

Colin O Dowd

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.

329
papers

21,945
citations

77
h-index

139
g-index

370
ext. papers

24,793
ext. citations

6.6
avg, IF

6.3
L-index

#	Paper	IF	Citations
329	Background levels of black carbon over remote marine locations. <i>Atmospheric Research</i> , 2022 , 271, 106119	12.9	0
328	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
327	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	4	0
326	Measurement report: PM _{2.5} -bound nitrated aromatic compounds in Xi'an, Northwest China: Seasonal variations and contributions to optical properties of brown carbon. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 3685-3697	6.8	2
325	A European aerosol phenomenology - 7: High-time resolution chemical characteristics of submicron particulate matter across Europe. <i>Atmospheric Environment: X</i> , 2021 , 10, 100108	2.8	8
324	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
323	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
322	Envisioning an Integrated Assessment System and Observation Network for the North Atlantic Ocean. <i>Atmosphere</i> , 2021 , 12, 955	2.7	
321	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
320	Study of Emissions from Domestic Solid-Fuel Stove Combustion in Ireland. <i>Energy & Fuels</i> , 2021 , 35, 4966-4978	4.1	4
319	The formation and evolution of secondary organic aerosol during summer in Xi'an: Aqueous phase processing in fog-rain days. <i>Science of the Total Environment</i> , 2021 , 756, 144077	10.2	6
318	A global study of hygroscopicity-driven light-scattering enhancement in the context of other in situ aerosol optical properties. <i>Atmospheric Chemistry and Physics</i> , 2021 , 21, 13031-13050	6.8	2
317	Effect of COVID-19 lockdown on regional pollution in Ireland. <i>Air Quality, Atmosphere and Health</i> , 2021 , 1-14	5.6	0
316	Measurement report of the change of PM composition during the COVID-19 lockdown in urban Xi'an: Enhanced secondary formation and oxidation. <i>Science of the Total Environment</i> , 2021 , 791, 148126	10.2	3
315	Comparison of Backscatter Coefficient at 1064 nm from CALIPSO and Ground-Based Ceilometers over Coastal and Non-Coastal Regions. <i>Atmosphere</i> , 2020 , 11, 1190	2.7	1
314	Characterization of the light-absorbing properties, chromophore composition and sources of brown carbon aerosol in Xi'an, northwestern China. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 5129-5144	6.8	25
313	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

312	Water-Insoluble Organics Dominate Brown Carbon in Wintertime Urban Aerosol of China: Chemical Characteristics and Optical Properties. <i>Environmental Science & Technology</i> , 2020 , 54, 7836-7847	10.3	22
311	Chemical nature and sources of fine particles in urban Beijing: Seasonality and formation mechanisms. <i>Environment International</i> , 2020 , 140, 105732	12.9	13
310	Comprehensive Source Apportionment of Submicron Aerosol in Shijiazhuang, China: Secondary Aerosol Formation and Holiday Effects. <i>ACS Earth and Space Chemistry</i> , 2020 , 4, 947-957	3.2	2
309	Sea-spray regulates sulfate cloud droplet activation over oceans. <i>Npj Climate and Atmospheric Science</i> , 2020 , 3,	8	17
308	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
307	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
306	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
305	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
304	Parameterising Whitecap Coverage Using Sea Surface Imagery 2020 , 7-24		0
303	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
302	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
301	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
300	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
299	Enrichment of organic nitrogen in primary biological particles during advection over the North Atlantic. <i>Atmospheric Environment</i> , 2020 , 222, 117160	5.3	2
298	The fingerprint of the summer 2018 drought in Europe on ground-based atmospheric CO measurements. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020 , 375, 20190513	5.8	15
297	Summertime and wintertime atmospheric processes of secondary aerosol in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 3793-3807	6.8	26
296	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
295	Effects of two different biogenic emission models on modelled ozone and aerosol concentrations in Europe. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 3747-3768	6.8	21

294	Response of the Aerodyne Aerosol Mass Spectrometer to Inorganic Sulfates and Organosulfur Compounds: Applications in Field and Laboratory Measurements. <i>Environmental Science & Technology</i> , 2019 , 53, 5176-5186	10.3	30
293	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
292	Atmospheric HCFC-22, HFC-125, and HFC-152a at Cape Point, South Africa. <i>Environmental Science & Technology</i> , 2019 , 53, 8967-8975	10.3	5
291	Distinctions in source regions and formation mechanisms of secondary aerosol in Beijing from summer to winter. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 10319-10334	6.8	30
290	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
289	Sources of organic aerosols in Europe: a modeling study using CAMx with modified volatility basis set scheme. <i>Atmospheric Chemistry and Physics</i> , 2019 , 19, 15247-15270	6.8	16
288	Summertime Aerosol over the West of Ireland Dominated by Secondary Aerosol during Long-Range Transport. <i>Atmosphere</i> , 2019 , 10, 59	2.7	5
287	Long-term cloud condensation nuclei number concentration, particle number size distribution and chemical composition measurements at regionally representative observatories. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 2853-2881	6.8	62
286	Novel insights on new particle formation derived from a pan-european observing system. <i>Scientific Reports</i> , 2018 , 8, 1482	4.9	34
285	Vertical wind velocity measurements using a five-hole probe with remotely piloted aircraft to study aerosol/cloud interactions. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 2583-2599	4	14
284	Evaluation of Fog and Low Stratus Cloud Microphysical Properties Derived from In Situ Sensor, Cloud Radar and SYRSOC Algorithm. <i>Atmosphere</i> , 2018 , 9, 169	2.7	7
283	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
282	A European aerosol phenomenology 6: scattering properties of atmospheric aerosol particles from 28 ACTRIS sites. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 7877-7911	6.8	46
281	Summertime Primary and Secondary Contributions to Southern Ocean Cloud Condensation Nuclei. <i>Scientific Reports</i> , 2018 , 8, 13844	4.9	43
280	Organosulfates in atmospheric aerosol: synthesis and quantitative analysis of PM _{2.5} from Xi'an, northwestern China. <i>Atmospheric Measurement Techniques</i> , 2018 , 11, 3447-3456	4	32
279	Global analysis of continental boundary layer new particle formation based on long-term measurements. <i>Atmospheric Chemistry and Physics</i> , 2018 , 18, 14737-14756	6.8	73
278	Source-Specific Health Risk Analysis on Particulate Trace Elements: Coal Combustion and Traffic Emission As Major Contributors in Wintertime Beijing. <i>Environmental Science & Technology</i> , 2018 , 52, 10967-10974	10.3	68
277	Extreme air pollution from residential solid fuel burning. <i>Nature Sustainability</i> , 2018 , 1, 512-517	22.1	31

276	Brown Carbon Aerosol in Urban Xi'an, Northwest China: The Composition and Light Absorption Properties. <i>Environmental Science & Technology</i> , 2018 , 52, 6825-6833	10.3	86
275	Surface tension prevails over solute effect in organic-influenced cloud droplet activation. <i>Nature</i> , 2017 , 546, 637-641	50.4	162
274	Sophisticated Clean Air Strategies Required to Mitigate Against Particulate Organic Pollution. <i>Scientific Reports</i> , 2017 , 7, 44737	4.9	6
273	Concentration and sources of atmospheric nitrous acid (HONO) at an urban site in Western China. <i>Science of the Total Environment</i> , 2017 , 593-594, 165-172	10.2	49
272	Collocated observations of cloud condensation nuclei, particle size distributions, and chemical composition. <i>Scientific Data</i> , 2017 , 4, 170003	8.2	27
271	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
270	Top-down and Bottom-up aerosol-cloud-closure: towards understanding sources of uncertainty in deriving cloud radiative flux 2017 ,		1
269	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
268	Comparisons of aerosol backscatter using satellite and ground lidars: implications for calibrating and validating spaceborne lidar. <i>Scientific Reports</i> , 2017 , 7, 42337	4.9	6
267	Antarctic sea ice region as a source of biogenic organic nitrogen in aerosols. <i>Scientific Reports</i> , 2017 , 7, 6047	4.9	43
266	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
265	Severe Pollution in China Amplified by Atmospheric Moisture. <i>Scientific Reports</i> , 2017 , 7, 15760	4.9	122
264	Arctic sea ice melt leads to atmospheric new particle formation. <i>Scientific Reports</i> , 2017 , 7, 3318	4.9	67
263	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
262	Modelling winter organic aerosol at the European scale with CAMx: evaluation and source apportionment with a VBS parameterization based on novel wood burning smog chamber experiments. <i>Atmospheric Chemistry and Physics</i> , 2017 , 17, 7653-7669	6.8	45
261	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
260	Molecular-scale evidence of aerosol particle formation via sequential addition of HIO. <i>Nature</i> , 2016 , 537, 532-534	50.4	155
259	Improving Model Simulations of Volcanic Emission Clouds and Assessing Model Uncertainties. <i>Geophysical Monograph Series</i> , 2016 , 105-124	1.1	3

258	Ubiquity of organic nitrates from nighttime chemistry in the European submicron aerosol. <i>Geophysical Research Letters</i> , 2016 , 43, 7735-7744	4.9	119
257	Evaluation of European air quality modelled by CAMx including the volatility basis set scheme. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 10313-10332	6.8	35
256	Marine submicron aerosol gradients, sources and sinks. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 12425-12439	6.8	8
255	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
254	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
253	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
252	On the Origin of AMS "Cooking Organic Aerosol" at a Rural Site. <i>Environmental Science & Technology</i> , 2015 , 49, 13964-72	10.3	28
251	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
250	Turbulent structure and scaling of the inertial subrange in a stratocumulus-topped boundary layer observed by a Doppler lidar. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 5873-5885	6.8	10
249	A synthesis of cloud condensation nuclei counter (CCNC) measurements within the EUCAARI network. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 12211-12229	6.8	35
248	CALIOP near-real-time backscatter products compared to EARLINET data. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 12179-12191	6.8	6
247	ACTRIS ACSM intercomparison [Part 1: Reproducibility of concentration and fragment results from 13 individual Quadrupole Aerosol Chemical Speciation Monitors (Q-ACSM) and consistency with co-located instruments. <i>Atmospheric Measurement Techniques</i> , 2015 , 8, 5063-5087	4	79
246	ACTRIS ACSM intercomparison [Part 2: Intercomparison of ME-2 organic source apportionment results from 15 individual, co-located aerosol mass spectrometers. <i>Atmospheric Measurement Techniques</i> , 2015 , 8, 2555-2576	4	92
245	Abstract LB-257: Discovery and characterization of novel, highly potent and selective USP7 inhibitors 2015 ,		2
244	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
243	Composition of 1585 nm particles in marine air. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 11557-11569	6.8	28
242	Measurements of the aerosol chemical composition and mixing state in the Po Valley using multiple spectroscopic techniques. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 12109-12132	6.8	39
241	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

240	Global modelling of direct and indirect effects of sea spray aerosol using a source function encapsulating wave state. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 11731-11752	6.8	24
239	Missing SO ₂ oxidant in the coastal atmosphere? Observations from high-resolution measurements of OH and atmospheric sulfur compounds. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 12209-12223	6.8	32
238	A sea spray aerosol flux parameterization encapsulating wave state. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 1837-1852	6.8	88
237	Organic aerosol concentration and composition over Europe: insights from comparison of regional model predictions with aerosol mass spectrometer factor analysis. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 9061-9076	6.8	56
236	Hygroscopic and chemical characterisation of Po Valley aerosol. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 1557-1570	6.8	9
235	Variations in tropospheric submicron particle size distributions across the European continent 2008-2009. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 4327-4348	6.8	31
234	Intercomparison and evaluation of global aerosol microphysical properties among AeroCom models of a range of complexity. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 4679-4713	6.8	114
233	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
232	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
231	Determination of alkylamines in atmospheric aerosol particles: a comparison of gas chromatography-mass spectrometry and ion chromatography approaches. <i>Atmospheric Measurement Techniques</i> , 2014 , 7, 2027-2035	4	27
230	Ocean-Atmosphere Interactions of Particles. <i>Springer Earth System Sciences</i> , 2014 , 171-246	0.3	21
229	Maintenance of iodine intake. <i>Thyroid Research</i> , 2013 , 6, A52	2.4	78
228	Assessment of changing meteorology and emissions on air quality using a regional climate model: Impact on ozone. <i>Atmospheric Environment</i> , 2013 , 69, 198-210	5.3	21
227	Measurements of stratospheric ozone at a mid-latitude observing station Valentia, Ireland (51.94° N, 10.25° W), using ground-based and ozonesonde observations from 1994 to 2009. <i>Journal of Atmospheric Chemistry</i> , 2013 , 70, 297-316	3.2	0
226	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
225	Assessment of the effects of changing meteorology on future isoprene and isoprene SOA using a regional climate model 2013 ,		1
224	Cleaner air: Brightening the pollution perspective? 2013 ,		2
223	Comparison of in-situ, satellite and ground-based remote sensing retrievals of liquid cloud microphysics during MACLOUD 2013 ,		1

222	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
221	On the spatial distribution and evolution of ultrafine particles in Barcelona. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 741-759	6.8	64
220	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
219	Aerosol decadal trends [Part 1: In-situ optical measurements at GAW and IMPROVE stations. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 869-894	6.8	102
218	Continuous atmospheric boundary layer observations in the coastal urban area of Barcelona during SAPUSS. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 4983-4996	6.8	20
217	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
216	Aerosol decadal trends [Part 2: In-situ aerosol particle number concentrations at GAW and ACTRIS stations. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 895-916	6.8	61
215	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
214	Bistable effect of organic enrichment on sea spray radiative properties. <i>Geophysical Research Letters</i> , 2013 , 40, 6395-6398	4.9	18
213	The Eyjafjallajökull ash plume [Part I: Physical, chemical and optical characteristics. <i>Atmospheric Environment</i> , 2012 , 48, 129-142	5.3	19
212	The Eyjafjallajökull ash plume [Part 2: Simulating ash cloud dispersion with REMOTE. <i>Atmospheric Environment</i> , 2012 , 48, 143-151	5.3	15
211	Impact of volcanic ash plume aerosol on cloud microphysics. <i>Atmospheric Environment</i> , 2012 , 48, 205-218	5.3	7
210	Uncertainties in the determination of global sub-micron marine organic matter emissions. <i>Atmospheric Environment</i> , 2012 , 57, 289-300	5.3	21
209	Evaluation of Mixing-Height Retrievals from Automatic Profiling Lidars and Ceilometers in View of Future Integrated Networks in Europe. <i>Boundary-Layer Meteorology</i> , 2012 , 143, 49-75	3.4	181
208	Coastal iodine emissions. 1. Release of I ₂ by <i>Laminaria digitata</i> in chamber experiments. <i>Environmental Science & Technology</i> , 2012 , 46, 10413-21	10.3	17
207	Coastal iodine emissions: part 2. Chamber experiments of particle formation from <i>Laminaria digitata</i> -derived and laboratory-generated I ₂ . <i>Environmental Science & Technology</i> , 2012 , 46, 10422-8	10.3	11
206	Wind-driven influences on aerosol light scattering in north-east Atlantic air. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	11
205	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

204	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
203	Mobility particle size spectrometers: harmonization of technical standards and data structure to facilitate high quality long-term observations of atmospheric particle number size distributions. <i>Atmospheric Measurement Techniques</i> , 2012 , 5, 657-685	4	531
202	Photochemical Impact on Ozone Fluxes in Coastal Waters. <i>Advances in Meteorology</i> , 2012 , 2012, 1-6	1.7	1
201	An Assessment of Pseudo-Operational Ground-Based Light Detection and Ranging Sensors to Determine the Boundary-Layer Structure in the Coastal Atmosphere. <i>Advances in Meteorology</i> , 2012 , 2012, 1-18	1.7	26
200	The regional aerosol-climate model REMO-HAM. <i>Geoscientific Model Development</i> , 2012 , 5, 1323-1339	6.3	16
199	On the contribution of organics to the North East Atlantic aerosol number concentration. <i>Environmental Research Letters</i> , 2012 , 7, 044013	6.2	14
198	Functionalization and fragmentation during ambient organic aerosol aging: application of the 2-D volatility basis set to field studies. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 10797-10816	6.8	71
197	Model evaluation of marine primary organic aerosol emission schemes. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 8553-8566	6.8	28
196	Simulating ultrafine particle formation in Europe using a regional CTM: contribution of primary emissions versus secondary formation to aerosol number concentrations. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 8663-8677	6.8	32
195	An assessment of the surface ozone trend in Ireland relevant to air pollution and environmental protection. <i>Atmospheric Pollution Research</i> , 2012 , 3, 341-351	4.5	11
194	Aerosol in Global Atmosphere 2012 , 239-278		
193	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
192	Modeled optical thickness of sea-salt aerosol. <i>Journal of Geophysical Research</i> , 2011 , 116,		13
191	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
190	Production flux of sea spray aerosol. <i>Reviews of Geophysics</i> , 2011 , 49,	23.1	366
189	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
188	Evidence of a natural marine source of oxalic acid and a possible link to glyoxal. <i>Journal of Geophysical Research</i> , 2011 , 116,		72
187	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

186	Evaluation of a three-dimensional chemical transport model (PMCAMx) in the European domain during the EUCAARI May 2008 campaign. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 10331-10347	6.8	96
185	General overview: European Integrated project on Aerosol Cloud Climate and Air Quality interactions (EUCAARI) Integrating aerosol research from nano to global scales. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 13061-13143	6.8	231
184	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
183	Overview of the synoptic and pollution situation over Europe during the EUCAARI-LONGREX field campaign. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 1065-1082	6.8	66
182	Primary versus secondary contributions to particle number concentrations in the European boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 12007-12036	6.8	95
181	A statistical analysis of North East Atlantic (submicron) aerosol size distributions. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 12567-12578	6.8	28
180	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
179	Investigating organic aerosol loading in the remote marine environment. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 8847-8860	6.8	47
178	Number size distributions and seasonality of submicron particles in Europe 2008-2009. <i>Atmospheric Chemistry and Physics</i> , 2011 , 11, 5505-5538	6.8	172
177	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
176	Does iodine gas released from seaweed contribute to dietary iodine intake?. <i>Environmental Geochemistry and Health</i> , 2011 , 33, 389-97	4.7	22
175	Seasonal Variation of the Aerosol Light Scattering Coefficient in Marine Air of the Northeast Atlantic. <i>Advances in Meteorology</i> , 2011 , 2011, 1-6	1.7	8
174	Ground-based retrieval of continental and marine warm cloud microphysics. <i>Atmospheric Measurement Techniques</i> , 2011 , 4, 2749-2765	4	23
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