

# Maria Cristina Facchini

## 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.

166  
papers

18,371  
citations

66  
h-index

135  
g-index

189  
ext. papers

20,207  
ext. citations

6.7  
avg, IF

5.73  
L-index

#	Paper	IF	Citations
166	On the Redox-Activity and Health-Effects of Atmospheric Primary and Secondary Aerosol: Phenomenology. <i>Atmosphere</i> , <b>2022</b> , 13, 704	2.7	1
165	Historical Changes in Seasonal Aerosol Acidity in the Po Valley (Italy) as Inferred from Fog Water and Aerosol Measurements. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 7307-7315	10.3	4
164	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> , <b>2020</b> , 125, e2019JD032246	4.4	5
163	Shipborne measurements of Antarctic submicron organic aerosols: an NMR perspective linking multiple sources and bioregions. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 4193-4207	6.8	13
162	The impact of biomass burning and aqueous-phase processing on air quality: a multi-year source apportionment study in the Po Valley, Italy. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 1233-1254	6.8	26
161	Particulate methanesulfonic acid over the central Mediterranean Sea: Source region identification and relationship with phytoplankton activity. <i>Atmospheric Research</i> , <b>2020</b> , 237, 104837	5.4	4
160	The impact of biomass burning and aqueous-phase processing on air quality: a multi-year source apportionment study in the Po Valley, Italy <b>2019</b> ,		1
159	Impact of Air Pollution Controls on Radiation Fog Frequency in the Central Valley of California. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2019</b> , 124, 5889	4.4	7
158	Extensive Soot Compaction by Cloud Processing from Laboratory and Field Observations. <i>Scientific Reports</i> , <b>2019</b> , 9, 11824	4.9	29
157	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> , <b>2019</b> , 19, 14091-14106	6.8	8
156	Ground level ice nucleating particles measurements at Capo Granitola, a Mediterranean coastal site. <i>Atmospheric Research</i> , <b>2019</b> , 219, 57-64	5.4	5
155	Identification of new particle formation events with deep learning. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 9597-9615	6.8	7
154	Molecular insights on aging and aqueous-phase processing from ambient biomass burning emissions-influenced Po Valley fog and aerosol. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 13197-13214	6.8	35
153	Surface tension prevails over solute effect in organic-influenced cloud droplet activation. <i>Nature</i> , <b>2017</b> , 546, 637-641	50.4	162
152	Characteristics of brown carbon in the urban Po Valley atmosphere. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 313-326	6.8	34
151	Transfer of labile organic matter and microbes from the ocean surface to the marine aerosol: an experimental approach. <i>Scientific Reports</i> , <b>2017</b> , 7, 11475	4.9	45
150	Antarctic sea ice region as a source of biogenic organic nitrogen in aerosols. <i>Scientific Reports</i> , <b>2017</b> , 7, 6047	4.9	43

149	Enhanced toxicity of aerosol in fog conditions in the Po Valley, Italy. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 7721-7731	6.8	30
148	Direct observation of aqueous secondary organic aerosol from biomass-burning emissions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2016</b> , 113, 10013-8	11.5	170
147	Light absorption properties of brown carbon in the high Himalayas. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 9621-9639	4.4	61
146	Vertical profiling of aerosol hygroscopic properties in the planetary boundary layer during the PEGASOS campaigns. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 7295-7315	6.8	11
145	Evidence for ambient dark aqueous SOA formation in the Po Valley, Italy. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 8095-8108	6.8	34
144	Size-resolved aerosol composition at an urban and a rural site in the Po Valley in summertime: implications for secondary aerosol formation. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 10879-10897	6.8	27
143	Connecting marine productivity to sea-spray via nanoscale biological processes: Phytoplankton Dance or Death Disco?. <i>Scientific Reports</i> , <b>2015</b> , 5, 14883	4.9	58
142	Effects of global change during the 21st century on the nitrogen cycle. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 13849-13893	6.8	112
141	How much is particulate matter near the ground influenced by upper-level processes within and above the PBL? A summertime case study in Milan (Italy) evidences the distinctive role of nitrate. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 2629-2649	6.8	31
140	Particulate matter, air quality and climate: lessons learned and future needs. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 8217-8299	6.8	462
139	3-year chemical composition of free tropospheric PM <sub>1</sub> at the Mt. Cimone GAW global station □ South Europe □165 m a.s.l.. <i>Atmospheric Environment</i> , <b>2014</b> , 48, 218-227	5.3	23
138	Aerosol liquid water driven by anthropogenic nitrate: implications for lifetimes of water-soluble organic gases and potential for secondary organic aerosol formation. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 11127-36	10.3	70
137	On the water-soluble organic nitrogen concentration and mass size distribution during the fog season in the Po Valley, Italy. <i>Science of the Total Environment</i> , <b>2014</b> , 485-486, 103-109	10.2	19
136	Measurements of the aerosol chemical composition and mixing state in the Po Valley using multiple spectroscopic techniques. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 12109-12132	6.8	39
135	Primary and secondary biomass burning aerosols determined by proton nuclear magnetic resonance ( <sup>1</sup> H-NMR) spectroscopy during the 2008 EUCAARI campaign in the Po Valley (Italy). <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 5089-5110	6.8	39
134	Do anthropogenic, continental or coastal aerosol sources impact on a marine aerosol signature at Mace Head?. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 10687-10704	6.8	32
133	In situ physical and chemical characterisation of the Eyjafjallajökull aerosol plume in the free troposphere over Italy. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 1075-1092	6.8	11
132	Identification of humic-like substances (HULIS) in oxygenated organic aerosols using NMR and AMS factor analyses and liquid chromatographic techniques. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 25-45	6.8	43

131	Fog scavenging of organic and inorganic aerosol in the Po Valley. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 6967-6981	6.8	80
130	Fog occurrence and chemical composition in the Po valley over the last twenty years. <i>Atmospheric Environment</i> , <b>2014</b> , 98, 394-401	5.3	47
129	Simulation of size-segregated aerosol chemical composition over northern Italy in clear sky and wind calm conditions. <i>Atmospheric Research</i> , <b>2013</b> , 125-126, 1-11	5.4	4
128	Is chlorophyll-a the best surrogate for organic matter enrichment in submicron primary marine aerosol?. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 4964-4973	4.4	78
127	Chemical characterization of springtime submicrometer aerosol in Po Valley, Italy. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 8401-8421	6.8	79
126	Determination of the biogenic secondary organic aerosol fraction in the boreal forest by NMR spectroscopy. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 941-959	6.8	42
125	Primary marine organic aerosol: A dichotomy of low hygroscopicity and high CCN activity. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	100
124	Evidence of a natural marine source of oxalic acid and a possible link to glyoxal. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		72
123	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> , <b>2011</b> , 11, 13061-13143	6.8	231
122	Wind speed dependent size-resolved parameterization for the organic mass fraction of sea spray aerosol. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 8777-8790	6.8	130
121	Quantification of the carbonaceous matter origin in submicron marine aerosol by $\delta^{13}C$ and $\delta^{14}C$ isotope analysis. <i>Atmospheric Chemistry and Physics</i> , <b>2011</b> , 11, 8593-8606	6.8	96
120	Primary and secondary marine organic aerosols over the North Atlantic Ocean during the MAP experiment. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		77
119	Meteorological and trace gas factors affecting the number concentration of atmospheric Aitken ( $D_{p,50} = 50$ nm) particles in the continental boundary layer: parameterization using a multivariate mixed effects model. <i>Geoscientific Model Development</i> , <b>2011</b> , 4, 1-13	6.3	26
118	Global Modeling of the Oceanic Source of Organic Aerosols. <i>Advances in Meteorology</i> , <b>2010</b> , 2010, 1-16	1.7	74
117	Primary and Secondary Organic Marine Aerosol and Oceanic Biological Activity: Recent Results and New Perspectives for Future Studies. <i>Advances in Meteorology</i> , <b>2010</b> , 2010, 1-10	1.7	149
116	Hygroscopic properties of Amazonian biomass burning and European background HULIS and investigation of their effects on surface tension with two models linking H-TDMA to CCNC data. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 5625-5639	6.8	42
115	Chemical composition of $PM_{10}$ and $PM_{1}$ at the high-altitude Himalayan station Nepal Climate Observatory-Pyramid (NCO-P) (5079 m a.s.l.). <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 4583-4596	6.8	119
114	On the role of sulphuric acid and low-volatility organic vapours in the initial steps of atmospheric new particle formation. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 11223-11242	6.8	214

113	EUCAARI ion spectrometer measurements at 12 European sites ▯ analysis of new particle formation events. <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 7907-7927	6.8	204
112	Atmospheric Brown Clouds in the Himalayas: first two years of continuous observations at the Nepal Climate Observatory-Pyramid (5079 m). <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 7515-7531	6.8	202
111	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> , <b>2010</b> , 10, 8413-8435	6.8	56
110	Global scale emission and distribution of sea-spray aerosol: Sea-salt and organic enrichment. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 670-677	5.3	161
109	Size-resolved aerosol chemical composition over the Italian Peninsula during typical summer and winter conditions. <i>Atmospheric Environment</i> , <b>2010</b> , 44, 5269-5278	5.3	88
108	Atmospheric composition change: Ecosystems ▯ Atmosphere interactions. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 5193-5267	5.3	506
107	Chemical Composition of Cloud Water in the Puerto Rican Tropical Trade Wind Cumuli. <i>Water, Air, and Soil Pollution</i> , <b>2009</b> , 200, 3-14	2.6	24
106	On the representativeness of coastal aerosol studies to open ocean studies: Mace Head ▯ a case study. <i>Atmospheric Chemistry and Physics</i> , <b>2009</b> , 9, 9635-9646	6.8	39
105	The ABC-Pyramid Atmospheric Research Observatory in Himalaya for aerosol, ozone and halocarbon measurements. <i>Science of the Total Environment</i> , <b>2008</b> , 391, 252-61	10.2	97
104	A combined organic-inorganic sea-spray source function. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	156
103	Marine aerosol chemistry gradients: Elucidating primary and secondary processes and fluxes. <i>Geophysical Research Letters</i> , <b>2008</b> , 35, n/a-n/a	4.9	82
102	Primary submicron marine aerosol dominated by insoluble organic colloids and aggregates. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	329
101	Important source of marine secondary organic aerosol from biogenic amines. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 9116-21	10.3	295
100	NMR determination of total carbonyls and carboxyls: a tool for tracing the evolution of atmospheric oxidized organic aerosols. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 4844-9	10.3	38
99	Combined determination of the chemical composition and of health effects of secondary organic aerosols: the POLYSOA project. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , <b>2008</b> , 21, 145-54	3.8	74
98	High frequency new particle formation in the Himalayas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 15666-71	11.5	122
97	The role of VOC oxidation products in continental new particle formation. <i>Atmospheric Chemistry and Physics</i> , <b>2008</b> , 8, 2657-2665	6.8	175
96	Saharan Dust over Italy: Simulations with Regional Air Quality Model BOLCHEM. <i>NATO Security Through Science Series C: Environmental Security</i> , <b>2008</b> , 687-688		

95	Combined Determination of the Chemical Composition and of Health Effects of Secondary Organic Aerosols: The POLYSOA Project. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , <b>2008</b> , 080207080519480-10		12
94	Source attribution of water-soluble organic aerosol by nuclear magnetic resonance spectroscopy. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 2479-84	10.3	139
93	Overview of the inorganic and organic composition of size-segregated aerosol in Rondônia, Brazil, from the biomass-burning period to the onset of the wet season. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		108
92	Seasonal characteristics of the physicochemical properties of North Atlantic marine atmospheric aerosols. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		173
91	An anion-exchange high-performance liquid chromatography method coupled to total organic carbon determination for the analysis of water-soluble organic aerosols. <i>Journal of Chromatography A</i> , <b>2007</b> , 1149, 385-9	4.5	9
90	Chemical Characterization and Source Apportionment of Size-Segregated Aerosol Collected at an Urban Site in Sicily. <i>Water, Air, and Soil Pollution</i> , <b>2007</b> , 185, 311-321	2.6	37
89	10 The ABC-Pyramid: a scientific laboratory at 5079 m a.s.l. for the study of atmospheric composition change and climate. <i>Developments in Earth Surface Processes</i> , <b>2007</b> , 10, 67-75	2.8	1
88	Nucleation and growth of new particles in Po Valley, Italy. <i>Atmospheric Chemistry and Physics</i> , <b>2007</b> , 7, 355-376	6.8	157
87	The effect of physical and chemical aerosol properties on warm cloud droplet activation. <i>Atmospheric Chemistry and Physics</i> , <b>2006</b> , 6, 2593-2649	6.8	571
86	Characterization of the organic composition of aerosols from Rondônia, Brazil, during the LBA-SMOCC 2002 experiment and its representation through model compounds. <i>Atmospheric Chemistry and Physics</i> , <b>2006</b> , 6, 375-402	6.8	236
85	Functional group analysis by H NMR/chemical derivatization for the characterization of organic aerosol from the SMOCC field campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2006</b> , 6, 1003-1019	6.8	58
84	Hygroscopic growth and critical supersaturations for mixed aerosol particles of inorganic and organic compounds of atmospheric relevance. <i>Atmospheric Chemistry and Physics</i> , <b>2006</b> , 6, 1937-1952	6.8	256
83	Size-segregated aerosol chemical composition at a boreal site in southern Finland, during the QUEST project. <i>Atmospheric Chemistry and Physics</i> , <b>2006</b> , 6, 993-1002	6.8	56
82	Extractable iron and organic matter in the suspended insoluble material of fog droplets. <i>Water, Air, and Soil Pollution</i> , <b>2006</b> , 174, 303-320	2.6	5
81	Simplification of the representation of the organic component of atmospheric particulates. <i>Faraday Discussions</i> , <b>2005</b> , 130, 341-62; discussion 363-86, 519-24	3.6	106
80	Cloud condensation nucleus production from nucleation events at a highly polluted region. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	160
79	Comment on On the use of anion exchange chromatography for the characterization of water soluble organic carbon by H. Chang et al.. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	8
78	Importance of the organic aerosol fraction for modeling aerosol hygroscopic growth and activation: a case study in the Amazon Basin. <i>Atmospheric Chemistry and Physics</i> , <b>2005</b> , 5, 3111-3126	6.8	109



77	Organic aerosol and global climate modelling: a review. <i>Atmospheric Chemistry and Physics</i> , <b>2005</b> , 5, 10536-10582	36	2482
76	The water-soluble organic component of size-segregated aerosol, cloud water and wet depositions from Jeju Island during ACE-Asia. <i>Atmospheric Environment</i> , <b>2005</b> , 39, 211-222	53	137
75	Partitioning of metals between the aqueous phase and suspended insoluble material in fog droplets. <i>Annali Di Chimica</i> , <b>2005</b> , 95, 275-90		14
74	Binary homogeneous nucleation in water-succinic acid and water-glutaric acid systems. <i>Journal of Chemical Physics</i> , <b>2004</b> , 120, 282-91	39	38
73	Biogenically driven organic contribution to marine aerosol. <i>Nature</i> , <b>2004</b> , 431, 676-80	50.4	761
72	Aerosol chemical characteristics from sampling conducted on the Island of Jeju, Korea during ACE Asia. <i>Atmospheric Environment</i> , <b>2004</b> , 38, 2111-2123	53	77
71	A European aerosol phenomenology <sup>1</sup> : physical characteristics of particulate matter at kerbside, urban, rural and background sites in Europe. <i>Atmospheric Environment</i> , <b>2004</b> , 38, 2561-2577	53	381
70	A European aerosol phenomenology <sup>2</sup> : chemical characteristics of particulate matter at kerbside, urban, rural and background sites in Europe. <i>Atmospheric Environment</i> , <b>2004</b> , 38, 2579-2595	53	744
69	Identification of levoglucosan and related stereoisomers in fog water as a biomass combustion tracer by ESI-MS/MS. <i>Annali Di Chimica</i> , <b>2004</b> , 94, 911-9		10
68	Advances in characterization of size-resolved organic matter in marine aerosol over the North Atlantic. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		287
67	Size-segregated aerosol mass closure and chemical composition in Monte Cimone (I) during MINATROC. <i>Atmospheric Chemistry and Physics</i> , <b>2004</b> , 4, 889-902	6.8	126
66	Analytical formulas for the below-cloud scavenging coefficient of an irreversibly soluble gas: a quantitative evaluation for HNO <sub>3</sub> . <i>International Journal of Environment and Pollution</i> , <b>2004</b> , 21, 547	0.7	3
65	Mass closure on the chemical species in size-segregated atmospheric aerosol collected in an urban area of the Po Valley, Italy. <i>Atmospheric Chemistry and Physics</i> , <b>2003</b> , 3, 623-637	6.8	91
64	Comprehensive characterization of PM <sub>2.5</sub> aerosols in Singapore. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		117
63	Solubility properties of surfactants in atmospheric aerosol and cloud/fog water samples. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		41
62	Molecular Characterization of the Water-Soluble Organic Compounds in Fogwater by ESIMS/MS. <i>Environmental Science &amp; Technology</i> , <b>2003</b> , 37, 1229-1240	10.3	83
61	The influence of the organic aerosol component on CCN supersaturation spectra for different aerosol types. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2002</b> , 54, 74-81	3.3	18
60	Water soluble organic compounds formed by oxidation of soot. <i>Atmospheric Environment</i> , <b>2002</b> , 36, 1827-1832	5.3	202

59	The influence of the organic aerosol component on CCN supersaturation spectra for different aerosol types. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2002</b> , 54, 74-81	3.3	60
58	Water-soluble organic compounds in biomass burning aerosols over Amazonia 2. Apportionment of the chemical composition and importance of the polyacidic fraction. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, LBA 59-1		313
57	Can chemical effects on cloud droplet number rival the first indirect effect?. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 29-1-29-4	4.9	156
56	Water-soluble organic compounds in biomass burning aerosols over Amazonia 1. Characterization by NMR and GC-MS. <i>Journal of Geophysical Research</i> , <b>2002</b> , 107, LBA 14-1		368
55	Soluble organic compounds in fog and cloud droplets: what have we learned over the past few years?. <i>Atmospheric Research</i> , <b>2002</b> , 64, 89-98	5.4	64
54	Comments on Influence of Soluble Surfactant Properties on the Activation of Aerosol Particles Containing Inorganic Solute. <i>Journals of the Atmospheric Sciences</i> , <b>2001</b> , 58, 1465-1467	2.1	19
53	Characterisation of polar organic compounds in fog water. <i>Atmospheric Environment</i> , <b>2001</b> , 35, 2193-2209	3	49
52	Chemical features and seasonal variation of fine aerosol water-soluble organic compounds in the Po Valley, Italy. <i>Atmospheric Environment</i> , <b>2001</b> , 35, 3691-3699	5.3	230
51	A simplified model of the water soluble organic component of atmospheric aerosols. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 4079-4082	4.9	121
50	Chemical physics. Single-molecule spectroscopy comes of age. <i>Science</i> , <b>2001</b> , 292, 1671-2	33.3	144
49	ACE-2 HILLCLOUD. An overview of the ACE-2 ground-based cloud experiment. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2000</b> , 52, 750-778	3.3	41
48	Study of humic-like substances in fog and interstitial aerosol by size-exclusion chromatography and capillary electrophoresis. <i>Atmospheric Environment</i> , <b>2000</b> , 34, 4273-4281	5.3	140
47	Surface tension of atmospheric wet aerosol and cloud/fog droplets in relation to their organic carbon content and chemical composition. <i>Atmospheric Environment</i> , <b>2000</b> , 34, 4853-4857	5.3	252
46	Characterization of water-soluble organic compounds in atmospheric aerosol: A new approach. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 1481-1489		313
45	Cloud albedo enhancement by surface-active organic solutes in growing droplets. <i>Nature</i> , <b>1999</b> , 401, 257-259	50.4	598
44	Inorganic, organic and macromolecular components of fine aerosol in different areas of Europe in relation to their water solubility. <i>Atmospheric Environment</i> , <b>1999</b> , 33, 2733-2743	5.3	405
43	Partitioning of the organic aerosol component between fog droplets and interstitial air. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 26821-26832		159
42	Source identification during the Great Dun Fell cloud experiment 1993. <i>Atmospheric Environment</i> , <b>1997</b> , 31, 2441-2451	5.3	15



41	The reduced nitrogen budget of an orographic cloud. <i>Atmospheric Environment</i> , <b>1997</b> , 31, 2599-2614	5:3	23
40	The budget of oxidised nitrogen species in orographic clouds. <i>Atmospheric Environment</i> , <b>1997</b> , 31, 2625-2636	5:3	16
39	Experimental evidence for in-cloud production of aerosol sulphate. <i>Atmospheric Environment</i> , <b>1997</b> , 31, 2503-2514	5:3	57
38	Vertical gradients of dissolved chemical constituents in evaporating clouds. <i>Atmospheric Environment</i> , <b>1997</b> , 31, 2577-2588	5:3	6
37	The size-dependent chemical composition of cloud droplets. <i>Atmospheric Environment</i> , <b>1997</b> , 31, 2561-2576	5:3	44
36	Night-time formation and occurrence of new particles associated with orographic clouds. <i>Atmospheric Environment</i> , <b>1997</b> , 31, 2545-2559	5:3	63
35	The great dun fell cloud experiment 1993: An overview. <i>Atmospheric Environment</i> , <b>1997</b> , 31, 2393-2405	5:3	60
34	Observations and modelling of the processing of aerosol by a hill cap cloud. <i>Atmospheric Environment</i> , <b>1997</b> , 31, 2527-2543	5:3	49
33	Cloud processing of soluble gases. <i>Atmospheric Environment</i> , <b>1997</b> , 31, 2589-2598	5:3	50
32	Microphysics of clouds: Model vs measurements. <i>Atmospheric Environment</i> , <b>1997</b> , 31, 2453-2462	5:3	25
31	The NEVALPA project: A regional network for fog chemical climatology over the PO Valley basin. <i>Atmospheric Environment</i> , <b>1996</b> , 30, 201-213	5:3	44
30	The Kleiner Feldberg Cloud Experiment 1990. An overview. <i>Journal of Atmospheric Chemistry</i> , <b>1994</b> , 19, 3-35	3:2	67
29	Multiphase chemistry and acidity of clouds at Kleiner Feldberg. <i>Journal of Atmospheric Chemistry</i> , <b>1994</b> , 19, 87-106	3:2	37
28	Henry's law and the behavior of weak acids and bases in fog and cloud. <i>Journal of Atmospheric Chemistry</i> , <b>1994</b> , 19, 173-188	3:2	45
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