

Darius Ceburnis

List of Publications by Citations

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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.

134
papers

7,000
citations

43
h-index

82
g-index

155
ext. papers

8,016
ext. citations

7.3
avg, IF

5.23
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 134 | Biogenically driven organic contribution to marine aerosol. <i>Nature</i> , 2004 , 431, 676-80 | 50.4 | 761 |
| 133 | Primary submicron marine aerosol dominated by insoluble organic colloids and aggregates. <i>Geophysical Research Letters</i> , 2008 , 35, | 4.9 | 329 |
| 132 | Minimizing light absorption measurement artifacts of the Aethalometer: evaluation of five correction algorithms. <i>Atmospheric Measurement Techniques</i> , 2010 , 3, 457-474 | 4 | 326 |
| 131 | Important source of marine secondary organic aerosol from biogenic amines. <i>Environmental Science & Technology</i> , 2008 , 42, 9116-21 | 10.3 | 295 |
| 130 | Advances in characterization of size-resolved organic matter in marine aerosol over the North Atlantic. <i>Journal of Geophysical Research</i> , 2004 , 109, | | 287 |
| 129 | Organic aerosol components derived from 25 AMS data sets across Europe using a consistent ME-2 based source apportionment approach. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 6159-6176 | 6.8 | 232 |
| 128 | EUCAARI ion spectrometer measurements at 12 European sites: Analysis of new particle formation events. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 7907-7927 | 6.8 | 204 |
| 127 | Seasonal characteristics of the physicochemical properties of North Atlantic marine atmospheric aerosols. <i>Journal of Geophysical Research</i> , 2007 , 112, | | 173 |
| 126 | Surface tension prevails over solute effect in organic-influenced cloud droplet activation. <i>Nature</i> , 2017 , 546, 637-641 | 50.4 | 162 |
| 125 | Global scale emission and distribution of sea-spray aerosol: Sea-salt and organic enrichment. <i>Atmospheric Environment</i> , 2010 , 44, 670-677 | 5.3 | 161 |
| 124 | A combined organic-inorganic sea-spray source function. <i>Geophysical Research Letters</i> , 2008 , 35, | 4.9 | 156 |
| 123 | Molecular-scale evidence of aerosol particle formation via sequential addition of HIO. <i>Nature</i> , 2016 , 537, 532-534 | 50.4 | 155 |
| 122 | Primary and Secondary Organic Marine Aerosol and Oceanic Biological Activity: Recent Results and New Perspectives for Future Studies. <i>Advances in Meteorology</i> , 2010 , 2010, 1-10 | 1.7 | 149 |
| 121 | Elemental and organic carbon in PM ₁₀ : a one year measurement campaign within the European Monitoring and Evaluation Programme EMEP. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 5711-5725 | 6.8 | 146 |
| 120 | Wind speed dependent size-resolved parameterization for the organic mass fraction of sea spray aerosol. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 8777-8790 | 6.8 | 130 |
| 119 | Conifer needles as biomonitors of atmospheric heavy metal deposition: comparison with mosses and precipitation, role of the canopy. <i>Atmospheric Environment</i> , 2000 , 34, 4265-4271 | 5.3 | 121 |
| 118 | Contribution of feldspar and marine organic aerosols to global ice nucleating particle concentrations. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 3637-3658 | 6.8 | 107 |

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| 117 | Detecting high contributions of primary organic matter to marine aerosol: A case study. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a | 4.9 | 100 |
| 116 | Primary marine organic aerosol: A dichotomy of low hygroscopicity and high CCN activity. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a | 4.9 | 100 |
| 115 | Study of water-soluble atmospheric humic matter in urban and marine environments. <i>Atmospheric Research</i> , 2008 , 87, 1-12 | 5.4 | 97 |
| 114 | Quantification of the carbonaceous matter origin in submicron marine aerosol by $\delta^{13}\text{C}$ and $\delta^{14}\text{C}$ isotope analysis. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 8593-8606 | 6.8 | 96 |
| 113 | A sea spray aerosol flux parameterization encapsulating wave state. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 1837-1852 | 6.8 | 88 |
| 112 | On the effect of wind speed on submicron sea salt mass concentrations and source fluxes. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a | | 84 |
| 111 | Marine aerosol chemistry gradients: Elucidating primary and secondary processes and fluxes. <i>Geophysical Research Letters</i> , 2008 , 35, n/a-n/a | 4.9 | 82 |
| 110 | Significant enhancement of aerosol optical depth in marine air under high wind conditions. <i>Geophysical Research Letters</i> , 2008 , 35, | 4.9 | 82 |
| 109 | Is chlorophyll-a the best surrogate for organic matter enrichment in submicron primary marine aerosol?. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 4964-4973 | 4.4 | 78 |
| 108 | Primary and secondary marine organic aerosols over the North Atlantic Ocean during the MAP experiment. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a | | 77 |
| 107 | Global Modeling of the Oceanic Source of Organic Aerosols. <i>Advances in Meteorology</i> , 2010 , 2010, 1-16 | 1.7 | 74 |
| 106 | Marine and Terrestrial Organic Ice-Nucleating Particles in Pristine Marine to Continentally Influenced Northeast Atlantic Air Masses. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 6196-6212 | 4.4 | 72 |
| 105 | Evidence of a natural marine source of oxalic acid and a possible link to glyoxal. <i>Journal of Geophysical Research</i> , 2011 , 116, | | 72 |
| 104 | Variation of the mixing state of Saharan dust particles with atmospheric transport. <i>Atmospheric Environment</i> , 2010 , 44, 3135-3146 | 5.3 | 64 |
| 103 | Characteristic features of air ions at Mace Head on the west coast of Ireland. <i>Atmospheric Research</i> , 2008 , 90, 278-286 | 5.4 | 62 |
| 102 | Investigation of absolute metal uptake efficiency from precipitation in moss. <i>Science of the Total Environment</i> , 1999 , 226, 247-53 | 10.2 | 61 |
| 101 | Major component composition of urban PM10 and PM2.5 in Ireland. <i>Atmospheric Research</i> , 2005 , 78, 149-165 | 5.4 | 60 |
| 100 | Connecting marine productivity to sea-spray via nanoscale biological processes: Phytoplankton Dance or Death Disco?. <i>Scientific Reports</i> , 2015 , 5, 14883 | 4.9 | 58 |

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|----|---|-----|----|
| 99 | Aerosol properties associated with air masses arriving into the North East Atlantic during the 2008 Mace Head EUCAARI intensive observing period: an overview. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 8413-8435 | 6.8 | 56 |
| 98 | Characterization of urban aerosol in Cork city (Ireland) using aerosol mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 4997-5015 | 6.8 | 55 |
| 97 | Submicron NE Atlantic marine aerosol chemical composition and abundance: Seasonal trends and air mass categorization. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 11,850-11,863 | 4.4 | 51 |
| 96 | Lessons learnt from the first EMEP intensive measurement periods. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 8073-8094 | 6.8 | 48 |
| 95 | Aerosol analysis and forecast in the European Centre for Medium-Range Weather Forecasts Integrated Forecast System: 3. Evaluation by means of case studies. <i>Journal of Geophysical Research</i> , 2011 , 116, | | 46 |
| 94 | Transfer of labile organic matter and microbes from the ocean surface to the marine aerosol: an experimental approach. <i>Scientific Reports</i> , 2017 , 7, 11475 | 4.9 | 45 |
| 93 | Primary emissions versus secondary formation of fine particulate matter in the most polluted city (Shijiazhuang) in North China. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 2283-2298 | 6.8 | 43 |
| 92 | Antarctic sea ice region as a source of biogenic organic nitrogen in aerosols. <i>Scientific Reports</i> , 2017 , 7, 6047 | 4.9 | 43 |
| 91 | Light-absorbing carbon in Europe [measurement and modelling, with a focus on residential wood combustion emissions. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 8719-8738 | 6.8 | 43 |
| 90 | Summertime Primary and Secondary Contributions to Southern Ocean Cloud Condensation Nuclei. <i>Scientific Reports</i> , 2018 , 8, 13844 | 4.9 | 43 |
| 89 | Geochemistry of PM ₁₀ over Europe during the EMEP intensive measurement periods in summer 2012 and winter 2013. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 6107-6129 | 6.8 | 42 |
| 88 | Nitrogenated and aliphatic organic vapors as possible drivers for marine secondary organic aerosol growth. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a | | 42 |
| 87 | On the representativeness of coastal aerosol studies to open ocean studies: Mace Head a case study. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 9635-9646 | 6.8 | 39 |
| 86 | Nanoparticles in boreal forest and coastal environment: a comparison of observations and implications of the nucleation mechanism. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 7009-7016 | 6.8 | 37 |
| 85 | Light backscattering and scattering by nonspherical sea-salt aerosols. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2003 , 79-80, 577-597 | 2.1 | 35 |
| 84 | Volcanic sulphate and arctic dust plumes over the North Atlantic Ocean. <i>Atmospheric Environment</i> , 2009 , 43, 4968-4974 | 5.3 | 33 |
| 83 | Do anthropogenic, continental or coastal aerosol sources impact on a marine aerosol signature at Mace Head?. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 10687-10704 | 6.8 | 32 |
| 82 | In-stack emissions of heavy metals estimated by moss biomonitoring method and snow-pack analysis. <i>Atmospheric Environment</i> , 2002 , 36, 1465-1474 | 5.3 | 32 |

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| 81 | Estimation of atmospheric trace metal emissions in Vilnius City, Lithuania, using vertical concentration gradient and road tunnel measurement data. <i>Atmospheric Environment</i> , 2002 , 36, 6001-6014 | 5.3 | 32 |
| 80 | A European aerosol phenomenology -4: Harmonized concentrations of carbonaceous aerosol at 10 regional background sites across Europe. <i>Atmospheric Environment</i> , 2016 , 144, 133-145 | 5.3 | 32 |
| 79 | Extreme air pollution from residential solid fuel burning. <i>Nature Sustainability</i> , 2018 , 1, 512-517 | 22.1 | 31 |
| 78 | Stable isotopes measurements reveal dual carbon pools contributing to organic matter enrichment in marine aerosol. <i>Scientific Reports</i> , 2016 , 6, 36675 | 4.9 | 30 |
| 77 | Light scattering properties of sea-salt aerosol particles inferred from modeling studies and ground-based measurements. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2006 , 101, 498-511 | 2.1 | 29 |
| 76 | A statistical analysis of North East Atlantic (submicron) aerosol size distributions. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 12567-12578 | 6.8 | 28 |
| 75 | Model evaluation of marine primary organic aerosol emission schemes. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 8553-8566 | 6.8 | 28 |
| 74 | Stable carbon fractionation in size-segregated aerosol particles produced by controlled biomass burning. <i>Journal of Aerosol Science</i> , 2015 , 79, 86-96 | 4.3 | 27 |
| 73 | Growth rates during coastal and marine new particle formation in western Ireland. <i>Journal of Geophysical Research</i> , 2010 , 115, | | 27 |
| 72 | Estimation of metal uptake efficiencies from precipitation in mosses in Lithuania. <i>Chemosphere</i> , 1999 , 38, 445-55 | 8.4 | 27 |
| 71 | Elucidating carbonaceous aerosol sources by the stable carbon $\delta^{13}C_{TC}$ ratio in size-segregated particles. <i>Atmospheric Research</i> , 2015 , 158-159, 1-12 | 5.4 | 26 |
| 70 | Summertime and wintertime atmospheric processes of secondary aerosol in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 3793-3807 | 6.8 | 26 |
| 69 | Simultaneous Detection of Alkylamines in the Surface Ocean and Atmosphere of the Antarctic Sympagic Environment. <i>ACS Earth and Space Chemistry</i> , 2019 , 3, 854-862 | 3.2 | 23 |
| 68 | extended study of atmospheric heavy metal deposition in lithuania based on moss analysis. <i>Environmental Monitoring and Assessment</i> , 1997 , 47, 135-152 | 3.1 | 23 |
| 67 | Atmospheric Pb and Cd input into the Baltic Sea: a new estimate based on measurements. <i>Marine Chemistry</i> , 2000 , 71, 297-307 | 3.7 | 23 |
| 66 | Presenting SAPUSS: Solving Aerosol Problem by Using Synergistic Strategies in Barcelona, Spain. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 8991-9019 | 6.8 | 22 |
| 65 | Global relevance of marine organic aerosol as ice nucleating particles. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 11423-11445 | 6.8 | 21 |
| 64 | Characterization of Primary Organic Aerosol from Domestic Wood, Peat, and Coal Burning in Ireland. <i>Environmental Science & Technology</i> , 2017 , 51, 10624-10632 | 10.3 | 20 |

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| 63 | The Eyjafjallajökull ash plume [Part I: Physical, chemical and optical characteristics. <i>Atmospheric Environment</i> , 2012 , 48, 129-142 | 5.3 | 19 |
| 62 | The seaweeds <i>Fucus vesiculosus</i> and <i>Ascophyllum nodosum</i> are significant contributors to coastal iodine emissions. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 5255-5264 | 6.8 | 18 |
| 61 | Bistable effect of organic enrichment on sea spray radiative properties. <i>Geophysical Research Letters</i> , 2013 , 40, 6395-6398 | 4.9 | 18 |
| 60 | Concentrations and fluxes of aerosol particles during the LAPBIAT measurement campaign at VriField station. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 3683-3700 | 6.8 | 18 |
| 59 | Sea-spray regulates sulfate cloud droplet activation over oceans. <i>Npj Climate and Atmospheric Science</i> , 2020 , 3, | 8 | 17 |
| 58 | Contrasting sources and processes of particulate species in haze days with low and high relative humidity in wintertime Beijing. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 9101-9114 | 6.8 | 17 |
| 57 | Sources and atmospheric processing of size segregated aerosol particles revealed by stable carbon isotope ratios and chemical speciation. <i>Environmental Pollution</i> , 2018 , 240, 286-296 | 9.3 | 16 |
| 56 | Apportionment of urban aerosol sources in Cork (Ireland) by synergistic measurement techniques. <i>Science of the Total Environment</i> , 2014 , 493, 197-208 | 10.2 | 15 |
| 55 | The Eyjafjallajökull ash plume [Part 2: Simulating ash cloud dispersion with REMOTE. <i>Atmospheric Environment</i> , 2012 , 48, 143-151 | 5.3 | 15 |
| 54 | Validation of CALINE4 modelling for carbon monoxide concentrations under free-flowing and congested traffic conditions in Ireland. <i>International Journal of Environment and Pollution</i> , 2005 , 24, 104 | 0.7 | 14 |
| 53 | Chemical nature and sources of fine particles in urban Beijing: Seasonality and formation mechanisms. <i>Environment International</i> , 2020 , 140, 105732 | 12.9 | 13 |
| 52 | Shipborne measurements of Antarctic submicron organic aerosols: an NMR perspective linking multiple sources and bioregions. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 4193-4207 | 6.8 | 13 |
| 51 | 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 |
| 50 | The EMEP Intensive Measurement Period campaign, 2008-2009: characterizing carbonaceous aerosol at nine rural sites in Europe. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 4211-4233 | 6.8 | 12 |
| 49 | Characterization of volcanic ash from the 2011 Grímsvöfn eruption by means of single-particle analysis. <i>Atmospheric Environment</i> , 2013 , 79, 411-420 | 5.3 | 12 |
| 48 | Effect of horizontal resolution on meteorology and air-quality prediction with a regional scale model. <i>Atmospheric Research</i> , 2011 , 101, 574-594 | 5.4 | 12 |
| 47 | Direct field evidence of autocatalytic iodine release from atmospheric aerosol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118, | 11.5 | 11 |
| 46 | Effects of NH and alkaline metals on the formation of particulate sulfate and nitrate in wintertime Beijing. <i>Science of the Total Environment</i> , 2020 , 717, 137190 | 10.2 | 10 |

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| 45 | Minimizing light absorption measurement artifacts of the Aethalometer: evaluation of five correction algorithms | | 9 |
| 44 | Seasonal variations in the sources of organic aerosol in Xi'an, Northwest China: The importance of biomass burning and secondary formation. <i>Science of the Total Environment</i> , 2020 , 737, 139666 | 10.2 | 9 |
| 43 | Contribution of Water-Soluble Organic Matter from Multiple Marine Geographic Eco-Regions to Aerosols around Antarctica. <i>Environmental Science & Technology</i> , 2020 , 54, 7807-7817 | 10.3 | 8 |
| 42 | Marine submicron aerosol gradients, sources and sinks. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 12425-12439 | 6.8 | 8 |
| 41 | Wintertime aerosol dominated by solid-fuel-burning emissions across Ireland: insight into the spatial and chemical variation in submicron aerosol. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 14091-14106 | 6.8 | 8 |
| 40 | Lessons learnt from the first EMEP intensive measurement periods | | 8 |
| 39 | Aerosol hygroscopicity and its link to chemical composition in the coastal atmosphere of Mace Head: marine and continental air masses. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 3777-3791 | 6.8 | 7 |
| 38 | Impact of volcanic ash plume aerosol on cloud microphysics. <i>Atmospheric Environment</i> , 2012 , 48, 205-218 | 5.3 | 7 |
| 37 | Quantification of the carbonaceous matter origin in submicron marine aerosol particles by dual carbon isotope analysis | | 7 |
| 36 | Sophisticated Clean Air Strategies Required to Mitigate Against Particulate Organic Pollution. <i>Scientific Reports</i> , 2017 , 7, 44737 | 4.9 | 6 |
| 35 | Local and regional air pollution in Ireland during an intensive aerosol measurement campaign. <i>Journal of Environmental Monitoring</i> , 2006 , 8, 479-87 | | 6 |
| 34 | Six years of surface remote sensing of stratiform warm clouds in marine and continental air over Mace Head, Ireland. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 14,538-14,557 | 4.4 | 6 |
| 33 | Linking Marine Biological Activity to Aerosol Chemical Composition and Cloud-Relevant Properties Over the North Atlantic Ocean. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD032246 | 4.4 | 5 |
| 32 | Biogenic and anthropogenic organic matter in aerosol over continental Europe: source characterization in the east Baltic region. <i>Journal of Atmospheric Chemistry</i> , 2012 , 69, 159-174 | 3.2 | 5 |
| 31 | Marine submicron aerosol sources, sinks and chemical fluxes | | 5 |
| 30 | Summertime Aerosol over the West of Ireland Dominated by Secondary Aerosol during Long-Range Transport. <i>Atmosphere</i> , 2019 , 10, 59 | 2.7 | 5 |
| 29 | The impact of traffic on air quality in Ireland: insights from the simultaneous kerbside and suburban monitoring of submicron aerosols. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 10513-10529 | 6.8 | 4 |
| 28 | EUCAARI ion spectrometer measurements at 12 European sites: Analysis of new-particle formation events | | 4 |

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| 27 | Do anthropogenic or coastal aerosol sources impact on a clean marine aerosol signature at Mace Head? | | 4 |
| 26 | Particulate methanesulfonic acid over the central Mediterranean Sea: Source region identification and relationship with phytoplankton activity. <i>Atmospheric Research</i> , 2020 , 237, 104837 | 5.4 | 4 |
| 25 | Study of Emissions from Domestic Solid-Fuel Stove Combustion in Ireland. <i>Energy & Fuels</i> , 2021 , 35, 4966-4978 | 4.1 | 4 |
| 24 | Identification of wintertime carbonaceous fine particulate matter (PM _{2.5}) sources in Kaunas, Lithuania using polycyclic aromatic hydrocarbons and stable carbon isotope analysis. <i>Atmospheric Environment</i> , 2020 , 237, 117673 | 5.3 | 3 |
| 23 | Distinct high molecular weight organic compound (HMW-OC) types in aerosol particles collected at a coastal urban site. <i>Atmospheric Environment</i> , 2017 , 171, 118-125 | 5.3 | 2 |
| 22 | Contribution of feldspar and marine organic aerosols to global ice nucleating particle concentrations 2016 , | | 2 |
| 21 | Cleaner air: Brightening the pollution perspective? 2013 , | | 2 |
| 20 | Corrigendum to "Aerosol properties associated with air masses arriving into the North East Atlantic during the 2008 Mace Head EUCAARI intensive observing period: an overview" published in <i>Atmos. Chem. Phys.</i> , 10, 8413-8435, 2010. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 8549-8549 | 6.8 | 2 |
| 19 | Wind speed dependent size-resolved parameterization for the organic enrichment of sea spray | | 2 |
| 18 | Model evaluation of marine primary organic aerosol emission schemes | | 2 |
| 17 | Aerosol properties associated with air masses arriving into the North East Atlantic during the 2008 Mace Head EUCAARI intensive observing period: an overview | | 2 |
| 16 | Top-down and Bottom-up aerosol-cloud-closure: towards understanding sources of uncertainty in deriving cloud radiative flux 2017 , | | 1 |
| 15 | Effect of instrumental particle sizing resolution on the modelling of aerosol radiative parameters. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2010 , 111, 753-771 | 2.1 | 1 |
| 14 | A sea spray aerosol flux parameterization encapsulating wave state | | 1 |
| 13 | Coastal and open ocean aerosol characteristics: investigating the representativeness of coastal aerosol sampling over the North-East Atlantic Ocean | | 1 |
| 12 | A Combined Organic/Inorganic Sea-spray Source Function 2007 , 1083-1087 | | 1 |
| 11 | Nanoparticles in boreal forest and coastal environment: a comparison of observations and implications of the nucleation mechanism | | 1 |
| 10 | Seasonal Trends of Aerosol Hygroscopicity and Mixing State in Clean Marine and Polluted Continental Air Masses Over the Northeast Atlantic. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021 , 126, e2020JD033851 | 4.4 | 1 |

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| 9 | The impact of aerosol size-dependent hygroscopicity and mixing state on the cloud condensation nuclei potential over the north-east Atlantic. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 8655-8675 | 6.8 | 1 |
| 8 | The EMEP Intensive Measurement Period campaign, 2008-2009: Characterizing the carbonaceous aerosol at nine rural sites in Europe 2018 , | | 1 |
| 7 | Wind Speed Influences on Aerosol Optical Depth in Clean Marine Air 2007 , 1164-1168 | | 1 |
| 6 | European Aerosol Phenomenology - 8: Harmonised Source Apportionment of Organic Aerosol using 22 Year-long ACSM/AMS Datasets. <i>Environment International</i> , 2022 , 107325 | 12.9 | 1 |
| 5 | On the use of reference mass spectra for reducing uncertainty in source apportionment of solid-fuel burning in ambient organic aerosol. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 6905-6916 | | 0 |
| 4 | Background levels of black carbon over remote marine locations. <i>Atmospheric Research</i> , 2022 , 271, 106119 | | 0 |
| 3 | Similarity Between Aerosol Physicochemical Properties at a Coastal Station and Open Ocean over the North Atlantic 2007 , 1098-1101 | | |
| 2 | Chemical Fluxes in North-east Atlantic Air 2007 , 1064-1069 | | |
| 1 | Envisioning an Integrated Assessment System and Observation Network for the North Atlantic Ocean. <i>Atmosphere</i> , 2021 , 12, 955 | 2.7 | |