

# Colin O'Dowd

## List of Publications by Year in descending order

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351  
papers

27,103  
citations

7096

78  
h-index

9345

143  
g-index

370  
all docs

370  
docs citations

370  
times ranked

13300  
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-scale analysis of marine boundary layer aerosol evolution: Lagrangian case studies under clean and polluted cloudy conditions. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 52, 423.	1.6	20
2	An overview of the Lagrangian experiments undertaken during the North Atlantic regional Aerosol Characterisation Experiment (ACE-2). <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 52, 290.	1.6	40
3	Observations of the evolution of the aerosol, cloud and boundary-layer characteristics during the 1st ACE-2 Lagrangian experiment. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 52, 348.	1.6	16
4	Evolution of the aerosol, cloud and boundary-layer dynamic and thermodynamic characteristics during the 2nd Lagrangian experiment of ACE-2. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 52, 375.	1.6	16
5	Boundary layer and aerosol evolution during the 3rd Lagrangian experiment of ACE-2. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 52, 401.	1.6	21
6	Physical characterization of aerosol particles during nucleation events. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 53, 344.	1.6	131
7	Seasonality of Aerosol Sources Calls for Distinct Air Quality Mitigation Strategies. <i>Toxics</i> , 2022, 10, 121.	3.7	2
8	Sea spray as an obscured source for marine cloud nuclei. <i>Nature Geoscience</i> , 2022, 15, 282-286.	12.9	27
9	Background levels of black carbon over remote marine locations. <i>Atmospheric Research</i> , 2022, 271, 106119.	4.1	4
10	Phytoplankton Impact on Marine Cloud Microphysical Properties Over the Northeast Atlantic Ocean. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	3
11	European aerosol phenomenology â” 8: Harmonised source apportionment of organic aerosol using 22 Year-long ACSM/AMS datasets. <i>Environment International</i> , 2022, 166, 107325.	10.0	41
12	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, .	7.1	25
13	Study of Emissions from Domestic Solid-Fuel Stove Combustion in Ireland. <i>Energy &amp; Fuels</i> , 2021, 35, 4966-4978.	5.1	17
14	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.	8.0	19
15	Measurement report: PM <sub>2.5</sub> -bound nitrated aromatic compounds in Xi'an, Northwest China â” seasonal variations and contributions to optical properties of brown carbon. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3685-3697.	4.9	18
16	A European aerosol phenomenology - 7: High-time resolution chemical characteristics of submicron particulate matter across Europe. <i>Atmospheric Environment: X</i> , 2021, 10, 100108.	1.4	23
17	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.	3.3	5
18	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.	4.9	3

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19	Envisioning an Integrated Assessment System and Observation Network for the North Atlantic Ocean. <i>Atmosphere</i> , 2021, 12, 955.	2.3	0
20	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.	4.9	7
21	Effect of COVID-19 lockdown on regional pollution in Ireland. <i>Air Quality, Atmosphere and Health</i> , 2021, , 1-14.	3.3	5
22	Measurement report of the change of PM <sub>2.5</sub> 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.	8.0	14
23	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.	3.1	3
24	Particulate methanesulfonic acid over the central Mediterranean Sea: Source region identification and relationship with phytoplankton activity. <i>Atmospheric Research</i> , 2020, 237, 104837.	4.1	11
25	Enrichment of organic nitrogen in primary biological particles during advection over the North Atlantic. <i>Atmospheric Environment</i> , 2020, 222, 117160.	4.1	2
26	The fingerprint of the summer 2018 drought in Europe on ground-based atmospheric CO <sub>2</sub> measurements. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190513.	4.0	31
27	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.	2.3	2
28	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.	4.9	54
29	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.	3.3	10
30	Water-Insoluble Organics Dominate Brown Carbon in Wintertime Urban Aerosol of China: Chemical Characteristics and Optical Properties. <i>Environmental Science &amp; Technology</i> , 2020, 54, 7836-7847.	10.0	72
31	Chemical nature and sources of fine particles in urban Beijing: Seasonality and formation mechanisms. <i>Environment International</i> , 2020, 140, 105732.	10.0	26
32	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.	2.7	9
33	Sea-spray regulates sulfate cloud droplet activation over oceans. <i>Npj Climate and Atmospheric Science</i> , 2020, 3, .	6.8	32
34	Contribution of Water-Soluble Organic Matter from Multiple Marine Geographic Eco-Regions to Aerosols around Antarctica. <i>Environmental Science &amp; Technology</i> , 2020, 54, 7807-7817.	10.0	13
35	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.	4.9	19
36	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.	4.9	21

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37	Effects of NH <sub>3</sub> and alkaline metals on the formation of particulate sulfate and nitrate in wintertime Beijing. <i>Science of the Total Environment</i> , 2020, 717, 137190.	8.0	26
38	Summertime and wintertime atmospheric processes of secondary aerosol in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 3793-3807.	4.9	55
39	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.	8.0	16
40	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.	4.9	34
41	Parameterising Whitecap Coverage Using Sea Surface Imagery. , 2020, , 7-24.		1
42	Comparison of backscatter coefficient at 1064nm from CALIPSO and ground-based ceilometers over coastal and non-coastal regions. , 2020, , .		0
43	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.	4.9	10
44	Atmospheric HCFC-22, HFC-125, and HFC-152a at Cape Point, South Africa. <i>Environmental Science &amp; Technology</i> , 2019, 53, 8967-8975.	10.0	9
45	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.	4.9	42
46	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.	2.7	34
47	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.	4.9	36
48	Response of the Aerodyne Aerosol Mass Spectrometer to Inorganic Sulfates and Organosulfur Compounds: Applications in Field and Laboratory Measurements. <i>Environmental Science &amp; Technology</i> , 2019, 53, 5176-5186.	10.0	41
49	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.	4.9	74
50	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.	4.9	35
51	Summertime Aerosol over the West of Ireland Dominated by Secondary Aerosol during Long-Range Transport. <i>Atmosphere</i> , 2019, 10, 59.	2.3	7
52	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.	4.9	14
53	Abstract LB-087: Discovery and development of first-in-class orally bioavailable USP19 inhibitors. <i>Cancer Research</i> , 2019, 79, LB-087-LB-087.	0.9	2
54	Abstract 4423: Antitumor activity of the novel oral highly selective Wee1 inhibitor Debio 0123. <i>Cancer Research</i> , 2019, 79, 4423-4423.	0.9	3

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55	Abstract LB-049: Targeting the ubiquitin-proteasome system by small molecule inhibition of the DUBome. , 2019, , .		0
56	Long-term cloud condensation nuclei number concentration, particle number size distribution and chemical composition measurements at regionally representative observatories. Atmospheric Chemistry and Physics, 2018, 18, 2853-2881.	4.9	108
57	Novel insights on new particle formation derived from a pan-european observing system. Scientific Reports, 2018, 8, 1482.	3.3	39
58	AAEuropean aerosol phenomenology " 6: scattering properties of atmospheric aerosol particles from 28ACTRIS sites. Atmospheric Chemistry and Physics, 2018, 18, 7877-7911.	4.9	76
59	Summertime Primary and Secondary Contributions to Southern Ocean Cloud Condensation Nuclei. Scientific Reports, 2018, 8, 13844.	3.3	63
60	Organosulfates in atmospheric aerosol: synthesis and quantitative analysis of PM<sub>2.5</sub> from Xi'an, northwestern China. Atmospheric Measurement Techniques, 2018, 11, 3447-3456.	3.1	44
61	Global analysis of continental boundary layer new particle formation based on long-term measurements. Atmospheric Chemistry and Physics, 2018, 18, 14737-14756.	4.9	113
62	Source-Specific Health Risk Analysis on Particulate Trace Elements: Coal Combustion and Traffic Emission As Major Contributors in Wintertime Beijing. Environmental Science & Technology, 2018, 52, 10967-10974.	10.0	125
63	Extreme air pollution from residential solid fuel burning. Nature Sustainability, 2018, 1, 512-517.	23.7	59
64	Brown Carbon Aerosol in Urban Xi'an, Northwest China: The Composition and Light Absorption Properties. Environmental Science & Technology, 2018, 52, 6825-6833.	10.0	149
65	Vertical wind velocity measurements using a five-hole probe with remotely piloted aircraft to study aerosol-cloud interactions. Atmospheric Measurement Techniques, 2018, 11, 2583-2599.	3.1	25
66	Evaluation of Fog and Low Stratus Cloud Microphysical Properties Derived from In Situ Sensor, Cloud Radar and SYRSOC Algorithm. Atmosphere, 2018, 9, 169.	2.3	12
67	Marine and Terrestrial Organic Ice-Nucleating Particles in Pristine Marine to Continentally Influenced Northeast Atlantic Air Masses. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6196-6212.	3.3	98
68	Abstract 4869: Discovery and characterization of highly potent and selective USP7 inhibitors and benchmarking against clinical MDM2 antagonists. , 2018, , .		0
69	Abstract 1935: Accessing the cancer DUBome with UbiPlex: A bespoke drug discovery platform for deubiquitinase enzymes. , 2018, , .		0
70	Surface tension prevails over solute effect in organic-influenced cloud droplet activation. Nature, 2017, 546, 637-641.	27.8	232
71	Sophisticated Clean Air Strategies Required to Mitigate Against Particulate Organic Pollution. Scientific Reports, 2017, 7, 44737.	3.3	11
72	Concentration and sources of atmospheric nitrous acid (HONO) at an urban site in Western China. Science of the Total Environment, 2017, 593-594, 165-172.	8.0	75

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73	Collocated observations of cloud condensation nuclei, particle size distributions, and chemical composition. <i>Scientific Data</i> , 2017, 4, 170003.	5.3	44
74	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.	4.1	3
75	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.	3.3	75
76	Comparisons of aerosol backscatter using satellite and ground lidars: implications for calibrating and validating spaceborne lidar. <i>Scientific Reports</i> , 2017, 7, 42337.	3.3	8
77	Antarctic sea ice region as a source of biogenic organic nitrogen in aerosols. <i>Scientific Reports</i> , 2017, 7, 6047.	3.3	63
78	Characterization of Primary Organic Aerosol from Domestic Wood, Peat, and Coal Burning in Ireland. <i>Environmental Science &amp; Technology</i> , 2017, 51, 10624-10632.	10.0	31
79	Severe Pollution in China Amplified by Atmospheric Moisture. <i>Scientific Reports</i> , 2017, 7, 15760.	3.3	151
80	Arctic sea ice melt leads to atmospheric new particle formation. <i>Scientific Reports</i> , 2017, 7, 3318.	3.3	101
81	Contribution of feldspar and marine organic aerosols to global ice nucleating particle concentrations. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 3637-3658.	4.9	144
82	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.	4.9	58
83	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.	4.9	21
84	Abstract B17: Development of novel, potent orally available Wee1 inhibitors with robust antitumor efficacy in vivo. , 2017, , .		0
85	Abstract LB-319: Development and characterization of ADC999: A novel, potent orally available Wee1 inhibitor with robust antitumor efficacy in vivo. , 2017, , .		0
86	Abstract 1181: Discovery and development of novel highly potent and selective inhibitors of USP19 using UbiPlex, , 2017, , .		0
87	Stable isotopes measurements reveal dual carbon pools contributing to organic matter enrichment in marine aerosol. <i>Scientific Reports</i> , 2016, 6, 36675.	3.3	37
88	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.	3.3	8
89	Molecular-scale evidence of aerosol particle formation via sequential addition of HIO <sub>3</sub> . <i>Nature</i> , 2016, 537, 532-534.	27.8	237
90	Ubiquity of organic nitrates from nighttime chemistry in the European submicron aerosol. <i>Geophysical Research Letters</i> , 2016, 43, 7735-7744.	4.0	182

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91	Evaluation of European air quality modelled by CAMx including the volatility basis set scheme. Atmospheric Chemistry and Physics, 2016, 16, 10313-10332.	4.9	47
92	Marine submicron aerosol gradients, sources and sinks. Atmospheric Chemistry and Physics, 2016, 16, 12425-12439.	4.9	12
93	Geochemistry of PM <sub>10</sub> over Europe during the EMEP intensive measurement periods in summer 2012 and winter 2013. Atmospheric Chemistry and Physics, 2016, 16, 6107-6129.	4.9	54
94	Abstract LB-159: A novel, potent and selective inhibitor of Wee1 with robust antitumor activity in various cancer xenograph models. , 2016, , .		0
95	Connecting marine productivity to sea-spray via nanoscale biological processes: Phytoplankton Dance or Death Disco?. Scientific Reports, 2015, 5, 14883.	3.3	75
96	Turbulent structure and scaling of the inertial subrange in a stratocumulus-topped boundary layer observed by a Doppler lidar. Atmospheric Chemistry and Physics, 2015, 15, 5873-5885.	4.9	12
97	A synthesis of cloud condensation nuclei counter (CCNC) measurements within the EUCAARI network. Atmospheric Chemistry and Physics, 2015, 15, 12211-12229.	4.9	58
98	CALIOP near-real-time backscatter products compared to EARLINET data. Atmospheric Chemistry and Physics, 2015, 15, 12179-12191.	4.9	9
99	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. Atmospheric Measurement Techniques, 2015, 8, 5063-5087.	3.1	104
100	ACTRIS ACSM intercomparison " Part 2: Intercomparison of ME-2 organic source apportionment results from 15 individual, co-located aerosol mass spectrometers. Atmospheric Measurement Techniques, 2015, 8, 2555-2576.	3.1	118
101	On the Origin of AMS "Cooking Organic Aerosol" at a Rural Site. Environmental Science & Technology, 2015, 49, 13964-13972.	10.0	38
102	Abstract LB-257: Discovery and characterization of novel, highly potent and selective USP7 inhibitors. , 2015, , .		2
103	Determination of alkylamines in atmospheric aerosol particles: a comparison of gas chromatography-mass spectrometry and ion chromatography approaches. Atmospheric Measurement Techniques, 2014, 7, 2027-2035.	3.1	36
104	Apportionment of urban aerosol sources in Cork (Ireland) by synergistic measurement techniques. Science of the Total Environment, 2014, 493, 197-208.	8.0	18
105	Composition of 15-85 nm particles in marine air. Atmospheric Chemistry and Physics, 2014, 14, 11557-11569.	4.9	39
106	Measurements of the aerosol chemical composition and mixing state in the Po Valley using multiple spectroscopic techniques. Atmospheric Chemistry and Physics, 2014, 14, 12109-12132.	4.9	46
107	Do anthropogenic, continental or coastal aerosol sources impact on a marine aerosol signature at Mace Head?. Atmospheric Chemistry and Physics, 2014, 14, 10687-10704.	4.9	42
108	Global modelling of direct and indirect effects of sea spray aerosol using a source function encapsulating wave state. Atmospheric Chemistry and Physics, 2014, 14, 11731-11752.	4.9	33

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109	Missing SO <sub>2</sub> oxidant in the coastal atmosphere? â€œ observations from high-resolution measurements of OH and atmospheric sulfur compounds. Atmospheric Chemistry and Physics, 2014, 14, 12209-12223.	4.9	38
110	A sea spray aerosol flux parameterization encapsulating wave state. Atmospheric Chemistry and Physics, 2014, 14, 1837-1852.	4.9	113
111	Organic aerosol concentration and composition over Europe: insights from comparison of regional model predictions with aerosol mass spectrometer factor analysis. Atmospheric Chemistry and Physics, 2014, 14, 9061-9076.	4.9	68
112	Hygroscopic and chemical characterisation of Po Valley aerosol. Atmospheric Chemistry and Physics, 2014, 14, 1557-1570.	4.9	11
113	Variations in tropospheric submicron particle size distributions across the European continent 2008â€“2009. Atmospheric Chemistry and Physics, 2014, 14, 4327-4348.	4.9	41
114	Intercomparison and evaluation of global aerosol microphysical properties among AeroCom models of a range of complexity. Atmospheric Chemistry and Physics, 2014, 14, 4679-4713.	4.9	148
115	Organic aerosol components derived from 25 AMS data sets across Europe using a consistent ME-2 based source apportionment approach. Atmospheric Chemistry and Physics, 2014, 14, 6159-6176.	4.9	308
116	Submicron NE Atlantic marine aerosol chemical composition and abundance: Seasonal trends and air mass categorization. Journal of Geophysical Research D: Atmospheres, 2014, 119, 11,850-11,863.	3.3	65
117	Oceanâ€“Atmosphere Interactions of Particles. Springer Earth System Sciences, 2014, , 171-246.	0.2	29
118	Maintenance of iodine intake. Thyroid Research, 2013, 6, A52.	1.5	0
119	Assessment of changing meteorology and emissions on air quality using a regional climate model: Impact on ozone. Atmospheric Environment, 2013, 69, 198-210.	4.1	24
120	Measurements of stratospheric ozone at a mid-latitude observing station Valentia, Ireland (51.94Â° N,) Tj ETQq0 0 0 rgBT /Overlock 10 Atmospheric Chemistry, 2013, 70, 297-316.	3.2	1
121	Ground-based remote sensing profiling of aerosols and mass concentration above Mace Head, Ireland. , 2013, , .		0
122	Characterization of volcanic ash from the 2011 GrÃmsvÃrtn eruption byÃmeans of single-particle analysis. Atmospheric Environment, 2013, 79, 411-420.	4.1	14
123	Modelling marine aerosol precursor vapours & impact on aerosol population. , 2013, , .		0
124	Assessment of the effects of changing meteorology on future isoprene and isoprene SOA using a regional climate model. AIP Conference Proceedings, 2013, , .	0.4	1
125	Submicron sea salt source fluxes. , 2013, , .		0
126	Aerosol light scattering dependency on wind speed in marine air. , 2013, , .		0



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127	Cleaner air: Brightening the pollution perspective?. , 2013, , .		2
128	Intercontinental and regional transport of air pollution monitored at Mace Head, Ireland and over Europe. , 2013, , .		0
129	Assessment of the effect of trans-boundary air pollution on aerosol concentrations in Ireland. , 2013, , .		0
130	Future aerosol concentrations in Europe: Effects of changing meteorology and emissions. , 2013, , .		0
131	A dual behavior of primary marine organics. , 2013, , .		0
132	Marine organics effect on sea-spray light scattering. , 2013, , .		0
133	Comparison of in-situ, satellite and ground-based remote sensing retrievals of liquid cloud microphysics during MACLOUD. AIP Conference Proceedings, 2013, , .	0.4	2
134	Preface: 19th International Conference on Nucleation and Atmospheric Aerosols. , 2013, , .		0
135	The seaweeds &lt;i>Fucus vesiculosus&lt;/i> and &lt;i>Ascophyllum nodosum&lt;/i> are significant contributors to coastal iodine emissions. Atmospheric Chemistry and Physics, 2013, 13, 5255-5264.	4.9	18
136	On the spatial distribution and evolution of ultrafine particles in Barcelona. Atmospheric Chemistry and Physics, 2013, 13, 741-759.	4.9	85
137	Presenting SAPUSS: Solving Aerosol Problem by Using Synergistic Strategies in Barcelona, Spain. Atmospheric Chemistry and Physics, 2013, 13, 8991-9019.	4.9	27
138	Aerosol decadal trends “ Part 1: In-situ optical measurements at GAW and IMPROVE stations. Atmospheric Chemistry and Physics, 2013, 13, 869-894.	4.9	126
139	Continuous atmospheric boundary layer observations in the coastal urban area of Barcelona during SAPUSS. Atmospheric Chemistry and Physics, 2013, 13, 4983-4996.	4.9	30
140	Characterization of urban aerosol in Cork city (Ireland) using aerosol mass spectrometry. Atmospheric Chemistry and Physics, 2013, 13, 4997-5015.	4.9	75
141	Aerosol decadal trends “ Part 2: In-situ aerosol particle number concentrations at GAW and ACTRIS stations. Atmospheric Chemistry and Physics, 2013, 13, 895-916.	4.9	78
142	Is chlorophyll a the best surrogate for organic matter enrichment in submicron primary marine aerosol?. Journal of Geophysical Research D: Atmospheres, 2013, 118, 4964-4973.	3.3	89
143	Bistable effect of organic enrichment on sea spray radiative properties. Geophysical Research Letters, 2013, 40, 6395-6398.	4.0	20
144	Mobility particle size spectrometers: harmonization of technical standards and data structure to facilitate high quality long-term observations of atmospheric particle number size distributions. Atmospheric Measurement Techniques, 2012, 5, 657-685.	3.1	689

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145	Photochemical Impact on Ozone Fluxes in Coastal Waters. <i>Advances in Meteorology</i> , 2012, 2012, 1-6.	1.6	1
146	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.	1.6	29
147	The regional aerosol-climate model REMO-HAM. <i>Geoscientific Model Development</i> , 2012, 5, 1323-1339.	3.6	19
148	On the contribution of organics to the North East Atlantic aerosol number concentration. <i>Environmental Research Letters</i> , 2012, 7, 044013.	5.2	15
149	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.	4.9	79
150	Model evaluation of marine primary organic aerosol emission schemes. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 8553-8566.	4.9	34
151	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.	4.9	45
152	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.	3.8	12
153	Coastal Iodine Emissions. 1. Release of I <sub>2</sub> by <i>Laminaria digitata</i> in Chamber Experiments. <i>Environmental Science &amp; Technology</i> , 2012, 46, 10413-10421.	10.0	20
154	Coastal Iodine Emissions: Part 2. Chamber Experiments of Particle Formation from <i>Laminaria digitata</i> -Derived and Laboratory-Generated I <sub>2</sub> . <i>Environmental Science &amp; Technology</i> , 2012, 46, 10422-10428.	10.0	13
155	Wind-driven influences on aerosol light scattering in north-east Atlantic air. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	12
156	On the effect of wind speed on submicron sea salt mass concentrations and source fluxes. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	107
157	Nitrogenated and aliphatic organic vapors as possible drivers for marine secondary organic aerosol growth. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	44
158	The Eyjafjallajökull ash plume – Part I: Physical, chemical and optical characteristics. <i>Atmospheric Environment</i> , 2012, 48, 129-142.	4.1	24
159	The Eyjafjallajökull ash plume – Part 2: Simulating ash cloud dispersion with REMOTE. <i>Atmospheric Environment</i> , 2012, 48, 143-151.	4.1	17
160	Impact of volcanic ash plume aerosol on cloud microphysics. <i>Atmospheric Environment</i> , 2012, 48, 205-218.	4.1	9
161	Uncertainties in the determination of global sub-micron marine organic matter emissions. <i>Atmospheric Environment</i> , 2012, 57, 289-300.	4.1	22
162	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.	2.3	219

#	ARTICLE	IF	CITATIONS
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