

# Lynn M Russell

## List of Publications by Citations

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273  
papers

14,290  
citations

68  
h-index

108  
g-index

321  
ext. papers

16,099  
ext. citations

6.1  
avg, IF

6.19  
L-index

#	Paper	IF	Citations
273	A large organic aerosol source in the free troposphere missing from current models. <i>Geophysical Research Letters</i> , <b>2005</b> , 32, n/a-n/a	4.9	515
272	Critical assessment of the current state of scientific knowledge, terminology, and research needs concerning the role of organic aerosols in the atmosphere, climate, and global change. <i>Atmospheric Chemistry and Physics</i> , <b>2006</b> , 6, 2017-2038	6.8	394
271	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> , <b>2013</b> , 110, 7550-5	11.5	345
270	Elucidating secondary organic aerosol from diesel and gasoline vehicles through detailed characterization of organic carbon emissions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 18318-23	11.5	322
269	ACE-ASIA: Regional Climatic and Atmospheric Chemical Effects of Asian Dust and Pollution. <i>Bulletin of the American Meteorological Society</i> , <b>2004</b> , 85, 367-380	6.1	285
268	The AeroCom evaluation and intercomparison of organic aerosol in global models. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 10845-10895	6.8	280
267	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> , <b>2010</b> , 107, 6652-7	11.5	274
266	The VAMOS Ocean-Cloud-Atmosphere-Land Study Regional Experiment (VOCALS-REx): goals, platforms, and field operations. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 627-654	6.8	238
265	Organic aerosol growth mechanisms and their climate-forcing implications. <i>Science</i> , <b>2004</b> , 306, 1921-4	33.3	236
264	The Effects of Low Molecular Weight Dicarboxylic Acids on Cloud Formation. <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 11240-11248	2.8	219
263	Organic aerosol composition and sources in Pasadena, California, during the 2010 CalNex campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 9233-9257	4.4	201
262	Evidence for NO(x) control over nighttime SOA formation. <i>Science</i> , <b>2012</b> , 337, 1210-2	33.3	200
261	Exploring the vertical profile of atmospheric organic aerosol: comparing 17 aircraft field campaigns with a global model. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 12673-12696	6.8	199
260	Aerosol organic-mass-to-organic-carbon ratio measurements. <i>Environmental Science &amp; Technology</i> , <b>2003</b> , 37, 2982-7	10.3	192
259	FTIR measurements of functional groups and organic mass in aerosol samples over the Caribbean. <i>Atmospheric Environment</i> , <b>2002</b> , 36, 5185-5196	5.3	173
258	Identifying organic aerosol sources by comparing functional group composition in chamber and atmospheric particles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2011</b> , 108, 3516-21	11.5	169
257	Contribution of sea surface carbon pool to organic matter enrichment in sea spray aerosol. <i>Nature Geoscience</i> , <b>2014</b> , 7, 228-232	18.3	167

256	Carboxylic acids, sulfates, and organosulfates in processed continental organic aerosol over the southeast Pacific Ocean during VOCALS-REx 2008. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		162
255	Elemental composition and oxidation of chamber organic aerosol. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 8827-8845	6.8	156
254	Source signatures of carbon monoxide and organic functional groups in Asian Pacific Regional Aerosol Characterization Experiment (ACE-Asia) submicron aerosol types. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		140
253	Mapping organic coatings on atmospheric particles. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 26-1-26-4	4.9	137
252	Radial Differential Mobility Analyzer. <i>Aerosol Science and Technology</i> , <b>1995</b> , 23, 357-372	3.4	136
251	Aerosol production and growth in the marine boundary layer. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 20989		136
250	Prompt deliquescence and efflorescence of aerosol nanoparticles. <i>Atmospheric Chemistry and Physics</i> , <b>2006</b> , 6, 4633-4642	6.8	134
249	The relationship between DMS flux and CCN concentration in remote marine regions. <i>Journal of Geophysical Research</i> , <b>1994</b> , 99, 16945		133
248	Comparison of Gasoline Direct-Injection (GDI) and Port Fuel Injection (PFI) Vehicle Emissions: Emission Certification Standards, Cold-Start, Secondary Organic Aerosol Formation Potential, and Potential Climate Impacts. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 6542-6552	10.3	132
247	Emissions from Ships with respect to Their Effects on Clouds. <i>Journals of the Atmospheric Sciences</i> , <b>2000</b> , 57, 2570-2590	2.1	132
246	Hydrolysis of Organonitrate Functional Groups in Aerosol Particles. <i>Aerosol Science and Technology</i> , <b>2012</b> , 46, 1359-1369	3.4	126
245	Intercomparison Study of the Size-Dependent Counting Efficiency of 26 Condensation Particle Counters. <i>Aerosol Science and Technology</i> , <b>1997</b> , 27, 224-242	3.4	125
244	Evaluation of the aerosol indirect effect in marine stratocumulus clouds: Droplet number, size, liquid water path, and radiative impact. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		125
243	Nanosize Effect on the Deliquescence and the Efflorescence of Sodium Chloride Particles. <i>Aerosol Science and Technology</i> , <b>2006</b> , 40, 97-106	3.4	124
242	Organonitrate group concentrations in submicron particles with high nitrate and organic fractions in coastal southern California. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 1970-1979	5.3	120
241	Oxygenated fraction and mass of organic aerosol from direct emission and atmospheric processing measured on the R/V Ronald Brown during TEXAQS/GoMACCS 2006. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		113
240	Polysaccharides, Proteins, and Phytoplankton Fragments: Four Chemically Distinct Types of Marine Primary Organic Aerosol Classified by Single Particle Spectromicroscopy. <i>Advances in Meteorology</i> , <b>2010</b> , 2010, 1-14	1.7	111
239	Organosulfates as tracers for secondary organic aerosol (SOA) formation from 2-methyl-3-buten-2-ol (MBO) in the atmosphere. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 9437-48	10.3	109

238	Nucleation and condensational growth to CCN sizes during a sustained pristine biogenic SOA event in a forested mountain valley. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 3147-3163	6.8	106
237	South East Pacific atmospheric composition and variability sampled along 20°S during VOCALS-REx. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 5237-5262	6.8	105
236	Phase Transitions of Single Salt Particles Studied Using a Transmission Electron Microscope with an Environmental Cell. <i>Aerosol Science and Technology</i> , <b>2005</b> , 39, 849-856	3.4	105
235	Source-diagnostic dual-isotope composition and optical properties of water-soluble organic carbon and elemental carbon in the South Asian outflow intercepted over the Indian Ocean. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 11,743-11,759	4.4	95
234	Observational insights into aerosol formation from isoprene. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 11403-13	10.3	95
233	Characterization of organic ambient aerosol during MIRAGE 2006 on three platforms. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 5417-5432	6.8	95
232	Thermodynamic equilibrium of organic-electrolyte mixtures in aerosol particles. <i>AIChE Journal</i> , <b>2002</b> , 48, 1331-1348	3.6	94
231	A physically based framework for modeling the organic fractionation of sea spray aerosol from bubble film Langmuir equilibria. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 13601-13629	6.8	93
230	Characterizing the aging of biomass burning organic aerosol by use of mixing ratios: a meta-analysis of four regions. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 13093-102	10.3	93
229	Hygroscopic and optical properties of organic sea salt aerosol and consequences for climate forcing. <i>Geophysical Research Letters</i> , <b>2004</b> , 31,	4.9	92
228	Determination of Differential Mobility Analyzer Transfer Functions Using Identical Instruments in Series. <i>Aerosol Science and Technology</i> , <b>1997</b> , 27, 215-223	3.4	91
227	Springtime Arctic haze contributions of submicron organic particles from European and Asian combustion sources. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		90
226	Nanosize effect on the hygroscopic growth factor of aerosol particles. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	88
225	Mathematical modeling of nucleation and growth of particles formed by the rapid expansion of a supercritical solution under subsonic conditions. <i>Journal of Supercritical Fluids</i> , <b>2002</b> , 23, 65-80	4.2	88
224	The summertime Boreal forest field measurement intensive (HUMPPA-COPEC-2010): an overview of meteorological and chemical influences. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 10599-10618	6.8	87
223	January 2016 extensive summer melt in West Antarctica favoured by strong El Niño. <i>Nature Communications</i> , <b>2017</b> , 8, 15799	17.4	86
222	Marine boundary layer dust and pollutant transport associated with the passage of a frontal system over eastern Asia. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		86
221	Overview paper: New insights into aerosol and climate in the Arctic. <i>Atmospheric Chemistry and Physics</i> , <b>2019</b> , 19, 2527-2560	6.8	85

220	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> , <b>2007</b> , 112,		85
219	Measurements of ocean derived aerosol off the coast of California. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		84
218	Bidirectional mixing in an ACE 1 marine boundary layer overlain by a second turbulent layer. <i>Journal of Geophysical Research</i> , <b>1998</b> , 103, 16411-16432		84
217	Dust-wind interactions can intensify aerosol pollution over eastern China. <i>Nature Communications</i> , <b>2017</b> , 8, 15333	17.4	81
216	Sources and composition of submicron organic mass in marine aerosol particles. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 12,977-13,003	4.4	81
215	Accumulation mode aerosol, pockets of open cells, and particle nucleation in the remote subtropical Pacific marine boundary layer. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		81
214	Fog scavenging of organic and inorganic aerosol in the Po Valley. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 6967-6981	6.8	80
213	Deliquescence of small particles. <i>Journal of Chemical Physics</i> , <b>2002</b> , 116, 311	3.9	74
212	Predicted hygroscopic growth of sea salt aerosol. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 28259-28274		74
211	Organic functional groups in aerosol particles from burning and non-burning forest emissions at a high-elevation mountain site. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 6367-6386	6.8	72
210	Water Uptake by NaCl Particles Prior to Deliquescence and the Phase Rule. <i>Aerosol Science and Technology</i> , <b>2008</b> , 42, 281-294	3.4	72
209	Eastern Pacific Emitted Aerosol Cloud Experiment. <i>Bulletin of the American Meteorological Society</i> , <b>2013</b> , 94, 709-729	6.1	71
208	Direct aerosol chemical composition measurements to evaluate the physicochemical differences between controlled sea spray aerosol generation schemes. <i>Atmospheric Measurement Techniques</i> , <b>2014</b> , 7, 3667-3683	4	70
207	Classification of multiple types of organic carbon composition in atmospheric particles by scanning transmission X-ray microscopy analysis. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 9435-9451	5.3	69
206	Constraining the influence of natural variability to improve estimates of global aerosol indirect effects in a nudged version of the Community Atmosphere Model 5. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		68
205	Quantification of Carboxylic and Carbonyl Functional Groups in Organic Aerosol Infrared Absorbance Spectra. <i>Aerosol Science and Technology</i> , <b>2013</b> , 47, 310-325	3.4	68
204	Oxygenated organic functional groups and their sources in single and submicron organic particles in MILAGRO 2006 campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 6849-6863	6.8	68
203	Semivolatile POA and parameterized total combustion SOA in CMAQv5.2: impacts on source strength and partitioning. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 11107-11133	6.8	67

202	Effect of soluble surfactant on bubble persistence and bubble-produced aerosol particles. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 1388-1400	4.4	67
201	Hygroscopic behavior of aerosol particles from biomass fires using environmental transmission electron microscopy. <i>Journal of Atmospheric Chemistry</i> , <b>2007</b> , 56, 259-273	3.2	67
200	Primary marine aerosol-cloud interactions off the coast of California. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 4282-4303	4.4	66
199	Substantial Seasonal Contribution of Observed Biogenic Sulfate Particles to Cloud Condensation Nuclei. <i>Scientific Reports</i> , <b>2018</b> , 8, 3235	4.9	65
198	Oxidation of ketone groups in transported biomass burning aerosol from the 2008 Northern California Lightning Series fires. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 4142-4154	5.3	64
197	Organic and elemental carbon measurements during ACE-Asia suggest a longer atmospheric lifetime for elemental carbon. <i>Environmental Science &amp; Technology</i> , <b>2003</b> , 37, 3055-61	10.3	64
196	The Impact of Ship-Produced Aerosols on the Microstructure and Albedo of Warm Marine Stratocumulus Clouds: A Test of MAST Hypotheses 1i and 1ii. <i>Journals of the Atmospheric Sciences</i> , <b>2000</b> , 57, 2554-2569	2.1	64
195	Asymmetric Instrument Response Resulting from Mixing Effects in Accelerated DMA-CPC Measurements. <i>Aerosol Science and Technology</i> , <b>1995</b> , 23, 491-509	3.4	64
194	Arctic organic aerosol measurements show particles from mixed combustion in spring haze and from frost flowers in winter. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	63
193	Organic aerosol characterization by complementary measurements of chemical bonds and molecular fragments. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 6100-6105	5.3	63
192	Secondary organic aerosol formation from fossil fuel sources contribute majority of summertime organic mass at Bakersfield. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		62
191	Ship impacts on the marine atmosphere: insights into the contribution of shipping emissions to the properties of marine aerosol and clouds. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 8439-8458	6.8	62
190	Organic and inorganic aerosol below-cloud scavenging by suburban New Jersey precipitation. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 4793-800	10.3	60
189	Hygroscopic behavior of NaCl-bearing natural aerosol particles using environmental transmission electron microscopy. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		59
188	Methods for biogeochemical studies of sea ice: The state of the art, caveats, and recommendations. <i>Elementa</i> , <b>2015</b> , 3,	3.6	59
187	The North Atlantic Aerosol and Marine Ecosystem Study (NAAMES): Science Motive and Mission Overview. <i>Frontiers in Marine Science</i> , <b>2019</b> , 6,	4.5	58
186	Coatings and clusters of carboxylic acids in carbon-containing atmospheric particles from spectromicroscopy and their implications for cloud-nucleating and optical properties. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		56
185	Direct $\text{SO}_5$ reactivity measurements at a polluted coastal site. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 2959-2968	6.8	56

184	Particle Charging and Transmission Efficiencies of Aerosol Charge Neutralizers. <i>Aerosol Science and Technology</i> , <b>1997</b> , 27, 206-214	3.4	55
183	Evidence for Asian dust effects from aerosol plume measurements during INTEX-B 2006 near Whistler, BC. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 3523-3546	6.8	54
182	Light Absorption by Ambient Black and Brown Carbon and its Dependence on Black Carbon Coating State for Two California, USA, Cities in Winter and Summer. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 1550-1577	4.4	53
181	Ecosystem impacts of geoengineering: a review for developing a science plan. <i>Ambio</i> , <b>2012</b> , 41, 350-69	6.5	51
180	Impact of California's air pollution laws on black carbon and their implications for direct radiative forcing. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 1162-1167	5.3	51
179	Temperature response of the submicron organic aerosol from temperate forests. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 6696-6704	5.3	50
178	Modeling regional aerosol and aerosol precursor variability over California and its sensitivity to emissions and long-range transport during the 2010 CalNex and CARES campaigns. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 10013-10060	6.8	49
177	Molecular characterization of organic aerosol using nanospray desorption/electrospray ionization mass spectrometry: CalNex 2010 field study. <i>Atmospheric Environment</i> , <b>2013</b> , 68, 265-272	5.3	49
176	Ozone-driven daytime formation of secondary organic aerosol containing carboxylic acid groups and alkane groups. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 8321-8341	6.8	49
175	Formation and growth of ultrafine particles from secondary sources in Bakersfield, California. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		48
174	Hygroscopic behavior and liquid-layer composition of aerosol particles generated from natural and artificial seawater. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		48
173	Biogenic oxidized organic functional groups in aerosol particles from a mountain forest site and their similarities to laboratory chamber products. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 5075-5088	6.8	48
172	Insights into secondary organic aerosol formation mechanisms from measured gas/particle partitioning of specific organic tracer compounds. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 3781-7	10.3	47
171	Investigating organic aerosol loading in the remote marine environment. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 8847-8860	6.8	47
170	Biogenic and biomass burning organic aerosol in a boreal forest at Hyytiälä, Finland, during HUMPPA-COPEC 2010. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 12233-12256	6.8	46
169	Size- and Composition-Resolved Externally Mixed Aerosol Model. <i>Aerosol Science and Technology</i> , <b>1998</b> , 28, 403-416	3.4	45
168	Gas/particle partitioning of total alkyl nitrates observed with TD-LIF in Bakersfield. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 6651-6662	4.4	44
167	Water uptake characteristics of individual atmospheric particles having coatings. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 6225-6235	5.3	44

166	A molecular dynamics study of water mass accommodation on condensed phase water coated by fatty acid monolayers. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		43
165	Atmospheric sulfur cycling in the southeastern Pacific [longitudinal distribution, vertical profile, and diel variability observed during VOCALS-REx. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 5079-5097 <sup>6.8</sup>		43
164	Characterisation and airborne deployment of a new counterflow virtual impactor inlet. <i>Atmospheric Measurement Techniques</i> , <b>2012</b> , 5, 1259-1269	4	42
163	In situ aerosol-size distributions and clear-column radiative closure during ACE-2. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2000</b> , 52, 498-525	3.3	41
162	Light-enhanced primary marine aerosol production from biologically productive seawater. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 2661-2670	4.9	40
161	Organic aerosol effects on fog droplet spectra. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		39
160	Characterization of particle cloud droplet activity and composition in the free troposphere and the boundary layer during INTEX-B. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 6627-6644	6.8	38
159	Observations of Clouds, Aerosols, Precipitation, and Surface Radiation over the Southern Ocean: An Overview of CAPRICORN, MARCUS, MICRE, and SOCRATES. <i>Bulletin of the American Meteorological Society</i> , <b>2021</b> , 102, E894-E928	6.1	38
158	Burning of olive tree branches: a major organic aerosol source in the Mediterranean. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 8797-8811	6.8	37
157	In situ aerosol-size distributions and clear-column radiative closure during ACE-2. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2000</b> , 52, 498-525	3.3	37
156	Radially Classified Aerosol Detector for Aircraft-Based Submicron Aerosol Measurements. <i>Journal of Atmospheric and Oceanic Technology</i> , <b>1996</b> , 13, 598-609	2	37
155	Organic constituents on the surfaces of aerosol particles from Southern Finland, Amazonia, and California studied by vibrational sum frequency generation. <i>Journal of Physical Chemistry A</i> , <b>2012</b> , 116, 8271-90	2.8	36
154	Surface tensions in NaCl-water-air systems from MD simulations. <i>Journal of Physical Chemistry B</i> , <b>2007</b> , 111, 11989-96	3.4	36
153	A Case Study of Ships Forming and Not Forming Tracks in Moderately Polluted Clouds. <i>Journals of the Atmospheric Sciences</i> , <b>2000</b> , 57, 2729-2747	2.1	33
152	Aerosol dynamics in ship tracks. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 31077-31095		33
151	Organic functional groups in the submicron aerosol at 82.5°N, 62.5°W from 2012 to 2014. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 3269-3287	6.8	32
150	Single-particle oxidation state and morphology of atmospheric iron aerosols. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113,		32
149	Submicron organic aerosol in Tijuana, Mexico, from local and Southern California sources during the CalMex campaign. <i>Atmospheric Environment</i> , <b>2013</b> , 70, 500-512	5.3	31



148	Chemical and toxicological evolution of carbon nanotubes during atmospherically relevant aging processes. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 2806-14	10.3	30
147	Physical and chemical properties of the regional mixed layer of Mexico's Megapolis. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 5711-5727	6.8	30
146	Effect of Surface Tension from MD Simulations on Size-Dependent Deliquescence of NaCl Nanoparticles. <i>Aerosol Science and Technology</i> , <b>2008</b> , 42, 369-376	3.4	30
145	Cloud albedo increase from carbonaceous aerosol. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 7669-7684	6.8	29
144	Organic particle types by single-particle measurements using a time-of-flight aerosol mass spectrometer coupled with a light scattering module. <i>Atmospheric Measurement Techniques</i> , <b>2013</b> , 6, 187-197	4	28
143	Phenol groups in northeastern U.S. submicrometer aerosol particles produced from seawater sources. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 2542-8	10.3	28
142	Climatology of PM <sub>2.5</sub> organic carbon concentrations from a review of ground-based atmospheric measurements by evolved gas analysis. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 1591-1602	5.3	28
141	Coupled ocean-atmosphere loss of marine refractory dissolved organic carbon. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 2765-2772	4.9	27
140	Hygroscopic properties of smoke-generated organic aerosol particles emitted in the marine atmosphere. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 9819-9835	6.8	27
139	Contrasting organic aerosol particles from boreal and tropical forests during HUMPPA-COPEC-2010 and AMAZE-08 using coherent vibrational spectroscopy. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 10317-10329	6.8	27
138	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> , <b>2000</b> , 52, 290-320	3.3	27
137	AEROSOL-CLOUD-METEOROLOGY INTERACTION AIRBORNE FIELD INVESTIGATIONS: Using Lessons Learned from the U.S. West Coast in the Design of ACTIVATE off the U.S. East Coast. <i>Bulletin of the American Meteorological Society</i> , <b>2019</b> , 100, 1511-1528	6.1	26
136	Measurements of submicron aerosols at the California-Mexico border during the CalMex 2010 field campaign. <i>Atmospheric Environment</i> , <b>2014</b> , 88, 308-319	5.3	26
135	Prospects for simulating macromolecular surfactant chemistry at the ocean-atmosphere boundary. <i>Environmental Research Letters</i> , <b>2014</b> , 9, 064012	6.2	26
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34	The summertime Boreal forest field measurement intensive (HUMPPA-COPEC-2010): an overview of meteorological and chemical influences		3
33	Organic functional groups in aerosol particles from burning and non-burning forest emissions at a high-elevation mountain site		3
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20	Size-resolved observations of refractory black carbon particles in cloud droplets at a marine boundary layer site		2
19	Comparison of methods of functional group analysis using results from laboratory and field aerosol measurements. <i>Aerosol Science and Technology</i> , <b>2021</b> , 55, 1042-1058	3.4	2
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16	Sea spray aerosol organic enrichment, water uptake and surface tension effects <b>2019</b> ,		1
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14	ARCTIC AND ANTARCTIC   Arctic Haze <b>2015</b> , 116-121		1
13	Predicting Frigid Mixed-Phase Clouds for Pristine Coastal Antarctica. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2021</b> , 126, e2021JD035112	4.4	1
12	Characterization of particle cloud droplet activity and composition in the free troposphere and the boundary layer during INTEX-B		1
11	Biogenic oxidized organic functional groups in aerosol particles from a mountain forest site and their similarities to laboratory chamber products		1
10	Contrasting organic aerosol particles from boreal and tropical forests during HUMPPA-COPEC-2010 and AMAZE-08 using coherent vibrational spectroscopy		1
9	Ship impacts on the marine atmosphere: insights into the contribution of shipping emissions to the properties of marine aerosol and clouds		1
8	Hygroscopic properties of organic aerosol particles emitted in the marine atmosphere		1
7	Biogenic and biomass burning organic aerosol in a boreal forest at Hyytiälä Finland, during HUMPPA-COPEC 2010		1
6	Precipitation effects of giant cloud condensation nuclei artificially introduced into stratocumulus clouds		1
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