

M W Gallagher

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4774263/publications.pdf>

Version: 2024-02-01

204
papers

9,310
citations

46918

47
h-index

74018

75
g-index

305
all docs

305
docs citations

305
times ranked

7716
citing authors

#	ARTICLE	IF	CITATIONS
1	Contributions from transport, solid fuel burning and cooking to primary organic aerosols in two UK cities. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 647-668.	1.9	366
2	High concentrations of biological aerosol particles and ice nuclei during and after rain. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 6151-6164.	1.9	355
3	Studies of heterogeneous freezing by three different desert dust samples. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 2805-2824.	1.9	291
4	Field inter-comparison of eleven atmospheric ammonia measurement techniques. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 91-112.	1.2	215
5	Challenges in quantifying biosphere-atmosphere exchange of nitrogen species. <i>Environmental Pollution</i> , 2007, 150, 125-139.	3.7	203
6	Measurements and comparison of primary biological aerosol above and below a tropical forest canopy using a dual channel fluorescence spectrometer. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 4453-4466.	1.9	178
7	Size distribution, mixing state and source apportionment of black carbon aerosol in London during wintertime. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10061-10084.	1.9	171
8	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.	3.3	166
9	Nitrogen management is essential to prevent tropical oil palm plantations from causing ground-level ozone pollution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 18447-18451.	3.3	161
10	Real-time sensing of bioaerosols: Review and current perspectives. <i>Aerosol Science and Technology</i> , 2020, 54, 465-495.	1.5	144
11	Boundary layer dynamics over London, UK, as observed using Doppler lidar during REPARTEE-II. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 2111-2125.	1.9	140
12	A review of measurement and modelling results of particle atmosphere-surface exchange. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 60, 42.	0.8	138
13	Overview: oxidant and particle photochemical processes above a south-east Asian tropical rainforest (the OP3 project): introduction, rationale, location characteristics and tools. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 169-199.	1.9	130
14	Iodine-mediated coastal particle formation: an overview of the Reactive Halogens in the Marine Boundary Layer (RHAMBLe) Roscoff coastal study. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 2975-2999.	1.9	125
15	Atmospheric chemistry and physics in the atmosphere of a developed megacity (London): an overview of the REPARTEE experiment and its conclusions. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 3065-3114.	1.9	124
16	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.	1.9	119
17	Global-scale atmosphere monitoring by in-service aircraft - current achievements and future prospects of the European Research Infrastructure IAGOS. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 67, 28452.	0.8	118
18	Measurements and parameterizations of small aerosol deposition velocities to grassland, arable crops, and forest: Influence of surface roughness length on deposition. <i>Journal of Geophysical Research</i> , 2002, 107, AAC 8-1.	3.3	101

#	ARTICLE	IF	CITATIONS
19	Evaluation of Laser Absorption Spectroscopic Techniques for Eddy Covariance Flux Measurements of Ammonia. <i>Environmental Science & Technology</i> , 2008, 42, 2041-2046.	4.6	95
20	The fluorescence properties of aerosol larger than 0.8 μm in urban and tropical rainforest locations. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 5491-5504.	1.9	94
21	Ice formation and development in aged, wintertime cumulus over the UK: observations and modelling. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 4963-4985.	1.9	92
22	EUREC4A. <i>Earth System Science Data</i> , 2021, 13, 4067-4119.	3.7	88
23	Particle deposition to forests—Summary of results and application. <i>Atmospheric Environment</i> , 1997, 31, 321-332.	1.9	86
24	Aerosol partitioning between the interstitial and the condensed phase in mixed-phase clouds. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	80
25	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.	1.9	80
26	Title is missing!. <i>Plant and Soil</i> , 2001, 228, 131-145.	1.8	79
27	Effects of land use on surface-atmosphere exchanges of trace gases and energy in Borneo: comparing fluxes over oil palm plantations and a rainforest. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 3196-3209.	1.8	78
28	Size-resolved measurements of cloud droplet deposition velocity to a forest canopy using an eddy correlation technique. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1991, 117, 623-645.	1.0	74
29	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.	1.5	74
30	Fluorescent bioaerosol particle, molecular tracer, and fungal spore concentrations during dry and rainy periods in a semi-arid forest. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 15165-15184.	1.9	73
31	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.	0.5	71
32	Seasonal and Diurnal Variation in Atmospheric Ammonia in an Urban Environment Measured Using a Quantum Cascade Laser Absorption Spectrometer. <i>Water, Air, and Soil Pollution</i> , 2007, 183, 317-329.	1.1	71
33	Heterogeneous ice nucleation of viscous secondary organic aerosol produced from ozonolysis of α -pinene. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 6495-6509.	1.9	71
34	Micrometeorological measurements of particle deposition velocities to moorland vegetation. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2002, 128, 2281-2300.	1.0	70
35	Gas-particle interactions above a Dutch heathland: II. Concentrations and surface exchange fluxes of atmospheric particles. <i>Atmospheric Chemistry and Physics</i> , 2004, 4, 1007-1024.	1.9	70
36	Development of a cavity-enhanced absorption spectrometer for airborne measurements of CH_4 and CO_2 . <i>Atmospheric Measurement Techniques</i> , 2013, 6, 1095-1109.	1.2	70

#	ARTICLE	IF	CITATIONS
37	Observations of fluorescent and biological aerosol at a high-altitude site in central France. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 7415-7428.	1.9	67
38	Atmospheric Ice-Nucleating Particles in the Dusty Tropical Atlantic. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 2175-2193.	1.2	66
39	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.	1.9	65
40	Cluster analysis of WIBS single-particle bioaerosol data. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 337-347.	1.2	63
41	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.	1.0	62
42	Application of the Aventech AIMMS20AQ airborne probe for turbulence measurements during the Convective Storm Initiation Project. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 5449-5463.	1.9	62
43	Properties and evolution of biomass burning organic aerosol from Canadian boreal forest fires. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 3077-3095.	1.9	61
44	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.	1.9	58
45	Dynamics of ammonia exchange with cut grassland: synthesis of results and conclusions of the GRAMINAE Integrated Experiment. <i>Biogeosciences</i> , 2009, 6, 2907-2934.	1.3	55
46	Observations of cloud microphysics and ice formation during COPE. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 799-826.	1.9	55
47	Observation of viscosity transition in α -pinene secondary organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4423-4438.	1.9	55
48	Evaluation of machine learning algorithms for classification of primary biological aerosol using a new UV-LIF spectrometer. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 695-708.	1.2	54
49	A Review of Ice Particle Shapes in Cirrus formed In Situ and in Anvils. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 10049-10090.	1.2	54
50	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.	1.9	53
51	Ultrafine particle fluxes above four major European cities. <i>Atmospheric Environment</i> , 2009, 43, 4714-4721.	1.9	52
52	Measurement of the $\delta^{13}C$ isotopic signature of methane emissions from northern European wetlands. <i>Global Biogeochemical Cycles</i> , 2017, 31, 605-623.	1.9	52
53	Uptake of methanol to the North Atlantic Ocean surface. <i>Global Biogeochemical Cycles</i> , 2004, 18, n/a-n/a.	1.9	51
54	Cloud-resolving simulations of intense tropical Hector thunderstorms: Implications for aerosol-cloud interactions. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2006, 132, 3079-3106.	1.0	51

#	ARTICLE	IF	CITATIONS
55	Dynamics of ammonia exchange with cut grassland: strategy and implementation of the GRAMINAE Integrated Experiment. <i>Biogeosciences</i> , 2009, 6, 309-331.	1.3	51
56	Aerosol and trace gas measurements in the Darwin area during the wet season. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	49
57	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.	1.9	48
58	Measurements of the size dependence of cloud droplet deposition at a hill site. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1988, 114, 1291-1303.	1.0	47
59	Use of a detailed model to study the exchange of NO _x and O ₃ above and below a deciduous canopy. <i>Atmospheric Environment</i> , 1997, 31, 2915-2931.	1.9	47
60	Anatomy of cirrus clouds: Results from the Emerald airborne campaigns. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	47
61	Sources of uncertainty in eddy covariance ozone flux measurements made by dry chemiluminescence fast response analysers. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 163-176.	1.2	47
62	Continuous bioaerosol monitoring in a tropical environment using a UV fluorescence particle spectrometer. <i>Atmospheric Science Letters</i> , 2011, 12, 195-199.	0.8	47
63	Aqueous phase oxidation of sulphur dioxide by ozone in cloud droplets. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1693-1712.	1.9	47
64	Aerosol fluxes and particle growth above managed grassland. <i>Biogeosciences</i> , 2009, 6, 1627-1645.	1.3	46
65	Area fluxes of carbon dioxide, methane, and carbon monoxide derived from airborne measurements around Greater London: A case study during summer 2012. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 4940-4952.	1.2	46
66	Investigating the annual behaviour of submicron secondary inorganic and organic aerosols in London. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 6351-6366.	1.9	46
67	Evaluation of hierarchical agglomerative cluster analysis methods for discrimination of primary biological aerosol. <i>Atmospheric Measurement Techniques</i> , 2015, 8, 4979-4991.	1.2	46
68	Classification of Arctic, midlatitude and tropical clouds in the mixed-phase temperature regime. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 12219-12238.	1.9	45
69	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.	0.8	44
70	Low-cost real-time multiparameter bio-aerosol sensors. <i>Proceedings of SPIE</i> , 2008, , .	0.8	44
71	Regional-scale simulations of fungal spore aerosols using an emission parameterization adapted to local measurements of fluorescent biological aerosol particles. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 6127-6146.	1.9	44
72	The influence of small aerosol particles on the properties of water and ice clouds. <i>Faraday Discussions</i> , 2008, 137, 205-222.	1.6	43

#	ARTICLE	IF	CITATIONS
73	Direct linkage between tidally driven coastal ozone deposition fluxes, particle emission fluxes, and subsequent CCN formation. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	42
74	Characterisation of bioaerosol emissions from a Colorado pine forest: results from the BEACHON-RoMBAS experiment. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 8559-8578.	1.9	42
75	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.	1.0	41
76	Aerosol fluxes and dynamics within and above a tropical rainforest in South-East Asia. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 9369-9382.	1.9	41
77	Microphysical properties of cold frontal rainbands. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2014, 140, 1257-1268.	1.0	41
78	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.	1.7	40
79	Ozone deposition to coastal waters. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2001, 127, 539-558.	1.0	39
80	Inter-comparison of ammonia fluxes obtained using the Relaxed Eddy Accumulation technique. <i>Biogeosciences</i> , 2009, 6, 2575-2588.	1.3	39
81	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.	1.9	39
82	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.	1.9	39
83	Surface/atmosphere exchange and chemical interaction of gases and aerosols over oilseed rape. <i>Agricultural and Forest Meteorology</i> , 2000, 105, 427-445.	1.9	38
84	Seasonal variations in VOC emission rates from gorse (<i>Ulex europaeus</i>). <i>Atmospheric Environment</i> , 2001, 35, 917-927.	1.9	38
85	Oxidized nitrogen and ozone interaction with forests. I: Experimental observations and analysis of exchange with Douglas fir. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2004, 130, 1941-1955.	1.0	38
86	An aerosol chamber investigation of the heterogeneous ice nucleating potential of refractory nanoparticles. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 1227-1247.	1.9	38
87	In Situ, Airborne Instrumentation: Addressing and Solving Measurement Problems in Ice Clouds. <i>Bulletin of the American Meteorological Society</i> , 2012, 93, ES29-ES34.	1.7	38
88	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.	1.9	38
89	Biogenic cloud nuclei in the central Amazon during the transition from wet to dry season. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 9727-9743.	1.9	37
90	The atmospheric chemistry of trace gases and particulate matter emitted by different land uses in Borneo. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2011, 366, 3177-3195.	1.8	36

#	ARTICLE	IF	CITATIONS
91	Latitudinal aerosol size distribution variation in the Eastern Atlantic Ocean measured aboard the FS-Polarstern. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 2563-2573.	1.9	35
92	Measurements and modelling of molecular iodine emissions, transport and photodestruction in the coastal region around Roscoff. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 11823-11838.	1.9	34
93	Observations of fluorescent aerosol-cloud interactions in the free troposphere at the High-Altitude Research Station Jungfraujoeh. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 2273-2284.	1.9	34
94	Boundary layer structure and decoupling from synoptic scale flow during NAMBLEX. <i>Atmospheric Chemistry and Physics</i> , 2006, 6, 433-445.	1.9	33
95	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.	1.9	33
96	Intercomparison and assessment of turbulent and physiological exchange parameters of grassland. <i>Biogeosciences</i> , 2009, 6, 1445-1466.	1.3	33
97	Fluxes of ammonia over oilseed rape. <i>Agricultural and Forest Meteorology</i> , 2000, 105, 327-349.	1.9	32
98	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.	1.7	32
99	The Great Dun Fell Experiment 1995: an overview. <i>Atmospheric Research</i> , 1999, 50, 151-184.	1.8	31
100	The backscatter cloud probe - a compact low-profile autonomous optical spectrometer. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 1443-1457.	1.2	31
101	Investigating a two-component model of solid fuel organic aerosol in London: processes, PM ₁ contributions, and seasonality. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 2429-2443.	1.9	31
102	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.	1.9	31
103	Parameterization of the cloud droplet-sulfate relationship. <i>Atmospheric Environment</i> , 2004, 38, 287-292.	1.9	30
104	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, .	3.3	30
105	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.	1.9	29
106	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.	1.9	29
107	Assessing London CO ₂ , CH ₄ and CO emissions using aircraft measurements and dispersion modelling. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 8931-8945.	1.9	29
108	Behavior of ultrafine particles in continental and marine air masses at a rural site in the United Kingdom. <i>Journal of Geophysical Research</i> , 2000, 105, 26891-26905.	3.3	28

#	ARTICLE	IF	CITATIONS
109	Aerosol Development and Interaction in an Urban Plume. <i>Aerosol Science and Technology</i> , 2000, 32, 120-126.	1.5	28
110	Quasi-Spherical Ice in Convective Clouds. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 3885-3910.	0.6	28
111	Case studies of the oxidation of sulphur dioxide in a hill cap cloud using ground and aircraft based measurements. <i>Journal of Geophysical Research</i> , 1990, 95, 18517-18537.	3.3	27
112	Measurements and modelling of cloudwater deposition to moorland and forests. <i>Environmental Pollution</i> , 1992, 75, 97-107.	3.7	27
113	A Relaxed Eddy Accumulation System for the Automated Measurement of Atmospheric Ammonia Fluxes. <i>Water, Air and Soil Pollution</i> , 2001, 1, 189-202.	0.8	26
114	Street canyon aerosol pollutant transport measurements. <i>Science of the Total Environment</i> , 2004, 334-335, 327-336.	3.9	26
115	Surface/atmosphere exchange and chemical interactions of reactive nitrogen compounds above a manured grassland. <i>Agricultural and Forest Meteorology</i> , 2011, 151, 1488-1503.	1.9	26
116	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.	1.9	26
117	Testing the near-field Gaussian plume inversion flux quantification technique using unmanned aerial vehicle sampling. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 1467-1484.	1.2	26
118	Some observations of airflow over a large hill of moderate slope. <i>Boundary-Layer Meteorology</i> , 1988, 42, 229-250.	1.2	25
119	Nitrite in orographic cloud as an indicator of nitrous acid in rural air. <i>Atmospheric Environment Part A General Topics</i> , 1992, 26, 2301-2307.	1.3	25
120	Measurements of methane fluxes on the landscape scale from a wetland area in North Scotland. <i>Atmospheric Environment</i> , 1994, 28, 2421-2430.	1.9	25
121	Coordinated Airborne Studies in the Tropics (CAST). <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 145-162.	1.7	25
122	Measurements of the entrainment of hydrogen peroxide into cloud systems. <i>Atmospheric Environment Part A General Topics</i> , 1991, 25, 2029-2038.	1.3	24
123	Airborne observations of trace gases over boreal Canada during BORTAS: campaign climatology, air mass analysis and enhancement ratios. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 12451-12467.	1.9	24
124	The development and evaluation of airborne in situ NO_2 and CH_4 sampling using a quantum cascade laser absorption spectrometer (QCLAS). <i>Atmospheric Measurement Techniques</i> , 2016, 9, 63-77.	1.2	24
125	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.	1.9	24
126	Enhanced ozone loss by active inorganic bromine chemistry in the tropical troposphere. <i>Atmospheric Environment</i> , 2017, 155, 21-28.	1.9	24

#	ARTICLE	IF	CITATIONS
127	Radiative Effects of Secondary Ice Enhancement in Coastal Antarctic Clouds. <i>Geophysical Research Letters</i> , 2019, 46, 2312-2321.	1.5	24
128	Biogenic emissions of volatile organic compounds from gorse (<i>Ulex europaeus</i>): Diurnal emission fluxes at Kelling Heath, England. <i>Journal of Geophysical Research</i> , 1997, 102, 18903-18915.	3.3	23
129	Machine learning for improved data analysis of biological aerosol using the WIBS. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 6203-6230.	1.2	23
130	Measurements of $\delta^{13}C$ in CH_4 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.	1.2	22
131	Airborne observations of the microphysical structure of two contrasting cirrus clouds. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 13,510.	1.2	22
132	Real-time detection of airborne fluorescent bioparticles in Antarctica. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 14291-14307.	1.9	22
133	Measurements of Dry Deposition of NO_2 to A Dutch Heathland Using the Eddy-Correlation Technique. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1992, 118, 767-786.	1.0	21
134	Oxidized nitrogen and ozone interaction with forests. II: Multi-layer process-oriented modelling results and a sensitivity study for Douglas fir. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2004, 130, 1957-1971.	1.0	21
135	Comparison of ozone fluxes over grassland by gradient and eddy covariance technique. <i>Atmospheric Science Letters</i> , 2009, 10, 164-169.	0.8	21
136	Measurement of boundary layer ozone concentrations on-board a Skywalker unmanned aerial vehicle. <i>Atmospheric Science Letters</i> , 2014, 15, 252-258.	0.8	21
137	Comparing model and measured ice crystal concentrations in orographic clouds during the INUPIAQ campaign. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 4945-4966.	1.9	21
138	Measurements of iodine monoxide at a semi polluted coastal location. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 3645-3663.	1.9	19
139	Characterisation and source identification of biofluorescent aerosol emissions over winter and summer periods in the United Kingdom. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 1665-1684.	1.9	19
140	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.	1.2	18
141	Simultaneous coastal measurements of ozone deposition fluxes and iodine-mediated particle emission fluxes with subsequent CCN formation. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 255-266.	1.9	17
142	Aerosol observations and growth rates downwind of the anvil of a deep tropical thunderstorm. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 6157-6172.	1.9	17
143	The effect of observed vertical structure, habits, and size distributions on the solar radiative properties and cloud evolution of cirrus clouds. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2012, 138, 1221-1232.	1.0	17
144	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.	1.9	17

#	ARTICLE	IF	CITATIONS
145	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.	1.9	16
146	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.	1.9	16
147	Upper tropospheric water vapour and its interaction with cirrus clouds as seen from IAGOS long-term routine in situ observations. <i>Faraday Discussions</i> , 2017, 200, 229-249.	1.6	16
148	Unexpected vertical structure of the Saharan Air Layer and giant dust particles during AER-D. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17655-17668.	1.9	16
149	A Relaxed Eddy Accumulation System for the Automated Measurement of Atmospheric Ammonia Fluxes. , 2001, , 189-202.		16
150	Airborne measurements of HC(O)OH in the European Arctic: A winter “ summer comparison. <i>Atmospheric Environment</i> , 2014, 99, 556-567.	1.9	15
151	A field study of the oxidation of SO ₂ in a cap cloud at Great Dun Fell. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1989, 115, 397-420.	1.0	14
152	Measurement and modelling of cloudwater deposition to a snow-covered forest canopy. <i>Atmospheric Environment Part A General Topics</i> , 1992, 26, 2893-2903.	1.3	14
153	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.	1.0	14
154	Small ice particles at slightly supercooled temperatures in tropical maritime convection. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 3895-3904.	1.9	14
155	Can aerosols influence deep tropical convection? Aerosol indirect effects in the <i>Hector</i> island thunderstorm. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2013, 139, 2190-2208.	1.0	13
156	The first regular measurements of ozone, carbon monoxide and water vapour in the Pacific UTLS by IAGOS. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 67, 28385.	0.8	13
157	Intercomparison of Multiple UV-LIF Spectrometers Using the Aerosol Challenge Simulator. <i>Atmosphere</i> , 2019, 10, 797.	1.0	13
158	Sensitivity of WRF Cloud Microphysics to Simulations of a Convective Storm Over the Nepal Himalayas. <i>The Open Atmospheric Science Journal</i> , 2017, 11, 29-43.	0.5	13
159	Ozone Dry Deposition Velocities for Coastal Waters. <i>Water, Air and Soil Pollution</i> , 2001, 1, 233-242.	0.8	12
160	Properties of small cirrus ice crystals from commercial aircraft measurements and implications for flight operations. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2015, 67, 27876.	0.8	12
161	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.	1.9	12
162	Measurements of cloud water deposition on vegetation using a lysimeter and a flux gradient technique. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 1990, 42, 285-293.	0.8	11

#	ARTICLE	IF	CITATIONS
163	A Relaxed Eddy Accumulation (REA)-GC/MS system for the determination of halocarbon fluxes. Atmospheric Measurement Techniques, 2009, 2, 437-448.	1.2	11
164	Phase transition observations and discrimination of small cloud particles by light polarization in expansion chamber experiments. Atmospheric Chemistry and Physics, 2016, 16, 3651-3664.	1.9	11
165	Flow rate and source reservoir identification from airborne chemical sampling of the uncontrolled Elgin platform gas release. Atmospheric Measurement Techniques, 2018, 11, 1725-1739.	1.2	11
166	Atmospheric Particles and their Interactions with Natural Surfaces. , 1997, , 45-92.		11
167	Processing of oxidised nitrogen compounds by passage through winter-time orographic cloud. Journal of Atmospheric Chemistry, 1996, 24, 211.	1.4	10
168	Constraints on oceanic methane emissions west of Svalbard from atmospheric in situ measurements and Lagrangian transport modeling. Journal of Geophysical Research D: Atmospheres, 2016, 121, 14188-14200.	1.2	10
169	A model of occult deposition applicable to complex terrain. Quarterly Journal of the Royal Meteorological Society, 1991, 117, 803-823.	1.0	9
170	A field study of the generation of nitrate in a hill cap cloud. Environmental Pollution, 1992, 75, 69-73.	3.7	9
171	Energy and ozone fluxes over sea ice. Atmospheric Environment, 2012, 47, 218-225.	1.9	9
172	Field observations of SIV in cloud. Atmospheric Research, 1999, 50, 345-358.	1.8	8
173	Diurnal and seasonal variations of meteorology and aerosol concentrations in the foothills of the nepal himalayas (Nagarkot: 1,900 m asl). Asia-Pacific Journal of Atmospheric Sciences, 2016, 52, 63-75.	1.3	8
174	A case study of stably stratified airflow over the pennines using an instrumented glider. Boundary-Layer Meteorology, 1989, 46, 153-168.	1.2	7
175	Measurements of cloud water deposition on vegetation using a lysimeter and a flux gradient technique. Tellus, Series B: Chemical and Physical Meteorology, 2022, 42, 285.	0.8	7
176	CityFlux perfluorocarbon tracer experiments. Atmospheric Chemistry and Physics, 2010, 10, 5991-5997.	1.9	7
177	Detection of Airborne Biological Particles in Indoor Air Using a Real-Time Advanced Morphological Parameter UV-LIF Spectrometer and Gradient Boosting Ensemble Decision Tree Classifiers. Atmosphere, 2020, 11, 1039.	1.0	7
178	The effect of solar radiation on occult deposition over hills. Quarterly Journal of the Royal Meteorological Society, 1989, 115, 701-708.	1.0	5
179	Correction to "Aerosol and trace-gas measurements in the Darwin area during the wet season". Journal of Geophysical Research, 2008, 113, .	3.3	5
180	Corrigendum to "Overview: oxidant and particle photochemical processes above a south-east Asian tropical rainforest (the OP3 project): introduction, rationale, location characteristics and tools" published in Atmos. Chem. Phys., 10, 169-199, 2010. Atmospheric Chemistry and Physics, 2010, 10, 563-563.	1.9	5

#	ARTICLE	IF	CITATIONS
181	The import and export of organic nitrogen species at a Scottish ombrotrophic peatland. <i>Biogeosciences</i> , 2016, 13, 2353-2365.	1.3	5
182	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.	1.8	4
183	Linking urban aerosol fluxes in street canyons to larger scale emissions. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 2475-2490.	1.9	4
184	Particle fluxes and condensational uptake over sea ice during COBRA. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	4
185	Are the Fenno-Scandinavian Arctic Wetlands a Significant Regional Source of Formic Acid?. <i>Atmosphere</i> , 2017, 8, 112.	1.0	4
186	Intercomparison study and optical asphericity measurements of small ice particles in the CERN CLOUD experiment. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 3231-3248.	1.2	4
187	Subproject BIATEX-2 Measurement and Interpretation of Land-Atmosphere Aerosol Fluxes: Current Issues and New Approaches. , 2001, , 45-53.		4
188	In Situ Measurements of Cirrus Clouds on a Global Scale. <i>Atmosphere</i> , 2021, 12, 41.	1.0	4
189	Airborne Bacterial and Eukaryotic Community Structure across the United Kingdom Revealed by High-Throughput Sequencing. <i>Atmosphere</i> , 2020, 11, 802.	1.0	3
190	Measurements of the size dependence of cloud droplet deposition at a hill site. , 1988, 114, 1291.		3
191	Quantifying bioaerosol concentrations in dust clouds through online UV-LIF and mass spectrometry measurements at the Cape Verde Atmospheric Observatory. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14473-14490.	1.9	3
192	Comparison of in-situ, satellite and ground-based remote sensing retrievals of liquid cloud microphysics during MACLOUD. <i>AIP Conference Proceedings</i> , 2013, , .	0.3	2
193	The Observation and Characterisation of Fluorescent Bioaerosols Using Real-Time UV-LIF Spectrometry in Hong Kong from June to November 2018. <i>Atmosphere</i> , 2020, 11, 944.	1.0	2
194	Size-resolved measurements of cloud droplet deposition velocity to a forest canopy using an eddy correlation technique. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1991, 117, 623-645.	1.0	2
195	Ozone deposition to coastal waters. , 2001, 127, 539.		2
196	High concentrations of ice crystals in upper-tropospheric tropical clouds: is there a link to biomass and fossil fuel combustion?. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 2269-2292.	1.9	2
197	Identification and verification of ultrafine particle affinity zones in urban neighbourhoods: sample design and data pre-processing. <i>Environmental Health</i> , 2009, 8, S5.	1.7	1
198	Corrigendum to: "Studies of heterogeneous freezing by three different desert dust samples", <i>Atmos. Chem. Phys.</i> , 9, 2805-2824, 2009. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 10079-10080.	1.9	1

#	ARTICLE	IF	CITATIONS
199	Sensitivity of Precipitation to Aerosol and Temperature Perturbation over the Foothills of the Nepal Himalayas. Proceedings (mdpi), 2017, 1, .	0.2	1
200	Arctic Ice Fog: Its Microphysics and Prediction. Springer Polar Sciences, 2020, , 361-414.	0.0	1
201	Measurements and Models of Wet Deposition to Irregular Topography. , 1989, , 213-222.		1
202	Interaction of solar radiation with a hill cap cloud. Atmospheric Research, 1995, 39, 239-260.	1.8	0
203	Aerosol and trace gas measurements over the Birmingham conurbation during PUMA. AIP Conference Proceedings, 2000, , .	0.3	0
204	Aerosol fluxes over an urban canopy. AIP Conference Proceedings, 2000, , .	0.3	0