

Lynn M Russell

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.

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 | Dual-field-of-view high-spectral-resolution lidar: Simultaneous profiling of aerosol and water cloud to study aerosol-cloud interaction.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2110756119 | 11.5 | 3 |
| 272 | 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 | 6.8 | 0 |
| 271 | Predicting Frigid Mixed-Phase Clouds for Pristine Coastal Antarctica. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2021JD035112 | 4.4 | 1 |
| 270 | Cloud-Nucleating Particles Over the Southern Ocean in a Changing Climate. <i>Earth's Future</i> , 2021 , 9, e2020EF001673 | 9.5 | 1673 |
| 269 | Measurement report: Cloud processes and the transport of biological emissions affect southern ocean particle and cloud condensation nuclei concentrations. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 3427-3446 | 6.8 | 12 |
| 268 | 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> , 2021 , 102, E894-E928 | 6.1 | 38 |
| 267 | Comparison of methods of functional group analysis using results from laboratory and field aerosol measurements. <i>Aerosol Science and Technology</i> , 2021 , 55, 1042-1058 | 3.4 | 2 |
| 266 | Organic composition of three different size ranges of aerosol particles over the Southern Ocean. <i>Aerosol Science and Technology</i> , 2021 , 55, 268-288 | 3.4 | 3 |
| 265 | Linking marine phytoplankton emissions, meteorological processes, and downwind particle properties with FLEXPART. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 831-851 | 6.8 | 2 |
| 264 | Factors controlling marine aerosol size distributions and their climate effects over the northwest Atlantic Ocean region. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 1889-1916 | 6.8 | 5 |
| 263 | Seasonal Differences in Submicron Marine Aerosol Particle Organic Composition in the North Atlantic. <i>Frontiers in Marine Science</i> , 2021 , 8, | 4.5 | 3 |
| 262 | Nonturbulent Liquid-Bearing Polar Clouds: Observed Frequency of Occurrence and Simulated Sensitivity to Gravity Waves. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL087099 | 4.9 | 8 |
| 261 | Ice Nucleation by Marine Aerosols Over the North Atlantic Ocean in Late Spring. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD030913 | 4.4 | 15 |
| 260 | AWARE: The Atmospheric Radiation Measurement (ARM) West Antarctic Radiation Experiment. <i>Bulletin of the American Meteorological Society</i> , 2020 , 101, E1069-E1091 | 6.1 | 23 |
| 259 | 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 | 6.8 | 2 |
| 258 | Sea spray aerosol organic enrichment, water uptake and surface tension effects. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 7955-7977 | 6.8 | 18 |
| 257 | 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 | 4.9 | 19 |

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| 256 | Measured Constraints on Cloud Top Entrainment to Reduce Uncertainty of Nonprecipitating Stratocumulus Shortwave Radiative Forcing in the Southern Ocean. <i>Geophysical Research Letters</i> , 2020 , 47, e2020GL090513 | 4.9 | 1 |
| 255 | 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 | 4.4 | 14 |
| 254 | 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> , 2019 , 124, 1550-1577 | 4.4 | 53 |
| 253 | 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 | 11.5 | 23 |
| 252 | The North Atlantic Aerosol and Marine Ecosystem Study (NAAMES): Science Motive and Mission Overview. <i>Frontiers in Marine Science</i> , 2019 , 6, | 4.5 | 58 |
| 251 | 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> , 2019 , 100, 1511-1528 | 6.1 | 26 |
| 250 | Overview paper: New insights into aerosol and climate in the Arctic. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 2527-2560 | 6.8 | 85 |
| 249 | An examination of the algorithm for estimating light extinction from IMPROVE particle speciation data. <i>Atmospheric Environment</i> , 2019 , 214, 116880 | 5.3 | 4 |
| 248 | Influences of Primary Emission and Secondary Coating Formation on the Particle Diversity and Mixing State of Black Carbon Particles. <i>Environmental Science & Technology</i> , 2019 , 53, 9429-9438 | 10.3 | 6 |
| 247 | Sea spray aerosol organic enrichment, water uptake and surface tension effects 2019 , | | 1 |
| 246 | Comparing black and brown carbon absorption from AERONET and surface measurements at wintertime Fresno. <i>Atmospheric Environment</i> , 2019 , 199, 164-176 | 5.3 | 15 |
| 245 | Influence of Emissions and Aqueous Processing on Particles Containing Black Carbon in a Polluted Urban Environment: Insights From a Soot Particle-Aerosol Mass Spectrometer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 6648-6666 | 4.4 | 23 |
| 244 | Substantial Seasonal Contribution of Observed Biogenic Sulfate Particles to Cloud Condensation Nuclei. <i>Scientific Reports</i> , 2018 , 8, 3235 | 4.9 | 65 |
| 243 | Organic functional groups in the submicron aerosol at 82.5°N, 62.5°W from 2012 to 2014. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 3269-3287 | 6.8 | 32 |
| 242 | Larger Submicron Particles for Emissions With Residential Burning in Wintertime San Joaquin Valley (Fresno) than for Vehicle Combustion in Summertime South Coast Air Basin (Fontana). <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 10,526 | 4.4 | 9 |
| 241 | Organic Aerosol Particle Chemical Properties Associated With Residential Burning and Fog in Wintertime San Joaquin Valley (Fresno) and With Vehicle and Firework Emissions in Summertime South Coast Air Basin (Fontana). <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 10,707 | 4.4 | 17 |
| 240 | Does Marine Surface Tension Have Global Biogeography? Addition for the OCEANFILMS Package. <i>Atmosphere</i> , 2018 , 9, 216 | 2.7 | 5 |
| 239 | Regional Similarities and NO-related Increases in Biogenic Secondary Organic Aerosol in Summertime Southeastern U.S. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 10620-10636 | 4.4 | 12 |

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| 238 | Using CALIOP to estimate cloud-field base height and its uncertainty: the Cloud Base Altitude Spatial Extrapolator (CBASE) algorithm and dataset. <i>Earth System Science Data</i> , 2018 , 10, 2279-2293 | 10.5 | 13 |
| 237 | High summertime aerosol organic functional group concentrations from marine and seabird sources at Ross Island, Antarctica, during AWARE. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 8571-8587 | 6.8 | 22 |
| 236 | New insights into aerosol and climate in the Arctic 2018 , | | 3 |
| 235 | Hydroxyl radical formation and soluble trace metal content in particulate matter from renewable diesel and ultra low sulfur diesel in at-sea operations of a research vessel. <i>Aerosol Science and Technology</i> , 2017 , 51, 147-158 | 3.4 | 21 |
| 234 | More unsaturated, cooking-type hydrocarbon-like organic aerosol particle emissions from renewable diesel compared to ultra low sulfur diesel in at-sea operations of a research vessel. <i>Aerosol Science and Technology</i> , 2017 , 51, 135-146 | 3.4 | 11 |
| 233 | 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 & Technology</i> , 2017 , 51, 6542-6552 | 10.3 | 132 |
| 232 | Dust-wind interactions can intensify aerosol pollution over eastern China. <i>Nature Communications</i> , 2017 , 8, 15333 | 17.4 | 81 |
| 231 | January 2016 extensive summer melt in West Antarctica favoured by strong El Niño. <i>Nature Communications</i> , 2017 , 8, 15799 | 17.4 | 86 |
| 230 | Top-down and Bottom-up aerosol-cloud-closure: towards understanding sources of uncertainty in deriving cloud radiative flux 2017 , | | 1 |
| 229 | Impacts of interactive dust and its direct radiative forcing on interannual variations of temperature and precipitation in winter over East Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 8761-8780 | 4.4 | 12 |
| 228 | Observational evidence for pollution-influenced selective uptake contributing to biogenic secondary organic aerosols in the southeastern U.S.. <i>Geophysical Research Letters</i> , 2017 , 44, 8056-8064 | 4.9 | 12 |
| 227 | Lower NO _x but higher particle and black carbon emissions from renewable diesel compared to ultra low sulfur diesel in at-sea operations of a research vessel. <i>Aerosol Science and Technology</i> , 2017 , 51, 123-134 | 3.4 | 12 |
| 226 | 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, 11,961-11,990 | 4.4 | 17 |
| 225 | Modeling the diurnal variability of agricultural ammonia in Bakersfield, California, during the CalNex campaign. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 2721-2739 | 6.8 | 11 |
| 224 | Semivolatile POA and parameterized total combustion SOA in CMAQv5.2: impacts on source strength and partitioning. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 11107-11133 | 6.8 | 67 |
| 223 | Formation of secondary organic aerosol coating on black carbon particles near vehicular emissions. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 15055-15067 | 6.8 | 19 |
| 222 | Top-down and bottom-up aerosol-cloud closure: towards understanding sources of uncertainty in deriving cloud shortwave radiative flux. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 9797-9814 | 6.8 | 13 |
| 221 | Formation of secondary organic aerosol coating on black carbon particles near vehicular emissions 2017 , | | 1 |

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| 220 | Interannual modulation of subtropical Atlantic boreal summer dust variability by ENSO. <i>Climate Dynamics</i> , 2016 , 46, 585-599 | 4.2 | 19 |
| 219 | Ambient observations of sub-1.0 hygroscopic growth factor and (RH) values: Case studies from surface and airborne measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 661-677 | 4.4 | 18 |
| 218 | Impacts of ENSO events on cloud radiative effects in preindustrial conditions: Changes in cloud fraction and their dependence on interactive aerosol emissions and concentrations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 6321-6335 | 4.4 | 15 |
| 217 | DMS role in ENSO cycle in the tropics. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 13,537 | 4.4 | 8 |
| 216 | Rain-aerosol relationships influenced by wind speed. <i>Geophysical Research Letters</i> , 2016 , 43, 2267-2274 | 4.9 | 9 |
| 215 | Coupled ocean-atmosphere loss of marine refractory dissolved organic carbon. <i>Geophysical Research Letters</i> , 2016 , 43, 2765-2772 | 4.9 | 27 |
| 214 | Planning the Next Decade of Coordinated Research to Better Understand and Simulate Marine Low Clouds. <i>Bulletin of the American Meteorological Society</i> , 2016 , 97, 1699-1702 | 6.1 | 12 |
| 213 | Meteorological and aerosol effects on marine cloud microphysical properties. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 4142-4161 | 4.4 | 16 |
| 212 | Potential sea salt aerosol sources from frost flowers in the pan-Arctic region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 10,840-10,856 | 4.4 | 13 |
| 211 | Changes in Sea Salt Emissions Enhance ENSO Variability. <i>Journal of Climate</i> , 2016 , 29, 8575-8588 | 4.4 | 11 |
| 210 | Impacts of the East Asian Monsoon on springtime dust concentrations over China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 8137-8152 | 4.4 | 12 |
| 209 | Global distribution and surface activity of macromolecules in offline simulations of marine organic chemistry. <i>Biogeochemistry</i> , 2015 , 126, 25-56 | 3.8 | 11 |
| 208 | Atmospheric science: Sea-spray particles cause freezing in clouds. <i>Nature</i> , 2015 , 525, 194-5 | 5.4 | 5 |
| 207 | Primary marine aerosol-cloud interactions off the coast of California. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 4282-4303 | 4.4 | 66 |
| 206 | Precipitation effects of giant cloud condensation nuclei artificially introduced into stratocumulus clouds. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 5645-5658 | 6.8 | 22 |
| 205 | Size-resolved observations of refractory black carbon particles in cloud droplets at a marine boundary layer site. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 1367-1383 | 6.8 | 19 |
| 204 | Interannual to decadal climate variability of sea salt aerosols in the coupled climate model CESM1.0. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 1502-1519 | 4.4 | 13 |
| 203 | ARCTIC AND ANTARCTIC Arctic Haze 2015 , 116-121 | | 1 |

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| 202 | Chemical and toxicological evolution of carbon nanotubes during atmospherically relevant aging processes. <i>Environmental Science & Technology</i> , 2015 , 49, 2806-14 | 10.3 | 30 |
| 201 | Methods for biogeochemical studies of sea ice: The state of the art, caveats, and recommendations. <i>Elementa</i> , 2015 , 3, | 3.6 | 59 |
| 200 | Diesel vehicle and urban burning contributions to black carbon concentrations and size distributions in Tijuana, Mexico, during the Cal-Mex 2010 campaign. <i>Atmospheric Environment</i> , 2014 , 88, 341-352 | 5.3 | 12 |
| 199 | Measurements of submicron aerosols at the California-Mexico border during the Cal-Mex 2010 field campaign. <i>Atmospheric Environment</i> , 2014 , 88, 308-319 | 5.3 | 26 |
| 198 | Estimated contributions of primary and secondary organic aerosol from fossil fuel combustion during the CalNex and Cal-Mex campaigns. <i>Atmospheric Environment</i> , 2014 , 88, 330-340 | 5.3 | 20 |
| 197 | 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 | 3.4 | 21 |
| 196 | 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> , 2014 , 119, 11,743-11,759 | 4.4 | 95 |
| 195 | Cloud partitioning of isocyanic acid (HNCO) and evidence of secondary source of HNCO in ambient air. <i>Geophysical Research Letters</i> , 2014 , 41, 6962-6969 | 4.9 | 21 |
| 194 | Investigating impacts of forest fires in Alaska and western Canada on regional weather over the northeastern United States using CAM5 global simulations to constrain transport to a WRF-Chem regional domain. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 7515-7536 | 4.4 | 9 |
| 193 | Sources and composition of submicron organic mass in marine aerosol particles. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 12,977-13,003 | 4.4 | 81 |
| 192 | Semidirect dynamical and radiative effect of North African dust transport on lower tropospheric clouds over the subtropical North Atlantic in CESM 1.0. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 8284-8303 | 4.4 | 4 |
| 191 | The AeroCom evaluation and intercomparison of organic aerosol in global models. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 10845-10895 | 6.8 | 280 |
| 190 | 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> , 2014 , 14, 10013-10060 | 6.8 | 49 |
| 189 | A physically based framework for modeling the organic fractionation of sea spray aerosol from bubble film Langmuir equilibria. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 13601-13629 | 6.8 | 93 |
| 188 | Fog scavenging of organic and inorganic aerosol in the Po Valley. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 6967-6981 | 6.8 | 80 |
| 187 | Light-enhanced primary marine aerosol production from biologically productive seawater. <i>Geophysical Research Letters</i> , 2014 , 41, 2661-2670 | 4.9 | 40 |
| 186 | Prospects for simulating macromolecular surfactant chemistry at the ocean-atmosphere boundary. <i>Environmental Research Letters</i> , 2014 , 9, 064012 | 6.2 | 26 |
| 185 | Contribution of sea surface carbon pool to organic matter enrichment in sea spray aerosol. <i>Nature Geoscience</i> , 2014 , 7, 228-232 | 18.3 | 167 |

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| 184 | Carbonaceous Particles: Source-Based Characterization of Their Formation, Composition, and Structures 2014 , 291-316 | | 2 |
| 183 | Direct aerosol chemical composition measurements to evaluate the physicochemical differences between controlled sea spray aerosol generation schemes 2014 , | | 3 |
| 182 | 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 |
| 181 | Dependence of Real Refractive Indices on O:C, H:C and Mass Fragments of Secondary Organic Aerosol Generated from Ozonolysis and Photooxidation of Limonene and Pinene. <i>Aerosol Science and Technology</i> , 2014 , 48, 498-507 | 3-4 | 25 |
| 180 | Molecular characterization of organic aerosol using nanospray desorption/electrospray ionization mass spectrometry: CalNex 2010 field study. <i>Atmospheric Environment</i> , 2013 , 68, 265-272 | 5-3 | 49 |
| 179 | Observational insights into aerosol formation from isoprene. <i>Environmental Science & Technology</i> , 2013 , 47, 11403-13 | 10-3 | 95 |
| 178 | Measurements of formaldehyde at the U.S.-Mexico border during the Cal-Mex 2010 air quality study. <i>Atmospheric Environment</i> , 2013 , 70, 513-520 | 5-3 | 19 |
| 177 | Insights into secondary organic aerosol formation mechanisms from measured gas/particle partitioning of specific organic tracer compounds. <i>Environmental Science & Technology</i> , 2013 , 47, 3781-7 | 10-3 | 47 |
| 176 | Probing molecular associations of field-collected and laboratory-generated SOA with nano-DESI high-resolution mass spectrometry. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 1042-1051 | 4-4 | 17 |
| 175 | Submicron organic aerosol in Tijuana, Mexico, from local and Southern California sources during the CalMex campaign. <i>Atmospheric Environment</i> , 2013 , 70, 500-512 | 5-3 | 31 |
| 174 | Sources of organic aerosol investigated using organic compounds as tracers measured during CalNex in Bakersfield. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 11,388-11,398 | 4-4 | 21 |
| 173 | Quantification of Carboxylic and Carbonyl Functional Groups in Organic Aerosol Infrared Absorbance Spectra. <i>Aerosol Science and Technology</i> , 2013 , 47, 310-325 | 3-4 | 68 |
| 172 | Gas/particle partitioning of total alkyl nitrates observed with TD-LIF in Bakersfield. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 6651-6662 | 4-4 | 44 |
| 171 | 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> , 2013 , 6, 187-197 | 4 | 28 |
| 170 | Eastern Pacific Emitted Aerosol Cloud Experiment. <i>Bulletin of the American Meteorological Society</i> , 2013 , 94, 709-729 | 6-1 | 71 |
| 169 | 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 |
| 168 | Similarities in STXM-NEXAFS Spectra of Atmospheric Particles and Secondary Organic Aerosol Generated from Glyoxal, Pinene, Isoprene, 1,2,4-Trimethylbenzene, and d-Limonene. <i>Aerosol Science and Technology</i> , 2013 , 47, 543-555 | 3-4 | 6 |
| 167 | Burning of olive tree branches: a major organic aerosol source in the Mediterranean. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 8797-8811 | 6-8 | 37 |

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| 166 | In situ submicron organic aerosol characterization at a boreal forest research station during HUMPPA-COPEC 2010 using soft and hard ionization mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 10933-10950 | 6.8 | 22 |
| 165 | Biogenic and biomass burning organic aerosol in a boreal forest at Hyytiö Finland, during HUMPPA-COPEC 2010. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 12233-12256 | 6.8 | 46 |
| 164 | Temperature-dependent accumulation mode particle and cloud nuclei concentrations from biogenic sources during WACS 2010. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 3393-3407 | 6.8 | 13 |
| 163 | Hygroscopic properties of smoke-generated organic aerosol particles emitted in the marine atmosphere. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 9819-9835 | 6.8 | 27 |
| 162 | Frost flower aerosol effects on Arctic wintertime longwave cloud radiative forcing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 13,282-13,291 | 4.4 | 16 |
| 161 | Organic aerosol composition and sources in Pasadena, California, during the 2010 CalNex campaign. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 9233-9257 | 4.4 | 201 |
| 160 | Effect of soluble surfactant on bubble persistence and bubble-produced aerosol particles. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 1388-1400 | 4.4 | 67 |
| 159 | Evidence for NO(x) control over nighttime SOA formation. <i>Science</i> , 2012 , 337, 1210-2 | 33.3 | 200 |
| 158 | Removal of sea salt hydrate water from seawater-derived samples by dehydration. <i>Environmental Science & Technology</i> , 2012 , 46, 13326-33 | 10.3 | 15 |
| 157 | Characterizing the aging of biomass burning organic aerosol by use of mixing ratios: a meta-analysis of four regions. <i>Environmental Science & Technology</i> , 2012 , 46, 13093-102 | 10.3 | 93 |
| 156 | Organosulfates as tracers for secondary organic aerosol (SOA) formation from 2-methyl-3-buten-2-ol (MBO) in the atmosphere. <i>Environmental Science & Technology</i> , 2012 , 46, 9437-46 | 10.3 | 109 |
| 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> , 2012 , 116, 8271-90 | 2.8 | 36 |
| 154 | Effects on precipitation, clouds, and temperature from long-range transport of idealized aerosol plumes in WRF-Chem simulations. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a | | 6 |
| 153 | Formation and growth of ultrafine particles from secondary sources in Bakersfield, California. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a | | 48 |
| 152 | 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 |
| 151 | Changing polar environments: Interdisciplinary challenges. <i>Eos</i> , 2012 , 93, 117-118 | 1.5 | 8 |
| 150 | Measurements of ocean derived aerosol off the coast of California. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a | | 84 |
| 149 | Secondary organic aerosol formation from fossil fuel sources contribute majority of summertime organic mass at Bakersfield. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a | | 62 |

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| 148 | 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> , 2012 , 117, n/a-n/a | | 68 |
| 147 | Ecosystem impacts of geoengineering: a review for developing a science plan. <i>Ambio</i> , 2012 , 41, 350-69 | 6.5 | 51 |
| 146 | Organic particle types by single-particle measurements using a time-of-flight aerosol mass spectrometer coupled with a light scattering module 2012 , | | 2 |
| 145 | Characterisation and airborne deployment of a new counterflow virtual impactor inlet. <i>Atmospheric Measurement Techniques</i> , 2012 , 5, 1259-1269 | 4 | 42 |
| 144 | Cloud Properties over the North Slope of Alaska: Identifying the Prevailing Meteorological Regimes. <i>Journal of Climate</i> , 2012 , 25, 8238-8258 | 4.4 | 14 |
| 143 | Characterization and airborne deployment of a new counterflow virtual impactor inlet 2012 , | | 6 |
| 142 | Hydrolysis of Organonitrate Functional Groups in Aerosol Particles. <i>Aerosol Science and Technology</i> , 2012 , 46, 1359-1369 | 3.4 | 126 |
| 141 | A resilience view on reframing geoengineering research and implementation. <i>Carbon Management</i> , 2012 , 3, 23-25 | 3.3 | |
| 140 | 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> , 2012 , 109, 18318-23 | 11.5 | 322 |
| 139 | First measurements of reactive dicarbonyl concentrations on PM _{2.5} aerosol over the Boreal forest in Finland during HUMPPA-COPEC 2010 (source apportionment and links to aerosol aging. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 6145-6155 | 6.8 | 12 |
| 138 | Direct N ₂ O reactivity measurements at a polluted coastal site. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 2959-2968 | 6.8 | 56 |
| 137 | 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> , 2012 , 12, 3147-3163 | 6.8 | 106 |
| 136 | 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> , 2012 , 12, 8439-8458 | 6.8 | 62 |
| 135 | A molecular dynamics study of water mass accommodation on condensed phase water coated by fatty acid monolayers. <i>Journal of Geophysical Research</i> , 2011 , 116, | | 43 |
| 134 | Springtime Arctic haze contributions of submicron organic particles from European and Asian combustion sources. <i>Journal of Geophysical Research</i> , 2011 , 116, | | 90 |
| 133 | South East Pacific atmospheric composition and variability sampled along 20°S during VOCALS-Rex. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 5237-5262 | 6.8 | 105 |
| 132 | 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> , 2011 , 11, 6367-6386 | 6.8 | 72 |
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| 23 | The VAMOS Ocean-Cloud-Atmosphere-Land Study Regional Experiment (VOCALS-REx): goals, platforms, and field operations | | 13 |

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| 22 | Characterization of particle cloud droplet activity and composition in the free troposphere and the boundary layer during INTEX-B | 1 |
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| 16 | Exploring the vertical profile of atmospheric organic aerosol: comparing 17 aircraft field campaigns with a global model | 6 |
| 15 | Organic functional groups in aerosol particles from burning and non-burning forest emissions at a high-elevation mountain site | 3 |
| 14 | Ozone-driven photochemical formation of carboxylic acid groups from alkane groups | 3 |
| 13 | Ship impacts on the marine atmosphere: insights into the contribution of shipping emissions to the properties of marine aerosol and clouds | 1 |
| 12 | Hygroscopic properties of organic aerosol particles emitted in the marine atmosphere | 1 |
| 11 | Biogenic and biomass burning organic aerosol in a boreal forest at Hyytiö, Finland, during HUMPPA-COPEC 2010 | 1 |
| 10 | Burning of olive tree branches: a major organic aerosol source in the Mediterranean | 5 |
| 9 | Size-resolved observations of refractory black carbon particles in cloud droplets at a marine boundary layer site | 2 |
| 8 | Fog scavenging of organic and inorganic aerosol in the Po Valley | 3 |
| 7 | A physically-based framework for modelling the organic fractionation of sea spray aerosol from bubble film Langmuir equilibria | 8 |
| 6 | The AeroCom evaluation and intercomparison of organic aerosol in global models | 11 |
| 5 | Precipitation effects of giant cloud condensation nuclei artificially introduced into stratocumulus clouds | 1 |

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| 3 | Evolution of anthropogenic pollution at the top of the regional mixed layer in the central Mexico plateau | 4 |
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| 1 | Characterization of organic ambient aerosol during MIRAGE 2006 on three platforms | 5 |