

M W Gallagher

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.

248
papers

7,508
citations

46
h-index

74
g-index

305
ext. papers

8,491
ext. citations

5.5
avg, IF

5.24
L-index

#	Paper	IF	Citations
248	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	6.8	2
247	In Situ Measurements of Cirrus Clouds on a Global Scale. <i>Atmosphere</i> , 2021 , 12, 41	2.7	2
246	EUREC4A. <i>Earth System Science Data</i> , 2021 , 13, 4067-4119	10.5	26
245	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. <i>Atmosphere</i> , 2020 , 11, 1039	2.7	2
244	Small ice particles at slightly supercooled temperatures in tropical maritime convection. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 3895-3904	6.8	8
243	Testing the near-field Gaussian plume inversion flux quantification technique using unmanned aerial vehicle sampling. <i>Atmospheric Measurement Techniques</i> , 2020 , 13, 1467-1484	4	11
242	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	6.8	
241	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
240	Arctic Ice Fog: Its Microphysics and Prediction. <i>Springer Polar Sciences</i> , 2020 , 361-414	0.4	1
239	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	2.7	1
238	Airborne Bacterial and Eukaryotic Community Structure across the United Kingdom Revealed by High-Throughput Sequencing. <i>Atmosphere</i> , 2020 , 11, 802	2.7	2
237	Real-time sensing of bioaerosols: Review and current perspectives. <i>Aerosol Science and Technology</i> , 2020 , 54, 465-495	3.4	68
236	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	6.8	15
235	Radiative Effects of Secondary Ice Enhancement in Coastal Antarctic Clouds. <i>Geophysical Research Letters</i> , 2019 , 46, 2312-2321	4.9	15
234	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	4.4	26
233	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	6.8	19
232	Intercomparison of Multiple UV-LIF Spectrometers Using the Aerosol Challenge Simulator. <i>Atmosphere</i> , 2019 , 10, 797	2.7	7

231	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
230	Atmospheric Ice-Nucleating Particles in the Dusty Tropical Atlantic. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 2175-2193	4.4	47
229	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	6.8	11
228	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
227	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
226	Machine learning for improved data analysis of biological aerosol using the WIBS. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 6203-6230	4	14
225	Coarse mode mineral dust size distributions, composition and optical properties from AER-D aircraft measurements over the Tropical Eastern Atlantic 2018 ,		1
224	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
223	Flow rate and source reservoir identification from airborne chemical sampling of the uncontrolled Elgin platform gas release. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 1725-1739	4	10
222	Coordinated Airborne Studies in the Tropics (CAST). <i>Bulletin of the American Meteorological Society</i> , 2017 , 98, 145-162	6.1	23
221	Enhanced ozone loss by active inorganic bromine chemistry in the tropical troposphere. <i>Atmospheric Environment</i> , 2017 , 155, 21-28	5.3	17
220	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
219	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	3.6	10
218	Classification of Arctic, Mid-Latitude and Tropical Clouds in the Mixed-Phase Temperature Regime 2017 ,		2
217	Intercomparison study and optical asphericity measurements of small ice particles in the CERN CLOUD experiment. <i>Atmospheric Measurement Techniques</i> , 2017 , 10, 3231-3248	4	3
216	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	4	36
215	Classification of Arctic, midlatitude and tropical clouds in the mixed-phase temperature regime. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 12219-12238	6.8	23
214	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

213	Real-time detection of airborne fluorescent bioparticles in Antarctica. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 14291-14307	6.8	13
212	Real Time Detection of Airborne Bioparticles in Antarctica 2017 ,		1
211	Are the Fenno-Scandinavian Arctic Wetlands a Significant Regional Source of Formic Acid?. <i>Atmosphere</i> , 2017 , 8, 112	2.7	3
210	Sensitivity of Precipitation to Aerosol and Temperature Perturbation over the Foothills of the Nepal Himalayas. <i>Proceedings (mdpi)</i> , 2017 , 1, 144	0.3	1
209	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	0.7	13
208	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
207	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 ⁹	6.8	9
206	Heterogeneous ice nucleation of viscous secondary organic aerosol produced from ozonolysis of α -pinene. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 6495-6509	6.8	51
205	Observations of cloud microphysics and ice formation during COPE. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 799-826	6.8	40
204	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	6.8	31
203	Aqueous phase oxidation of sulphur dioxide by ozone in cloud droplets. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 1693-1712	6.8	35
202	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
201	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
200	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	6.8	52
199	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
198	Phase transition observations and discrimination of small cloud particles by light polarization in expansion chamber experiments. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 3651-3664	6.8	11
197	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
196	Observation of viscosity transition in α -pinene secondary organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 4423-4438	6.8	47

195	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
194	Diurnal and seasonal variations of meteorology and aerosol concentrations in the foothills of the nepal himalayyas (Nagarkot: 1,900 m asl). <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2016 , 52, 63-75	2.1	4
193	Aerosol measurements during COPE: composition, size and sources of CCN and IN at the interface between marine and terrestrial influences 2016 ,		1
192	The import and export of organic nitrogen species at a Scottish ombrotrophic peatland. <i>Biogeosciences</i> , 2016 , 13, 2353-2365	4.6	5
191	The development and evaluation of airborne in situ N ₂ O and CH ₄ sampling using a quantum cascade laser absorption spectrometer (QCLAS). <i>Atmospheric Measurement Techniques</i> , 2016 , 9, 63-77	4	20
190	Quasi-Spherical Ice in Convective Clouds. <i>Journals of the Atmospheric Sciences</i> , 2016 , 73, 3885-3910	2.1	22
189	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
188	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
187	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	4.4	17
186	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
185	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	3.3	10
184	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> , 2015 , 67, 28452	3.3	75
183	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> , 2015 , 67, 28385	3.3	9
182	The origins of ice crystals measured in mixed-phase clouds at the high-alpine site Jungfrauoch. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 12953-12969	6.8	44
181	Investigating a two-component model of solid fuel organic aerosol in London: processes, PM ₁₀ contributions, and seasonality. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 2429-2443	6.8	25
180	Properties and evolution of biomass burning organic aerosol from Canadian boreal forest fires. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 3077-3095	6.8	52
179	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	6.8	33
178	Investigating the annual behaviour of submicron secondary inorganic and organic aerosols in London. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 6351-6366	6.8	37

177	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
176	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
175	Evaluation of hierarchical agglomerative cluster analysis methods for discrimination of primary biological aerosol. <i>Atmospheric Measurement Techniques</i> , 2015 , 8, 4979-4991	4	38
174	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	4.4	41
173	Microphysical properties of cold frontal rainbands. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2014 , 140, 1257-1268	6.4	33
172	Airborne measurements of HC(O)OH in the European Arctic: A winter vs summer comparison. <i>Atmospheric Environment</i> , 2014 , 99, 556-567	5.3	12
171	Measurement of boundary layer ozone concentrations on-board a Skywalker unmanned aerial vehicle. <i>Atmospheric Science Letters</i> , 2014 , 15, n/a-n/a	2.4	13
170	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	6.8	33
169	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	6.8	127
168	The backscatter cloud probe: a compact low-profile autonomous optical spectrometer. <i>Atmospheric Measurement Techniques</i> , 2014 , 7, 1443-1457	4	20
167	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
166	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
165	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
164	Comparison of in-situ, satellite and ground-based remote sensing retrievals of liquid cloud microphysics during MACLOUD 2013,		1
163	Cluster analysis of WIBS single-particle bioaerosol data. <i>Atmospheric Measurement Techniques</i> , 2013 , 6, 337-347	4	57
162	Development of a cavity enhanced absorption spectrometer for airborne measurements of CH ₃ OH and CO ₂ , 2013 ,		2
161	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	6.8	1
160	Observations of fluorescent and biological aerosol at a high-altitude site in central France. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 7415-7428	6.8	54

159	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	6.8	23
158	High concentrations of biological aerosol particles and ice nuclei during and after rain. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 6151-6164	6.8	268
157	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	4	65
156	Energy and ozone fluxes over sea ice. <i>Atmospheric Environment</i> , 2012 , 47, 218-225	5.3	7
155	Particle fluxes and condensational uptake over sea ice during COBRA. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		2
154	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	6.4	16
153	In Situ, Airborne Instrumentation: Addressing and Solving Measurement Problems in Ice Clouds. <i>Bulletin of the American Meteorological Society</i> , 2012 , 93, ES29-ES34	6.1	34
152	Cluster analysis of WIBS single particle bioaerosol data 2012 ,		5
151	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
150	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
149	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
148	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
147	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	6.8	102
146	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
145	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
144	Surface/atmosphere exchange and chemical interactions of reactive nitrogen compounds above a managed grassland. <i>Agricultural and Forest Meteorology</i> , 2011 , 151, 1488-1503	5.8	22
143	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	6.8	80
142	Boundary layer dynamics over London, UK, as observed using Doppler lidar during REPARTEE-II. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 2111-2125	6.8	112

141	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
140	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
139	Continuous bioaerosol monitoring in a tropical environment using a UV fluorescence particle spectrometer. <i>Atmospheric Science Letters</i> , 2011 , 12, 195-199	2.4	41
138	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, 3177-95	5.8	32
137	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, 3196-209	5.8	55
136	Field inter-comparison of eleven atmospheric ammonia measurement techniques. <i>Atmospheric Measurement Techniques</i> , 2010 , 3, 91-112	4	175
135	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	4	42
134	An aerosol chamber investigation of the heterogeneous ice nucleating potential of refractory nanoparticles. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 1227-1247	6.8	33
133	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	6.8	148
132	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	6.8	28
131	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	6.8	120
130	Linking urban aerosol fluxes in street canyons to larger scale emissions. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 2475-2490	6.8	4
129	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	6.8	14
128	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	6.8	102
127	Measurements of iodine monoxide at a semi polluted coastal location. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 3645-3663	6.8	15
126	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 <i>Atmos. Chem. Phys.</i> , 10, 169-199, 2010. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 563-563	6.8	5
125	CityFlux perfluorocarbon tracer experiments. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 5991-5997	6.8	7
124	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	6.8	308

123	Aerosol fluxes and dynamics within and above a tropical rainforest in South-East Asia. <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 9369-9382	6.8	36
122	Dynamics of ammonia exchange with cut grassland: synthesis of results and conclusions of the GRAMINAE Integrated Experiment. <i>Biogeosciences</i> , 2009 , 6, 2907-2934	4.6	47
121	Aerosol fluxes and particle growth above managed grassland. <i>Biogeosciences</i> , 2009 , 6, 1627-1645	4.6	41
120	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, 18447-51	11.5	140
119	Ultrafine particle fluxes above four major European cities. <i>Atmospheric Environment</i> , 2009 , 43, 4714-4721	5.3	47
118	Comparison of ozone fluxes over grassland by gradient and eddy covariance technique. <i>Atmospheric Science Letters</i> , 2009 , 10, 164-169	2.4	21
117	Identification and verification of ultrafine particle affinity zones in urban neighbourhoods: sample design and data pre-processing. <i>Environmental Health</i> , 2009 , 8 Suppl 1, S5	6	1
116	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
115	Direct linkage between tidally driven coastal ozone deposition fluxes, particle emission fluxes, and subsequent CCN formation. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	36
114	Studies of heterogeneous freezing by three different desert dust samples. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 2805-2824	6.8	249
113	Inter-comparison of ammonia fluxes obtained using the Relaxed Eddy Accumulation technique. <i>Biogeosciences</i> , 2009 , 6, 2575-2588	4.6	32
112	A Relaxed Eddy Accumulation (REA)-GC/MS system for the determination of halocarbon fluxes. <i>Atmospheric Measurement Techniques</i> , 2009 , 2, 437-448	4	11
111	Dynamics of ammonia exchange with cut grassland: strategy and implementation of the GRAMINAE Integrated Experiment. <i>Biogeosciences</i> , 2009 , 6, 309-331	4.6	47
110	Intercomparison and assessment of turbulent and physiological exchange parameters of grassland. <i>Biogeosciences</i> , 2009 , 6, 1445-1466	4.6	31
109	Aerosol and trace-gas measurements in the Darwin area during the wet season. <i>Journal of Geophysical Research</i> , 2008 , 113,		37
108	Correction to Aerosol and trace-gas measurements in the Darwin area during the wet season. <i>Journal of Geophysical Research</i> , 2008 , 113,		4
107	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
106	Evaluation of laser absorption spectroscopic techniques for eddy covariance flux measurements of ammonia. <i>Environmental Science & Technology</i> , 2008 , 42, 2041-6	10.3	80

105	Low-cost real-time multiparameter bio-aerosol sensors 2008 ,		40
104	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	6.8	46
103	A review of measurement and modelling results of particle atmosphere-surface exchange. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2008 , 60, 42-75	3.3	118
102	Aerosol partitioning between the interstitial and the condensed phase in mixed-phase clouds. <i>Journal of Geophysical Research</i> , 2007 , 112,		71
101	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	2.6	57
100	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	6.8	32
99	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
98	Challenges in quantifying biosphere-atmosphere exchange of nitrogen species. <i>Environmental Pollution</i> , 2007 , 150, 125-39	9.3	186
97	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
96	Boundary layer structure and decoupling from synoptic scale flow during NAMBLEX. <i>Atmospheric Chemistry and Physics</i> , 2006 , 6, 433-445	6.8	25
95	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	6.4	45
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