Mikael Ehn

List of Publications by Year
in descending order

145 papers	18,703 citations	26630 56 h-index	14759 127 g-index
255 all docs	255 docs citations	255 times ranked	8091 citing authors

#	Article	IF	Citations
1	Molecular Composition of Oxygenated Organic Molecules and Their Contributions to Organic Aerosol in Beijing. Environmental Science & Technology, 2022, 56, 770-778.	10.0	16
2	Fragmentation inside proton-transfer-reaction-based mass spectrometers limits the detection of ROOR and ROOH peroxides. Atmospheric Measurement Techniques, 2022, 15, 1811-1827.	3.1	14
3	Secondary organic aerosol formed by condensing anthropogenic vapours over Chinaâ€™s megacities. Nature Geoscience, 2022, 15, 255-261.	12.9	64
4	Influence of biogenic emissions from boreal forests on aerosolâ€“cloud interactions. Nature Geoscience, 2022, 15, 42-47.	12.9	25
5	Terpene emissions from boreal wetlands can initiate stronger atmospheric new particle formation than boreal forests. Communications Earth & Environment, 2022, 3, .	6.8	8
6	Oxidation product characterization from ozonolysis of the diterpene <i>ent</i>-kaurene. Atmospheric Chemistry and Physics, 2022, 22, 5619-5637.	4.9	2
7	European aerosol phenomenology â˜† 8: Harmonised source apportionment of organic aerosol using 22 Year-long ACSM/AMS datasets. Environment International, 2022, 166, 107325.	10.0	41
8	Diurnal evolution of negative atmospheric ions above the boreal forest: from ground level to the free troposphere. Atmospheric Chemistry and Physics, 2022, 22, 8547-8577.	4.9	5
9	Efficient alkane oxidation under combustion engine and atmospheric conditions. Communications Chemistry, 2021, 4, .	4.5	33
10	Molecular mechanism for rapid autoxidation in Î±-pinene ozonolysis. Nature Communications, 2021, 12, 878.	12.8	47
11	Differing Mechanisms of New Particle Formation at Two Arctic Sites. Geophysical Research Letters, 2021, 48, e2020GL091334.	4.0	70
12	Chemical characterisation of benzene oxidation products under high- and low-NO_{<i>x</i>} conditions using chemical ionisation mass spectrometry. Atmospheric Chemistry and Physics, 2021, 21, 3473-3490.	4.9	16
13	Orbitool: a software tool for analyzing online Orbitrap mass spectrometry data. Atmospheric Measurement Techniques, 2021, 14, 2377-2387.	3.1	6
14	Atmospheric organic vapors in two European pine forests measured by a Vocus PTR-TOF: insights into monoterpene and sesquiterpene oxidation processes. Atmospheric Chemistry and Physics, 2021, 21, 4123-4147.	4.9	23
15	Gas-to-Particle Partitioning of Cyclohexene- and Î±-Pinene-Derived Highly Oxygenated Dimers Evaluated Using COSMOtherm. Journal of Physical Chemistry A, 2021, 125, 3726-3738.	2.5	16
16	A European aerosol phenomenology - 7: High-time resolution chemical characteristics of submicron particulate matter across Europe. Atmospheric Environment: X, 2021, 10, 100108.	1.4	23
17	Measurement report: Effects of NO_x and seed aerosol on highly oxygenated organic molecules (HOMs) from cyclohexene ozonolysis. Atmospheric Chemistry and Physics, 2021, 21, 7357-7372.	4.9	5
18	Eight years of sub-micrometre organic aerosol composition data from the boreal forest characterized using a machine-learning approach. Atmospheric Chemistry and Physics, 2021, 21, 10081-10109.	4.9	14

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19	Zeppelin-led study on the onset of new particle formation in the planetary boundary layer. Atmospheric Chemistry and Physics, 2021, 21, 12649-12663.	4.9	9
20	Temperature and volatile organic compound concentrations as controlling factors for chemical composition of <i>Î±</i>-pinene-derived secondary organic aerosol. Atmospheric Chemistry and Physics, 2021, 21, 11545-11562.	4.9	1
21	Structures and reactivity of peroxy radicals and dimeric products revealed by online tandem mass spectrometry. Nature Communications, 2021, 12, 300.	12.8	28
22	Significance of the organic aerosol driven climate feedback in the boreal area. Nature Communications, 2021, 12, 5637.	12.8	38
23	Formation of condensable organic vapors from anthropogenic and biogenic volatile organic compounds (VOCs) is strongly perturbed by NO_{<i>x</i>} in eastern China. Atmospheric Chemistry and Physics, 2021, 21, 14789-14814.	4.9	26
24	Modelling the influence of biotic plant stress on atmospheric aerosol particle processes throughout a growing season. Atmospheric Chemistry and Physics, 2021, 21, 17389-17431.	4.9	6
25	Rapid formation of intense haze episodes via aerosolâ€“boundary layer feedback in Beijing. Atmospheric Chemistry and Physics, 2020, 20, 45-53.	4.9	36
26	Size-dependent influence of NO _x on the growth rates of organic aerosol particles. Science Advances, 2020, 6, eaay4945.	10.3	61
27	Degradation of nanoplastics in the environment: Reactivity and impact on atmospheric and surface waters. Science of the Total Environment, 2020, 742, 140413.	8.0	51
28	Pyruvic acid in the boreal forest: gas-phase mixing ratios and impact on radical chemistry. Atmospheric Chemistry and Physics, 2020, 20, 3697-3711.	4.9	19
29	Formation of highly oxygenated organic molecules from chlorine-atom-initiated oxidation of alpha-pinene. Atmospheric Chemistry and Physics, 2020, 20, 5145-5155.	4.9	20
30	Terpenes and their oxidation products in the French Landes forest: insights from Vocus PTR-TOF measurements. Atmospheric Chemistry and Physics, 2020, 20, 1941-1959.	4.9	46
31	Insights into atmospheric oxidation processes by performing factor analyses on subranges of mass spectra. Atmospheric Chemistry and Physics, 2020, 20, 5945-5961.	4.9	11
32	Multi-generation OH oxidation as a source for highly oxygenated organic molecules from aromatics. Atmospheric Chemistry and Physics, 2020, 20, 515-537.	4.9	78
33	Experimental investigation into the volatilities of highly oxygenated organic molecules (HOMs). Atmospheric Chemistry and Physics, 2020, 20, 649-669.	4.9	45
34	Long-term sub-micrometer aerosol chemical composition in the boreal forest: inter- and intra-annual variability. Atmospheric Chemistry and Physics, 2020, 20, 3151-3180.	4.9	26
35	The Aarhus Chamber Campaign on Highly Oxygenated Organic Molecules and Aerosols (ACCHA): particle formation, organic acids, and dimer esters from <i>Î±</i>-pinene ozonolysis at different temperatures. Atmospheric Chemistry and Physics, 2020, 20, 12549-12567.	4.9	21
36	A novel approach for simple statistical analysis of high-resolution mass spectra. Atmospheric Measurement Techniques, 2019, 12, 3761-3776.	3.1	24

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37	Effect of temperature on the formation of highly oxygenated organic molecules (HOMs) from alpha-pinene ozonolysis. Atmospheric Chemistry and Physics, 2019, 19, 7609-7625.	4.9	41
38	Alkyl nitrates in the boreal forest: formation via the NO₃-, OH- and O₃-induced oxidation of biogenic volatile organic compounds and ambient lifetimes. Atmospheric Chemistry and Physics, 2019, 19, 10391-10403.	4.9	28
39	The role of highly oxygenated organic molecules in the Boreal aerosol-cloud-climate system. Nature Communications, 2019, 10, 4370.	12.8	91
40	Secondary organic aerosol reduced by mixture of atmospheric vapours. Nature, 2019, 565, 587-593.	27.8	222
41	CI-Orbitrap: An Analytical Instrument To Study Atmospheric Reactive Organic Species. Analytical Chemistry, 2019, 91, 9419-9423.	6.5	25
42	Constructing a data-driven receptor model for organic and inorganic aerosol â€“ a synthesis analysis of eight mass spectrometric data sets from a boreal forest site. Atmospheric Chemistry and Physics, 2019, 19, 3645-3672.	4.9	13
43	Evaluating the performance of five different chemical ionization techniques for detecting gaseous oxygenated organic species. Atmospheric Measurement Techniques, 2019, 12, 2403-2421.	3.1	119
44	How well can we predict cluster fragmentation inside a mass spectrometer?. Chemical Communications, 2019, 55, 5946-5949.	4.1	43
45	Highly Oxygenated Organic Molecules (HOM) from Gas-Phase Autoxidation Involving Peroxy Radicals: A Key Contributor to Atmospheric Aerosol. Chemical Reviews, 2019, 119, 3472-3509.	47.7	460
46	Chemical transformations in monoterpene-derived organic aerosol enhanced by inorganic composition. Npj Climate and Atmospheric Science, 2019, 2, .	6.8	36
47	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
48	Long-term observations of the background aerosol at Cabauw, The Netherlands. Science of the Total Environment, 2018, 625, 752-761.	8.0	6
49	Evidence for Diverse Biogeochemical Drivers of Boreal Forest New Particle Formation. Geophysical Research Letters, 2018, 45, 2038-2046.	4.0	31
50	Impact on short-lived climate forcers increases projected warming due to deforestation. Nature Communications, 2018, 9, 157.	12.8	86
51	Measurementâ€“model comparison of stabilized Criegee intermediateÂand highly oxygenated molecule productionÂinÂtheÂCLOUDÂchamber. Atmospheric Chemistry and Physics, 2018, 18, 2363-2380.	4.9	21
52	Direct measurement of NO₃ radical reactivity in a boreal forest. Atmospheric Chemistry and Physics, 2018, 18, 3799-3815.	4.9	45
53	Combined effects of boundary layer dynamics and atmospheric chemistry on aerosol composition during new particle formation periods. Atmospheric Chemistry and Physics, 2018, 18, 17705-17716.	4.9	17
54	Vertical characterization of highly oxygenated molecules (HOMs) below and above a boreal forest canopy. Atmospheric Chemistry and Physics, 2018, 18, 17437-17450.	4.9	34

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55	Multicomponent new particle formation from sulfuric acid, ammonia, and biogenic vapors. Science Advances, 2018, 4, eaau5363.	10.3	164
56	Primary Formation of Highly Oxidized Multifunctional Products in the OH-Initiated Oxidation of Isoprene: A Combined Theoretical and Experimental Study. Environmental Science & Technology, 2018, 52, 12255-12264.	10.0	33
57	The role of H₂SO₄-NH<sub>3</sub&a anion clusters in ion-induced aerosol nucleation mechanisms in the boreal forest. Atmospheric Chemistry and Physics, 2018, 18, 13231-13243.	4.9	33
58	Modelling studies of HOMs and their contributions to new particle formation and growth: comparison of boreal forest in Finland and a polluted environment in China. Atmospheric Chemistry and Physics, 2018, 18, 11779-11791.	4.9	29
59	Atmospheric new particle formation from sulfuric acid and amines in a Chinese megacity. Science, 2018, 361, 278-281.	12.6	415
60	Factors controlling the evaporation of secondary organic aerosol from Î±â€pinene ozonolysis. Geophysical Research Letters, 2017, 44, 2562-2570.	4.0	95
61	Solar eclipse demonstrating the importance of photochemistry in new particle formation. Scientific Reports, 2017, 7, 45707.	3.3	29
62	Chemical Characterization of Gas- and Particle-Phase Products from the Ozonolysis of Î±-Pinene in the Presence of Dimethylamine. Environmental Science & Technology, 2017, 51, 5602-5610.	10.0	25
63	Collocated observations of cloud condensation nuclei, particle size distributions, and chemical composition. Scientific Data, 2017, 4, 170003.	5.3	44
64	Highly Oxygenated Molecules from Atmospheric Autoxidation of Hydrocarbons: A Prominent Challenge for Chemical Kinetics Studies. International Journal of Chemical Kinetics, 2017, 49, 821-831.	1.6	43
65	Formation of Highly Oxidized Radicals and Multifunctional Products from the Atmospheric Oxidation of Alkylbenzenes. Environmental Science & Technology, 2017, 51, 8442-8449.	10.0	99
66	VH-TDMA: A description and verification of an instrument to measure aerosol particle hygroscopicity and volatility. Aerosol Science and Technology, 2017, 51, 97-107.	3.1	8
67	The role of highly oxygenated moleculesÂ(HOMs) in determining the composition of ambient ions in the boreal forest. Atmospheric Chemistry and Physics, 2017, 17, 13819-13831.	4.9	66
68	The role of ions in new particle formation in the CLOUD chamber. Atmospheric Chemistry and Physics, 2017, 17, 15181-15197.	4.9	50
69	Estimates of the organic aerosol volatility in a boreal forest using two independent methods. Atmospheric Chemistry and Physics, 2017, 17, 4387-4399.	4.9	14
70	Volatility of mixed atmospheric humic-like substances and ammonium sulfate particles. Atmospheric Chemistry and Physics, 2017, 17, 3659-3672.	4.9	7
71	Resolving anthropogenic aerosol pollution types â€“ deconvolution and exploratory classification of pollution events. Atmospheric Chemistry and Physics, 2017, 17, 3165-3197.	4.9	23
72	Modeling the role of highly oxidized multifunctional organicÂmolecules for the growth of new particles overÂtheÂborealÂforestÂregion. Atmospheric Chemistry and Physics, 2017, 17, 8887-8901.	4.9	29

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73	Hydroxyl radical-induced formation of highly oxidized organic compounds. Nature Communications, 2016, 7, 13677.	12.8	178
74	Real-Time Detection of Arsenic Cations from Ambient Air in Boreal Forest and Lake Environments. Environmental Science and Technology Letters, 2016, 3, 42-46.	8.7	12
75	Î±-Pinene Autoxidation Products May Not Have Extremely Low Saturation Vapor Pressures Despite High O:C Ratios. Journal of Physical Chemistry A, 2016, 120, 2569-2582.	2.5	95
76	Molecular-scale evidence of aerosol particle formation via sequential addition of HIO3. Nature, 2016, 537, 532-534.	27.8	237
77	A chamber study of the influence of boreal BVOC emissions and sulfuric acid on nanoparticle formation rates at ambient concentrations. Atmospheric Chemistry and Physics, 2016, 16, 1955-1970.	4.9	9
78	Source characterization of highly oxidized multifunctional compounds in a boreal forest environment using positive matrix factorization. Atmospheric Chemistry and Physics, 2016, 16, 12715-12731.	4.9	118
79	Estimating the contribution of organic acids to northern hemispheric continental organic aerosol. Geophysical Research Letters, 2015, 42, 6084-6090.	4.0	43
80	Formation of highly oxidized multifunctional compounds: autoxidation of peroxy radicals formed in the ozonolysis of alkenes â€“ deduced from structureâ€“product relationships. Atmospheric Chemistry and Physics, 2015, 15, 6745-6765.	4.9	162
81	Modelling the contribution of biogenic volatile organic compounds to new particle formation in the JÃ¼lich plant atmosphere chamber. Atmospheric Chemistry and Physics, 2015, 15, 10777-10798.	4.9	19
82	Relating the hygroscopic properties of submicron aerosol to both gas- and particle-phase chemical composition in a boreal forest environment. Atmospheric Chemistry and Physics, 2015, 15, 11999-12009.	4.9	18
83	Elemental composition and clustering behaviour of Î±-pinene oxidation products for different oxidation conditions. Atmospheric Chemistry and Physics, 2015, 15, 4145-4159.	4.9	17
84	Phase partitioning and volatility of secondary organic aerosol components formed from Î±-pinene ozonolysis and OH oxidation: the importance of accretion products and other low volatility compounds. Atmospheric Chemistry and Physics, 2015, 15, 7765-7776.	4.9	126
85	Production of extremely low volatile organic compounds from biogenic emissions: Measured yields and atmospheric implications. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 7123-7128.	7.1	337
86	On the composition of ammoniaâ€“sulfuric-acid ion clusters during aerosol particle formation. Atmospheric Chemistry and Physics, 2015, 15, 55-78.	4.9	84
87	Computational Study of Hydrogen Shifts and Ring-Opening Mechanisms in Î±-Pinene Ozonolysis Products. Journal of Physical Chemistry A, 2015, 119, 11366-11375.	2.5	89
88	Effects of Chemical Complexity on the Autoxidation Mechanisms of Endocyclic Alkene Ozonolysis Products: From Methylcyclohexenes toward Understanding Î±-Pinene. Journal of Physical Chemistry A, 2015, 119, 4633-4650.	2.5	101
89	Modeling the Charging of Highly Oxidized Cyclohexene Ozonolysis Products Using Nitrate-Based Chemical Ionization. Journal of Physical Chemistry A, 2015, 119, 6339-6345.	2.5	99
90	Sub-3 nm particle size and composition dependent response of a nano-CPC battery. Atmospheric Measurement Techniques, 2014, 7, 689-700.	3.1	73

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91	A novel method for online analysis of gas and particle composition: description and evaluation of a Filter Inlet for Gases and AEROsols (FIGAERO). Atmospheric Measurement Techniques, 2014, 7, 983-1001.	3.1	345
92	Rapid Autoxidation Forms Highly Oxidized RO‹sub›2‹/sub› Radicals in the Atmosphere. Angewandte Chemie - International Edition, 2014, 53, 14596-14600.	13.8	186
93	Chemistry of Atmospheric Nucleation: On the Recent Advances on Precursor Characterization and Atmospheric Cluster Composition in Connection with Atmospheric New Particle Formation. Annual Review of Physical Chemistry, 2014, 65, 21-37.	10.8	242
94	The Formation of Highly Oxidized Multifunctional Products in the Ozonolysis of Cyclohexene. Journal of the American Chemical Society, 2014, 136, 15596-15606.	13.7	236
95	A large source of low-volatility secondary organic aerosol. Nature, 2014, 506, 476-479.	27.8	1,448
96	Suppression of new particle formation from monoterpene oxidation by NO_x. Atmospheric Chemistry and Physics, 2014, 14, 2789-2804.	4.9	63
97	Reactivity of stabilized Criegee intermediates (sCIs) from isoprene and monoterpene ozonolysis toward SO₂ and organic acids. Atmospheric Chemistry and Physics, 2014, 14, 12143-12153.	4.9	94
98	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
99	Direct Observations of Atmospheric Aerosol Nucleation. Science, 2013, 339, 943-946.	12.6	876
100	Measuring composition and growth of ion clusters of sulfuric acid, ammonia, amines and oxidized organics as first steps of nucleation in the CLOUD experiment. , 2013, , .		0
101	Probing aerosol formation by comprehensive measurements of gas phase oxidation products. , 2013, , .		0
102	Evolution of Î±-pinene oxidation products in the presence of varying oxidizers: Negative APi-TOF point of view. , 2013, , .		0
103	Does the onset of new particle formation occur in the planetary boundary layer?. , 2013, , .		1
104	Online atmospheric pressure chemical ionization ion trap mass spectrometry (APCI-IT-MSⁿ) for measuring organic acids in concentrated bulk aerosol â€“ a laboratory and field study. Atmospheric Measurement Techniques, 2013, 6, 431-443.	3.1	44
105	Molecular understanding of atmospheric particle formation from sulfuric acid and large oxidized organic molecules. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17223-17228.	7.1	300
106	In situ submicron organic aerosol characterization at a boreal forest research station during HUMPPA-COPEC 2010 using soft and hard ionization mass spectrometry. Atmospheric Chemistry and Physics, 2013, 13, 10933-10950.	4.9	28
107	Biogenic and biomass burning organic aerosol in a boreal forest at HyytiÃlÃ, Finland, during HUMPPA-COPEC 2010. Atmospheric Chemistry and Physics, 2013, 13, 12233-12256.	4.9	53
108	Long-term volatility measurements of submicron atmospheric aerosol in HyytiÃlÃ, Finland. Atmospheric Chemistry and Physics, 2012, 12, 10771-10786.	4.9	45

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109	Gas phase formation of extremely oxidized pinene reaction products in chamber and ambient air. Atmospheric Chemistry and Physics, 2012, 12, 5113-5127.	4.9	222
110	Contribution of sulfuric acid and oxidized organic compounds to particle formation and growth. Atmospheric Chemistry and Physics, 2012, 12, 9427-9439.	4.9	76
111	Atmospheric sulphuric acid and neutral cluster measurements using CI-APi-TOF. Atmospheric Chemistry and Physics, 2012, 12, 4117-4125.	4.9	393
112	New insights into nocturnal nucleation. Atmospheric Chemistry and Physics, 2012, 12, 4297-4312.	4.9	45
113	Nitrogenated and aliphatic organic vapors as possible drivers for marine secondary organic aerosol growth. Journal of Geophysical Research, 2012, 117, .	3.3	44
114	Correction to â€œRelationship between aerosol oxidation level and hygroscopic properties of laboratory generated secondary organic aerosol (SOA) particlesâ€• Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	5
115	Role of sulphuric acid, ammonia and galactic cosmic rays in atmospheric aerosol nucleation. Nature, 2011, 476, 429-433.	27.8	1,114
116	Aerosol hygroscopicity and CCN activation kinetics in a boreal forest environment during the 2007 EUCAARI campaign. Atmospheric Chemistry and Physics, 2011, 11, 12369-12386.	4.9	110
117	Seasonal variation of CCN concentrations and aerosol activation properties in boreal forest. Atmospheric Chemistry and Physics, 2011, 11, 13269-13285.	4.9	121
118	The effect of H₂SO₄ â€“ amine clustering on chemical ionization mass spectrometry (CIMS) measurements of gas-phase sulfuric acid. Atmospheric Chemistry and Physics, 2011, 11, 3007-3019.	4.9	69
119	Organic condensation: a vital link connecting aerosol formation to cloud condensation nuclei (CCN) concentrations. Atmospheric Chemistry and Physics, 2011, 11, 3865-3878.	4.9	392
120	Quantification of the volatility of secondary organic compounds in ultrafine particles during nucleation events. Atmospheric Chemistry and Physics, 2011, 11, 9019-9036.	4.9	160
121	An Instrumental Comparison of Mobility and Mass Measurements of Atmospheric Small Ions. Aerosol Science and Technology, 2011, 45, 522-532.	3.1	72
122	Observations of Nano-CN in the Nocturnal Boreal Forest. Aerosol Science and Technology, 2011, 45, 499-509.	3.1	43
123	Atmospheric ions and nucleation: a review of observations. Atmospheric Chemistry and Physics, 2011, 11, 767-798.	4.9	228
124	Characterization of organic compounds in 10- to 50-nm aerosol particles in boreal forest with laser desorption-ionization aerosol mass spectrometer and comparison with other techniques. Atmospheric Environment, 2011, 45, 3711-3719.	4.1	20
125	Comparison of ambient aerosol extinction coefficients obtained from in-situ, MAX-DOAS and LIDAR measurements at Cabauw. Atmospheric Chemistry and Physics, 2011, 11, 2603-2624.	4.9	126
126	Characterisation of corona-generated ions used in a Neutral cluster and Air Ion Spectrometer (NAIS). Atmospheric Measurement Techniques, 2011, 4, 2767-2776.	3.1	47

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127	Results and recommendations from an intercomparison of six Hygroscopicity-TDMA systems. Atmospheric Measurement Techniques, 2011, 4, 485-497.	3.1	52
128	Atmospheric nucleation: highlights of the EUCAARI project and future directions. Atmospheric Chemistry and Physics, 2010, 10, 10829-10848.	4.9	144
129	Hygroscopicity and chemical composition of Antarctic sub-micrometre aerosol particles and observations of new particle formation. Atmospheric Chemistry and Physics, 2010, 10, 4253-4271.	4.9	126
130	Physicochemical properties and origin of organic groups detected in boreal forest using an aerosol mass spectrometer. Atmospheric Chemistry and Physics, 2010, 10, 2063-2077.	4.9	87
131	Aerosol properties associated with air masses arriving into the North East Atlantic during the 2008 Mace Head EUCAARI intensive observing period: an overview. Atmospheric Chemistry and Physics, 2010, 10, 8413-8435.	4.9	61
132	Composition and temporal behavior of ambient ions in the boreal forest. Atmospheric Chemistry and Physics, 2010, 10, 8513-8530.	4.9	170
133	Corrigendum to "Aerosol properties associated with air masses arriving into the North East Atlantic during the 2008 Mace Head EUCAARI intensive observing period: an overview" published in Atmos. Chem. Phys., 10, 8413-8435, 2010. Atmospheric Chemistry and Physics, 2010, 10, 8549-8549.	4.9	2
134	A high-resolution mass spectrometer to measure atmospheric ion composition. Atmospheric Measurement Techniques, 2010, 3, 1039-1053.	3.1	436
135	In situ laboratory sea spray production during the Marine Aerosol Production 2006 cruise on the northeastern Atlantic Ocean. Journal of Geophysical Research, 2010, 115, .	3.3	58
136	Relationship between aerosol oxidation level and hygroscopic properties of laboratory generated secondary organic aerosol (SOA) particles. Geophysical Research Letters, 2010, 37, .	4.0	257
137	Growth rates during coastal and marine new particle formation in western Ireland. Journal of Geophysical Research, 2010, 115, .	3.3	36
138	Observations of aminium salts in atmospheric nanoparticles and possible climatic implications. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6634-6639.	7.1	415
139	Evolution of Organic Aerosols in the Atmosphere. Science, 2009, 326, 1525-1529.	12.6	3,374
140	Iodine dioxide nucleation simulations in coastal and remote marine environments. Journal of Geophysical Research, 2009, 114, .	3.3	29
141	Applying the Condensation Particle Counter Battery (CPCB) to study the water-affinity of freshly-formed 2â€“9 nm particles in boreal forest. Atmospheric Chemistry and Physics, 2009, 9, 3317-3330.	4.9	56
142	On the representativeness of coastal aerosol studies to open ocean studies: Mace Head â€“ a case study. Atmospheric Chemistry and Physics, 2009, 9, 9635-9646.	4.9	44
143	Characteristic features of air ions at Mace Head on the west coast of Ireland. Atmospheric Research, 2008, 90, 278-286.	4.1	77
144	Non-volatile residuals of newly formed atmospheric particles in the boreal forest. Atmospheric Chemistry and Physics, 2007, 7, 677-684.	4.9	57

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145	Hygroscopic properties of ultrafine aerosol particles in the boreal forest: diurnal variation, solubility and the influence of sulfuric acid. Atmospheric Chemistry and Physics, 2007, 7, 211-222.	4.9	95