

Mikael Ehn

List of Publications by Year in descending order

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145
papers

18,703
citations

26610

56
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14736

127
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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. <i>Environmental Science & Technology</i> , 2022, 56, 770-778.	4.6	16
2	Fragmentation inside proton-transfer-reaction-based mass spectrometers limits the detection of ROOR and ROOH peroxides. <i>Atmospheric Measurement Techniques</i> , 2022, 15, 1811-1827.	1.2	14
3	Secondary organic aerosol formed by condensing anthropogenic vapours over China's megacities. <i>Nature Geoscience</i> , 2022, 15, 255-261.	5.4	64
4	Influence of biogenic emissions from boreal forests on aerosol-cloud interactions. <i>Nature Geoscience</i> , 2022, 15, 42-47.	5.4	25
5	Terpene emissions from boreal wetlands can initiate stronger atmospheric new particle formation than boreal forests. <i>Communications Earth & Environment</i> , 2022, 3, .	2.6	8
6	Oxidation product characterization from ozonolysis of the diterpene <i>ent-kaurene</i> . <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 5619-5637.	1.9	2
7	European aerosol phenomenology 8: Harmonised source apportionment of organic aerosol using 22 Year-long ACSM/AMS datasets. <i>Environment International</i> , 2022, 166, 107325.	4.8	41
8	Diurnal evolution of negative atmospheric ions above the boreal forest: from ground level to the free troposphere. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 8547-8577.	1.9	5
9	Efficient alkane oxidation under combustion engine and atmospheric conditions. <i>Communications Chemistry</i> , 2021, 4, .	2.0	33
10	Molecular mechanism for rapid autoxidation in α -pinene ozonolysis. <i>Nature Communications</i> , 2021, 12, 878.	5.8	47
11	Differing Mechanisms of New Particle Formation at Two Arctic Sites. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091334.	1.5	70
12	Chemical characterisation of benzene oxidation products under high- and low-NO _x conditions using chemical ionisation mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3473-3490.	1.9	16
13	Orbitool: a software tool for analyzing online Orbitrap mass spectrometry data. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 2377-2387.	1.2	6
14	Atmospheric organic vapors in two European pine forests measured by a Vocus PTR-TOF: insights into monoterpene and sesquiterpene oxidation processes. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 4123-4147.	1.9	23
15	Gas-to-Particle Partitioning of Cyclohexene- and α -Pinene-Derived Highly Oxygenated Dimers Evaluated Using COSMOtherm. <i>Journal of Physical Chemistry A</i> , 2021, 125, 3726-3738.	1.1	16
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.	0.8	23
17	Measurement report: Effects of NO _x and seed aerosol on highly oxygenated organic molecules (HOMs) from cyclohexene ozonolysis. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 7357-7372.	1.9	5
18	Eight years of sub-micrometre organic aerosol composition data from the boreal forest characterized using a machine-learning approach. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 10081-10109.	1.9	14

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19	Zeppelin-led study on the onset of new particle formation in the planetary boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 12649-12663.	1.9	9
20	Temperature and volatile organic compound concentrations as controlling factors for chemical composition of α -pinene-derived secondary organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 11545-11562.	1.9	1
21	Structures and reactivity of peroxy radicals and dimeric products revealed by online tandem mass spectrometry. <i>Nature Communications</i> , 2021, 12, 300.	5.8	28
22	Significance of the organic aerosol driven climate feedback in the boreal area. <i>Nature Communications</i> , 2021, 12, 5637.	5.8	38
23	Formation of condensable organic vapors from anthropogenic and biogenic volatile organic compounds (VOCs) is strongly perturbed by NO_x in eastern China. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 14789-14814.	1.9	26
24	Modelling the influence of biotic plant stress on atmospheric aerosol particle processes throughout a growing season. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 17389-17431.	1.9	6
25	Rapid formation of intense haze episodes via aerosol–boundary layer feedback in Beijing. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 45-53.	1.9	36
26	Size-dependent influence of NO_x on the growth rates of organic aerosol particles. <i>Science Advances</i> , 2020, 6, eaay4945.	4.7	61
27	Degradation of nanoplastics in the environment: Reactivity and impact on atmospheric and surface waters. <i>Science of the Total Environment</i> , 2020, 742, 140413.	3.9	51
28	Pyruvic acid in the boreal forest: gas-phase mixing ratios and impact on radical chemistry. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 3697-3711.	1.9	19
29	Formation of highly oxygenated organic molecules from chlorine-atom-initiated oxidation of α -pinene. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 5145-5155.	1.9	20
30	Terpenes and their oxidation products in the French Landes forest: insights from Vocus PTR-TOF measurements. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 1941-1959.	1.9	46
31	Insights into atmospheric oxidation processes by performing factor analyses on subranges of mass spectra. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 5945-5961.	1.9	11
32	Multi-generation OH oxidation as a source for highly oxygenated organic molecules from aromatics. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 515-537.	1.9	78
33	Experimental investigation into the volatilities of highly oxygenated organic molecules (HOMs). <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 649-669.	1.9	45
34	Long-term sub-micrometer aerosol chemical composition in the boreal forest: inter- and intra-annual variability. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 3151-3180.	1.9	26
35	The Aarhus Chamber Campaign on Highly Oxygenated Organic Molecules and Aerosols (ACCHA): particle formation, organic acids, and dimer esters from α -pinene ozonolysis at different temperatures. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 12549-12567.	1.9	21
36	A novel approach for simple statistical analysis of high-resolution mass spectra. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 3761-3776.	1.2	24

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37	Effect of temperature on the formation of highly oxygenated organic molecules (HOMs) from alpha-pinene ozonolysis. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 7609-7625.	1.9	41
38	Alkyl nitrates in the boreal forest: formation via the NO ₃ , OH- and O ₃ -induced oxidation of biogenic volatile organic compounds and ambient lifetimes. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 10391-10403.	1.9	28
39	The role of highly oxygenated organic molecules in the Boreal aerosol-cloud-climate system. <i>Nature Communications</i> , 2019, 10, 4370.	5.8	91
40	Secondary organic aerosol reduced by mixture of atmospheric vapours. <i>Nature</i> , 2019, 565, 587-593.	13.7	222
41	CI-Orbitrap: An Analytical Instrument To Study Atmospheric Reactive Organic Species. <i>Analytical Chemistry</i> , 2019, 91, 9419-9423.	3.2	25
42	Constructing a data-driven receptor model for organic and inorganic aerosol " a synthesis analysis of eight mass spectrometric data sets from a boreal forest site. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 3645-3672.	1.9	13
43	Evaluating the performance of five different chemical ionization techniques for detecting gaseous oxygenated organic species. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 2403-2421.	1.2	119
44	How well can we predict cluster fragmentation inside a mass spectrometer?. <i>Chemical Communications</i> , 2019, 55, 5946-5949.	2.2	43
45	Highly Oxygenated Organic Molecules (HOM) from Gas-Phase Autoxidation Involving Peroxy Radicals: A Key Contributor to Atmospheric Aerosol. <i>Chemical Reviews</i> , 2019, 119, 3472-3509.	23.0	460
46	Chemical transformations in monoterpene-derived organic aerosol enhanced by inorganic composition. <i>Npj Climate and Atmospheric Science</i> , 2019, 2, .	2.6	36
47	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.	1.9	108
48	Long-term observations of the background aerosol at Cabauw, The Netherlands. <i>Science of the Total Environment</i> , 2018, 625, 752-761.	3.9	6
49	Evidence for Diverse Biogeochemical Drivers of Boreal Forest New Particle Formation. <i>Geophysical Research Letters</i> , 2018, 45, 2038-2046.	1.5	31
50	Impact on short-lived climate forcers increases projected warming due to deforestation. <i>Nature Communications</i> , 2018, 9, 157.	5.8	86
51	Measurement " model comparison of stabilized Criegee intermediate and highly oxygenated molecule production in the CLOUD chamber. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 2363-2380.	1.9	21
52	Direct measurement of NO ₃ radical reactivity in a boreal forest. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 3799-3815.	1.9	45
53	Combined effects of boundary layer dynamics and atmospheric chemistry on aerosol composition during new particle formation periods. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17705-17716.	1.9	17
54	Vertical characterization of highly oxygenated molecules (HOMs) below and above a boreal forest canopy. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 17437-17450.	1.9	34

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55	Multicomponent new particle formation from sulfuric acid, ammonia, and biogenic vapors. <i>Science Advances</i> , 2018, 4, eaau5363.	4.7	164
56	Primary Formation of Highly Oxidized Multifunctional Products in the OH-Initiated Oxidation of Isoprene: A Combined Theoretical and Experimental Study. <i>Environmental Science & Technology</i> , 2018, 52, 12255-12264.	4.6	33
57	The role of H ₂ SO ₄ -NH ₃ anion clusters in ion-induced aerosol nucleation mechanisms in the boreal forest. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 13231-13243.	1.9	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. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 11779-11791.	1.9	29
59	Atmospheric new particle formation from sulfuric acid and amines in a Chinese megacity. <i>Science</i> , 2018, 361, 278-281.	6.0	415
60	Factors controlling the evaporation of secondary organic aerosol from α -pinene ozonolysis. <i>Geophysical Research Letters</i> , 2017, 44, 2562-2570.	1.5	95
61	Solar eclipse demonstrating the importance of photochemistry in new particle formation. <i>Scientific Reports</i> , 2017, 7, 45707.	1.6	29
62	Chemical Characterization of Gas- and Particle-Phase Products from the Ozonolysis of α -Pinene in the Presence of Dimethylamine. <i>Environmental Science & Technology</i> , 2017, 51, 5602-5610.	4.6	25
63	Collocated observations of cloud condensation nuclei, particle size distributions, and chemical composition. <i>Scientific Data</i> , 2017, 4, 170003.	2.4	44
64	Highly Oxygenated Molecules from Atmospheric Autoxidation of Hydrocarbons: A Prominent Challenge for Chemical Kinetics Studies. <i>International Journal of Chemical Kinetics</i> , 2017, 49, 821-831.	1.0	43
65	Formation of Highly Oxidized Radicals and Multifunctional Products from the Atmospheric Oxidation of Alkylbenzenes. <i>Environmental Science & Technology</i> , 2017, 51, 8442-8449.	4.6	99
66	VH-TDMA: A description and verification of an instrument to measure aerosol particle hygroscopicity and volatility. <i>Aerosol Science and Technology</i> , 2017, 51, 97-107.	1.5	8
67	The role of highly oxygenated molecules (HOMs) in determining the composition of ambient ions in the boreal forest. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 13819-13831.	1.9	66
68	The role of ions in new particle formation in the CLOUD chamber. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 15181-15197.	1.9	50
69	Estimates of the organic aerosol volatility in a boreal forest using two independent methods. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 4387-4399.	1.9	14
70	Volatility of mixed atmospheric humic-like substances and ammonium sulfate particles. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 3659-3672.	1.9	7
71	Resolving anthropogenic aerosol pollution types – deconvolution and exploratory classification of pollution events. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 3165-3197.	1.9	23
72	Modeling the role of highly oxidized multifunctional organic molecules for the growth of new particles over the boreal forest region. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 8887-8901.	1.9	29

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73	Hydroxyl radical-induced formation of highly oxidized organic compounds. <i>Nature Communications</i> , 2016, 7, 13677.	5.8	178
74	Real-Time Detection of Arsenic Cations from Ambient Air in Boreal Forest and Lake Environments. <i>Environmental Science and Technology Letters</i> , 2016, 3, 42-46.	3.9	12
75	Î±-Pinene Autoxidation Products May Not Have Extremely Low Saturation Vapor Pressures Despite High O:C Ratios. <i>Journal of Physical Chemistry A</i> , 2016, 120, 2569-2582.	1.1	95
76	Molecular-scale evidence of aerosol particle formation via sequential addition of HIO ₃ . <i>Nature</i> , 2016, 537, 532-534.	13.7	237
77	A chamber study of the influence of boreal BVOC emissions and sulfuric acid on nanoparticle formation rates at ambient concentrations. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 1955-1970.	1.9	9
78	Source characterization of highly oxidized multifunctional compounds in a boreal forest environment using positive matrix factorization. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 12715-12731.	1.9	118
79	Estimating the contribution of organic acids to northern hemispheric continental organic aerosol. <i>Geophysical Research Letters</i> , 2015, 42, 6084-6090.	1.5	43
80	Formation of highly oxidized multifunctional compounds: autoxidation of peroxy radicals formed in the ozonolysis of alkenes â€“ deduced from structureâ€“product relationships. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 6745-6765.	1.9	162
81	Modelling the contribution of biogenic volatile organic compounds to new particle formation in the JÄ¼lich plant atmosphere chamber. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 10777-10798.	1.9	19
82	Relating the hygroscopic properties of submicron aerosol to both gas- and particle-phase chemical composition in a boreal forest environment. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 11999-12009.	1.9	18
83	Elemental composition and clustering behaviour of Î±-pinene oxidation products for different oxidation conditions. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 4145-4159.	1.9	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. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 7765-7776.	1.9	126
85	Production of extremely low volatile organic compounds from biogenic emissions: Measured yields and atmospheric implications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 7123-7128.	3.3	337
86	On the composition of ammoniaâ€“sulfuric-acid ion clusters during aerosol particle formation. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 55-78.	1.9	84
87	Computational Study of Hydrogen Shifts and Ring-Opening Mechanisms in Î±-Pinene Ozonolysis Products. <i>Journal of Physical Chemistry A</i> , 2015, 119, 11366-11375.	1.1	89
88	Effects of Chemical Complexity on the Autoxidation Mechanisms of Endocyclic Alkene Ozonolysis Products: From Methylcyclohexenes toward Understanding Î±-Pinene. <i>Journal of Physical Chemistry A</i> , 2015, 119, 4633-4650.	1.1	101
89	Modeling the Charging of Highly Oxidized Cyclohexene Ozonolysis Products Using Nitrate-Based Chemical Ionization. <i>Journal of Physical Chemistry A</i> , 2015, 119, 6339-6345.	1.1	99
90	Sub-3 nm particle size and composition dependent response of a nano-CPC battery. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 689-700.	1.2	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). <i>Atmospheric Measurement Techniques</i> , 2014, 7, 983-1001.	1.2	345
92	Rapid Autoxidation Forms Highly Oxidized RO ₂ Radicals in the Atmosphere. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 14596-14600.	7.2	186
93	Chemistry of Atmospheric Nucleation: On the Recent Advances on Precursor Characterization and Atmospheric Cluster Composition in Connection with Atmospheric New Particle Formation. <i>Annual Review of Physical Chemistry</i> , 2014, 65, 21-37.	4.8	242
94	The Formation of Highly Oxidized Multifunctional Products in the Ozonolysis of Cyclohexene. <i>Journal of the American Chemical Society</i> , 2014, 136, 15596-15606.	6.6	236
95	A large source of low-volatility secondary organic aerosol. <i>Nature</i> , 2014, 506, 476-479.	13.7	1,448
96	Suppression of new particle formation from monoterpene oxidation by NO _x . <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 2789-2804.	1.9	63
97	Reactivity of stabilized Criegee intermediates (sCIs) from isoprene and monoterpene ozonolysis toward SO ₂ and organic acids. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 12143-12153.	1.9	94
98	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.	1.9	308
99	Direct Observations of Atmospheric Aerosol Nucleation. <i>Science</i> , 2013, 339, 943-946.	6.0	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 β -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-MS ⁿ) for measuring organic acids in concentrated bulk aerosol – a laboratory and field study. <i>Atmospheric Measurement Techniques</i> , 2013, 6, 431-443.	1.2	44
105	Molecular understanding of atmospheric particle formation from sulfuric acid and large oxidized organic molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 17223-17228.	3.3	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. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 10933-10950.	1.9	28
107	Biogenic and biomass burning organic aerosol in a boreal forest at Hyytiälä, Finland, during HUMPPA-COPEC 2010. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 12233-12256.	1.9	53
108	Long-term volatility measurements of submicron atmospheric aerosol in Hyytiälä, Finland. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 10771-10786.	1.9	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.	1.9	222
110	Contribution of sulfuric acid and oxidized organic compounds to particle formation and growth. Atmospheric Chemistry and Physics, 2012, 12, 9427-9439.	1.9	76
111	Atmospheric sulphuric acid and neutral cluster measurements using CI-API-TOF. Atmospheric Chemistry and Physics, 2012, 12, 4117-4125.	1.9	393
112	New insights into nocturnal nucleation. Atmospheric Chemistry and Physics, 2012, 12, 4297-4312.	1.9	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 "Relationship between aerosol oxidation level and hygroscopic properties of laboratory generated secondary organic aerosol (SOA) particles". Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	5
115	Role of sulphuric acid, ammonia and galactic cosmic rays in atmospheric aerosol nucleation. Nature, 2011, 476, 429-433.	13.7	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.	1.9	110
117	Seasonal variation of CCN concentrations and aerosol activation properties in boreal forest. Atmospheric Chemistry and Physics, 2011, 11, 13269-13285.	1.9	121
118	The effect of H ₂ SO ₄ amine clustering on chemical ionization mass spectrometry (CIMS) measurements of gas-phase sulfuric acid. Atmospheric Chemistry and Physics, 2011, 11, 3007-3019.	1.9	69
119	Organic condensation: a vital link connecting aerosol formation to cloud condensation nuclei (CCN) concentrations. Atmospheric Chemistry and Physics, 2011, 11, 3865-3878.	1.9	392
120	Quantification of the volatility of secondary organic compounds in ultrafine particles during nucleation events. Atmospheric Chemistry and Physics, 2011, 11, 9019-9036.	1.9	160
121	An Instrumental Comparison of Mobility and Mass Measurements of Atmospheric Small Ions. Aerosol Science and Technology, 2011, 45, 522-532.	1.5	72
122	Observations of Nano-CN in the Nocturnal Boreal Forest. Aerosol Science and Technology, 2011, 45, 499-509.	1.5	43
123	Atmospheric ions and nucleation: a review of observations. Atmospheric Chemistry and Physics, 2011, 11, 767-798.	1.9	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.	1.9	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.	1.9	126
126	Characterisation of corona-generated ions used in a Neutral cluster and Air Ion Spectrometer (NAIS). Atmospheric Measurement Techniques, 2011, 4, 2767-2776.	1.2	47

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127	Results and recommendations from an intercomparison of six Hygroscopicity-TDMA systems. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 485-497.	1.2	52
128	Atmospheric nucleation: highlights of the EUCAARI project and future directions. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 10829-10848.	1.9	144
129	Hygroscopicity and chemical composition of Antarctic sub-micrometre aerosol particles and observations of new particle formation. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 4253-4271.	1.9	126
130	Physicochemical properties and origin of organic groups detected in boreal forest using an aerosol mass spectrometer. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 2063-2077.	1.9	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. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 8413-8435.	1.9	61
132	Composition and temporal behavior of ambient ions in the boreal forest. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 8513-8530.	1.9	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 <i>Atmos. Chem. Phys.</i> , 10, 8413-8435, 2010. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 8549-8549.	1.9	2
134	A high-resolution mass spectrometer to measure atmospheric ion composition. <i>Atmospheric Measurement Techniques</i> , 2010, 3, 1039-1053.	1.2	436
135	In situ laboratory sea spray production during the Marine Aerosol Production 2006 cruise on the northeastern Atlantic Ocean. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	58
136	Relationship between aerosol oxidation level and hygroscopic properties of laboratory generated secondary organic aerosol (SOA) particles. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	257
137	Growth rates during coastal and marine new particle formation in western Ireland. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	36
138	Observations of ammonium salts in atmospheric nanoparticles and possible climatic implications. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6634-6639.	3.3	415
139	Evolution of Organic Aerosols in the Atmosphere. <i>Science</i> , 2009, 326, 1525-1529.	6.0	3,374
140	Iodine dioxide nucleation simulations in coastal and remote marine environments. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	29
141	Applying the Condensation Particle Counter Battery (CPCB) to study the water-affinity of freshly-formed 20-9 nm particles in boreal forest. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 3317-3330.	1.9	56
142	On the representativeness of coastal aerosol studies to open ocean studies: Mace Head " a case study. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 9635-9646.	1.9	44
143	Characteristic features of air ions at Mace Head on the west coast of Ireland. <i>Atmospheric Research</i> , 2008, 90, 278-286.	1.8	77
144	Non-volatile residuals of newly formed atmospheric particles in the boreal forest. <i>Atmospheric Chemistry and Physics</i> , 2007, 7, 677-684.	1.9	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.	1.9	95