Kim Prather

List of Publications by Year
in descending order

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265 papers	25,817 citations	4942 84 h-index	8835 145 g-index
299 all docs	299 docs citations	299 times ranked	16656 citing authors

#	Article	IF	Citations
1	Online shape and density measurement of single aerosol particles. Journal of Aerosol Science, 2022, 159, 105880.	1.8	4
2	Grazer-induced changes in molecular signatures of cyanobacteria. Algal Research, 2022, 61, 102575.	2.4	3
3	Biologically Induced Changes in the Partitioning of Submicron Particulates Between Bulk Seawater and the Sea Surface Microlayer. Geophysical Research Letters, 2022, 49, e2021GL094587.	1.5	3
4	The Sea Spray Chemistry and Particle Evolution study (SeaSCAPE): overview and experimental methods. Environmental Sciences: Processes and Impacts, 2022, 24, 290-315.	1.7	11
5	Marine gas-phase sulfur emissions during an induced phytoplankton bloom. Atmospheric Chemistry and Physics, 2022, 22, 1601-1613.	1.9	11
6	Transmission of SARS-CoV-2: still up in the air â€“ Authors' reply. Lancet, The, 2022, 399, 519-520.	6.3	7
7	Factors controlling the transfer of biogenic organic species from seawater to sea spray aerosol. Scientific Reports, 2022, 12, 3580.	1.6	6
8	Assessment of styreneâ€divinylbenzene polymer (PPL) solidâ€phase extraction and nonâ€targeted tandem mass spectrometry for the analysis of xenobiotics in seawater. Limnology and Oceanography: Methods, 2022, 20, 89-101.	1.0	6
9	Size-Dependent Morphology, Composition, Phase State, and Water Uptake of Nascent Submicrometer Sea Spray Aerosols during a Phytoplankton Bloom. ACS Earth and Space Chemistry, 2022, 6, 116-130.	1.2	12
10	Microplastics and nanoplastics in the marine-atmosphere environment. Nature Reviews Earth & Environment, 2022, 3, 393-405.	12.2	121
11	Discrimination between individual dust and bioparticles using aerosol time-of-flight mass spectrometry. Aerosol Science and Technology, 2022, 56, 592-608.	1.5	6
12	Isotopic Insights into Organic Composition Differences between Supermicron and Submicron Sea Spray Aerosol. Environmental Science & Technology, 2022, 56, 9947-9958.	4.6	4
13	Airborne Transmission of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2): What We Know. Clinical Infectious Diseases, 2021, 73, 1924-1926.	2.9	55
14	Importance of Supermicron Ice Nucleating Particles in Nascent Sea Spray. Geophysical Research Letters, 2021, 48, e2020GL089633.	1.5	29
15	Tandem Fluorescence Measurements of Organic Matter and Bacteria Released in Sea Spray Aerosols. Environmental Science & Technology, 2021, 55, 5171-5179.	4.6	18
16	School reopening without robust COVID-19 mitigation risks accelerating the pandemic. Lancet, The, 2021, 397, 1177-1178.	6.3	46
17	Constraining the atmospheric limb of the plastic cycle. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	232
18	A paradigm shift to combat indoor respiratory infection. Science, 2021, 372, 689-691.	6.0	192

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19	Non-targeted tandem mass spectrometry enables the visualization of organic matter chemotype shifts in coastal seawater. Chemosphere, 2021, 271, 129450.	4.2	33
20	Ten scientific reasons in support of airborne transmission of SARS-CoV-2. Lancet, The, 2021, 397, 1603-1605.	6.3	657
21	Cation-Driven Lipopolysaccharide Morphological Changes Impact Heterogeneous Reactions of Nitric Acid with Sea Spray Aerosol Particles. Journal of Physical Chemistry Letters, 2021, 12, 5023-5029.	2.1	6
22	Airborne transmission pathway for coastal water pollution. PeerJ, 2021, 9, e11358.	0.9	4
23	Cultivable halotolerant ice-nucleating bacteria and fungi in coastal precipitation. Atmospheric Chemistry and Physics, 2021, 21, 9031-9045.	1.9	6
24	Ion identity molecular networking for mass spectrometry-based metabolomics in the GNPS environment. Nature Communications, 2021, 12, 3832.	5.8	119
25	Airborne transmission of respiratory viruses. Science, 2021, 373, .	6.0	693
26	Continuous measurements of volatile gases as detection of algae crop health. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	12
27	Acidity across the interface from the ocean surface to sea spray aerosol. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	73
28	Evolution of Sea Spray Aerosol Particle Phase State Across a Phytoplankton Bloom. ACS Earth and Space Chemistry, 2021, 5, 2995-3007.	1.2	10
29	The World Health Network: a global citizens' initiative. Lancet, The, 2021, 398, 1567-1568.	6.3	3
30	SARS-CoV-2 indoor air transmission is a threat that can be addressed with science. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	14
31	Development of Heterogeneous Ice Nucleation Rate Coefficient Parameterizations From Ambient Measurements. Geophysical Research Letters, 2021, 48, e2021GL095359.	1.5	8
32	Atmospheric Benzothiazoles in a Coastal Marine Environment. Environmental Science & Technology, 2021, 55, 15705-15714.	4.6	9
33	Airborne transmission of SARS-CoV-2. Science, 2020, 370, 303-304.	6.0	215
34	CAICE Studies: Insights from a Decade of Oceanâ€“Atmosphere Experiments in the Laboratory. Accounts of Chemical Research, 2020, 53, 2510-2520.	7.6	10
35	A Chemical Perspective on Climate: Emerging Research into Atmospheric Chemistry Impacts on Earthâ€™s Radiative Balance. Accounts of Chemical Research, 2020, 53, 2496-2497.	7.6	0
36	Mario J. Molina (1943â€“2020). Science, 2020, 370, 1170-1170.	6.0	33

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37	Physicochemical Mixing State of Sea Spray Aerosols: Morphologies Exhibit Size Dependence. ACS Earth and Space Chemistry, 2020, 4, 1604-1611.	1.2	18
38	Ejection of Dust From the Ocean as a Potential Source of Marine Ice Nucleating Particles. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD033073.	1.2	17
39	Marine Bacteria Affect Saccharide Enrichment in Sea Spray Aerosol during a Phytoplankton Bloom. ACS Earth and Space Chemistry, 2020, 4, 1638-1649.	1.2	25
40	Biological Influence on Î´¹³C and Organic Composition of Nascent Sea Spray Aerosol. ACS Earth and Space Chemistry, 2020, 4, 1686-1699.	1.2	15
41	Secondary Marine Aerosol Plays a Dominant Role over Primary Sea Spray Aerosol in Cloud Formation. ACS Central Science, 2020, 6, 2259-2266.	5.3	40
42	Reducing transmission of SARS-CoV-2. Science, 2020, 368, 1422-1424.	6.0	675
43	Organic Enrichment, Physical Phase State, and Surface Tension Depression of Nascent Coreâ€“Shell Sea Spray Aerosols during Two Phytoplankton Blooms. ACS Earth and Space Chemistry, 2020, 4, 650-660.	1.2	29
44	Liquid Sampling-Atmospheric Pressure Glow Discharge Ionization as a Technique for the Characterization of Salt-Containing Organic Samples. Analytical Chemistry, 2020, 92, 8845-8851.	3.2	6
45	Best practices for precipitation sample storage for offline studies of ice nucleation in marine and coastal environments. Atmospheric Measurement Techniques, 2020, 13, 6473-6486.	1.2	16
46	The Old and the New: Aging of Sea Spray Aerosol and Formation of Secondary Marine Aerosol through OH Oxidation Reactions. ACS Earth and Space Chemistry, 2019, 3, 2307-2314.	1.2	24
47	Direct Online Mass Spectrometry Measurements of Ice Nucleating Particles at a California Coastal Site. Journal of Geophysical Research D: Atmospheres, 2019, 124, 12157-12172.	1.2	21
48	Characteristics of Ice Nucleating Particles in and Around California Winter Storms. Journal of Geophysical Research D: Atmospheres, 2019, 124, 11530-11551.	1.2	17
49	Contrasting local and long-range-transported warm ice-nucleating particles during an atmospheric river in coastal California, USA. Atmospheric Chemistry and Physics, 2019, 19, 4193-4210.	1.9	12
50	Shedding Light on Photosensitized Reactions within Marine-Relevant Organic Thin Films. ACS Earth and Space Chemistry, 2019, 3, 1614-1623.	1.2	21
51	Multistep Phase Transitions in Sea Surface Microlayer Droplets and Aerosol Mimics using Microfluidic Wells. ACS Earth and Space Chemistry, 2019, 3, 1260-1267.	1.2	17
52	Detection of Active Microbial Enzymes in Nascent Sea Spray Aerosol: Implications for Atmospheric Chemistry and Climate. Environmental Science and Technology Letters, 2019, 6, 171-177.	3.9	28
53	Ice nucleation by particles containing long-chain fatty acids of relevance to freezing by sea spray aerosols. Environmental Sciences: Processes and Impacts, 2018, 20, 1559-1569.	1.7	37
54	Sea Spray Aerosol: Where Marine Biology Meets Atmospheric Chemistry. ACS Central Science, 2018, 4, 1617-1623.	5.3	36

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55	Taxon-specific aerosolization of bacteria and viruses in an experimental ocean-atmosphere mesocosm. Nature Communications, 2018, 9, 2017.	5.8	103
56	A Mesocosm Double Feature: Insights into the Chemical Makeup of Marine Ice Nucleating Particles. Journals of the Atmospheric Sciences, 2018, 75, 2405-2423.	0.6	67
57	Impacts of Lipase Enzyme on the Surface Properties of Marine Aerosols. Journal of Physical Chemistry Letters, 2018, 9, 3839-3849.	2.1	19
58	The Cloud Nucleating Properties and Mixing State of Marine Aerosols Sampled along the Southern California Coast. Atmosphere, 2018, 9, 52.	1.0	14
59	Molecular Diversity of Sea Spray Aerosol Particles: Impact of Ocean Biology on Particle Composition and Hygroscopicity. CheM, 2017, 2, 655-667.	5.8	111
60	The role of jet and film drops in controlling the mixing state of submicron sea spray aerosol particles. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6978-6983.	3.3	147
61	Sea Spray Aerosol: The Chemical Link between the Oceans, Atmosphere, and Climate. Accounts of Chemical Research, 2017, 50, 599-604.	7.6	84
62	Effect of Structural Heterogeneity in Chemical Composition on Online Single-Particle Mass Spectrometry Analysis of Sea Spray Aerosol Particles. Environmental Science & Technology, 2017, 51, 3660-3668.	4.6	17
63	Laboratory Studies of the Cloud Droplet Activation Properties and Corresponding Chemistry of Saline Playa Dust. Environmental Science & Technology, 2017, 51, 1348-1356.	4.6	33
64	Expanding Single Particle Mass Spectrometer Analyses for the Identification of Microbe Signatures in Sea Spray Aerosol. Analytical Chemistry, 2017, 89, 10162-10170.	3.2	17
65	A Dynamic Link between Ice Nucleating Particles Released in Nascent Sea Spray Aerosol and Oceanic Biological Activity during Two Mesocosm Experiments. Journals of the Atmospheric Sciences, 2017, 74, 151-166.	0.6	93
66	Biological Impacts on Carbon Speciation and Morphology of Sea Spray Aerosol. ACS Earth and Space Chemistry, 2017, 1, 551-561.	1.2	36
67	Transport of pollution to a remote coastal site during gap flow from California's interior: impacts on aerosol composition, clouds, and radiative balance. Atmospheric Chemistry and Physics, 2017, 17, 1491-1509.	1.9	20
68	Automation and heat transfer characterization of immersion mode spectroscopy for analysis of ice nucleating particles. Atmospheric Measurement Techniques, 2017, 10, 2613-2626.	1.2	20
69	FATES: a flexible analysis toolkit for the exploration of single-particle mass spectrometer data. Atmospheric Measurement Techniques, 2017, 10, 1323-1334.	1.2	29
70	Improving our fundamental understanding of the role of aerosolâ^'cloud interactions in the climate system. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5781-5790.	3.3	479
71	Sea Spray Aerosol Structure and Composition Using Cryogenic Transmission Electron Microscopy. ACS Central Science, 2016, 2, 40-47.	5.3	74
72	Phytoplankton blooms weakly influence the cloud forming ability of sea spray aerosol. Geophysical Research Letters, 2016, 43, 9975-9983.	1.5	52

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73	Enrichment of Saccharides and Divalent Cations in Sea Spray Aerosol During Two Phytoplankton Blooms. Environmental Science & Technology, 2016, 50, 11511-11520.	4.6	90
74	The relationships between insoluble precipitation residues, clouds, and precipitation over Californiaâ€™s southern Sierra Nevada during winter storms. Atmospheric Environment, 2016, 140, 298-310.	1.9	13
75	Heterogeneous Chemistry of Lipopolysaccharides with Gas-Phase Nitric Acid: Reactive Sites and Reaction Pathways. Journal of Physical Chemistry A, 2016, 120, 6444-6450.	1.1	22
76	Linking variations in sea spray aerosol particle hygroscopicity to composition during two microcosm experiments. Atmospheric Chemistry and Physics, 2016, 16, 9003-9018.	1.9	31
77	Sea spray aerosol as a unique source of ice nucleating particles. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5797-5803.	3.3	323
78	Analysis of Organic Anionic Surfactants in Fine and Coarse Fractions of Freshly Emitted Sea Spray Aerosol. Environmental Science & Technology, 2016, 50, 2477-2486.	4.6	143
79	Tools for the Microbiome: Nano and Beyond. ACS Nano, 2016, 10, 6-37.	7.3	137
80	CalWater Field Studies Designed to Quantify the Roles of Atmospheric Rivers and Aerosols in Modulating U.S. West Coast Precipitation in a Changing Climate. Bulletin of the American Meteorological Society, 2016, 97, 1209-1228.	1.7	87
81	Impact of interannual variations in sources of insoluble aerosol species on orographic precipitation over California's central Sierra Nevada. Atmospheric Chemistry and Physics, 2015, 15, 6535-6548.	1.9	38
82	Cryo-Transmission Electron Microscopy of Sea Spray Aerosols. Microscopy and Microanalysis, 2015, 21, 633-634.	0.2	0
83	Characterization of coreâ€“shell MOF particles by depth profiling experiments using on-line single particle mass spectrometry. Analyst, The, 2015, 140, 1510-1515.	1.7	12
84	Advancing Model Systems for Fundamental Laboratory Studies of Sea Spray Aerosol Using the Microbial Loop. Journal of Physical Chemistry A, 2015, 119, 8860-8870.	1.1	62
85	A Tribute to Mario Molina. Journal of Physical Chemistry A, 2015, 119, 4277-4278.	1.1	2
86	Microbial Control of Sea Spray Aerosol Composition: A Tale of Two Blooms. ACS Central Science, 2015, 1, 124-131.	5.3	172
87	The Impact of Aerosol Particle Mixing State on the Hygroscopicity of Sea Spray Aerosol. ACS Central Science, 2015, 1, 132-141.	5.3	64
88	Response to Comment on â€œDevelopment of a High-Pressure Aerodynamic Lens for Focusing Large Particles (4â€“10ÂÎ¼m) into the Aerosol Time-of-Flight Mass Spectrometerâ€• Aerosol Science and Technology, 2015, 49, ii-ii.	1.5	0
89	The Impacts of Californiaâ€™s San Francisco Bay Area Gap on Precipitation Observed in the Sierra Nevada during HMT and CalWater. Journal of Hydrometeorology, 2015, 16, 1048-1069.	0.7	29
90	Direct Night-Time Ejection of Particle-Phase Reduced Biogenic Sulfur Compounds from the Ocean to the Atmosphere. Environmental Science & Technology, 2015, 49, 4861-4867.	4.6	8

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91	Comparison of the mixing state of long-range transported Asian and African mineral dust. Atmospheric Environment, 2015, 115, 19-25.	1.9	62
92	Chemistry and Related Properties of Freshly Emitted Sea Spray Aerosol. Chemical Reviews, 2015, 115, 4383-4399.	23.0	289
93	Online Analysis of Single Cyanobacteria and Algae Cells under Nitrogen-Limited Conditions Using Aerosol Time-of-Flight Mass Spectrometry. Analytical Chemistry, 2015, 87, 8039-8046.	3.2	24
94	Role of Organic Coatings in Regulating N₂O₅ Reactive Uptake to Sea Spray Aerosol. Journal of Physical Chemistry A, 2015, 119, 11683-11692.	1.1	34
95	Direct aerosol chemical composition measurements to evaluate the physicochemical differences between controlled sea spray aerosol generation schemes. Atmospheric Measurement Techniques, 2014, 7, 3667-3683.	1.2	95
96	Impacts of Aerosol Aging on Laser Desorption/Ionization in Single-Particle Mass Spectrometers. Aerosol Science and Technology, 2014, 48, 1050-1058.	1.5	24
97	Polluting of winter convective clouds upon transition from ocean inland over central California: Contrasting case studies. Atmospheric Research, 2014, 135-136, 112-127.	1.8	16
98	Development of a High-Pressure Aerodynamic Lens for Focusing Large Particles (4â€“10ÂÎ¼m) into the Aerosol Time-of-Flight Mass Spectrometer. Aerosol Science and Technology, 2014, 48, 948-956.	1.5	11
99	Heterogeneous Reactivity of Nitric Acid with Nascent Sea Spray Aerosol: Large Differences Observed between and within Individual Particles. Journal of Physical Chemistry Letters, 2014, 5, 2493-2500.	2.1	66
100	On the Role of Particle Inorganic Mixing State in the Reactive Uptake of N₂O₅ to Ambient Aerosol Particles. Environmental Science & Technology, 2014, 48, 1618-1627.	4.6	58
101	Do Cloud Properties in a Puerto Rican Tropical Montane Cloud Forest Depend on Occurrence of Long-Range Transported African Dust?. Pure and Applied Geophysics, 2014, 171, 2443-2459.	0.8	13
102	Transition Metal Associations with Primary Biological Particles in Sea Spray Aerosol Generated in a Wave Channel. Environmental Science & Technology, 2014, 48, 1324-1333.	4.6	58
103	Chemical properties of insoluble precipitation residue particles. Journal of Aerosol Science, 2014, 76, 13-27.	1.8	31
104	Corrigendum to Aerosol impacts on California winter clouds and precipitation during CalWater 2011: local pollution versus long-range transported dust published in Atmos. Chem. Phys., 14, 81â€“101, 2014. Atmospheric Chemistry and Physics, 2014, 14, 3063-3064.	1.9	4
105	Aerosol impacts on California winter clouds and precipitation during CalWater 2011: local pollution versus long-range transported dust. Atmospheric Chemistry and Physics, 2014, 14, 81-101.	1.9	101
106	Dust and Biological Aerosols from the Sahara and Asia Influence Precipitation in the Western U.S.. Science, 2013, 339, 1572-1578.	6.0	482
107	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
108	Shipboard measurements of gaseous elemental mercury along the coast of Central and Southern California. Journal of Geophysical Research D: Atmospheres, 2013, 118, 208-219.	1.2	15

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109	Tandem Postsynthetic Metal Ion and Ligand Exchange in Zeolitic Imidazolate Frameworks. Inorganic Chemistry, 2013, 52, 4011-4016.	1.9	209
110	Size-Dependent Changes in Sea Spray Aerosol Composition and Properties with Different Seawater Conditions. Environmental Science & Technology, 2013, 47, 5603-5612.	4.6	175
111	Raman microspectroscopy and vibrational sum frequency generation spectroscopy as probes of the bulk and surface compositions of size-resolved sea spray aerosol particles. Physical Chemistry Chemical Physics, 2013, 15, 6206.	1.3	103
112	Air Quality Impact and Physicochemical Aging of Biomass Burning Aerosols during the 2007 San Diego Wildfires. Environmental Science & Technology, 2013, 47, 7633-7643.	4.6	96
113	Size-Resolved Sea Spray Aerosol Particles Studied by Vibrational Sum Frequency Generation. Journal of Physical Chemistry A, 2013, 117, 6589-6601.	1.1	50
114	Inside versus Outside: Ion Redistribution in Nitric Acid Reacted Sea Spray Aerosol Particles as Determined by Single Particle Analysis. Journal of the American Chemical Society, 2013, 135, 14528-14531.	6.6	89
115	Evaluating the properties of sea spray aerosols produced in the laboratory: Comparisons with controlled breaking waves. , 2013, , .		0
116	Laboratory measurements of ice nuclei concentrations from ocean water spray. , 2013, , .		2
117	Improvements to an Empirical Parameterization of Heterogeneous Ice Nucleation and Its Comparison with Observations. Journals of the Atmospheric Sciences, 2013, 70, 378-409.	0.6	127
118	Evaluation of aerosol mixing state classes in the GISS modelEâ€MATRIX climate model using singleâ€particle mass spectrometry measurements. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9834-9844.	1.2	42
119	Impact of marine biogeochemistry on the chemical mixing state and cloud forming ability of nascent sea spray aerosol. Journal of Geophysical Research D: Atmospheres, 2013, 118, 8553-8565.	1.2	84
120	Bringing the ocean into the laboratory to probe the chemical complexity of sea spray aerosol. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 7550-7555.	3.3	439
121	Relating aerosol absorption due to soot, organic carbon, and dust to emission sources determined from in-situ chemical measurements. Atmospheric Chemistry and Physics, 2013, 13, 9337-9350.	1.9	136
122	The common occurrence of highly supercooled drizzle and rain near the coastal regions of the western United States. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9819-9833.	1.2	30
123	Composition and hygroscopicity of the Los Angeles Aerosol: CalNex. Journal of Geophysical Research D: Atmospheres, 2013, 118, 3016-3036.	1.2	79
124	The impact of shipping, agricultural, and urban emissions on single particle chemistry observed aboard the R/V Atlantis during CalNex. Journal of Geophysical Research D: Atmospheres, 2013, 118, 5003-5017.	1.2	33
125	A Marine Aerosol Reference Tank system as a breaking wave analogue for the production of foam and sea-spray aerosols. Atmospheric Measurement Techniques, 2013, 6, 1085-1094.	1.2	129
126	Ice in Clouds Experimentâ€“Layer Clouds. Part II: Testing Characteristics of Heterogeneous Ice Formation in Lee Wave Clouds. Journals of the Atmospheric Sciences, 2012, 69, 1066-1079.	0.6	61

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127	The mixing state of carbonaceous aerosol particles in northern and southern California measured during CARES and CalNex 2010. Atmospheric Chemistry and Physics, 2012, 12, 10989-11002.	1.9	57
128	Direct N₂O₅ reactivity measurements at a polluted coastal site. Atmospheric Chemistry and Physics, 2012, 12, 2959-2968.	1.9	64
129	Overview of the 2010 Carbonaceous Aerosols and Radiative Effects Study (CARES). Atmospheric Chemistry and Physics, 2012, 12, 7647-7687.	1.9	94
130	Seasonal comparisons of single-particle chemical mixing state in Riverside, CA. Atmospheric Environment, 2012, 59, 587-596.	1.9	71
131	Postsynthetic Ligand and Cation Exchange in Robust Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2012, 134, 18082-18088.	6.6	702
132	Importance of composition and hygroscopicity of BC particles to the effect of BC mitigation on cloud properties: Application to California conditions. Journal of Geophysical Research, 2012, 117, .	3.3	8
133	Postsynthetic ligand exchange as a route to functionalization of â€˜inertâ€™ metalâ€“organic frameworks. Chemical Science, 2012, 3, 126-130.	3.7	403
134	Mass spectrometry of atmospheric aerosolsâ€”Recent developments and applications. Part I: Offâ€line mass spectrometry techniques. Mass Spectrometry Reviews, 2012, 31, 1-16.	2.8	90
135	Mass spectrometry of atmospheric aerosolsâ€”Recent developments and applications. Part II: Onâ€line mass spectrometry techniques. Mass Spectrometry Reviews, 2012, 31, 17-48.	2.8	204
136	Measurements of Aerosol Chemistry during New Particle Formation Events at a Remote Rural Mountain Site. Environmental Science & Technology, 2011, 45, 8208-8216.	4.6	60
137	Measurements of Isoprene-Derived Organosulfates in Ambient Aerosols by Aerosol Time-of-Flight Mass Spectrometry - Part 1: Single Particle Atmospheric Observations in Atlanta. Environmental Science & Technology, 2011, 45, 5105-5111.	4.6	121
138	Measurements of Isoprene-Derived Organosulfates in Ambient Aerosols by Aerosol Time-of-Flight Mass Spectrometryâ€”Part 2: Temporal Variability and Formation Mechanisms. Environmental Science & Technology, 2011, 45, 8648-8655.	4.6	79
139	Approach for Measuring the Chemistry of Individual Particles in the Size Range Critical for Cloud Formation. Analytical Chemistry, 2011, 83, 2271-2278.	3.2	16
140	Unique ocean-derived particles serve as a proxy for changes in ocean chemistry. Journal of Geophysical Research, 2011, 116, .	3.3	62
141	Detection of Asian dust in California orographic precipitation. Journal of Geophysical Research, 2011, 116, .	3.3	94
142	Exploring geophysical processes influencing U.S. West Coast precipitation and water supply. Eos, 2011, 92, 352-352.	0.1	0
143	Postsynthetic modification at orthogonal reactive sites on mixed, bifunctional metalâ€“organic frameworks. Chemical Communications, 2011, 47, 7629.	2.2	71
144	Detection and phylogenetic analysis of coastal bioaerosols using culture dependent and independent techniques. Biogeosciences, 2011, 8, 301-309.	1.3	60

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145	Flight-based chemical characterization of biomass burning aerosols within two prescribed burn smoke plumes. Atmospheric Chemistry and Physics, 2011, 11, 12549-12565.	1.9	154
146	Effect of organic compounds on cloud condensation nuclei (CCN) activity of sea spray aerosol produced by bubble bursting. Atmospheric Environment, 2011, 45, 7462-7469.	1.9	50
147	Impact of Particle Generation Method on the Apparent Hygroscopicity of Insoluble Mineral Particles. Aerosol Science and Technology, 2010, 44, 830-846.	1.5	44
148	In Situ Chemical Characterization of Aged Biomass-Burning Aerosols Impacting Cold Wave Clouds. Journals of the Atmospheric Sciences, 2010, 67, 2451-2468.	0.6	48
149	Ice Initiation by Aerosol Particles: Measured and Predicted Ice Nuclei Concentrations versus Measured Ice Crystal Concentrations in an Orographic Wave Cloud. Journals of the Atmospheric Sciences, 2010, 67, 2417-2436.	0.6	96
150	Relationships of Biomass-Burning Aerosols to Ice in Orographic Wave Clouds. Journals of the Atmospheric Sciences, 2010, 67, 2437-2450.	0.6	54
151	Composition and Morphology of Individual Combustion, Biomass Burning, and Secondary Organic Particle Types Obtained Using Urban and Coastal ATOFMS and STXM-NEXAFS Measurements. Aerosol Science and Technology, 2010, 44, 551-562.	1.5	26
152	Aircraft measurements of vertical profiles of aerosol mixing states. Journal of Geophysical Research, 2010, 115, .	3.3	96
153	Observation of playa salts as nuclei in orographic wave clouds. Journal of Geophysical Research, 2010, 115, .	3.3	55
154	Real-Time Detection and Mixing State of Methanesulfonate in Single Particles at an Inland Urban Location during a Phytoplankton Bloom. Environmental Science & Technology, 2010, 44, 1566-1572.	4.6	83
155	Characterization of the Single Particle Mixing State of Individual Ship Plume Events Measured at the Port of Los Angeles. Environmental Science & Technology, 2010, 44, 1954-1961.	4.6	131
156	Sources and properties of Amazonian aerosol particles. Reviews of Geophysics, 2010, 48, .	9.0	283
157	Real-Time, Single-Particle Volatility, Size, and Chemical Composition Measurements of Aged Urban Aerosols. Environmental Science & Technology, 2009, 43, 8276-8282.	4.6	83
158	In-situ measurements of the mixing state and optical properties of soot with implications for radiative forcing estimates. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 11872-11877.	3.3	391
159	Our Current Understanding of the Impact of Aerosols on Climate Change. ChemSusChem, 2009, 2, 377-379.	3.6	10
160	In situ detection of biological particles in cloud ice-crystals. Nature Geoscience, 2009, 2, 398-401.	5.4	406
161	Seasonal Volatility Dependence of Ambient Particle Phase Amines. Environmental Science & Technology, 2009, 43, 5276-5281.	4.6	127
162	Development and Characterization of an Aircraft Aerosol Time-of-Flight Mass Spectrometer. Analytical Chemistry, 2009, 81, 1792-1800.	3.2	102

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163	Impact of Emissions from the Los Angeles Port Region on San Diego Air Quality during Regional Transport Events. Environmental Science & Technology, 2009, 43, 3500-3506.	4.6	136
164	Timescale for hygroscopic conversion of calcite mineral particles through heterogeneous reaction with nitric acid. Physical Chemistry Chemical Physics, 2009, 11, 7826.	1.3	82
165	Effect of chemical mixing state on the hygroscopicity and cloud nucleation properties of calcium mineral dust particles. Atmospheric Chemistry and Physics, 2009, 9, 3303-3316.	1.9	268
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