Patricia K Quinn

List of Publications by Year in Descending Order

231 papers	21,971 citations	80 h-index	144 g-index
247 ext. papers	24,484 ext. citations	7.4 avg, IF	6.21 L-index

#	Paper	IF	Citations
231	Solid organic-coated ammonium sulfate particles at high relative humidity in the summertime Arctic atmosphere.. *Proceedings of the National Academy of Sciences of the United States of America*, **2022**, 119, e2104496119	11.5	0
230	Pan-Arctic seasonal cycles and long-term trends of aerosol properties from 10 observatories. *Atmospheric Chemistry and Physics*, **2022**, 22, 3067-3096	6.8	4
229	North Atlantic Ocean SST-gradient-driven variations in aerosol and cloud evolution along Lagrangian cold-air outbreak trajectories. *Atmospheric Chemistry and Physics*, **2022**, 22, 2795-2815	6.8	0
228	Measurements from the RV <i>Ronald H. Brown</i> and related platforms as part of the Atlantic Tradewind Ocean-Atmosphere Mesoscale Interaction Campaign (ATOMIC). *Earth System Science Data*, **2021**, 13, 1759-1790	10.5	9
227	Linking marine phytoplankton emissions, meteorological processes, and downwind particle properties with FLEXPART. *Atmospheric Chemistry and Physics*, **2021**, 21, 831-851	6.8	2
226	EUREC⁴A. *Earth System Science Data*, **2021**, 13, 4067-4119	10.5	26
225	Seasonal Differences in Submicron Marine Aerosol Particle Organic Composition in the North Atlantic. *Frontiers in Marine Science*, **2021**, 8,	4.5	3
224	From Sugar to Flowers: A Transition of Shallow Cumulus Organization During ATOMIC. *Journal of Advances in Modeling Earth Systems*, **2021**, 13, e2021MS002619	7.1	3
223	Ice Nucleation by Marine Aerosols Over the North Atlantic Ocean in Late Spring. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2019JD030913	4.4	15
222	AWARE: The Atmospheric Radiation Measurement (ARM) West Antarctic Radiation Experiment. *Bulletin of the American Meteorological Society*, **2020**, 101, E1069-E1091	6.1	23
221	North Atlantic marine organic aerosol characterized by novel offline thermal desorption mass spectrometry: polysaccharides, recalcitrant material, and secondary organics. *Atmospheric Chemistry and Physics*, **2020**, 20, 16007-16022	6.8	2
220	Arctic Aerosols. *Springer Polar Sciences*, **2020**, 209-329	0.4	2
219	Variability in Marine Plankton Ecosystems Are Not Observed in Freshly Emitted Sea Spray Aerosol Over the North Atlantic Ocean. *Geophysical Research Letters*, **2020**, 47, e2019GL085938	4.9	19
218	Long-Term Trends for Marine Sulfur Aerosol in the Alaskan Arctic and Relationships With Temperature. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2020JD033225	4.4	9
217	Seasonal Differences and Variability of Concentrations, Chemical Composition, and Cloud Condensation Nuclei of Marine Aerosol Over the North Atlantic. *Journal of Geophysical Research D: Atmospheres*, **2020**, 125, e2020JD033145	4.4	14
216	Factors driving the seasonal and hourly variability of sea-spray aerosol number in the North Atlantic. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 20309-20314	11.5	22
215	The North Atlantic Aerosol and Marine Ecosystem Study (NAAMES): Science Motive and Mission Overview. *Frontiers in Marine Science*, **2019**, 6,	4.5	58

214	An Odd Oxygen Framework for Wintertime Ammonium Nitrate Aerosol Pollution in Urban Areas: NOx and VOC Control as Mitigation Strategies. *Geophysical Research Letters*, **2019**, 46, 4971-4979	4.9	45
213	Substantial Seasonal Contribution of Observed Biogenic Sulfate Particles to Cloud Condensation Nuclei. *Scientific Reports*, **2018**, 8, 3235	4.9	65
212	Nitrous acid formation in a snow-free wintertime polluted rural area. *Atmospheric Chemistry and Physics*, **2018**, 18, 1977-1996	6.8	17
211	Status and future of numerical atmospheric aerosol prediction with a focus on data requirements. *Atmospheric Chemistry and Physics*, **2018**, 18, 10615-10643	6.8	34
210	A practical set of miniaturized instruments for vertical profiling of aerosol physical properties. *Aerosol Science and Technology*, **2017**, 51, 715-723	3.4	9
209	Size-resolved characterization of the polysaccharidic and proteinaceous components of sea spray aerosol. *Atmospheric Environment*, **2017**, 154, 331-347	5.3	49
208	Evaluation of ground-based black carbon measurements by filter-based photometers at two Arctic sites. *Journal of Geophysical Research D: Atmospheres*, **2017**, 122, 3544-3572	4.4	41
207	The Global Aerosol Synthesis and Science Project (GASSP): Measurements and Modeling to Reduce Uncertainty. *Bulletin of the American Meteorological Society*, **2017**, 98, 1857-1877	6.1	43
206	Molecular distributions and isotopic compositions of organic aerosols over the western North Atlantic: Dicarboxylic acids, related compounds, sugars, and secondary organic aerosol tracers. *Organic Geochemistry*, **2017**, 113, 229-238	3.1	20
205	Small fraction of marine cloud condensation nuclei made up of sea spray aerosol. *Nature Geoscience* , **2017**, 10, 674-679	18.3	108
204	Factors That Modulate Properties of Primary Marine Aerosol Generated From Ambient Seawater on Ships at Sea. *Journal of Geophysical Research D: Atmospheres*, **2017**, 122, 11,961-11,990	4.4	17
203	The Ocean's Vital Skin: Toward an Integrated Understanding of the Sea Surface Microlayer. *Frontiers in Marine Science*, **2017**, 4,	4.5	90
202	Multiyear study of the dependence of sea salt aerosol on wind speed and sea ice conditions in the coastal Arctic. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 9208-9219	4.4	36
201	Coupled ocean-atmosphere loss of marine refractory dissolved organic carbon. *Geophysical Research Letters*, **2016**, 43, 2765-2772	4.9	27
200	The magnitude of the snow-sourced reactive nitrogen flux to the boundary layer in the Uintah Basin, Utah, USA. *Atmospheric Chemistry and Physics*, **2016**, 16, 13837-13851	6.8	6
199	Reactive nitrogen partitioning and its relationship to winter ozone events in Utah. *Atmospheric Chemistry and Physics*, **2016**, 16, 573-583	6.8	19
198	Causes of variability in light absorption by particles in snow at sites in Idaho and Utah. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 4751-4768	4.4	29
197	The Impact of Aerosol Particle Mixing State on the Hygroscopicity of Sea Spray Aerosol. *ACS Central Science*, **2015**, 1, 132-41	16.8	37

196	Chemistry and related properties of freshly emitted sea spray aerosol. *Chemical Reviews*, **2015**, 115, 4383-4399	38.1	220
195	Characterization of black carbon-containing particles from soot particle aerosol mass spectrometer measurements on the R/V Atlantis during CalNex 2010. *Journal of Geophysical Research D: Atmospheres*, **2015**, 120, 2575-2593	4.4	34
194	Investigation of secondary formation of formic acid: urban environment vs. oil and gas producing region. *Atmospheric Chemistry and Physics*, **2015**, 15, 1975-1993	6.8	45
193	Peroxynitric acid (HO₂NO₂) measurements during the UBWOS 2013 and 2014 studies using iodide ion chemical ionization mass spectrometry. *Atmospheric Chemistry and Physics*, **2015**, 15, 8101-8114	6.8	24
192	Particulate organic nitrates observed in an oil and natural gas production region during wintertime. *Atmospheric Chemistry and Physics*, **2015**, 15, 9313-9325	6.8	11
191	Current model capabilities for simulating black carbon and sulfate concentrations in the Arctic atmosphere: a multi-model evaluation using a comprehensive measurement data set. *Atmospheric Chemistry and Physics*, **2015**, 15, 9413-9433	6.8	111
190	Photochemical aging of volatile organic compounds associated with oil and natural gas extraction in the Uintah Basin, UT, during a wintertime ozone formation event. *Atmospheric Chemistry and Physics*, **2015**, 15, 5727-5741	6.8	27
189	Surface ocean-lower atmosphere study: Scientific synthesis and contribution to Earth system science. *Anthropocene*, **2015**, 12, 54-68	3.9	8
188	A measurement of total reactive nitrogen, NOy, together with NO2, NO, and O3 via cavity ring-down spectroscopy. *Environmental Science & Technology*, **2014**, 48, 9609-15	10.3	66
187	Side-by-Side Comparison of Four Techniques Explains the Apparent Differences in the Organic Composition of Generated and Ambient Marine Aerosol Particles. *Aerosol Science and Technology*, **2014**, 48, v-x	3.4	21
186	Observations of gas phase hydrochloric acid in the polluted marine boundary layer. *Journal of Geophysical Research D: Atmospheres*, **2014**, 119, 6897-6915	4.4	34
185	Hygroscopic growth of submicron and supermicron aerosols in the marine boundary layer. *Journal of Geophysical Research D: Atmospheres*, **2014**, 119, 8384-8399	4.4	25
184	Sources and composition of submicron organic mass in marine aerosol particles. *Journal of Geophysical Research D: Atmospheres*, **2014**, 119, 12,977-13,003	4.4	81
183	Black carbon emissions from in-use ships: a California regional assessment. *Atmospheric Chemistry and Physics*, **2014**, 14, 1881-1896	6.8	36
182	A review of sea-spray aerosol source functions using a large global set of sea salt aerosol concentration measurements. *Atmospheric Chemistry and Physics*, **2014**, 14, 1277-1297	6.8	144
181	A case study into the measurement of ship emissions from plume intercepts of the NOAA ship <i>Miller Freeman</i>. *Atmospheric Chemistry and Physics*, **2014**, 14, 1337-1352	6.8	43
180	Multi-decadal aerosol variations from 1980 to 2009: a perspective from observations and a global model. *Atmospheric Chemistry and Physics*, **2014**, 14, 3657-3690	6.8	201
179	Light-enhanced primary marine aerosol production from biologically productive seawater. *Geophysical Research Letters*, **2014**, 41, 2661-2670	4.9	40

178	Contribution of sea surface carbon pool to organic matter enrichment in sea spray aerosol. *Nature Geoscience*, **2014**, 7, 228-232	18.3	167
177	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. *Atmospheric Measurement Techniques*, **2014**, 7, 3399-3412	4	20
176	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 **2014**,		1
175	Arctic Air Pollution: New Insights from POLARCAT-IPY. *Bulletin of the American Meteorological Society*, **2014**, 95, 1873-1895	6.1	85
174	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	4.4	178
173	Bounding the role of black carbon in the climate system: A scientific assessment. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 5380-5552	4.4	3330
172	Measurements of atmospheric aerosol vertical distributions above Svalbard, Norway, using unmanned aerial systems (UAS). *Atmospheric Measurement Techniques*, **2013**, 6, 2115-2120	4	57
171	Response to comment on "Radiative absorption enhancements due to the mixing state of atmospheric black carbon". *Science*, **2013**, 339, 393	33.3	31
170	Frost flower aerosol effects on Arctic wintertime longwave cloud radiative forcing. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 13,282-13,291	4.4	16
169	Atmospheric aerosol properties over the equatorial Indian Ocean and the impact of the Madden-Julian Oscillation. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 5736-5749	4.4	19
168	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	4.4	29
167	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. *Journal of Geophysical Research D: Atmospheres*, **2013**, 118, 10,567-10,588	4.4	27
166	Evolving research directions in Surface Ocean - Lower Atmosphere (SOLAS) science. *Environmental Chemistry*, **2013**, 10, 1	3.2	31
165	Radiative absorption enhancements due to the mixing state of atmospheric black carbon. *Science*, **2012**, 337, 1078-81	33.3	485
164	Influence of transport and ocean ice extent on biogenic aerosol sulfur in the Arctic atmosphere. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		75
163	Measurements of ocean derived aerosol off the coast of California. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		84
162	Effect of wind speed on aerosol optical depth over remote oceans, based on data from the Maritime Aerosol Network. *Atmospheric Measurement Techniques*, **2012**, 5, 377-388	4	24
161	Springtime Arctic haze contributions of submicron organic particles from European and Asian combustion sources. *Journal of Geophysical Research*, **2011**, 116,		90

160	Unique ocean-derived particles serve as a proxy for changes in ocean chemistry. *Journal of Geophysical Research*, **2011**, 116,		54
159	The case against climate regulation via oceanic phytoplankton sulphur emissions. *Nature*, **2011**, 480, 51-6	50.4	419
158	Characteristics, sources, and transport of aerosols measured in spring 2008 during the aerosol, radiation, and cloud processes affecting Arctic Climate (ARCPAC) Project. *Atmospheric Chemistry and Physics*, **2011**, 11, 2423-2453	6.8	217
157	Global distribution of sea salt aerosols: new constraints from in situ and remote sensing observations. *Atmospheric Chemistry and Physics*, **2011**, 11, 3137-3157	6.8	393
156	Atmospheric sulfur cycling in the southeastern Pacific – longitudinal distribution, vertical profile, and diel variability observed during VOCALS-REx. *Atmospheric Chemistry and Physics*, **2011**, 11, 5079-5097	6.8	43
155	Assessment of WRF/Chem to simulate sub-Arctic boundary layer characteristics during low solar irradiation using radiosonde, SODAR, and surface data. *Atmospheric Pollution Research*, **2011**, 2, 283-299	4.5	23
154	Sources, distribution, and acidity of sulfate–ammonium aerosol in the Arctic in winter–spring. *Atmospheric Environment*, **2011**, 45, 7301-7318	5.3	170
153	Impact of fuel quality regulation and speed reductions on shipping emissions: implications for climate and air quality. *Environmental Science & Technology*, **2011**, 45, 9052-60	10.3	95
152	Maritime Aerosol Network as a component of AERONET – first results and comparison with global aerosol models and satellite retrievals **2011**,		3
151	Maritime aerosol network as a component of AERONET – first results and comparison with global aerosol models and satellite retrievals. *Atmospheric Measurement Techniques*, **2011**, 4, 583-597	4	121
150	A large atomic chlorine source inferred from mid-continental reactive nitrogen chemistry. *Nature*, **2010**, 464, 271-4	50.4	471
149	Carbohydrate-like composition of submicron atmospheric particles and their production from ocean bubble bursting. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 6652-7	11.5	274
148	Carboxylic acids, sulfates, and organosulfates in processed continental organic aerosol over the southeast Pacific Ocean during VOCALS-REx 2008. *Journal of Geophysical Research*, **2010**, 115,		162
147	Arctic organic aerosol measurements show particles from mixed combustion in spring haze and from frost flowers in winter. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	63
146	Comparison of in situ and columnar aerosol spectral measurements during TexAQS-GoMACCS 2006: testing parameterizations for estimating aerosol fine mode properties. *Atmospheric Chemistry and Physics*, **2010**, 10, 51-61	6.8	14
145	CCN predictions using simplified assumptions of organic aerosol composition and mixing state: a synthesis from six different locations. *Atmospheric Chemistry and Physics*, **2010**, 10, 4795-4807	6.8	105
144	Source identification of short-lived air pollutants in the Arctic using statistical analysis of measurement data and particle dispersion model output. *Atmospheric Chemistry and Physics*, **2010**, 10, 669-693	6.8	182
143	Long-term trends of black carbon and sulphate aerosol in the Arctic: changes in atmospheric transport and source region emissions. *Atmospheric Chemistry and Physics*, **2010**, 10, 9351-9368	6.8	135

142	Modeling heterogeneous ClNO2 formation, chloride availability, and chlorine cycling in Southeast Texas. *Atmospheric Environment*, **2010**, 44, 5476-5488	5.3	30
141	Measurement of Aerosol Organic Compounds Using a Novel Collection/Thermal-Desorption PTR-ITMS Instrument. *Aerosol Science and Technology*, **2009**, 43, 486-501	3.4	29
140	Organic aerosol characterization by complementary measurements of chemical bonds and molecular fragments. *Atmospheric Environment*, **2009**, 43, 6100-6105	5.3	63
139	Source characterization from ambient measurements of aerosol optical properties. *Geophysical Research Letters*, **2009**, 36,	4.9	9
138	Direct observations of N2O5 reactivity on ambient aerosol particles. *Geophysical Research Letters*, **2009**, 36,	4.9	109
137	Laboratory studies of products of N2O5 uptake on Cl⁻containing substrates. *Geophysical Research Letters*, **2009**, 36,	4.9	95
136	Relative humidity dependence of light absorption by mineral dust after long-range atmospheric transport from the Sahara. *Geophysical Research Letters*, **2009**, 36,	4.9	37
135	Maritime Aerosol Network as a component of Aerosol Robotic Network. *Journal of Geophysical Research*, **2009**, 114,		203
134	Oxygenated fraction and mass of organic aerosol from direct emission and atmospheric processing measured on the R/V Ronald Brown during TEXAQS/GoMACCS 2006. *Journal of Geophysical Research*, **2009**, 114,		113
133	Particulate emissions from commercial shipping: Chemical, physical, and optical properties. *Journal of Geophysical Research*, **2009**, 114,		133
132	Aerosol optical and hygroscopic properties during TexAQS-GoMACCS 2006 and their impact on aerosol direct radiative forcing. *Journal of Geophysical Research*, **2009**, 114,		57
131	Decadal trends in aerosol chemical composition at Barrow, Alaska: 1976–2008. *Atmospheric Chemistry and Physics*, **2009**, 9, 8883-8888	6.8	81
130	Modelled radiative forcing of the direct aerosol effect with multi-observation evaluation. *Atmospheric Chemistry and Physics*, **2009**, 9, 1365-1392	6.8	161
129	High levels of nitryl chloride in the polluted subtropical marine boundary layer. *Nature Geoscience*, **2008**, 1, 324-328	18.3	326
128	Sources of particulate matter in the northeastern United States in summer: 1. Direct emissions and secondary formation of organic matter in urban plumes. *Journal of Geophysical Research*, **2008**, 113,		158
127	Boundary layer aerosol chemistry during TexAQS/GoMACCS 2006: Insights into aerosol sources and transformation processes. *Journal of Geophysical Research*, **2008**, 113,		65
126	Bias in Filter-Based Aerosol Light Absorption Measurements Due to Organic Aerosol Loading: Evidence from Ambient Measurements. *Aerosol Science and Technology*, **2008**, 42, 1033-1041	3.4	223
125	Influence of particle size and chemistry on the cloud nucleating properties of aerosols. *Atmospheric Chemistry and Physics*, **2008**, 8, 1029-1042	6.8	100

124	Short-lived pollutants in the Arctic: their climate impact and possible mitigation strategies. *Atmospheric Chemistry and Physics*, **2008**, 8, 1723-1735	6.8	292
123	Total observed organic carbon (TOOC) in the atmosphere: a synthesis of North American observations. *Atmospheric Chemistry and Physics*, **2008**, 8, 2007-2025	6.8	81
122	Isotopic analysis of aerosol sulfate and nitrate during ITCT-2k2: Determination of different formation pathways as a function of particle size. *Journal of Geophysical Research*, **2007**, 112,		36
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. *Journal of Geophysical Research*, **2007**, 112,		36
120	Multi-grid-cell validation of satellite aerosol property retrievals in INTEX/ITCT/ICARTT 2004. *Journal of Geophysical Research*, **2007**, 112,		39
119	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. *Journal of Geophysical Research*, **2007**, 112,		85
118	Global sea-salt modeling: Results and validation against multicampaign shipboard measurements. *Journal of Geophysical Research*, **2007**, 112,		69
117	Comparison of the radiative properties and direct radiative effect of aerosols from a global aerosol model and remote sensing data over ocean. *Tellus, Series B: Chemical and Physical Meteorology*, **2007**, 59, 115-129	3.3	208
116	Arctic haze: current trends and knowledge gaps. *Tellus, Series B: Chemical and Physical Meteorology*, **2007**, 59, 99-114	3.3	217
115	Spectral absorption properties of atmospheric aerosols. *Atmospheric Chemistry and Physics*, **2007**, 7, 5937-5943	6.8	441
114	Reactivity and loss mechanisms of NO3 and N2O5 in a polluted marine environment: Results from in situ measurements during New England Air Quality Study 2002. *Journal of Geophysical Research*, **2006**, 111,		80
113	Summertime pollution events in the Arctic and potential implications. *Journal of Geophysical Research*, **2006**, 111,		36
112	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. *Journal of Geophysical Research*, **2006**, 111,		17
111	Impacts of sources and aging on submicrometer aerosol properties in the marine boundary layer across the Gulf of Maine. *Journal of Geophysical Research*, **2006**, 111,		113
110	Characterization of Asian Dust during ACE-Asia. *Global and Planetary Change*, **2006**, 52, 23-56	4.2	170
109	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. *Atmospheric Chemistry and Physics*, **2006**, 6, 1657-1732	6.8	115
108	Analysis of shipboard aerosol optical thickness measurements from multiple sunphotometers aboard the R/V Ronald H. Brown during the Aerosol Characterization Experiment--Asia. *Applied Optics*, **2005**, 44, 3805-20	1.7	2
107	Regional aerosol properties: Comparisons of boundary layer measurements from ACE 1, ACE 2, Aerosols99, INDOEX, ACE Asia, TARFOX, and NEAQS. *Journal of Geophysical Research*, **2005**, 110, n/a-n/a		122

106	A comparison and summary of aerosol optical properties as observed in situ from aircraft, ship, and land during ACE-Asia. *Journal of Geophysical Research*, **2005**, 110,		67
105	Impact of particulate organic matter on the relative humidity dependence of light scattering: A simplified parameterization. *Geophysical Research Letters*, **2005**, 32, n/a-n/a	4.9	101
104	Dominance of organic aerosols in the marine boundary layer over the Gulf of Maine during NEAQS 2002 and their role in aerosol light scattering. *Journal of Geophysical Research*, **2005**, 110,		55
103	Modification, Calibration and a Field Test of an Instrument for Measuring Light Absorption by Particles. *Aerosol Science and Technology*, **2005**, 39, 68-83	3.4	219
102	ACE-ASIA: Regional Climatic and Atmospheric Chemical Effects of Asian Dust and Pollution. *Bulletin of the American Meteorological Society*, **2004**, 85, 367-380	6.1	285
101	Aerosol optical properties measured on board the Ronald H. Brown during ACE-Asia as a function of aerosol chemical composition and source region. *Journal of Geophysical Research*, **2004**, 109,		105
100	Volatile organic compound measurements at Trinidad Head, California, during ITCT 2K2: Analysis of sources, atmospheric composition, and aerosol residence times. *Journal of Geophysical Research*, **2004**, 109,		49
99	Marine boundary layer dust and pollutant transport associated with the passage of a frontal system over eastern Asia. *Journal of Geophysical Research*, **2004**, 109,		86
98	Three-dimensional simulations of inorganic aerosol distributions in east Asia during spring 2001. *Journal of Geophysical Research*, **2004**, 109,		74
97	Submicron aerosol composition at Trinidad Head, California, during ITCT 2K2: Its relationship with gas phase volatile organic carbon and assessment of instrument performance. *Journal of Geophysical Research*, **2004**, 109,		133
96	Numerical study of Asian dust transport during the springtime of 2001 simulated with the Chemical Weather Forecasting System (CFORS) model. *Journal of Geophysical Research*, **2004**, 109,		74
95	Aerosol non-sea-salt sulfate in the remote marine boundary layer under clear-sky and normal cloudiness conditions: Ocean-derived biogenic alkalinity enhances sea-salt sulfate production by ozone oxidation. *Journal of Geophysical Research*, **2004**, 109,		66
94	Environmental snapshots from ACE-Asia. *Journal of Geophysical Research*, **2004**, 109,		32
93	Spectral absorption of solar radiation by aerosols during ACE-Asia. *Journal of Geophysical Research*, **2004**, 109,		44
92	Nighttime removal of NOx in the summer marine boundary layer. *Geophysical Research Letters*, **2004**, 31, n/a-n/a	4.9	112
91	Multiscale simulations of tropospheric chemistry in the eastern Pacific and on the U.S. West Coast during spring 2002. *Journal of Geophysical Research*, **2004**, 109,		26
90	Hygroscopic properties of different aerosol types over the Atlantic and Indian Oceans. *Atmospheric Chemistry and Physics*, **2003**, 3, 1377-1397	6.8	88
89	Sampling methods used for the collection of particle-phase organic and elemental carbon during ACE-Asia. *Atmospheric Environment*, **2003**, 37, 1435-1449	5.3	93

88	Influence of relative humidity on aerosol radiative forcing: An ACE-Asia experiment perspective. *Journal of Geophysical Research*, **2003**, 108,		64
87	A model for the radiative forcing during ACE-Asia derived from CIRPAS Twin Otter and R/V Ronald H. Brown data and comparison with observations. *Journal of Geophysical Research*, **2003**, 108,		60
86	Characterization of carbonaceous aerosols outflow from India and Arabia: Biomass/biofuel burning and fossil fuel combustion. *Journal of Geophysical Research*, **2003**, 108,		94
85	North American, Asian, and Indian haze: Similar regional impacts on climate?. *Geophysical Research Letters*, **2003**, 30,	4.9	55
84	Mixtures of pollution, dust, sea salt, and volcanic aerosol during ACE-Asia: Radiative properties as a function of relative humidity. *Journal of Geophysical Research*, **2003**, 108,		202
83	Geostationary satellite retrievals of aerosol optical thickness during ACE-Asia. *Journal of Geophysical Research*, **2003**, 108,		47
82	ACE-Asia intercomparison of a thermal-optical method for the determination of particle-phase organic and elemental carbon. *Environmental Science & Technology*, **2003**, 37, 993-1001	10.3	366
81	Clear-sky infrared aerosol radiative forcing at the surface and the top of the atmosphere. *Quarterly Journal of the Royal Meteorological Society*, **2003**, 129, 2927-2947	6.4	42
80	Comparison of Aerosol Single Scattering Albedos Derived by Diverse Techniques in Two North Atlantic Experiments. *Journals of the Atmospheric Sciences*, **2002**, 59, 609-619	2.1	70
79	Carbonaceous aerosol over the Indian Ocean: OC/EC fractions and selected specifications from size-segregated onboard samples. *Journal of Geophysical Research*, **2002**, 107, INX2 30-1		70
78	INDOEX aerosol: A comparison and summary of chemical, microphysical, and optical properties observed from land, ship, and aircraft. *Journal of Geophysical Research*, **2002**, 107, INX2 32-1		98
77	Regional marine boundary layer aerosol size distributions in the Indian, Atlantic, and Pacific Oceans: A comparison of INDOEX measurements with ACE-1, ACE-2, and Aerosols99. *Journal of Geophysical Research*, **2002**, 107, INX2 25-1		81
76	A 3-year record of simultaneously measured aerosol chemical and optical properties at Barrow, Alaska. *Journal of Geophysical Research*, **2002**, 107, AAC 8-1-AAC 8-15		202
75	Aerosol optical properties during INDOEX 1999: Means, variability, and controlling factors. *Journal of Geophysical Research*, **2002**, 107, INX2 19-1		92
74	Measurements of aerosol vertical profiles and optical properties during INDOEX 1999 using micropulse lidars. *Journal of Geophysical Research*, **2002**, 107, INX2 18-1		135
73	Aerosol optical depths and direct radiative forcing for INDOEX derived from AVHRR: Theory. *Journal of Geophysical Research*, **2002**, 107, INX2 8-1		20
72	Indian Ocean Experiment: An integrated analysis of the climate forcing and effects of the great Indo-Asian haze. *Journal of Geophysical Research*, **2001**, 106, 28371-28398		1041
71	Lidar measurements during Aerosols99. *Journal of Geophysical Research*, **2001**, 106, 20821-20831		34

70	Dominant aerosol chemical components and their contribution to extinction during the Aerosols99 cruise across the Atlantic. *Journal of Geophysical Research*, **2001**, 106, 20783-20809		67
69	Regional physical and chemical properties of the marine boundary layer aerosol across the Atlantic during Aerosols99: An overview. *Journal of Geophysical Research*, **2001**, 106, 20767-20782		71
68	Aerosol optical depth measurements during the Aerosols99 experiment. *Journal of Geophysical Research*, **2001**, 106, 20811-20819		28
67	. *Tellus, Series B: Chemical and Physical Meteorology*, **2000**, 52, 228-238	3.3	12
66	Aerosol physical properties and processes in the lower marine boundary layer: a comparison of shipboard sub-micron data from ACE-1 and ACE-2. *Tellus, Series B: Chemical and Physical Meteorology*, **2000**, 52, 258-272	3.3	30
65	A comparison of aerosol chemical and optical properties from the 1st and 2nd Aerosol Characterization Experiments. *Tellus, Series B: Chemical and Physical Meteorology*, **2000**, 52, 239-257	3.3	32
64	Regional aerosol optical depth characteristics from satellite observations: ACE-1, TARFOX and ACE-2 results. *Tellus, Series B: Chemical and Physical Meteorology*, **2000**, 52, 484-497	3.3	3
63	. *Tellus, Series B: Chemical and Physical Meteorology*, **2000**, 52, 594-619	3.3	22
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