres, 2014, 119, 11,826-11,849.	3.3	116
25	Hygroscopic growth behavior of a carbon-dominated aerosol in Yosemite National Park. Atmospheric Environment, 2005, 39, 1393-1404.	4.1	113
26	Important fossil source contribution to brown carbon in Beijing during winter. Scientific Reports, 2017, 7, 43182.	3.3	111
27	Humidity-dependent optical properties of fine particles during the Big Bend Regional Aerosol and Visibility Observational Study. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	110
28	Water uptake and chemical composition of fresh aerosols generated in open burning of biomass. Atmospheric Chemistry and Physics, 2010, 10, 5165-5178.	4.9	104
29	The chemical composition of fogs and intercepted clouds in the United States. Atmospheric Research, 2002, 64, 29-40.	4.1	99
30	Aerosol Liquid Water Driven by Anthropogenic Nitrate: Implications for Lifetimes of Water-Soluble Organic Gases and Potential for Secondary Organic Aerosol Formation. Environmental Science & Technology, 2014, 48, 11127-11136.	10.0	94
31	Spatial and temporal variations in San Joaquin Valley fog chemistry. Atmospheric Environment, 1998, 33, 129-140.	4.1	93
32	Air quality improvement in a megacity: implications from 2015ÂBeijing Parade Blue pollution control actions. Atmospheric Chemistry and Physics, 2017, 17, 31-46.	4.9	91
33	Loss of fine particle ammonium from denuded nylon filters. Atmospheric Environment, 2006, 40, 4797-4807.	4.1	89
34	Observations of fine and coarse particle nitrate at several rural locations in the United States. Atmospheric Environment, 2008, 42, 2720-2732.	4.1	88
35	Fog chemistry in the Texasâ€“Louisiana Gulf Coast corridor. Atmospheric Environment, 2008, 42, 2048-2061.	4.1	88
36	Characterization of cloud water chemistry at Mount Tai, China: Seasonal variation, anthropogenic impact, and cloud processing. Atmospheric Environment, 2012, 60, 467-476.	4.1	88

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37	Characterization of organic aerosol in Big Bend National Park, Texas. Atmospheric Environment, 2002, 36, 5807-5818.	4.1	85
38	Residential Coal Combustion as a Source of Levoglucosan in China. Environmental Science & Technology, 2018, 52, 1665-1674.	10.0	83
39	Drop size-dependent chemical composition in clouds and fogs. Part I. Observations. Atmospheric Environment, 2004, 38, 1389-1402.	4.1	81
40	Aqueous phase sulfate production in clouds in eastern China. Atmospheric Environment, 2012, 62, 502-511.	4.1	80
41	Air Pollution Processing by Radiation Fogs. Water, Air, and Soil Pollution, 2007, 181, 65-75.	2.4	78
42	Evaluating WRF-Chem aerosol indirect effects in Southeast Pacific marine stratocumulus during VOCALS-REx. Atmospheric Chemistry and Physics, 2012, 12, 3045-3064.	4.9	77
43	Microfluidic Electrochemical Sensor for On-Line Monitoring of Aerosol Oxidative Activity. Journal of the American Chemical Society, 2012, 134, 10562-10568.	13.7	73
44	Acidity variations across the cloud drop size spectrum and their influence on rates of atmospheric sulfate production. Geophysical Research Letters, 1994, 21, 2393-2396.	4.0	72
45	Deposition of reactive nitrogen during the Rocky Mountain Airborne Nitrogen and Sulfur (RoMANS) study. Environmental Pollution, 2010, 158, 862-872.	7.5	71
46	Observations of atmospheric reactive nitrogen species in Rocky Mountain National Park and across northern Colorado. Atmospheric Environment, 2013, 64, 66-76.	4.1	71
47	Severe haze episodes and seriously polluted fog water in Ji'nan, China. Science of the Total Environment, 2014, 493, 133-137.	8.0	71
48	Intercomparison and closure calculations using measurements of aerosol species and optical properties during the Yosemite Aerosol Characterization Study. Journal of Geophysical Research, 2005, 110, n/a-n/a.	3.3	69
49	Aerosol hygroscopicity and cloud droplet activation of extracts of filters from biomass burning experiments. Journal of Geophysical Research, 2008, 113, .	3.3	69
50	Ice nucleation behavior of biomass combustion particles at cirrus temperatures. Journal of Geophysical Research, 2009, 114, .	3.3	68
51	Cloud chemistry varies with drop size. Journal of Geophysical Research, 1997, 102, 28071-28078.	3.3	67
52	Organic Matter in Central California Radiation Fogs. Environmental Science & Technology, 2002, 36, 4777-4782.	10.0	66
53	Fragmentation Analysis of Water-Soluble Atmospheric Organic Matter Using Ultrahigh-Resolution FT-ICR Mass Spectrometry. Environmental Science & Technology, 2012, 46, 4312-4322.	10.0	66
54	Physical factors influencing winter precipitation chemistry. Environmental Science & Technology, 1991, 25, 782-788.	10.0	65

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55	Spatialâ€“temporal patterns of inorganic nitrogen air concentrations and deposition in eastern China. Atmospheric Chemistry and Physics, 2018, 18, 10931-10954.	4.9	65
56	Organic compounds in radiation fogs in Davis (California). Atmospheric Research, 2002, 64, 99-108.	4.1	64
57	Determination of Levoglucosan from Smoke Samples Using Microchip Capillary Electrophoresis with Pulsed Amperometric Detection. Environmental Science & Technology, 2005, 39, 618-623.	10.0	63
58	Hygroscopic properties of an organic-laden aerosol. Atmospheric Environment, 2005, 39, 4969-4982.	4.1	62
59	Influence of regional pollution and sandstorms on the chemical composition of cloud/fog at the summit of Mt. Taishan in northern China. Atmospheric Research, 2011, 99, 434-442.	4.1	62
60	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
61	Fog water chemistry in Shanghai. Atmospheric Environment, 2011, 45, 4034-4041.	4.1	61
62	Observations of ammonia, nitric acid, and fine particles in a rural gas production region. Atmospheric Environment, 2014, 83, 80-89.	4.1	61
63	Atmospheric Nitrogen Emission, Deposition, and Air Quality Impacts in China: an Overview. Current Pollution Reports, 2017, 3, 65-77.	6.6	61
64	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
65	Speciation of water-soluble inorganic, organic, and total nitrogen in a background marine environment: Cloud water, rainwater, and aerosol particles. Journal of Geophysical Research, 2011, 116, .	3.3	59
66	Microscopic Evaluation of Trace Metals in Cloud Droplets in an Acid Precipitation Region. Environmental Science & Technology, 2013, 47, 4172-4180.	10.0	59
67	Acidity and the multiphase chemistry of atmospheric aqueous particles and clouds. Atmospheric Chemistry and Physics, 2021, 21, 13483-13536.	4.9	59
68	Drop size-dependent S(IV) oxidation in chemically heterogeneous radiation fogs. Atmospheric Environment, 2001, 35, 5717-5728.	4.1	58
69	FEBUKO and MODMEP: Field measurements and modelling of aerosol and cloud multiphase processes. Atmospheric Environment, 2005, 39, 4169-4183.	4.1	58
70	Composition of the fine organic aerosol in Yosemite National Park during the 2002 Yosemite Aerosol Characterization Study. Atmospheric Environment, 2006, 40, 2959-2972.	4.1	58
71	A seasonal nitrogen deposition budget for Rocky Mountain National Park. Ecological Applications, 2013, 23, 1156-1169.	3.8	58
72	Total and monomethyl mercury in fog water from the central California coast. Geophysical Research Letters, 2012, 39, .	4.0	57

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73	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
74	Smoke-impacted regional haze in California during the summer of 2002. Agricultural and Forest Meteorology, 2006, 137, 25-42.	4.8	55
75	Cloud water composition over the southeastern Pacific Ocean during the VOCALS regional experiment. Atmospheric Environment, 2012, 46, 104-114.	4.1	55
76	New particle formation and growth in biomass burning plumes: An important source of cloud condensation nuclei. Geophysical Research Letters, 2012, 39, .	4.0	54
77	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
78	Emissions of Trace Organic Gases From Western U.S. Wildfires Based on WEâ€CAN Aircraft Measurements. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033838.	3.3	54
79	Wood Smoke Contribution to Winter Aerosol in Fresno, CA. Journal of the Air and Waste Management Association, 2006, 56, 1584-1590.	1.9	53
80	Comprehensive Characterization of Atmospheric Organic Matter in Fresno, California Fog Water. Environmental Science & Technology, 2007, 41, 393-399.	10.0	53
81	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
82	Temporal and spatial variability of ammonia in urban and agricultural regions of northern Colorado, United States. Atmospheric Chemistry and Physics, 2017, 17, 6197-6213.	4.9	53
83	Chemical composition of marine stratocumulus clouds over the eastern Pacific Ocean. Journal of Geophysical Research, 2007, 112, .	3.3	51
84	Atmospheric sulfur cycling in the southeastern Pacific â€“ longitudinal distribution, vertical profile, and diel variability observed during VOCALS-REx. Atmospheric Chemistry and Physics, 2011, 11, 5079-5097.	4.9	50
85	The influence of size-dependent droplet composition on pollutant processing by fogs. Atmospheric Environment, 2005, 39, 4561-4574.	4.1	49
86	Particle Size Distributions of Organic Aerosol Constituents during the 2002 Yosemite Aerosol Characterization Study. Environmental Science & Technology, 2006, 40, 4554-4562.	10.0	48
87	The chemical composition of intercepted cloudwater in the Sierra Nevada. Atmospheric Environment Part A General Topics, 1990, 24, 959-972.	1.3	47
88	Airborne characterization of smoke marker ratios from prescribed burning. Atmospheric Chemistry and Physics, 2014, 14, 10535-10545.	4.9	47
89	Intensive studies of Sierra Nevada cloudwater chemistry and its relationship to precursor aerosol and gas concentrations. Atmospheric Environment Part A General Topics, 1990, 24, 1741-1757.	1.3	45
90	Optical closure experiments for biomass smoke aerosols. Atmospheric Chemistry and Physics, 2010, 10, 9017-9026.	4.9	45

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91	Determining contributions of biomass burning and other sources to fine particle contemporary carbon in the western United States. Atmospheric Environment, 2011, 45, 1986-1993.	4.1	45
92	Fog composition in the Central Valley of California over three decades. Atmospheric Research, 2015, 151, 20-30.	4.1	45
93	Drop size-dependent chemical composition of clouds and fogs. Part II: Relevance to interpreting the aerosol/trace gas/fog system. Atmospheric Environment, 2004, 38, 1403-1415.	4.1	44
94	Organic carbon, total nitrogen, and water-soluble ions in clouds from a tropical montane cloud forest in Puerto Rico. Atmospheric Environment, 2009, 43, 4171-4177.	4.1	44
95	Particulate Nitrate Measurement Using Nylon Filters. Journal of the Air and Waste Management Association, 2005, 55, 1100-1110.	1.9	42
96	Trace metal characterization of aerosol particles and cloud water during HCCT 2010. Atmospheric Chemistry and Physics, 2015, 15, 8751-8765.	4.9	42
97	The vertical variability of ammonia in urban Beijing, China. Atmospheric Chemistry and Physics, 2018, 18, 16385-16398.	4.9	42
98	High-sensitivity microchip electrophoresis determination of inorganic anions and oxalate in atmospheric aerosols with adjustable selectivity and conductivity detection. Journal of Chromatography A, 2009, 1216, 1503-1510.	3.7	41
99	Receptor modeling of near-roadway aerosol mass spectrometer data in Las Vegas, Nevada, with EPA PMF. Atmospheric Chemistry and Physics, 2012, 12, 309-325.	4.9	41
100	Emissions of Reactive Nitrogen From Western U.S. Wildfires During Summer 2018. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD032657.	3.3	41
101	Integrated Membrane Filters for Minimizing Hydrodynamic Flow and Filtering in Microfluidic Devices. Analytical Chemistry, 2007, 79, 6249-6254.	6.5	40
102	Back-trajectory-based source apportionment of airborne sulfur and nitrogen concentrations at Rocky Mountain National Park, Colorado, USA. Atmospheric Environment, 2011, 45, 621-633.	4.1	40
103	Semi-continuous measurement of PM2.5 ionic composition at several rural locations in the United States. Atmospheric Environment, 2008, 42, 6655-6669.	4.1	39
104	Organic composition of fogwater in the Texasâ€“Louisiana gulf coast corridor. Atmospheric Environment, 2009, 43, 4214-4222.	4.1	39
105	Evidence for ambient dark aqueous SOA formation in the Po Valley, Italy. Atmospheric Chemistry and Physics, 2016, 16, 8095-8108.	4.9	39
106	Concurrent Temporal and Spatial Trends in Sulfate and Organic Mass Concentrations Measured in the IMPROVE Monitoring Program. Journal of Geophysical Research D: Atmospheres, 2017, 122, 10,462.	3.3	39
107	Measurement of gas-phase total peroxides at the summit of Mount Tai in China. Atmospheric Environment, 2009, 43, 1702-1711.	4.1	38
108	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

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109	Enhanced concentrations of reactive nitrogen species in wildfire smoke. Atmospheric Environment, 2017, 148, 8-15.	4.1	38
110	Overlooked Nonagricultural and Wintertime Agricultural NH₃ Emissions in Quzhou County, North China Plain: Evidence from ¹⁵N-Stable Isotopes. Environmental Science and Technology Letters, 2022, 9, 127-133.	8.7	38
111	Spatial and temporal variability of ammonia and other inorganic aerosol species. Atmospheric Environment, 2012, 61, 490-498.	4.1	36
112	Daytime Oxidized Reactive Nitrogen Partitioning in Western U.S. Wildfire Smoke Plumes. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033484.	3.3	36
113	SchmÃ¼cke hill cap cloud and valley stations aerosol characterisation during FEBUKO (I): Particle size distribution, mass, and main components. Atmospheric Environment, 2005, 39, 4291-4303.	4.1	35
114	Aerosol Ion Characteristics During the Big Bend Regional Aerosol and Visibility Observational Study. Journal of the Air and Waste Management Association, 2004, 54, 585-592.	1.9	34
115	Measurements and source apportionment of particle-associated polycyclic aromatic hydrocarbons in ambient air in Riyadh, Saudi Arabia. Atmospheric Environment, 2016, 137, 186-198.	4.1	33
116	Characterization of saccharides and associated usage in determining biogenic and biomass burning aerosols in atmospheric fine particulate matter in the North China Plain. Science of the Total Environment, 2019, 650, 2939-2950.	8.0	33
117	Increasing importance of ammonia emission abatement in PM2.5 pollution control. Science Bulletin, 2022, 67, 1745-1749.	9.0	33
118	Water-soluble organic and nitrogen levels in cloud and rainwater in a background marine environment under influence of different air masses. Journal of Atmospheric Chemistry, 2008, 61, 85-99.	3.2	32
119	Variations in the OM/OC ratio of urban organic aerosol next to a major roadway. Journal of the Air and Waste Management Association, 2013, 63, 1422-1433.	1.9	32
120	Title is missing!. Journal of Atmospheric Chemistry, 1998, 30, 273-289.	3.2	31
121	Cloud physics and cloud water sampler comparison during FEBUKO. Atmospheric Environment, 2005, 39, 4267-4277.	4.1	31
122	Gas-phase reactive nitrogen near Grand Teton National Park: Impacts of transport, anthropogenic emissions, and biomass burning. Atmospheric Environment, 2014, 89, 749-756.	4.1	31
123	Organic aerosol emission ratios from the laboratory combustion of biomass fuels. Journal of Geophysical Research D: Atmospheres, 2014, 119, 12,850.	3.3	31
124	In-cloud sulfate addition to single particles resolved with sulfur isotope analysis during HCCT-2010. Atmospheric Chemistry and Physics, 2014, 14, 4219-4235.	4.9	31
125	Chemical compositions of fog and precipitation at Sejila Mountain in the southeast Tibetan Plateau, China. Environmental Pollution, 2019, 253, 560-568.	7.5	31
126	Air Toxics and Other Volatile Organic Compound Emissions from Unconventional Oil and Gas Development. Environmental Science and Technology Letters, 2019, 6, 720-726.	8.7	31

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127	Volatile organic compounds and ozone in Rocky Mountain National Park during FRAPPÃ‰. Atmospheric Chemistry and Physics, 2019, 19, 499-521.	4.9	31
128	Atmospheric Ammonia in Beijing during the COVID-19 Outbreak: Concentrations, Sources, and Implications. Environmental Science and Technology Letters, 2021, 8, 32-38.	8.7	31
129	Interfacing Microchip Electrophoresis to a Growth Tube Particle Collector for Semicontinuous Monitoring of Aerosol Composition. Analytical Chemistry, 2009, 81, 10029-10037.	6.5	29
130	Aerosol physical, chemical and optical properties during the Rocky Mountain Airborne Nitrogen and Sulfur study. Atmospheric Environment, 2009, 43, 1932-1939.	4.1	28
131	Measurement of Gaseous and Particulate Emissions from Algae-Based Fatty Acid Methyl Esters. SAE International Journal of Fuels and Lubricants, 0, 3, 292-321.	0.2	28
132	Seasonal ambient ammonia and ammonium concentrations in a pilot IMPROVE NHx monitoring network in the western United States. Atmospheric Environment, 2014, 91, 118-126.	4.1	27
133	Composition and sources of winter haze in the Bakken oil and gas extraction region. Atmospheric Environment, 2017, 156, 77-87.	4.1	27
134	A comparison of two cloudwater/fogwater collectors: The rotating arm collector and the caltech active strand cloudwater collector. Atmospheric Environment Part A General Topics, 1990, 24, 1685-1692.	1.3	26
135	Title is missing!. Water, Air and Soil Pollution, 2001, 1, 303-312.	0.8	26
136	Rocky Mountain National Park reduced nitrogen source apportionment. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4370-4384.	3.3	26
137	Tall Tower Vertical Profiles and Diurnal Trends of Ammonia in the Colorado Front Range. Journal of Geophysical Research D: Atmospheres, 2017, 122, 12,468.	3.3	26
138	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. Journal of Geophysical Research, 2011, 116, .	3.3	25
139	Molecular Characterization of Waterâ€Soluble Brown Carbon Chromophores in Beijing, China. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032018.	3.3	25
140	Spatiotemporal variations of nitrogen and phosphorus deposition across China. Science of the Total Environment, 2022, 830, 154740.	8.0	24
141	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. Atmospheric Environment, 2011, 45, 223-234.	4.1	22
142	Development of wildland fire particulate smoke marker to organic carbon emission ratios for the conterminous United States. Atmospheric Environment, 2011, 45, 395-403.	4.1	22
143	Development of a multi-stage cloud water collector Part 1: Design and field performance evaluation. Atmospheric Environment, 2002, 36, 31-44.	4.1	21
144	Speciation of Mercury (II) and Methylmercury in Cloud and Fog Water. Aerosol and Air Quality Research, 2011, 11, 161-169.	2.1	21

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145	An economical optical cloud/fog detector. Atmospheric Research, 2008, 87, 259-267.	4.1	20
146	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. Journal of Geophysical Research, 2011, 116, .	3.3	20
147	Aerosol concentrations and composition in the North Pacific marine boundary layer. Atmospheric Environment, 2017, 171, 165-172.	4.1	20
148	Development of a multi-stage cloud water collector Part 2: Numerical and experimental calibration. Atmospheric Environment, 2002, 36, 45-56.	4.1	19
149	Comparison of the Chemical Composition of Precipitation on the Western and Eastern Coasts of Korea. Water, Air, and Soil Pollution, 2004, 151, 11-34.	2.4	19
150	Aerosol species concentrations and source apportionment of ammonia at Rocky Mountain National Park. Journal of the Air and Waste Management Association, 2013, 63, 1245-1263.	1.9	19
151	Atmospheric concentrations and deposition of reactive nitrogen in Grand Teton National Park. Journal of Geophysical Research D: Atmospheres, 2013, 118, 11,875.	3.3	19
152	How do components of real cloud water affect aqueous pyruvate oxidation?. Atmospheric Research, 2014, 143, 95-106.	4.1	19
153	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
154	Volatile organic compounds and ozone at four national parks in the southwestern United States. Atmospheric Environment, 2020, 239, 117783.	4.1	19
155	Separation of common organic and inorganic anions in atmospheric aerosols using a piperazine buffer and capillary electrophoresis. Journal of Chromatography A, 2007, 1154, 400-406.	3.7	18
156	Meteorological and Back Trajectory Modeling for the Rocky Mountain Atmospheric Nitrogen and Sulfur Study II. Advances in Meteorology, 2014, 2014, 1-19.	1.6	18
157	Wintertime Residential Biomass Burning in Las Vegas, Nevada; Marker Components and Apportionment Methods. Atmosphere, 2016, 7, 58.	2.3	18
158	Impact of Long-Range Transported African Dust on Cloud Water Chemistry at a Tropical Montane Cloud Forest in Northeastern Puerto Rico. Aerosol and Air Quality Research, 2016, 16, 653-664.	2.1	17
159	Observations and Modeling of NO_x Photochemistry and Fate in Fresh Wildfire Plumes. ACS Earth and Space Chemistry, 2021, 5, 2652-2667.	2.7	17
160	Impact of Front Range sources on reactive nitrogen concentrations and deposition in Rocky Mountain National Park. PeerJ, 2018, 6, e4759.	2.0	17
161	Sulfur dioxide oxidation in clouds at Whiteface Mountain as a function of drop size. Journal of Geophysical Research, 2001, 106, 17347-17358.	3.3	16
162	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

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163	Hourly concentrations and light scattering cross sections for fine particle sulfate at Big Bend National Park. Atmospheric Environment, 2003, 37, 1175-1183.	4.1	14
164	Development and characterization of a high-efficiency, aircraft-based axial cyclone cloud water collector. Atmospheric Measurement Techniques, 2018, 11, 5025-5048.	3.1	14
165	Aqueous Secondary Organic Aerosol Formation in Ambient Cloud Water Photo-Oxidations. Aerosol and Air Quality Research, 2018, 18, 15-25.	2.1	14
166	On the use of anion exchange chromatography for the characterization of water soluble organic carbon. Geophysical Research Letters, 2005, 32, .	4.0	13
167	Significant Contribution of Primary Sources to Water-Soluble Organic Carbon During Spring in Beijing, China. Atmosphere, 2020, 11, 395.	2.3	13
168	Ammonia Dry Deposition in an Alpine Ecosystem Traced to Agricultural Emission Hotpots. Environmental Science & Technology, 2021, 55, 7776-7785.	10.0	13
169	Evolution of secondary inorganic aerosols amidst improving PM2.5 air quality in the North China plain. Environmental Pollution, 2021, 281, 117027.	7.5	13
170	Chemical Composition and Bacterial Community in Size-Resolved Cloud Water at the Summit of Mt. Tai, China. Aerosol and Air Quality Research, 2018, 18, 1-14.	2.1	13
171	The effect of riming on the ion concentrations of winter precipitation: 1. A quantitative analysis of field measurements. Journal of Geophysical Research, 1995, 100, 11517.	3.3	12
172	Empirical Insights Into the Fate of Ammonia in Western U.S. Wildfire Smoke Plumes. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033730.	3.3	12
173	The influence of chemical heterogeneity among cloud drop populations on processing of chemical species in winter clouds. Atmospheric Research, 1999, 51, 119-140.	4.1	11
174	Analysis of anions in ambient aerosols by microchip capillary electrophoresis. Analyst, The, 2006, 131, 1226.	3.5	11
175	Using High Time Resolution Aerosol and Number Size Distribution Measurements to Estimate Atmospheric Extinction. Journal of the Air and Waste Management Association, 2009, 59, 1049-1060.	1.9	11
176	Aerosol Particle Processing and Removal by Fogs: Observations in Chemically Heterogeneous Central California Radiation Fogs. , 2001, , 303-312.		11
177	PM2.5 and water-soluble inorganic ion concentrations decreased faster in urban than rural areas in China. Journal of Environmental Sciences, 2022, 122, 83-91.	6.1	10
178	The influence of riming and frontal dynamics on winter precipitation chemistry in level terrain. Atmospheric Research, 1994, 32, 203-213.	4.1	9
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