

Patricia K Quinn

List of Publications by Year in descending order

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217
papers

26,834
citations

5876

81
h-index

7496

151
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247
all docs

247
docs citations

247
times ranked

14186
citing authors

#	ARTICLE	IF	CITATIONS
1	Ammonia, the dominant base in the remote marine troposphere: a review. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 39, 413.	0.8	16
2	An overview of the Lagrangian experiments undertaken during the North Atlantic regional Aerosol Characterisation Experiment (ACE-2). <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 52, 290.	0.8	40
3	Aerosol physical properties and processes in the lower marine boundary layer: a comparison of shipboard sub-micron data from ACE-1 and ACE-2. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 52, 258.	0.8	66
4	Observations of the evolution of the aerosol, cloud and boundary-layer characteristics during the 1st ACE-2 Lagrangian experiment. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 52, 348.	0.8	16
5	Regional aerosol optical depth characteristics from satellite observations: ACE-1, TARFOX and ACE-2 results. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 52, 484.	0.8	20
6	Evolution of the aerosol, cloud and boundary-layer dynamic and thermodynamic characteristics during the 2nd Lagrangian experiment of ACE-2. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 52, 375.	0.8	16
7	Shipboard measurements of concentrations and properties of carbonaceous aerosols during ACE-2. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 52, 228.	0.8	28
8	A comparison of aerosol chemical and optical properties from the 1st and 2nd Aerosol Characterization Experiments. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 52, 239.	0.8	74
9	Boundary layer and aerosol evolution during the 3rd Lagrangian experiment of ACE-2. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 52, 401.	0.8	21
10	Solid organic-coated ammonium sulfate particles at high relative humidity in the summertime Arctic atmosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2104496119.	3.3	11
11	Pan-Arctic seasonal cycles and long-term trends of aerosol properties from 10 observatories. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3067-3096.	1.9	40
12	North Atlantic Ocean SST-gradient-driven variations in aerosol and cloud evolution along Lagrangian cold-air outbreak trajectories. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 2795-2815.	1.9	4
13	Characterization of Sea Surface Microlayer and Marine Aerosol Organic Composition Using STXM-NEXAFS Microscopy and FTIR Spectroscopy. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 1899-1913.	1.2	5
14	Linking marine phytoplankton emissions, meteorological processes, and downwind particle properties with FLEXPART. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 831-851.	1.9	15
15	Measurements from the RV <i>Ronald H. Brown</i> and related platforms as part of the Atlantic Tradewind Ocean-Atmosphere Mesoscale Interaction Campaign (ATOMIC). <i>Earth System Science Data</i> , 2021, 13, 1759-1790.	3.7	28
16	EUREC4A. <i>Earth System Science Data</i> , 2021, 13, 4067-4119.	3.7	88
17	Seasonal Differences in Submicron Marine Aerosol Particle Organic Composition in the North Atlantic. <i>Frontiers in Marine Science</i> , 2021, 8, .	1.2	9
18	From Sugar to Flowers: A Transition of Shallow Cumulus Organization During ATOMIC. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2021MS002619.	1.3	19

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19	Variability in Marine Plankton Ecosystems Are Not Observed in Freshly Emitted Sea Spray Aerosol Over the North Atlantic Ocean. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085938.	1.5	30
20	Long-Term Trends for Marine Sulfur Aerosol in the Alaskan Arctic and Relationships With Temperature. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033225.	1.2	13
21	Seasonal Differences and Variability of Concentrations, Chemical Composition, and Cloud Condensation Nuclei of Marine Aerosol Over the North Atlantic. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033145.	1.2	36
22	Ice Nucleation by Marine Aerosols Over the North Atlantic Ocean in Late Spring. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD030913.	1.2	30
23	Arctic Aerosols. <i>Springer Polar Sciences</i> , 2020, , 209-329.	0.0	4
24	AWARE: The Atmospheric Radiation Measurement (ARM) West Antarctic Radiation Experiment. <i>Bulletin of the American Meteorological Society</i> , 2020, 101, E1069-E1091.	1.7	46
25	North Atlantic marine organic aerosol characterized by novel offline thermal desorption mass spectrometry: polysaccharides, recalcitrant material, and secondary organics. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 16007-16022.	1.9	9
26	Factors driving the seasonal and hourly variability of sea-spray aerosol number in the North Atlantic. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 20309-20314.	3.3	43
27	The North Atlantic Aerosol and Marine Ecosystem Study (NAAMES): Science Motive and Mission Overview. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	111
28	An Odd Oxygen Framework for Wintertime Ammonium Nitrate Aerosol Pollution in Urban Areas: NO _x and VOC Control as Mitigation Strategies. <i>Geophysical Research Letters</i> , 2019, 46, 4971-4979.	1.5	80
29	Substantial Seasonal Contribution of Observed Biogenic Sulfate Particles to Cloud Condensation Nuclei. <i>Scientific Reports</i> , 2018, 8, 3235.	1.6	103
30	Nitrous acid formation in a snow-free wintertime polluted rural area. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 1977-1996.	1.9	22
31	Status and future of numerical atmospheric aerosol prediction with a focus on data requirements. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10615-10643.	1.9	64
32	A practical set of miniaturized instruments for vertical profiling of aerosol physical properties. <i>Aerosol Science and Technology</i> , 2017, 51, 715-723.	1.5	16
33	Size-resolved characterization of the polysaccharidic and proteinaceous components of sea spray aerosol. <i>Atmospheric Environment</i> , 2017, 154, 331-347.	1.9	81
34	Evaluation of ground-based black carbon measurements by filter-based photometers at two Arctic sites. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 3544-3572.	1.2	51
35	The Global Aerosol Synthesis and Science Project (GASSP): Measurements and Modeling to Reduce Uncertainty. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 1857-1877.	1.7	52
36	Molecular distributions and isotopic compositions of organic aerosols over the western North Atlantic: Dicarboxylic acids, related compounds, sugars, and secondary organic aerosol tracers. <i>Organic Geochemistry</i> , 2017, 113, 229-238.	0.9	32

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37	Small fraction of marine cloud condensation nuclei made up of sea spray aerosol. <i>Nature Geoscience</i> , 2017, 10, 674-679.	5.4	166
38	Factors That Modulate Properties of Primary Marine Aerosol Generated From Ambient Seawater on Ships at Sea. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 11,961.	1.2	22
39	The Ocean's Vital Skin: Toward an Integrated Understanding of the Sea Surface Microlayer. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	137
40	Causes of variability in light absorption by particles in snow at sites in Idaho and Utah. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 4751-4768.	1.2	34
41	Multiyear study of the dependence of sea salt aerosol on wind speed and sea ice conditions in the coastal Arctic. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 9208-9219.	1.2	51
42	Coupled ocean-atmosphere loss of marine refractory dissolved organic carbon. <i>Geophysical Research Letters</i> , 2016, 43, 2765-2772.	1.5	35
43	The magnitude of the snow-sourced reactive nitrogen flux to the boundary layer in the Uintah Basin, Utah, USA. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 13837-13851.	1.9	7
44	Reactive nitrogen partitioning and its relationship to winter ozone events in Utah. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 573-583.	1.9	24
45	Characterization of black carbon-containing particles from soot particle aerosol mass spectrometer measurements on the R/V <i>Atlantis</i> during CalNex 2010. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 2575-2593.	1.2	47
46	Investigation of secondary formation of formic acid: urban environment vs. oil and gas producing region. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 1975-1993.	1.9	57
47	Peroxynitric acid (HO ₂ NO ₂) measurements during the UBWOS 2013 and 2014 studies using iodide ion chemical ionization mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 8101-8114.	1.9	33
48	Particulate organic nitrates observed in an oil and natural gas production region during wintertime. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9313-9325.	1.9	14
49	Current model capabilities for simulating black carbon and sulfate concentrations in the Arctic atmosphere: a multi-model evaluation using a comprehensive measurement data set. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 9413-9433.	1.9	145
50	Photochemical aging of volatile organic compounds associated with oil and natural gas extraction in the Uintah Basin, UT, during a wintertime ozone formation event. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 5727-5741.	1.9	33
51	Surface ocean-lower atmosphere study: Scientific synthesis and contribution to Earth system science. <i>Anthropocene</i> , 2015, 12, 54-68.	1.6	13
52	The Impact of Aerosol Particle Mixing State on the Hygroscopicity of Sea Spray Aerosol. <i>ACS Central Science</i> , 2015, 1, 132-141.	5.3	64
53	Chemistry and Related Properties of Freshly Emitted Sea Spray Aerosol. <i>Chemical Reviews</i> , 2015, 115, 4383-4399.	23.0	289
54	Light-enhanced primary marine aerosol production from biologically productive seawater. <i>Geophysical Research Letters</i> , 2014, 41, 2661-2670.	1.5	48

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55	Contribution of sea surface carbon pool to organic matter enrichment in sea spray aerosol. <i>Nature Geoscience</i> , 2014, 7, 228-232.	5.4	223
56	Verification and application of the extended spectral deconvolution algorithm (SDA+) methodology to estimate aerosol fine and coarse mode extinction coefficients in the marine boundary layer. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 3399-3412.	1.2	25
57	Arctic Air Pollution: New Insights from POLARCAT-IPY. <i>Bulletin of the American Meteorological Society</i> , 2014, 95, 1873-1895.	1.7	107
58	A Measurement of Total Reactive Nitrogen, NO _x , together with NO ₂ , NO, and O ₃ via Cavity Ring-down Spectroscopy. <i>Environmental Science & Technology</i> , 2014, 48, 9609-9615.	4.6	75
59	Side-by-Side Comparison of Four Techniques Explains the Apparent Differences in the Organic Composition of Generated and Ambient Marine Aerosol Particles. <i>Aerosol Science and Technology</i> , 2014, 48, v-x.	1.5	25
60	Observations of gas phase hydrochloric acid in the polluted marine boundary layer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 6897-6915.	1.2	44
61	Hygroscopic growth of submicron and supermicron aerosols in the marine boundary layer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 8384-8399.	1.2	35
62	Sources and composition of submicron organic mass in marine aerosol particles. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 12,977.	1.2	106
63	Black carbon emissions from in-use ships: a California regional assessment. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 1881-1896.	1.9	45
64	A review of sea-spray aerosol source functions using a large global set of sea salt aerosol concentration measurements. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 1277-1297.	1.9	192
65	A case study into the measurement of ship emissions from plume intercepts of the NOAA ship <i>Miller Freeman</i> . <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 1337-1352.	1.9	58
66	Multi-decadal aerosol variations from 1980 to 2009: a perspective from observations and a global model. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 3657-3690.	1.9	240
67	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.	1.2	199
68	Bounding the role of black carbon in the climate system: A scientific assessment. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 5380-5552.	1.2	4,319
69	Regional signatures in the organic composition of marine aerosol particles. , 2013, , .		1
70	Measurements of atmospheric aerosol vertical distributions above Svalbard, Norway, using unmanned aerial systems (UAS). <i>Atmospheric Measurement Techniques</i> , 2013, 6, 2115-2120.	1.2	79
71	Response to Comment on "Radiative Absorption Enhancements Due to the Mixing State of Atmospheric Black Carbon". <i>Science</i> , 2013, 339, 393-393.	6.0	35
72	Frost flower aerosol effects on Arctic wintertime longwave cloud radiative forcing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 13,282.	1.2	21

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73	Atmospheric aerosol properties over the equatorial Indian Ocean and the impact of the Madden-Julian Oscillation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 5736-5749.	1.2	22
74	The impact of shipping, agricultural, and urban emissions on single particle chemistry observed aboard the R/V <i>Atlantis</i> during CalNex. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 5003-5017.	1.2	33
75	Spatial and diurnal variability in reactive nitrogen oxide chemistry as reflected in the isotopic composition of atmospheric nitrate: Results from the CalNex 2010 field study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 10,567.	1.2	33
76	Evolving research directions in Surface Ocean - Lower Atmosphere (SOLAS) science. <i>Environmental Chemistry</i> , 2013, 10, 1.	0.7	40
77	Effect of wind speed on aerosol optical depth over remote oceans, based on data from the Maritime Aerosol Network. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 377-388.	1.2	30
78	Radiative Absorption Enhancements Due to the Mixing State of Atmospheric Black Carbon. <i>Science</i> , 2012, 337, 1078-1081.	6.0	618
79	Influence of transport and ocean ice extent on biogenic aerosol sulfur in the Arctic atmosphere. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	85
80	Measurements of ocean derived aerosol off the coast of California. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	100
81	Impact of Fuel Quality Regulation and Speed Reductions on Shipping Emissions: Implications for Climate and Air Quality. <i>Environmental Science & Technology</i> , 2011, 45, 9052-9060.	4.6	115
82	Springtime Arctic haze contributions of submicron organic particles from European and Asian combustion sources. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	103
83	Unique ocean-derived particles serve as a proxy for changes in ocean chemistry. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	62
84	The case against climate regulation via oceanic phytoplankton sulphur emissions. <i>Nature</i> , 2011, 480, 51-56.	13.7	532
85	Characteristics, sources, and transport of aerosols measured in spring 2008 during the aerosol, radiation, and cloud processes affecting Arctic Climate (ARCPAC) Project. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 2423-2453.	1.9	259
86	Global distribution of sea salt aerosols: new constraints from in situ and remote sensing observations. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 3137-3157.	1.9	503
87	Atmospheric sulfur cycling in the southeastern Pacific – longitudinal distribution, vertical profile, and diel variability observed during VOCALS-REx. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 5079-5097.	1.9	50
88	Assessment of WRF/Chem to simulate sub-Arctic boundary layer characteristics during low solar irradiation using radiosonde, SODAR, and surface data. <i>Atmospheric Pollution Research</i> , 2011, 2, 283-299.	1.8	28
89	Sources, distribution, and acidity of sulfate-ammonium aerosol in the Arctic in winter-spring. <i>Atmospheric Environment</i> , 2011, 45, 7301-7318.	1.9	206
90	Maritime aerosol network as a component of AERONET – first results and comparison with global aerosol models and satellite retrievals. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 583-597.	1.2	152

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91	Comparison of in situ and columnar aerosol spectral measurements during TexAQs-GoMACCS 2006: testing parameterizations for estimating aerosol fine mode properties. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 51-61.	1.9	19
92	CCN predictions using simplified assumptions of organic aerosol composition and mixing state: a synthesis from six different locations. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 4795-4807.	1.9	124
93	Source identification of short-lived air pollutants in the Arctic using statistical analysis of measurement data and particle dispersion model output. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 669-693.	1.9	218
94	Long-term trends of black carbon and sulphate aerosol in the Arctic: changes in atmospheric transport and source region emissions. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 9351-9368.	1.9	169
95	Modeling heterogeneous ClNO ₂ formation, chloride availability, and chlorine cycling in Southeast Texas. <i>Atmospheric Environment</i> , 2010, 44, 5476-5488.	1.9	32
96	A large atomic chlorine source inferred from mid-continental reactive nitrogen chemistry. <i>Nature</i> , 2010, 464, 271-274.	13.7	562
97	Carbohydrate-like composition of submicron atmospheric particles and their production from ocean bubble bursting. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6652-6657.	3.3	322
98	Carboxylic acids, sulfates, and organosulfates in processed continental organic aerosol over the southeast Pacific Ocean during VOCALS-Ex 2008. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	184
99	Arctic organic aerosol measurements show particles from mixed combustion in spring haze and from frost flowers in winter. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	70
100	Measurement of Aerosol Organic Compounds Using a Novel Collection/Thermal-Desorption PTR-ITMS Instrument. <i>Aerosol Science and Technology</i> , 2009, 43, 486-501.	1.5	34
101	Organic aerosol characterization by complementary measurements of chemical bonds and molecular fragments. <i>Atmospheric Environment</i> , 2009, 43, 6100-6105.	1.9	73
102	Source characterization from ambient measurements of aerosol optical properties. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	11
103	Direct observations of N ₂ O ₅ reactivity on ambient aerosol particles. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	124
104	Laboratory studies of products of N ₂ O ₅ uptake on Cl ⁺ containing substrates. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	107
105	Relative humidity dependence of light absorption by mineral dust after long-range atmospheric transport from the Sahara. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	38
106	Maritime Aerosol Network as a component of Aerosol Robotic Network. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	258
107	Oxygenated fraction and mass of organic aerosol from direct emission and atmospheric processing measured on the R/V <i>Ronald Brown</i> during TEXAQs/GoMACCS 2006. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	126
108	Particulate emissions from commercial shipping: Chemical, physical, and optical properties. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	162

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109	Aerosol optical and hygroscopic properties during TexAQS/GoMACCS 2006 and their impact on aerosol direct radiative forcing. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	65
110	Decadal trends in aerosol chemical composition at Barrow, Alaska: 1976–2008. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 8883-8888.	1.9	93
111	Modelled radiative forcing of the direct aerosol effect with multi-observation evaluation. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 1365-1392.	1.9	187
112	High levels of nitryl chloride in the polluted subtropical marine boundary layer. <i>Nature Geoscience</i> , 2008, 1, 324-328.	5.4	403
113	Sources of particulate matter in the northeastern United States in summer: 1. Direct emissions and secondary formation of organic matter in urban plumes. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	173
114	Boundary layer aerosol chemistry during TexAQS/GoMACCS 2006: Insights into aerosol sources and transformation processes. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	73
115	Bias in Filter-Based Aerosol Light Absorption Measurements Due to Organic Aerosol Loading: Evidence from Ambient Measurements. <i>Aerosol Science and Technology</i> , 2008, 42, 1033-1041.	1.5	246
116	Influence of particle size and chemistry on the cloud nucleating properties of aerosols. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 1029-1042.	1.9	113
117	Short-lived pollutants in the Arctic: their climate impact and possible mitigation strategies. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 1723-1735.	1.9	346
118	Total observed organic carbon (TOOC) in the atmosphere: a synthesis of North American observations. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 2007-2025.	1.9	94
119	Spectral absorption properties of atmospheric aerosols. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 5937-5943.	1.9	521
120	Isotopic analysis of aerosol sulfate and nitrate during ITCT'02: Determination of different formation pathways as a function of particle size. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	45
121	Aerosol optical properties along the northeast coast of North America during the New England Air Quality Study-Intercontinental Transport and Chemical Transformation 2004 campaign and the influence of aerosol composition. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	41
122	Multi-grid-cell validation of satellite aerosol property retrievals in INTEX/ITCT/ICARTT 2004. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	39
123	Regional variation of organic functional groups in aerosol particles on four U.S. east coast platforms during the International Consortium for Atmospheric Research on Transport and Transformation 2004 campaign. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	98
124	Global sea-salt modeling: Results and validation against multicampaign shipboard measurements. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	77
125	Comparison of the radiative properties and direct radiative effect of aerosols from a global aerosol model and remote sensing data over ocean. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2007, 59, 115-129.	0.8	235
126	Arctic haze: current trends and knowledge gaps. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2007, 59, 99-114.	0.8	318

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127	Summertime pollution events in the Arctic and potential implications. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	39
128	Aerosol optical properties during the 2004 New England Air Quality Study-Intercontinental Transport and Chemical Transformation: Gulf of Maine surface measurements-Regional and case studies. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	18
129	Impacts of sources and aging on submicrometer aerosol properties in the marine boundary layer across the Gulf of Maine. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	126
130	Characterization of Asian Dust during ACE-Asia. <i>Global and Planetary Change</i> , 2006, 52, 23-56.	1.6	190
131	Aerosol direct radiative effects over the northwest Atlantic, northwest Pacific, and North Indian Oceans: estimates based on in-situ chemical and optical measurements and chemical transport modeling. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 1657-1732.	1.9	135
132	Reactivity and loss mechanisms of NO ₃ and N ₂ O ₅ in a polluted marine environment: Results from in situ measurements during New England Air Quality Study 2002. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	99
133	Modification, Calibration and a Field Test of an Instrument for Measuring Light Absorption by Particles. <i>Aerosol Science and Technology</i> , 2005, 39, 68-83.	1.5	249
134	Analysis of shipboard aerosol optical thickness measurements from multiple sunphotometers aboard the R/V Ronald H Brown during the Aerosol Characterization Experimentâ€”Asia. <i>Applied Optics</i> , 2005, 44, 3805.	2.1	2
135	Regional aerosol properties: Comparisons of boundary layer measurements from ACE 1, ACE 2, Aerosols99, INDOEX, ACE Asia, TARFOX, and NEAQS. <i>Journal of Geophysical Research</i> , 2005, 110, n/a-n/a.	3.3	134
136	A comparison and summary of aerosol optical properties as observed in situ from aircraft, ship, and land during ACE-Asia. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	74
137	Impact of particulate organic matter on the relative humidity dependence of light scattering: A simplified parameterization. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	1.5	113
138	Dominance of organic aerosols in the marine boundary layer over the Gulf of Maine during NEAQS 2002 and their role in aerosol light scattering. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	61
139	ACE-ASIA: Regional Climatic and Atmospheric Chemical Effects of Asian Dust and Pollution. <i>Bulletin of the American Meteorological Society</i> , 2004, 85, 367-380.	1.7	330
140	Aerosol optical properties measured on board the Ronald H. Brown during ACE-Asia as a function of aerosol chemical composition and source region. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	123
141	Volatile organic compound measurements at Trinidad Head, California, during ITCT 2K2: Analysis of sources, atmospheric composition, and aerosol residence times. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	56
142	Marine boundary layer dust and pollutant transport associated with the passage of a frontal system over eastern Asia. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	94
143	Three-dimensional simulations of inorganic aerosol distributions in east Asia during spring 2001. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	80
144	Submicron aerosol composition at Trinidad Head, California, during ITCT 2K2: Its relationship with gas phase volatile organic carbon and assessment of instrument performance. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	144

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145	Numerical study of Asian dust transport during the springtime of 2001 simulated with the Chemical Weather Forecasting System (CFORS) model. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	80
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147	Environmental snapshots from ACE-Asia. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	42
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