

Kim Prather

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

271
papers

20,142
citations

78
h-index

134
g-index

299
ext. papers

23,212
ext. citations

9.1
avg. IF

7.07
L-index

#	Paper	IF	Citations
271	The Sea Spray Chemistry and Particle Evolution study (SeaSCAPE): overview and experimental methods.. <i>Environmental Sciences: Processes and Impacts</i> , 2022 ,	4.3	2
270	Marine gas-phase sulfur emissions during an induced phytoplankton bloom. <i>Atmospheric Chemistry and Physics</i> , 2022 , 22, 1601-1613	6.8	2
269	Transmission of SARS-CoV-2: still up in the air - Authors' reply.. <i>Lancet, The</i> , 2022 , 399, 519-520	4.0	1
268	Grazer-induced changes in molecular signatures of cyanobacteria. <i>Algal Research</i> , 2022 , 61, 102575	5	1
267	Biologically Induced Changes in the Partitioning of Submicron Particulates Between Bulk Seawater and the Sea Surface Microlayer. <i>Geophysical Research Letters</i> , 2022 , 49, e2021GL094587	4.9	0
266	Online shape and density measurement of single aerosol particles. <i>Journal of Aerosol Science</i> , 2022 , 159, 105880	4.3	0
265	Factors controlling the transfer of biogenic organic species from seawater to sea spray aerosol.. <i>Scientific Reports</i> , 2022 , 12, 3580	4.9	2
264	Assessment of styrene-divinylbenzene polymer (PPL) solid-phase extraction and non-targeted tandem mass spectrometry for the analysis of xenobiotics in seawater. <i>Limnology and Oceanography: Methods</i> , 2022 , 20, 89-101	2.6	1
263	Size-Dependent Morphology, Composition, Phase State, and Water Uptake of Nascent Submicrometer Sea Spray Aerosols during a Phytoplankton Bloom. <i>ACS Earth and Space Chemistry</i> , 2022 , 6, 116-130	3.2	2
262	SARS-CoV-2 indoor air transmission is a threat that can be addressed with science. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	3
261	Development of Heterogeneous Ice Nucleation Rate Coefficient Parameterizations From Ambient Measurements. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL095359	4.9	3
260	Atmospheric Benzothiazoles in a Coastal Marine Environment. <i>Environmental Science & Technology</i> , 2021 , 55, 15705-15714	10.3	1
259	The World Health Network: a global citizens' initiative. <i>Lancet, The</i> , 2021 , 398, 1567-1568	4.0	0
258	Acidity across the interface from the ocean surface to sea spray aerosol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	21
257	School reopening without robust COVID-19 mitigation risks accelerating the pandemic. <i>Lancet, The</i> , 2021 , 397, 1177-1178	4.0	23
256	Constraining the atmospheric limb of the plastic cycle. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	62
255	A paradigm shift to combat indoor respiratory infection. <i>Science</i> , 2021 , 372, 689-691	33.3	73

254	Non-targeted tandem mass spectrometry enables the visualization of organic matter chemotype shifts in coastal seawater. <i>Chemosphere</i> , 2021 , 271, 129450	8.4	14
253	Ten scientific reasons in support of airborne transmission of SARS-CoV-2. <i>Lancet, The</i> , 2021 , 397, 1603-1605	16.5	294
252	Cation-Driven Lipopolysaccharide Morphological Changes Impact Heterogeneous Reactions of Nitric Acid with Sea Spray Aerosol Particles. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 5023-5029	6.4	1
251	Airborne transmission pathway for coastal water pollution. <i>PeerJ</i> , 2021 , 9, e11358	3.1	3
250	Cultivable halotolerant ice-nucleating bacteria and fungi in coastal precipitation. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 9031-9045	6.8	2
249	Ion identity molecular networking for mass spectrometry-based metabolomics in the GNPS environment. <i>Nature Communications</i> , 2021 , 12, 3832	17.4	22
248	Airborne Transmission of Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2): What We Know. <i>Clinical Infectious Diseases</i> , 2021 , 73, 1924-1926	11.6	27
247	Importance of Supermicron Ice Nucleating Particles in Nascent Sea Spray. <i>Geophysical Research Letters</i> , 2021 , 48, e2020GL089633	4.9	12
246	Tandem Fluorescence Measurements of Organic Matter and Bacteria Released in Sea Spray Aerosols. <i>Environmental Science & Technology</i> , 2021 , 55, 5171-5179	10.3	6
245	Airborne transmission of respiratory viruses. <i>Science</i> , 2021 , 373,	33.3	160
244	Continuous measurements of volatile gases as detection of algae crop health. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
243	Secondary Marine Aerosol Plays a Dominant Role over Primary Sea Spray Aerosol in Cloud Formation. <i>ACS Central Science</i> , 2020 , 6, 2259-2266	16.8	16
242	Reducing transmission of SARS-CoV-2. <i>Science</i> , 2020 , 368, 1422-1424	33.3	441
241	Organic Enrichment, Physical Phase State, and Surface Tension Depression of Nascent Core-Shell Sea Spray Aerosols during Two Phytoplankton Blooms. <i>ACS Earth and Space Chemistry</i> , 2020 , 4, 650-660	3.2	13
240	Best practices for precipitation sample storage for offline studies of ice nucleation in marine and coastal environments. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 6473-6486	4	7
239	Liquid Sampling-Atmospheric Pressure Glow Discharge Ionization as a Technique for the Characterization of Salt-Containing Organic Samples. <i>Analytical Chemistry</i> , 2020 , 92, 8845-8851	7.8	4
238	Airborne transmission of SARS-CoV-2. <i>Science</i> , 2020 , 370, 303-304	33.3	113
237	CAICE Studies: Insights from a Decade of Ocean-Atmosphere Experiments in the Laboratory. <i>Accounts of Chemical Research</i> , 2020 , 53, 2510-2520	24.3	2

236	Mario J. Molina (1943-2020). <i>Science</i> , 2020 , 370, 1170-1170	33.3	19
235	Physicochemical Mixing State of Sea Spray Aerosols: Morphologies Exhibit Size Dependence. <i>ACS Earth and Space Chemistry</i> , 2020 , 4, 1604-1611	3.2	6
234	Ejection of Dust From the Ocean as a Potential Source of Marine Ice Nucleating Particles. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2020JD033073	4.4	7
233	Marine Bacteria Affect Saccharide Enrichment in Sea Spray Aerosol during a Phytoplankton Bloom. <i>ACS Earth and Space Chemistry</i> , 2020 , 4, 1638-1649	3.2	7
232	Biological Influence on $\delta^{13}C$ and Organic Composition of Nascent Sea Spray Aerosol. <i>ACS Earth and Space Chemistry</i> , 2020 , 4, 1686-1699	3.2	8
231	Characteristics of Ice Nucleating Particles in and Around California Winter Storms. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 11530-11551	4.4	11
230	Contrasting local and long-range-transported warm ice-nucleating particles during an atmospheric river in coastal California, USA. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 4193-4210	6.8	8
229	Shedding Light on Photosensitized Reactions within Marine-Relevant Organic Thin Films. <i>ACS Earth and Space Chemistry</i> , 2019 , 3, 1614-1623	3.2	13
228	Multistep Phase Transitions in Sea Surface Microlayer Droplets and Aerosol Mimics using Microfluidic Wells. <i>ACS Earth and Space Chemistry</i> , 2019 , 3, 1260-1267	3.2	10
227	Detection of Active Microbial Enzymes in Nascent Sea Spray Aerosol: Implications for Atmospheric Chemistry and Climate. <i>Environmental Science and Technology Letters</i> , 2019 , 6, 171-177	11	19
226	The Old and the New: Aging of Sea Spray Aerosol and Formation of Secondary Marine Aerosol through OH Oxidation Reactions. <i>ACS Earth and Space Chemistry</i> , 2019 , 3, 2307-2314	3.2	11
225	Direct Online Mass Spectrometry Measurements of Ice Nucleating Particles at a California Coastal Site. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 12157-12172	4.4	10
224	Impacts of Lipase Enzyme on the Surface Properties of Marine Aerosols. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 3839-3849	6.4	15
223	The Cloud Nucleating Properties and Mixing State of Marine Aerosols Sampled along the Southern California Coast. <i>Atmosphere</i> , 2018 , 9, 52	2.7	11
222	Ice nucleation by particles containing long-chain fatty acids of relevance to freezing by sea spray aerosols. <i>Environmental Sciences: Processes and Impacts</i> , 2018 , 20, 1559-1569	4.3	30
221	Sea Spray Aerosol: Where Marine Biology Meets Atmospheric Chemistry. <i>ACS Central Science</i> , 2018 , 4, 1617-1623	16.8	21
220	Contrasting Local and Long-Range Transported Warm Ice-Nucleating Particles During an Atmospheric River in Coastal California, USA 2018 ,		1
219	Taxon-specific aerosolization of bacteria and viruses in an experimental ocean-atmosphere mesocosm. <i>Nature Communications</i> , 2018 , 9, 2017	17.4	61

218	A Mesocosm Double Feature: Insights into the Chemical Makeup of Marine Ice Nucleating Particles. <i>Journals of the Atmospheric Sciences</i> , 2018 , 75, 2405-2423	2.1	46
217	Molecular Diversity of Sea Spray Aerosol Particles: Impact of Ocean Biology on Particle Composition and Hygroscopicity. <i>CheM</i> , 2017 , 2, 655-667	16.2	85
216	The role of jet and film drops in controlling the mixing state of submicron sea spray aerosol particles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 6978-6983 ⁹⁶	11.5	96
215	Sea Spray Aerosol: The Chemical Link between the Oceans, Atmosphere, and Climate. <i>Accounts of Chemical Research</i> , 2017 , 50, 599-604	24.3	60
214	Effect of Structural Heterogeneity in Chemical Composition on Online Single-Particle Mass Spectrometry Analysis of Sea Spray Aerosol Particles. <i>Environmental Science & Technology</i> , 2017 , 51, 3660-3668	10.3	15
213	Laboratory Studies of the Cloud Droplet Activation Properties and Corresponding Chemistry of Saline Playa Dust. <i>Environmental Science & Technology</i> , 2017 , 51, 1348-1356	10.3	26
212	FATES: a flexible analysis toolkit for the exploration of single-particle mass spectrometer data. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 1323-1334	4	18
211	Expanding Single Particle Mass Spectrometer Analyses for the Identification of Microbe Signatures in Sea Spray Aerosol. <i>Analytical Chemistry</i> , 2017 , 89, 10162-10170	7.8	12
210	A Dynamic Link between Ice Nucleating Particles Released in Nascent Sea Spray Aerosol and Oceanic Biological Activity during Two Mesocosm Experiments. <i>Journals of the Atmospheric Sciences</i> , 2017 , 74, 151-166	2.1	68
209	Biological Impacts on Carbon Speciation and Morphology of Sea Spray Aerosol. <i>ACS Earth and Space Chemistry</i> , 2017 , 1, 551-561	3.2	23
208	Transport of pollution to a remote coastal site during gap flow from California's interior: impacts on aerosol composition, clouds, and radiative balance. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 1491-1509 ¹⁶	6.8	16
207	Automation and heat transfer characterization of immersion mode spectroscopy for analysis of ice nucleating particles. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 2613-2626	4	14
206	Linking variations in sea spray aerosol particle hygroscopicity to composition during two microcosm experiments. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 9003-9018	6.8	23
205	Sea spray aerosol as a unique source of ice nucleating particles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 5797-803	11.5	255
204	Analysis of Organic Anionic Surfactants in Fine and Coarse Fractions of Freshly Emitted Sea Spray Aerosol. <i>Environmental Science & Technology</i> , 2016 , 50, 2477-86	10.3	108
203	Tools for the Microbiome: Nano and Beyond. <i>ACS Nano</i> , 2016 , 10, 6-37	16.7	99
202	CalWater Field Studies Designed to Quantify the Roles of Atmospheric Rivers and Aerosols in Modulating U.S. West Coast Precipitation in a Changing Climate. <i>Bulletin of the American Meteorological Society</i> , 2016 , 97, 1209-1228	6.1	77
201	Improving our fundamental understanding of the role of aerosol-cloud interactions in the climate system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 5781-90 ¹¹⁵	11.5	314

200	Sea Spray Aerosol Structure and Composition Using Cryogenic Transmission Electron Microscopy. <i>ACS Central Science</i> , 2016 , 2, 40-47	16.8	55
199	Phytoplankton blooms weakly influence the cloud forming ability of sea spray aerosol. <i>Geophysical Research Letters</i> , 2016 , 43, 9975-9983	4.9	40
198	Enrichment of Saccharides and Divalent Cations in Sea Spray Aerosol During Two Phytoplankton Blooms. <i>Environmental Science & Technology</i> , 2016 , 50, 11511-11520	10.3	68
197	The relationships between insoluble precipitation residues, clouds, and precipitation over California's southern Sierra Nevada during winter storms. <i>Atmospheric Environment</i> , 2016 , 140, 298-310	5.3	12
196	Heterogeneous Chemistry of Lipopolysaccharides with Gas-Phase Nitric Acid: Reactive Sites and Reaction Pathways. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 6444-50	2.8	14
195	Advancing Model Systems for Fundamental Laboratory Studies of Sea Spray Aerosol Using the Microbial Loop. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 8860-70	2.8	48
194	A tribute to Mario Molina. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 4277-8	2.8	1
193	Microbial Control of Sea Spray Aerosol Composition: A Tale of Two Blooms. <i>ACS Central Science</i> , 2015 , 1, 124-31	16.8	132
192	The Impact of Aerosol Particle Mixing State on the Hygroscopicity of Sea Spray Aerosol. <i>ACS Central Science</i> , 2015 , 1, 132-41	16.8	37
191	The Impacts of California's San Francisco Bay Area Gap on Precipitation Observed in the Sierra Nevada during HMT and CalWater. <i>Journal of Hydrometeorology</i> , 2015 , 16, 1048-1069	3.7	27
190	Direct night-time ejection of particle-phase reduced biogenic sulfur compounds from the ocean to the atmosphere. <i>Environmental Science & Technology</i> , 2015 , 49, 4861-7	10.3	7
189	Comparison of the mixing state of long-range transported Asian and African mineral dust. <i>Atmospheric Environment</i> , 2015 , 115, 19-25	5.3	39
188	Chemistry and related properties of freshly emitted sea spray aerosol. <i>Chemical Reviews</i> , 2015 , 115, 4388-4409	16.9	220
187	Online analysis of single cyanobacteria and algae cells under nitrogen-limited conditions using aerosol time-of-flight mass spectrometry. <i>Analytical Chemistry</i> , 2015 , 87, 8039-46	7.8	18
186	Role of Organic Coatings in Regulating N ₂ O ₅ Reactive Uptake to Sea Spray Aerosol. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 11683-92	2.8	27
185	Impact of interannual variations in sources of insoluble aerosol species on orographic precipitation over California's central Sierra Nevada. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 6535-6548	6.8	31
184	Cryo-Transmission Electron Microscopy of Sea Spray Aerosols. <i>Microscopy and Microanalysis</i> , 2015 , 21, 633-634	0.5	
183	Characterization of core-shell MOF particles by depth profiling experiments using on-line single particle mass spectrometry. <i>Analyst, The</i> , 2015 , 140, 1510-5	5	11

182	Development of a High-Pressure Aerodynamic Lens for Focusing Large Particles (400 nm) into the Aerosol Time-of-Flight Mass Spectrometer. <i>Aerosol Science and Technology</i> , 2014 , 48, 948-956	3.4	7
181	Heterogeneous Reactivity of Nitric Acid with Nascent Sea Spray Aerosol: Large Differences Observed between and within Individual Particles. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 2493-5004	6.4	55
180	On the role of particle inorganic mixing state in the reactive uptake of N ₂ O ₅ to ambient aerosol particles. <i>Environmental Science & Technology</i> , 2014 , 48, 1618-27	10.3	53
179	Do Cloud Properties in a Puerto Rican Tropical Montane Cloud Forest Depend on Occurrence of Long-Range Transported African Dust?. <i>Pure and Applied Geophysics</i> , 2014 , 171, 2443-2459	2.2	7
178	Transition metal associations with primary biological particles in sea spray aerosol generated in a wave channel. <i>Environmental Science & Technology</i> , 2014 , 48, 1324-33	10.3	48
177	Chemical properties of insoluble precipitation residue particles. <i>Journal of Aerosol Science</i> , 2014 , 76, 13-27	4.3	28
176	Corrigendum to Aerosol impacts on California winter clouds and precipitation during CalWater 2011: local pollution versus long-range transported dust published in <i>Atmos. Chem. Phys.</i> , 14, 81101, 2014. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 3063-3064	6.8	3
175	Aerosol impacts on California winter clouds and precipitation during CalWater 2011: local pollution versus long-range transported dust. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 81-101	6.8	77
174	Direct aerosol chemical composition measurements to evaluate the physicochemical differences between controlled sea spray aerosol generation schemes 2014 ,		3
173	Direct aerosol chemical composition measurements to evaluate the physicochemical differences between controlled sea spray aerosol generation schemes. <i>Atmospheric Measurement Techniques</i> , 2014 , 7, 3667-3683	4	70
172	Impacts of Aerosol Aging on Laser Desorption/Ionization in Single-Particle Mass Spectrometers. <i>Aerosol Science and Technology</i> , 2014 , 48, 1050-1058	3.4	17
171	Polluting of winter convective clouds upon transition from ocean inland over central California: Contrasting case studies. <i>Atmospheric Research</i> , 2014 , 135-136, 112-127	5.4	16
170	Dust and biological aerosols from the Sahara and Asia influence precipitation in the western U.S. <i>Science</i> , 2013 , 339, 1572-8	33.3	393
169	The 2010 California Research at the Nexus of Air Quality and Climate Change (CalNex) field study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 5830-5866	4.4	178
168	Shipboard measurements of gaseous elemental mercury along the coast of Central and Southern California. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 208-219	4.4	13
167	Tandem postsynthetic metal ion and ligand exchange in zeolitic imidazolate frameworks. <i>Inorganic Chemistry</i> , 2013 , 52, 4011-6	5.1	184
166	Size-dependent changes in sea spray aerosol composition and properties with different seawater conditions. <i>Environmental Science & Technology</i> , 2013 , 47, 5603-12	10.3	139
165	Raman microspectroscopy and vibrational sum frequency generation spectroscopy as probes of the bulk and surface compositions of size-resolved sea spray aerosol particles. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 6206-14	3.6	79

164	Air quality impact and physicochemical aging of biomass burning aerosols during the 2007 San Diego wildfires. <i>Environmental Science & Technology</i> , 2013 , 47, 7633-43	10.3	74
163	Size-resolved sea spray aerosol particles studied by vibrational sum frequency generation. <i>Journal of Physical Chemistry A</i> , 2013 , 117, 6589-601	2.8	38
162	Inside versus outside: ion redistribution in nitric acid reacted sea spray aerosol particles as determined by single particle analysis. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14528-31	16.4	80
161	Laboratory measurements of ice nuclei concentrations from ocean water spray 2013 ,		1
160	Improvements to an Empirical Parameterization of Heterogeneous Ice Nucleation and Its Comparison with Observations. <i>Journals of the Atmospheric Sciences</i> , 2013 , 70, 378-409	2.1	106
159	Evaluation of aerosol mixing state classes in the GISS modelE-MATRIX climate model using single-particle mass spectrometry measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 9834-9844	4.4	34
158	Impact of marine biogeochemistry on the chemical mixing state and cloud forming ability of nascent sea spray aerosol. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 8553-8565	4.4	76
157	Bringing the ocean into the laboratory to probe the chemical complexity of sea spray aerosol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 7550-5	11.5	345
156	Relating aerosol absorption due to soot, organic carbon, and dust to emission sources determined from in-situ chemical measurements. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 9337-9350	6.8	91
155	The common occurrence of highly supercooled drizzle and rain near the coastal regions of the western United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 9819-9833	4.4	26
154	Composition and hygroscopicity of the Los Angeles Aerosol: CalNex. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 3016-3036	4.4	78
153	The impact of shipping, agricultural, and urban emissions on single particle chemistry observed aboard the R/V Atlantis during CalNex. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 5003-5017	4.4	29
152	A Marine Aerosol Reference Tank system as a breaking wave analogue for the production of foam and sea-spray aerosols. <i>Atmospheric Measurement Techniques</i> , 2013 , 6, 1085-1094	4	77
151	Mass spectrometry of atmospheric aerosols--recent developments and applications. Part I: Off-line mass spectrometry techniques. <i>Mass Spectrometry Reviews</i> , 2012 , 31, 1-16	11	75
150	Mass spectrometry of atmospheric aerosols--recent developments and applications. Part II: On-line mass spectrometry techniques. <i>Mass Spectrometry Reviews</i> , 2012 , 31, 17-48	11	149
149	Seasonal comparisons of single-particle chemical mixing state in Riverside, CA. <i>Atmospheric Environment</i> , 2012 , 59, 587-596	5.3	58
148	Postsynthetic ligand and cation exchange in robust metal-organic frameworks. <i>Journal of the American Chemical Society</i> , 2012 , 134, 18082-8	16.4	606
147	Importance of composition and hygroscopicity of BC particles to the effect of BC mitigation on cloud properties: Application to California conditions. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		7

146	Postsynthetic ligand exchange as a route to functionalization of inert metal-organic frameworks. <i>Chemical Science</i> , 2012 , 3, 126-130	9.4	357
145	Ice in Clouds Experiment Layer Clouds. Part II: Testing Characteristics of Heterogeneous Ice Formation in Lee Wave Clouds. <i>Journals of the Atmospheric Sciences</i> , 2012 , 69, 1066-1079	2.1	48
144	The mixing state of carbonaceous aerosol particles in northern and southern California measured during CARES and CalNex 2010. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 10989-11002	6.8	51
143	Direct N₂O₅ reactivity measurements at a polluted coastal site. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 2959-2968	6.8	56
142	Overview of the 2010 Carbonaceous Aerosols and Radiative Effects Study (CARES). <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 7647-7687	6.8	79
141	Unique ocean-derived particles serve as a proxy for changes in ocean chemistry. <i>Journal of Geophysical Research</i> , 2011 , 116,		54
140	Detection of Asian dust in California orographic precipitation. <i>Journal of Geophysical Research</i> , 2011 , 116,		81
139	Exploring geophysical processes influencing U.S. West Coast precipitation and water supply. <i>Eos</i> , 2011 , 92, 352-352	1.5	
138	Postsynthetic modification at orthogonal reactive sites on mixed, bifunctional metal-organic frameworks. <i>Chemical Communications</i> , 2011 , 47, 7629-31	5.8	67
137	Detection and phylogenetic analysis of coastal bioaerosols using culture dependent and independent techniques. <i>Biogeosciences</i> , 2011 , 8, 301-309	4.6	51
136	Flight-based chemical characterization of biomass burning aerosols within two prescribed burn smoke plumes. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 12549-12565	6.8	120
135	Effect of organic compounds on cloud condensation nuclei (CCN) activity of sea spray aerosol produced by bubble bursting. <i>Atmospheric Environment</i> , 2011 , 45, 7462-7469	5.3	41
134	Measurements of aerosol chemistry during new particle formation events at a remote rural mountain site. <i>Environmental Science & Technology</i> , 2011 , 45, 8208-16	10.3	52
133	Measurements of isoprene-derived organosulfates in ambient aerosols by aerosol time-of-flight mass spectrometry - part 1: single particle atmospheric observations in Atlanta. <i>Environmental Science & Technology</i> , 2011 , 45, 5105-11	10.3	108
132	Measurements of isoprene-derived organosulfates in ambient aerosols by aerosol time-of-flight mass spectrometry-part 2: temporal variability and formation mechanisms. <i>Environmental Science & Technology</i> , 2011 , 45, 8648-55	10.3	69
131	Approach for measuring the chemistry of individual particles in the size range critical for cloud formation. <i>Analytical Chemistry</i> , 2011 , 83, 2271-8	7.8	14
130	Impact of Particle Generation Method on the Apparent Hygroscopicity of Insoluble Mineral Particles. <i>Aerosol Science and Technology</i> , 2010 , 44, 830-846	3.4	39
129	In Situ Chemical Characterization of Aged Biomass-Burning Aerosols Impacting Cold Wave Clouds. <i>Journals of the Atmospheric Sciences</i> , 2010 , 67, 2451-2468	2.1	42

128	Ice Initiation by Aerosol Particles: Measured and Predicted Ice Nuclei Concentrations versus Measured Ice Crystal Concentrations in an Orographic Wave Cloud. <i>Journals of the Atmospheric Sciences</i> , 2010 , 67, 2417-2436	2.1	81
127	Relationships of Biomass-Burning Aerosols to Ice in Orographic Wave Clouds. <i>Journals of the Atmospheric Sciences</i> , 2010 , 67, 2437-2450	2.1	46
126	Composition and Morphology of Individual Combustion, Biomass Burning, and Secondary Organic Particle Types Obtained Using Urban and Coastal ATOFMS and STXM-NEXAFS Measurements. <i>Aerosol Science and Technology</i> , 2010 , 44, 551-562	3.4	19
125	Aircraft measurements of vertical profiles of aerosol mixing states. <i>Journal of Geophysical Research</i> , 2010 , 115,		88
124	Observation of playa salts as nuclei in orographic wave clouds. <i>Journal of Geophysical Research</i> , 2010 , 115,		50
123	Real-Time detection and mixing state of methanesulfonate in single particles at an inland urban location during a phytoplankton bloom. <i>Environmental Science & Technology</i> , 2010 , 44, 1566-72	10.3	71
122	Characterization of the single particle mixing state of individual ship plume events measured at the Port of Los Angeles. <i>Environmental Science & Technology</i> , 2010 , 44, 1954-61	10.3	109
121	Sources and properties of Amazonian aerosol particles. <i>Reviews of Geophysics</i> , 2010 , 48,	23.1	237
120	Real-time, single-particle volatility, size, and chemical composition measurements of aged urban aerosols. <i>Environmental Science & Technology</i> , 2009 , 43, 8276-82	10.3	73
119	In-situ measurements of the mixing state and optical properties of soot with implications for radiative forcing estimates. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 11872-7	11.5	342
118	Our current understanding of the impact of aerosols on climate change. <i>ChemSusChem</i> , 2009 , 2, 377-9	8.3	9
117	In situ detection of biological particles in cloud ice-crystals. <i>Nature Geoscience</i> , 2009 , 2, 398-401	18.3	348
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9	Impact of interannual variations in aerosol particle sources on orographic precipitation over California's Central Sierra Nevada		2
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