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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.

170 papers	11,282 citations	45 h-index	104 g-index
217 ext. papers	12,693 ext. citations	5.9 avg, IF	5.07 L-index

#	Paper	IF	Citations
170	Evolution of organic aerosols in the atmosphere. <i>Science</i> , 2009 , 326, 1525-9	33.3	2767
169	Ubiquity and dominance of oxygenated species in organic aerosols in anthropogenically-influenced Northern Hemisphere midlatitudes. <i>Geophysical Research Letters</i> , 2007 , 34, n/a-n/a	4.9	1497
168	A generalised method for the extraction of chemically resolved mass spectra from Aerodyne aerosol mass spectrometer data. <i>Journal of Aerosol Science</i> , 2004 , 35, 909-922	4.3	615
167	Characterization of urban and rural organic particulate in the Lower Fraser Valley using two Aerodyne Aerosol Mass Spectrometers. <i>Atmospheric Environment</i> , 2004 , 38, 5745-5758	5.3	344
166	Quantitative sampling using an Aerodyne aerosol mass spectrometer 1. Techniques of data interpretation and error analysis. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a		332
165	The VAMOS Ocean-Cloud-Atmosphere-Land Study Regional Experiment (VOCALS-REx): goals, platforms, and field operations. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 627-654	6.8	238
164	Closure study between chemical composition and hygroscopic growth of aerosol particles during TORCH2. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 6131-6144	6.8	206
163	Exploring the vertical profile of atmospheric organic aerosol: comparing 17 aircraft field campaigns with a global model. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 12673-12696	6.8	199
162	Airborne measurements of the spatial distribution of aerosol chemical composition across Europe and evolution of the organic fraction. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 4065-4083	6.8	162
161	The Tropical Warm Pool International Cloud Experiment. <i>Bulletin of the American Meteorological Society</i> , 2008 , 89, 629-646	6.1	149
160	A closure study of sub-micrometer aerosol particle hygroscopic behaviour. <i>Atmospheric Research</i> , 1999 , 50, 205-240	5.4	149
159	Quantitative sampling using an Aerodyne aerosol mass spectrometer 2. Measurements of fine particulate chemical composition in two U.K. cities. <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a		139
158	Size and composition measurements of background aerosol and new particle growth in a Finnish forest during QUEST 2 using an Aerodyne Aerosol Mass Spectrometer. <i>Atmospheric Chemistry and Physics</i> , 2006 , 6, 315-327	6.8	138
157	Submicron aerosol composition at Trinidad Head, California, during ITCT 2K2: Its relationship with gas phase volatile organic carbon and assessment of instrument performance. <i>Journal of Geophysical Research</i> , 2004 , 109,		133
156	Global temperature stabilization via controlled albedo enhancement of low-level maritime clouds. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2008 , 366, 3969-87	3	131
155	Chemical composition of free tropospheric aerosol for PM1 and coarse mode at the high alpine site Jungfraujoch. <i>Atmospheric Chemistry and Physics</i> , 2008 , 8, 407-423	6.8	125
154	Scavenging of black carbon in mixed phase clouds at the high alpine site Jungfraujoch. <i>Atmospheric Chemistry and Physics</i> , 2007 , 7, 1797-1807	6.8	108

153	Simplification of the representation of the organic component of atmospheric particulates. <i>Faraday Discussions</i> , 2005 , 130, 341-62; discussion 363-86, 519-24	3.6	106
152	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
151	Chemical composition of summertime aerosol in the Po Valley (Italy), northern Adriatic and Black Sea. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2007 , 133, 61-75	6.4	98
150	Marine cloud brightening. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2012 , 370, 4217-62	3	97
149	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
148	Enhancement of the aerosol direct radiative effect by semi-volatile aerosol components: airborne measurements in North-Western Europe. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 8151-8171	6.8	91
147	Single particle characterization of black carbon aerosols at a tropospheric alpine site in Switzerland. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 7389-7407	6.8	89
146	SCOUT-O3/ACTIVE: High-altitude Aircraft Measurements around Deep Tropical Convection. <i>Bulletin of the American Meteorological Society</i> , 2008 , 89, 647-662	6.1	84
145	Observations of ice multiplication in a weakly convective cell embedded in supercooled mid-level stratus. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 257-273	6.8	81
144	Vertical distribution of sub-micron aerosol chemical composition from North-Western Europe and the North-East Atlantic. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 5389-5401	6.8	80
143	Cloud droplet nucleation scavenging in relation to the size and hygroscopic behaviour of aerosol particles. <i>Atmospheric Environment</i> , 1997 , 31, 2463-2475	5.3	80
142	Aerosol chemical characteristics from sampling conducted on the Island of Jeju, Korea during ACE Asia. <i>Atmospheric Environment</i> , 2004 , 38, 2111-2123	5.3	77
141	Ice formation and development in aged, wintertime cumulus over the UK: observations and modelling. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 4963-4985	6.8	73
140	Aerosol partitioning between the interstitial and the condensed phase in mixed-phase clouds. <i>Journal of Geophysical Research</i> , 2007 , 112,		71
139	Counterflow Virtual Impactor Based Collection of Small Ice Particles in Mixed-Phase Clouds for the Physico-Chemical Characterization of Tropospheric Ice Nuclei: Sampler Description and First Case Study. <i>Aerosol Science and Technology</i> , 2007 , 41, 848-864	3.4	71
138	Calibration of the Cloud Particle Imager Probes Using Calibration Beads and Ice Crystal Analogs: The Depth of Field. <i>Journal of Atmospheric and Oceanic Technology</i> , 2007 , 24, 1860-1879	2	60
137	Extensive release of methane from Arctic seabed west of Svalbard during summer 2014 does not influence the atmosphere. <i>Geophysical Research Letters</i> , 2016 , 43, 4624-4631	4.9	60
136	A parametrization of the ice water content observed in frontal and convective clouds. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1996 , 122, 1815-1844	6.4	57

135	The North Atlantic Marine Boundary Layer Experiment(NAMBLEX). Overview of the campaign held at Mace Head, Ireland, in summer 2002. <i>Atmospheric Chemistry and Physics</i> , 2006 , 6, 2241-2272	6.8	54
134	Aircraft observations of the influence of electric fields on the aggregation of ice crystals. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2005 , 131, 1695-1712	6.4	54
133	The DynamicsAerosolChemistryCloud Interactions in West Africa Field Campaign: Overview and Research Highlights. <i>Bulletin of the American Meteorological Society</i> , 2018 , 99, 83-104	6.1	53
132	Studies of propane flame soot acting as heterogeneous ice nuclei in conjunction with single particle soot photometer measurements. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 9549-9561	6.8	51
131	Coarse-mode mineral dust size distributions, composition and optical properties from AER-D aircraft measurements over the tropical eastern Atlantic. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 17225-17257	6.8	51
130	Cloud processing of the cloud condensation nucleus spectrum and its climatological consequences. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1993 , 119, 655-679	6.4	50
129	Computational assessment of a proposed technique for global warming mitigation via albedo-enhancement of marine stratocumulus clouds. <i>Atmospheric Research</i> , 2006 , 82, 328-336	5.4	49
128	The characterisation of pollution aerosol in a changing photochemical environment. <i>Atmospheric Chemistry and Physics</i> , 2006 , 6, 5573-5588	6.8	49
127	Volatile organic compound measurements at Trinidad Head, California, during ITCT 2K2: Analysis of sources, atmospheric composition, and aerosol residence times. <i>Journal of Geophysical Research</i> , 2004 , 109,		49
126	Atmospheric Ice-Nucleating Particles in the Dusty Tropical Atlantic. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 2175-2193	4.4	47
125	Cloud-resolving simulations of intense tropical Hector thunderstorms: Implications for aerosolcloud interactions. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2006 , 132, 3079-3106	6.4	45
124	The origins of ice crystals measured in mixed-phase clouds at the high-alpine site Jungfraujoch. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 12953-12969	6.8	44
123	The importance of Asia as a source of black carbon to the European Arctic during springtime 2013. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 11537-11555	6.8	44
122	Evaluating MODIS cloud retrievals with in situ observations from VOCALS-REx. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 191-209	6.8	42
121	ACE-2 HILLCLOUD. An overview of the ACE-2 ground-based cloud experiment. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2000 , 52, 750-778	3.3	41
120	Observations of cloud microphysics and ice formation during COPE. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 799-826	6.8	40
119	The Role of Precipitation in Controlling the Transition from Stratocumulus to Cumulus Clouds in a Northern Hemisphere Cold-Air Outbreak. <i>Journals of the Atmospheric Sciences</i> , 2017 , 74, 2293-2314	2.1	40
118	The influence of small aerosol particles on the properties of water and ice clouds. <i>Faraday Discussions</i> , 2008 , 137, 205-22; discussion 297-318	3.6	40

117	Chemical and physical characteristics of aerosol particles at a remote coastal location, Mace Head, Ireland, during NAMBLEX. <i>Atmospheric Chemistry and Physics</i> , 2006 , 6, 3289-3301	6.8	40
116	Anatomy of cirrus clouds: Results from the Emerald airborne campaigns. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	39
115	Aerosol and trace-gas measurements in the Darwin area during the wet season. <i>Journal of Geophysical Research</i> , 2008 , 113,		37
114	Droplet nucleation and growth in orographic clouds in relation to the aerosol population. <i>Atmospheric Research</i> , 1999 , 50, 289-315	5.4	37
113	Measurement of the ¹³ C isotopic signature of methane emissions from northern European wetlands. <i>Global Biogeochemical Cycles</i> , 2017 , 31, 605-623	5.9	36
112	An overview of the microphysical structure of cirrus clouds observed during EMERALD-1. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2005 , 131, 1143-1169	6.4	36
111	Microphysical properties of cold frontal rainbands. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2014 , 140, 1257-1268	6.4	33
110	The Convective Precipitation Experiment (COPE): Investigating the Origins of Heavy Precipitation in the Southwestern United Kingdom. <i>Bulletin of the American Meteorological Society</i> , 2016 , 97, 1003-1020	6.1	33
109	In-situ aircraft observations of ice concentrations within clouds over the Antarctic Peninsula and Larsen Ice Shelf. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 11275-11294	6.8	32
108	Cloud Banding and Winds in Intense European Cyclones: Results from the DIAMET Project. <i>Bulletin of the American Meteorological Society</i> , 2015 , 96, 249-265	6.1	31
107	Carbonaceous aerosols contributed by traffic and solid fuel burning at a polluted rural site in Northwestern England. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 1603-1619	6.8	31
106	Computer modelling of clouds at Kleiner Feldberg. <i>Journal of Atmospheric Chemistry</i> , 1994 , 19, 189-229	3.2	31
105	Aircraft and ground measurements of dust aerosols over the west African coast in summer 2015 during ICE-D and AER-D. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 3817-3838	6.8	30
104	Methane and carbon dioxide fluxes and their regional scalability for the European Arctic wetlands during the MAMM project in summer 2012. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 13159-13174	6.8	29
103	Chemical apportionment of shortwave direct aerosol radiative forcing at the Gosan super-site, Korea during ACE-Asia. <i>Atmospheric Environment</i> , 2006 , 40, 6718-6729	5.3	29
102	Source attribution of Bornean air masses by back trajectory analysis during the OP3 project. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 9605-9630	6.8	28
101	Aerosol Direct Radiative Impact Experiment (ADRIEX) overview. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2007 , 133, 3-15	6.4	28
100	Parameterization of the cloud droplet-sulfate relationship. <i>Atmospheric Environment</i> , 2004 , 38, 287-292	5.3	28

99	Numerical simulations of aerosol radiative effects and their impact on clouds and atmospheric dynamics over southern West Africa. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 9767-9788	6.8	28
98	Influence of particle chemical composition on the phase of cold clouds at a high-alpine site in Switzerland. <i>Journal of Geophysical Research</i> , 2009 , 114,		27
97	Aerosol Development and Interaction in an Urban Plume. <i>Aerosol Science and Technology</i> , 2000 , 32, 120-126	6.8	27
96	Observations and comparisons of cloud microphysical properties in spring and summertime Arctic stratocumulus clouds during the ACCACIA campaign. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 3719-3737	6.8	26
95	EUREC4A. <i>Earth System Science Data</i> , 2021 , 13, 4067-4119	10.5	26
94	Observations of fluorescent aerosol-cloud interactions in the free troposphere at the High-Altitude Research Station Jungfraujoch. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 2273-2284	6.8	25
93	Observations of an atmospheric chemical equator and its implications for the tropical warm pool region. <i>Journal of Geophysical Research</i> , 2008 , 113,		25
92	The effects of entrainment on the growth of droplets in continental cumulus clouds. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1988 , 114, 1411-1434	6.4	25
91	Technical Note: Description and Use of the New Jump Mass Spectrum Mode of Operation for the Aerodyne Quadrupole Aerosol Mass Spectrometers (Q-AMS). <i>Aerosol Science and Technology</i> , 2007 , 41, 865-872	3.4	24
90	Observations and modelling of microphysical variability, aggregation and sedimentation in tropical anvil cirrus outflow regions. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 6609-6628	6.8	22
89	The CLoud Aerosol Radiation Interaction and Forcing: Year 2017 (CLARIFY-2017) measurement campaign. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 1049-1084	6.8	22
88	A measurement-based verification framework for UK greenhouse gas emissions: an overview of the Greenhouse gAs Uk and Global Emissions (GAUGE) project. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 11753-11777	6.8	22
87	Observed microphysical changes in Arctic mixed-phase clouds when transitioning from sea ice to open ocean. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 13945-13967	6.8	21
86	Aerosol scattering and absorption during the EUCAARI-LONGREX flights of the Facility for Airborne Atmospheric Measurements (FAAM) BAe-146: can measurements and models agree?. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 7251-7267	6.8	21
85	Street canyon aerosol pollutant transport measurements. <i>Science of the Total Environment</i> , 2004 , 334-335, 327-36	10.2	20
84	Size-segregated compositional analysis of aerosol particles collected in the European Arctic during the ACCACIA campaign. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 4063-4079	6.8	19
83	In situ measurements of cloud microphysics and aerosol over coastal Antarctica during the MAC campaign. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 13049-13070	6.8	19
82	Comparing model and measured ice crystal concentrations in orographic clouds during the INUPIAQ campaign. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 4945-4966	6.8	18

81	Assessment of the photochemistry of OH and NO ₃ on Jeju Island during the Asian-dust-storm period in the spring of 2001. <i>Chemosphere</i> , 2004 , 55, 1127-42	8.4	18
80	Airborne observations of the microphysical structure of two contrasting cirrus clouds. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 13,510-13,536	4.4	17
79	Measurements of κ in CH and using particle dispersion modeling to characterize sources of Arctic methane within an air mass. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 14257-14270	4.4	17
78	A cautionary tale: A study of a methane enhancement over the North Sea. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017 , 122, 7630-7645	4.4	16
77	Atmospheric composition and thermodynamic retrievals from the ARIES airborne TIR-FTS system □ Part 2: Validation and results from aircraft campaigns. <i>Atmospheric Measurement Techniques</i> , 2014 , 7, 4401-4416	4	16
76	A comparison between trajectory ensemble and adiabatic parcel modeled cloud properties and evaluation against airborne measurements. <i>Journal of Geophysical Research</i> , 2009 , 114,		16
75	Radiative Effects of Secondary Ice Enhancement in Coastal Antarctic Clouds. <i>Geophysical Research Letters</i> , 2019 , 46, 2312-2321	4.9	15
74	Aerosol observations and growth rates downwind of the anvil of a deep tropical thunderstorm. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 6157-6172	6.8	15
73	Absorption closure in highly aged biomass burning smoke. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 11201-11221	6.8	15
72	Airborne validation of radiative transfer modelling of ice clouds at millimetre and sub-millimetre wavelengths. <i>Atmospheric Measurement Techniques</i> , 2019 , 12, 1599-1617	4	14
71	Diabatic Heating and Cooling Rates Derived from In Situ Microphysics Measurements: A Case Study of a Wintertime U.K. Cold Front. <i>Monthly Weather Review</i> , 2014 , 142, 3100-3125	2.4	14
70	Correction to Quantitative sampling using an Aerodyne aerosol mass spectrometer: 1. Techniques of data interpretation and error analysis □ <i>Journal of Geophysical Research</i> , 2003 , 108, n/a-n/a		14
69	A model of ammonia/ammonium conversion and deposition in a hill cap cloud. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1995 , 121, 569-591	6.4	14
68	Real-time detection of airborne fluorescent bioparticles in Antarctica. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 14291-14307	6.8	13
67	Observations of the Origin and Distribution of Ice in Cold, Warm, and Occluded Frontal Systems during the DIAMET Campaign. <i>Monthly Weather Review</i> , 2014 , 142, 4230-4255	2.4	13
66	A methodology for in-situ and remote sensing of microphysical and radiative properties of contrails as they evolve into cirrus. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 8157-8175	6.8	13
65	Aerosol influences on low-level clouds in the West African monsoon. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 8503-8522	6.8	12
64	Airborne measurements of HC(O)OH in the European Arctic: A winter □ summer comparison. <i>Atmospheric Environment</i> , 2014 , 99, 556-567	5.3	12

63	Can aerosols influence deep tropical convection? Aerosol indirect effects in the Hector island thunderstorm. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2013 , 139, 2190-2208	6.4	11
62	Open cells exhibit weaker entrainment of free-tropospheric biomass burning aerosol into the south-east Atlantic boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 4059-4084	6.8	10
61	Development of ice particles in convective clouds observed over the Black Forest mountains during COPS. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2011 , 137, 275-286	6.4	10
60	Modelling cloud processing of aerosol during the ACE-2 HILLCLOUD experiment. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2000 , 52, 779-800	3.3	10
59	Processing of oxidised nitrogen compounds by passage through winter-time orographic cloud. <i>Journal of Atmospheric Chemistry</i> , 1996 , 24, 211	3.2	10
58	Microphysical Properties of Ice Crystal Precipitation and Surface-Generated Ice Crystals in a High Alpine Environment in Switzerland. <i>Journal of Applied Meteorology and Climatology</i> , 2017 , 56, 433-453	2.7	9
57	Aerosol measurements during COPE: composition, size, and sources of CCN and INPs at the interface between marine and terrestrial influences. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 11687-11709 ^{6.8}	6.8	9
56	Constraints on oceanic methane emissions west of Svalbard from atmospheric in situ measurements and Lagrangian transport modeling. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 14188-14200	4.4	9
55	Ice lollies: An ice particle generated in supercooled conveyor belts. <i>Geophysical Research Letters</i> , 2017 , 44, 5222-5230	4.9	8
54	Small ice particles at slightly supercooled temperatures in tropical maritime convection. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 3895-3904	6.8	8
53	A study of the effects of cloud processing of aerosol on the microphysics of cloud. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1998 , 124, 1377-1389	6.4	8
52	Aircraft measurements of wave clouds. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 9881-9892	6.8	7
51	Modification of the aerosol size distribution within exhaust plumes produced by diesel-powered ships. <i>Journal of Geophysical Research</i> , 2001 , 106, 9827-9842		7
50	A model of occult deposition applicable to complex terrain. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1991 , 117, 803-823	6.4	7
49	Scavenging of black carbon in mixed phase clouds at the high alpine site Jungfrauoch		7
48	Characterizing the Particle Composition and Cloud Condensation Nuclei from Shipping Emission in Western Europe. <i>Environmental Science & Technology</i> , 2020 , 54, 15604-15612	10.3	7
47	Exploring the vertical profile of atmospheric organic aerosol: comparing 17 aircraft field campaigns with a global model		6
46	Airborne measurements of fire emission factors for African biomass burning sampled during the MOYA campaign. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 15443-15459	6.8	5

45	Southeast Pacific atmospheric composition and variability sampled along 20°S during VOCALS-REX		5
44	Observation of absorbing aerosols above clouds over the south-east Atlantic Ocean from the geostationary satellite SEVIRI [Part 2: Comparison with MODIS and aircraft measurements from the CLARIFY-2017 field campaign. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 3235-3254	6.8	5
43	Characterising optical array particle imaging probes: implications for small-ice-crystal observations. <i>Atmospheric Measurement Techniques</i> , 2021 , 14, 1917-1939	4	5
42	In situ measurements of cloud microphysical and aerosol properties during the break-up of stratocumulus cloud layers in cold air outbreaks over the North Atlantic. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 17191-17206	6.8	5
41	Microphysical Properties and Radar Polarimetric Features within a Warm Front. <i>Monthly Weather Review</i> , 2018 , 146, 2003-2022	2.4	5
40	Correction to 'Aerosol and trace-gas measurements in the Darwin area during the wet season' <i>Journal of Geophysical Research</i> , 2008 , 113,		4
39	Observation of absorbing aerosols above clouds over the South-East Atlantic Ocean from the geostationary satellite SEVIRI [Part 2: Comparison with MODIS and aircraft measurements from the CLARIFY-2017 field campaign		4
38	Overview: The CLOUD-Aerosol-Radiation Interaction and Forcing: Year-2017 (CLARIFY-2017) measurement campaign		4
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35	The origins of ice crystals measured in mixed phase clouds at High-Alpine site Jungfraujoch		4
34	Closure between measured and modelled particle hygroscopic growth during TORCH2 implies ammonium nitrate artefact in the HTDMA measurements		4
33	Chemical composition of free tropospheric aerosol for PM1 and coarse mode at the high alpine site Jungfraujoch		4
32	Airborne measurements of the spatial distribution of aerosol chemical composition across Europe and evolution of the organic fraction		4
31	Are the Fenno-Scandinavian Arctic Wetlands a Significant Regional Source of Formic Acid?. <i>Atmosphere</i> , 2017 , 8, 112	2.7	3
30	Supplement to The Tropical Warm Pool International Cloud Experiment. <i>Bulletin of the American Meteorological Society</i> , 2008 , 89, ES21-ES23	6.1	3
29	Evolution of boundary-layer aerosol particles due to in-cloud chemical reactions during the 2nd Lagrangian experiment of ACE-2. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2000 , 52, 452-462	3.3	3
28	A test of the ability of current bulk optical models to represent the radiative properties of cirrus cloud across the mid- and far-infrared. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 12889-12903	6.8	3

27	Comparing model and measured ice crystal concentrations in orographic clouds during the INUPIAQ campaign		3
26	Atmospheric composition and thermodynamic retrievals from the ARIES airborne TIR-FTS system □ Part 2: Validation and results from aircraft campaigns		3
25	C methane source signatures from tropical wetland and rice field emissions. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022 , 380, 20200449	3	3
24	The effect of sulphur chemistry on the scattering properties of particles. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 1997 , 352, 213-220	5.8	2
23	The Role of Cloud Processing in the Relationship Between Wet Deposited Sulphur and Sulphur Dioxide Emissions. <i>Water, Air and Soil Pollution</i> , 2001 , 1, 365-372		2
22	A model of the development of droplet effective radius in convective cloud. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1993 , 119, 443-456	6.4	2
21	Development of aerosol activation in the double-moment Unified Model and evaluation with CLARIFY measurements. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 10997-11024	6.8	2
20	Open cells can decrease the mixing of free-tropospheric biomass burning aerosol into the south-east Atlantic boundary layer		2
19	Single particle characterization of black carbon aerosols at a tropospheric alpine site in Switzerland		2
18	Source attribution of Bornean air masses by back trajectory analysis during the OP3 project		2
17	Ice formation and development in aged, wintertime cumulus over the UK : observations and modelling		2
16	Methane and carbon dioxide fluxes and their regional scalability for the European Arctic wetlands during the MAMM project in summer 2012		2
15	EUREC ⁴ A		2
14	Aerosol influences on low-level clouds in the West African monsoon 2019 ,		1
13	Real Time Detection of Airborne Bioparticles in Antarctica 2017 ,		1
12	Comparison of in-situ, satellite and ground-based remote sensing retrievals of liquid cloud microphysics during MACLOUD 2013 ,		1
11	Isotopic signatures of methane emissions from tropical fires, agriculture and wetlands: the MOYA and ZWAMPS flights. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2022 , 380, 20210112	3	1
10	Studies of propane flame soot acting as heterogeneous ice nuclei in conjunction with single particle soot photometer measurements		1

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