

# Hans Puxbaum

## List of Publications by Year in descending order

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165  
papers

12,850  
citations

20817

60  
h-index

28297

105  
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177  
all docs

177  
docs citations

177  
times ranked

8535  
citing authors

#	ARTICLE	IF	CITATIONS
1	The anthropogenic influence on carbonaceous aerosol in the European background. Tellus, Series B: Chemical and Physical Meteorology, 2022, 61, 464.	1.6	23
2	Aerosol Chemical Characterization and Contribution of Biomass Burning to Particulate Matter at a Residential Site in Islamabad, Pakistan. Aerosol and Air Quality Research, 2019, 19, 148-162.	2.1	14
3	Chemical characterization and mass closure of PM <sub>10</sub> and PM <sub>2.5</sub> at an urban site in Karachi – Pakistan. Atmospheric Environment, 2016, 128, 114-123.	4.1	68
4	Chemical composition of particles from traditional burning of Pakistani wood species. Atmospheric Environment, 2015, 121, 35-41.	4.1	25
5	CCN activation of ambient and "synthetic ambient" urban aerosol. , 2013, , .		0
6	Odor, gaseous and PM <sub>10</sub> emissions from small scale combustion of wood types indigenous to Central Europe. Atmospheric Environment, 2012, 51, 86-93.	4.1	48
7	Activation of "synthetic ambient" aerosols – Relation to chemical composition of particles <100 nm. Atmospheric Environment, 2012, 54, 583-591.	4.1	11
8	Source apportionment of the carbonaceous aerosol in Norway – quantitative estimates based on $\text{C}_{14}$ , $\text{C}_{13}$ , thermal-optical and organic tracer analysis. Atmospheric Chemistry and Physics, 2011, 11, 9375-9394.	4.9	75
9	Particulate and gaseous emissions from manually and automatically fired small scale combustion systems. Atmospheric Environment, 2011, 45, 7443-7454.	4.1	176
10	Indoor and outdoor atmospheric fungal spores in the São Paulo metropolitan area (Brazil): species and numeric concentrations. International Journal of Biometeorology, 2010, 54, 347-355.	3.0	47
11	Improved source assessment of Si, Al and related mineral components to PM <sub>10</sub> based on a daily sampling procedure. Journal of Environmental Sciences, 2010, 22, 582-588.	6.1	3
12	Multidimensional modeling of aerosol monitoring data. Environmental Pollution, 2010, 158, 3201-3208.	7.5	5
13	A European aerosol phenomenology – 3: Physical and chemical characteristics of particulate matter from 60 rural, urban, and kerbside sites across Europe. Atmospheric Environment, 2010, 44, 1308-1320.	4.1	654
14	Evaluation of aerosol sources at European high altitude background sites with trajectory statistical methods. Atmospheric Environment, 2010, 44, 2316-2329.	4.1	65
15	Particulate organic compounds emitted from experimental wildland fires in a Mediterranean ecosystem. Atmospheric Environment, 2010, 44, 2750-2759.	4.1	65
16	Particulate carbon in precipitation at European background sites. Journal of Aerosol Science, 2010, 41, 51-61.	3.8	80
17	Quantifying emissions of primary biological aerosol particle mass in Europe. Atmospheric Environment, 2009, 43, 1403-1409.	4.1	78
18	Impact of mineral components and selected trace metals on ambient PM <sub>10</sub> concentrations. Atmospheric Environment, 2009, 43, 530-538.	4.1	74

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19	A highly resolved anion-exchange chromatographic method for determination of saccharidic tracers for biomass combustion and primary bio-particles in atmospheric aerosol. Atmospheric Environment, 2009, 43, 1367-1371.	4.1	145
20	Wood burning impact on PM10 in three Austrian regions. Atmospheric Environment, 2009, 43, 2186-2195.	4.1	205
21	Application of the Integrating Sphere Method to Separate the Contributions of Brown and Black Carbon in Atmospheric Aerosols. Environmental Science & Technology, 2009, 43, 1141-1146.	10.0	47
22	Chemical characterisation of fine particle emissions from wood stove combustion of common woods growing in mid-European Alpine regions. Atmospheric Environment, 2008, 42, 126-141.	4.1	386
23	Arabitol and mannitol as tracers for the quantification of airborne fungal spores. Atmospheric Environment, 2008, 42, 588-593.	4.1	306
24	Size and composition of particulate emissions from motor vehicles in the Kaisermühl-Tunnel, Vienna. Atmospheric Environment, 2008, 42, 2173-2186.	4.1	129
25	Temporal patterns of n-alkanes at traffic exposed and suburban sites in Vienna. Atmospheric Environment, 2008, 42, 2993-3005.	4.1	31
26	Significant contributions of fungal spores to the organic carbon and to the aerosol mass balance of the urban atmospheric aerosol. Atmospheric Environment, 2008, 42, 5542-5549.	4.1	151
27	Chemical composition of atmospheric aerosols during the 2003 summer intense forest fire period. Atmospheric Environment, 2008, 42, 7530-7543.	4.1	231
28	Comparison of methods for the quantification of carbonate carbon in atmospheric PM10 aerosol samples. Atmospheric Environment, 2008, 42, 8055-8064.	4.1	59
29	Chemical characterisation of particle emissions from burning leaves. Atmospheric Environment, 2008, 42, 9070-9079.	4.1	140
30	Source Attribution of Submicron Organic Aerosols during Wintertime Inversions by Advanced Factor Analysis of Aerosol Mass Spectra. Environmental Science & Technology, 2008, 42, 214-220.	10.0	286
31	Intercomparison of Measurement Techniques for Black or Elemental Carbon Under Urban Background Conditions in Wintertime: Influence of Biomass Combustion. Environmental Science & Technology, 2008, 42, 884-889.	10.0	104
32	Combined Determination of the Chemical Composition and of Health Effects of Secondary Organic Aerosols: The POLYSOA Project. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2008, 21, 145-154.	1.4	95
33	Combined Determination of the Chemical Composition and of Health Effects of Secondary Organic Aerosols: The POLYSOA Project. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2008, ,	1.2	14
34	Quantifying Source Contribution to Ambient Particulate Matter in Austria with Chemical Mass Balance Receptor Modeling. NATO Security Through Science Series C: Environmental Security, 2008, , 711-712.	0.1	0
35	Direct radiative effect modeled for regional aerosols in central Europe including the effect of relative humidity. Journal of Geophysical Research, 2007, 112, .	3.3	7
36	Climatology of aerosol composition (organic versus inorganic) at nonurban sites on a west-east transect across Europe. Journal of Geophysical Research, 2007, 112, .	3.3	228

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37	Source apportionment of PM <sub>2.5</sub> organic aerosol over Europe: Primary/secondary, natural/anthropogenic, and fossil/biogenic origin. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	391
38	Levoglucosan levels at background sites in Europe for assessing the impact of biomass combustion on the European aerosol background. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	374
39	Seasonal trends and possible sources of brown carbon based on 2-yr aerosol measurements at six sites in Europe. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	169
40	Modeling carbonaceous aerosol over Europe: Analysis of the CARBOSOL and EMEP EC/OC campaigns. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	171
41	Concentration of atmospheric cellulose: A proxy for plant debris across a west-east transect over Europe. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	42
42	Summary of the CARBOSOL project: Present and retrospective state of organic versus inorganic aerosol over Europe. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	62
43	Determination of water and alkaline extractable atmospheric humic-like substances with the TU Vienna HULIS analyzer in samples from six background sites in Europe. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	85
44	Seasonal variation of particulate lipophilic organic compounds at nonurban sites in Europe. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	37
45	Determination of saccharides in atmospheric aerosol using anion-exchange high-performance liquid chromatography and pulsed-amperometric detection. <i>Journal of Chromatography A</i> , 2007, 1171, 37-45.	3.7	111
46	Composition and source apportionment of atmospheric aerosols in Portugal during the 2003 summer intense forest fire period. <i>WIT Transactions on Ecology and the Environment</i> , 2007, , .	0.0	1
47	Intercomparison of Thermal and Optical Measurement Methods for Elemental Carbon and Black Carbon at an Urban Location. <i>Environmental Science &amp; Technology</i> , 2006, 40, 6377-6383.	10.0	126
48	An Overview of Atmospheric Deposition Chemistry over the Alps: Present Status and Long-term Trends. <i>Hydrobiologia</i> , 2006, 562, 17-40.	2.0	114
49	Particle emissions from aircraft engines a survey of the European project PartEmis. <i>Meteorologische Zeitschrift</i> , 2005, 14, 465-476.	1.0	38
50	On the effects of organic matter and sulphur-containing compounds on the CCN activation of combustion particles. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 3187-3203.	4.9	77
51	Chemometrical exploration of the wet precipitation chemistry from the Austrian Monitoring Network (1988-1999). <i>Journal of Environmental Management</i> , 2005, 74, 349-363.	7.8	11
52	Concentrations of ethene and formaldehyde at a valley and a mountain top site in the Austrian Alps. <i>Atmospheric Environment</i> , 2005, 39, 4087-4091.	4.1	7
53	Carbon-Specific Analysis of Humic-like Substances in Atmospheric Aerosol and Precipitation Samples. <i>Analytical Chemistry</i> , 2005, 77, 7288-7293.	6.5	56
54	Gas to particle distribution of low molecular weight dicarboxylic acids at two different sites in central Europe (Austria). <i>Journal of Aerosol Science</i> , 2005, 36, 991-1005.	3.8	44

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55	AUPHEP“Austrian Project on Health Effects of Particulates”general overview. Atmospheric Environment, 2004, 38, 3905-3915.	4.1	65
56	Seasonal variation of palladium, elemental carbon and aerosol mass concentrations in airborne particulate matter. Atmospheric Environment, 2004, 38, 1979-1987.	4.1	30
57	A dual site study of PM2.5 and PM10 aerosol chemistry in the larger region of Vienna, Austria. Atmospheric Environment, 2004, 38, 3949-3958.	4.1	92
58	Acute effects of particulate matter on respiratory diseases, symptoms and functions:. Atmospheric Environment, 2004, 38, 3971-3981.	4.1	119
59	Particulate emissions from on-road vehicles in the Kaiserm¼hlen-tunnel (Vienna, Austria). Atmospheric Environment, 2004, 38, 2187-2195.	4.1	94
60	On the correlation of atmospheric aerosol components of mass size distributions in the larger region of a central European city. Atmospheric Environment, 2004, 38, 3959-3970.	4.1	24
61	Case study analysis of PM burden at an urban and a rural site during the AUPHEP project. Atmospheric Environment, 2004, 38, 3935-3948.	4.1	23
62	Artefacts in the sampling of nitrate studied in the “INTERCOMP”campaigns of EUROTRAC-AEROSOL. Atmospheric Environment, 2004, 38, 6487-6496.	4.1	122
63	INTERCOMP2000: the comparability of methods in use in Europe for measuring the carbon content of aerosol. Atmospheric Environment, 2004, 38, 6507-6519.	4.1	106
64	Multivariate Statistical Assessment of Air Quality: A Case Study. Mikrochimica Acta, 2004, 148, 293-298.	5.0	19
65	Combination of Sorption Tube Sampling and Thermal Desorption with Hollow Waveguide FT-IR Spectroscopy for Atmospheric Trace Gas Analysis:Å Determination of Atmospheric Ethene at the Lower ppb Level. Analytical Chemistry, 2004, 76, 464-468.	6.5	27
66	On the equivalence of gravimetric PM data with TEOM and beta-attenuation measurements. Journal of Aerosol Science, 2004, 35, 1135-1149.	3.8	96
67	Partikelgebundene organische Stoffe in der Atmosph¼re. Nachrichten Aus Der Chemie, 2004, 52, 560-564.	0.0	0
68	Aerosol chemical characteristics of a mega-city in Southeast Asia (Dhaka“Bangladesh). Atmospheric Environment, 2003, 37, 2517-2528.	4.1	180
69	Size distribution and seasonal variation of atmospheric cellulose. Atmospheric Environment, 2003, 37, 3693-3699.	4.1	105
70	ETAAS determination of palladium in environmental samples with on-line preconcentration and matrix separation. Journal of Analytical Atomic Spectrometry, 2003, 18, 161-165.	3.0	69
71	Properties of jet engine combustion particles during the PartEmis experiment: Microphysics and Chemistry. Geophysical Research Letters, 2003, 30, .	4.0	37
72	Secondary organic aerosol formation in the atmosphere via heterogeneous reaction of gaseous isoprene on acidic particles. Geophysical Research Letters, 2003, 30, .	4.0	325

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73	Airborne bacteria as cloud condensation nuclei. Journal of Geophysical Research, 2003, 108, .	3.3	136
74	A historical record of formate and acetate from a high-elevation Alpine glacier: Implications for their natural versus anthropogenic budgets at the European scale. Journal of Geophysical Research, 2003, 108, n/a-n/a.	3.3	34
75	Multivariate statistical study of simultaneously monitored cloud water, aerosol and rainwater data from different elevation levels in an alpine valley (Achenkirch, Tyrol, Austria). Talanta, 2003, 61, 519-528.	5.5	15
76	Determination of Pt, Pd and Rh by inductively coupled plasma sector field mass spectrometry (ICP-SFMS) in size-classified urban aerosol samples. Journal of Analytical Atomic Spectrometry, 2003, 18, 239-246.	3.0	121
77	Aerosol chemical characteristics of an island site in the Bay of Bengal (Bhola - Bangladesh). Journal of Environmental Monitoring, 2003, 5, 483.	2.1	33
78	<title>Clouds as habitat and seeders of active bacteria</title>. , 2002, , .		2
79	Determination of the Carbon Content of Airborne Fungal Spores. Analytical Chemistry, 2002, 74, 91-95.	6.5	79
80	Surface tension of Rax cloud water and its relation to the concentration of organic material. Journal of Geophysical Research, 2002, 107, AAC 5-1.	3.3	27
81	Monitoring ammonia in urban, inner alpine and pre-alpine ambient air. Journal of Environmental Monitoring, 2002, 4, 205-209.	2.1	22
82	Long-term assessment of the wet precipitation chemistry in Austria (1984â€“1999). Chemosphere, 2002, 48, 733-747.	8.2	19
83	CCN activation of oxalic and malonic acid test aerosols with the University of Vienna cloud condensation nuclei counter. Journal of Aerosol Science, 2002, 33, 1623-1634.	3.8	95
84	Bacteria and fungi in aerosols generated by two different types of wastewater treatment plants. Water Research, 2002, 36, 3965-3970.	11.3	104
85	The contribution of bacteria and fungal spores to the organic carbon content of cloud water, precipitation and aerosols. Atmospheric Research, 2002, 64, 109-119.	4.1	307
86	Formic, acetic, oxalic, malonic and succinic acid concentrations and their contribution to organic carbon in cloud water. Atmospheric Environment, 2002, 36, 1553-1558.	4.1	124
87	Bakterien der LÃ¼fte: Vom Winde verweht. Biologie in Unserer Zeit, 2002, 32, 42-49.	0.2	1
88	Altitude-dependent wet, dry and occult nitrogen deposition in an Alpine Region. Environmental Science and Pollution Research, 2002, 9, 16-22.	5.3	25
89	A critical evaluation of interlaboratory data on total, elemental, and isotopic carbon in the carbonaceous particle reference material, NIST SRM 1649a. Journal of Research of the National Institute of Standards and Technology, 2002, 107, 279.	1.2	163
90	Bacterial growth in supercooled cloud droplets. Geophysical Research Letters, 2001, 28, 239-242.	4.0	307

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91	Relationship between release of nitric oxide and CO <sub>2</sub> and their dependence on oxidation reduction potential in wastewater treatment. Chemosphere, 2001, 44, 1213-1221.	8.2	16
92	Emissions of NO, TVOC, CO <sub>2</sub> , and aerosols from a pilot-scale wastewater treatment plant with intermittent aeration. Atmospheric Environment, 2001, 35, 1697-1702.	4.1	10
93	Results of the "carbon conference" international aerosol carbon round robin test stage I. Atmospheric Environment, 2001, 35, 2111-2121.	4.1	419
94	Semivolatile behavior of dicarboxylic acids and other polar organic species at a rural background site (Nylsvley, RSA). Atmospheric Environment, 2001, 35, 1853-1862.	4.1	154
95	Decadal reductions of traffic emissions on a transit route in Austria " results of the Tauerntunnel experiment 1997. Atmospheric Environment, 2001, 35, 3585-3593.	4.1	57
96	The performance of a gas and aerosol monitoring system (GAMS) for the determination of acidic water soluble organic and inorganic gases and ammonia as well as related particles from the atmosphere. Atmospheric Environment, 2001, 35, 2861-2869.	4.1	40
97	Black carbon (BC) in alpine aerosols and cloud water " concentrations and scavenging efficiencies. Atmospheric Environment, 2001, 35, 5135-5141.	4.1	57
98	Title is missing!. Water, Air, and Soil Pollution, 2000, 117, 157-173.	2.4	23
99	Hydrocarbons Emissions from a Municipal Wastewater Treatment Pilot Plant in Vienna. Water, Air, and Soil Pollution, 2000, 124, 177-186.	2.4	9
100	Title is missing!. Journal of Atmospheric Chemistry, 2000, 35, 33-46.	3.2	51
101	Accelerator Mass Spectrometry Analysis of Non-Soluble Carbon in Aerosol Particles from High Alpine Snow (Mt. Sonnblich, Austria). Radiocarbon, 2000, 42, 285-294.	1.8	10
102	Approach for a novel control strategy for simultaneous nitrification/denitrification in activated sludge reactors. Water Research, 2000, 34, 2499-2506.	11.3	65
103	Dependence of in-cloud scavenging of polar organic aerosol compounds on the water solubility. Journal of Geophysical Research, 2000, 105, 19857-19867.	3.3	63
104	Mass balance of the atmospheric aerosol in a South African subtropical savanna (Nylsvley, May 1997). Journal of Geophysical Research, 2000, 105, 20697-20706.	3.3	53
105	Black carbon and other species at a high-elevation European site (Mount Sonnblick, 3106 m, Austria): Concentrations and scavenging efficiencies. Journal of Geophysical Research, 2000, 105, 24637-24645.	3.3	42
106	Trend, seasonal and multivariate modelling study of wet precipitation data from the Austrian Monitoring Network (1990"1997). Journal of Environmental Monitoring, 2000, 2, 424-431.	2.1	15
107	A GC-MS Method for the Determination of Polar Organic Compounds in Atmospheric Samples. International Journal of Environmental Analytical Chemistry, 1999, 73, 329-343.	3.3	16
108	Carbon Sorbents as a Mean for Enrichment of Atmospheric Oxygenated VOCs with Subsequent HRGC Determination. International Journal of Environmental Analytical Chemistry, 1999, 74, 91-106.	3.3	2



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109	Laboratory and field measurements of a badge type passive sampler for the determination of ambient sulfur dioxide concentrations. Fresenius' Journal of Analytical Chemistry, 1999, 363, 73-76.	1.5	4
110	Scavenging ratios for sulfate, ammonium and nitrate determined at Mt. Sonnblick (3106m a.s.l.). Atmospheric Environment, 1999, 33, 895-906.	4.1	44
111	Deposition of particulate matter in diffusion tube samplers for the determination of NO <sub>2</sub> and SO <sub>2</sub> . Atmospheric Environment, 1999, 33, 1323-1326.	4.1	10
112	Organic acids in continental background aerosols. Atmospheric Environment, 1999, 33, 1847-1852.	4.1	184
113	Contribution of carbonaceous material to cloud condensation nuclei concentrations in European background (Mt. Sonnblick) and urban (Vienna) aerosols. Atmospheric Environment, 1999, 33, 2647-2659.	4.1	65
114	Time trends in the concentrations of lead in wet precipitation from rural and urban sites in Austria. Chemosphere, 1999, 38, 2509-2515.	8.2	7
115	Inventorying emissions from nature in Europe. Journal of Geophysical Research, 1999, 104, 8113-8152.	3.3	452
116	Seasonal variation of SO <sub>2</sub> , HNO <sub>3</sub> , NH <sub>3</sub> and selected aerosol components at Sonnblick (3106ma.s.l.). Atmospheric Environment, 1998, 32, 3925-3939.	4.1	58
117	Transport of polluted boundary layer air from the Po Valley to high-alpine sites. Atmospheric Environment, 1998, 32, 3953-3965.	4.1	79
118	Concentration of ionic compounds in the wintertime deposition. Atmospheric Environment, 1998, 32, 4031-4040.	4.1	21
119	Ten years trends (1984-1993) in the precipitation chemistry in central Austria. Atmospheric Environment, 1998, 32, 193-202.	4.1	56
120	On-line measurements of sulfur dioxide at the 3km level over central Europe (Sonnblick observatory), Tj ETQq0 0 0 rgBT /Overlock 10 Tf	4.1	18
121	Seasonal and annual deposition rates of sulphur, nitrogen and chloride species to an oak forest in north-eastern Austria (Wolkersdorf, 240 m a.s.l.). Atmospheric Environment, 1998, 32, 3557-3568.	4.1	35
122	Scavenging efficiency of lead and sulfate in supercooled clouds at Sonnblick, 3106m a.s.l., Austria. Atmospheric Environment, 1998, 32, 3967-3974.	4.1	13
123	Relationships of major ions in snow fall and rime at Sonnblick observatory (SBO, 3106m) and implications for scavenging processes in mixed clouds. Atmospheric Environment, 1998, 32, 4011-4020.	4.1	27
124	Determination of silicon using electrothermal Zeeman atomic absorption spectrometry in presence of some transition metals as modifiers. Fresenius' Journal of Analytical Chemistry, 1998, 360, 650-653.	1.5	16
125	Occurrence of nitric acid and related compounds in the Northern Vienna basin during summertime anticyclonic conditions. Atmospheric Environment, 1997, 31, 1049-1057.	4.1	9
126	Observation of dipropenyldisulfide and other organic sulfur compounds in the atmosphere of a beech forest with Allium ursinum ground cover. Atmospheric Environment, 1997, 31, 291-294.	4.1	24



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127	Spatial variability in the chemical composition of the snowcover at high alpine sites. Theoretical and Applied Climatology, 1997, 56, 25-32.	2.8	3
128	Enzymatic determination of the cellulose content of atmospheric aerosols. Atmospheric Environment, 1996, 30, 1233-1236.	4.1	77
129	Relative contribution of oxygenated hydrocarbons to the total biogenic VOC emissions of selected mid-European agricultural and natural plant species. Atmospheric Environment, 1995, 29, 861-874.	4.1	339
130	Henry's law and the behavior of weak acids and bases in fog and cloud. Journal of Atmospheric Chemistry, 1994, 19, 173-188.	3.2	48
131	Determination of SO <sub>2</sub> , HNO <sub>3</sub> , NH <sub>3</sub> and aerosol components at a high alpine background site with a filter pack method. Analytica Chimica Acta, 1994, 291, 297-304.	5.4	30
132	Inorganic constituents in aerosols, cloud water and precipitation collected at the high alpine measurement station Sonnblick: Sampling, analysis and exemplary results. Fresenius' Journal of Analytical Chemistry, 1994, 350, 431-439.	1.5	7
133	?Badge-type? passive sampler for monitoring ambient ammonia concentrations. Fresenius' Journal of Analytical Chemistry, 1994, 350, 448-453.	1.5	13
134	A study of the influence of riming of ice crystals on snow chemistry during different seasons in precipitating continental clouds. Atmospheric Environment, 1994, 28, 3311-3328.	4.1	37
135	Cloudwater chemistry in the subcooled droplet regime at Mount Sonnblick (3106 M A.S.L., Salzburg.) Tj ETQq1 1 0,784314 rgBT /Ove	2.4	47
136	Seasonal variation of HNO <sub>3</sub> , HCl, SO <sub>2</sub> , NH <sub>3</sub> and particulate matter at a rural site in northeastern Austria (Wolkersdorf, 240 m a.s.l.). Atmospheric Environment Part A General Topics, 1993, 27, 2445-2447.	1.3	34
137	Comment [on "Should bulk cloudwater or fogwater samples obey Henry's law?" by S. N. Pandis and J. H. Seinfeld]. Journal of Geophysical Research, 1992, 97, 6075-6078.	3.3	26
138	Phase-partitioning and chemical reactions of low molecular weight organic compounds in fog. Tellus, Series B: Chemical and Physical Meteorology, 1992, 44, 533-544.	1.6	32
139	The Po Valley Fog Experiment 1989.. Tellus, Series B: Chemical and Physical Meteorology, 1992, 44, 448-468.	1.6	76
140	Analysis of Unusually High Ozone Peaks in the Vienna Urban Plume. , 1992, , 745-746.		0
141	Measurements and calculations of the aerosol absorption coefficient; the influence of systematical errors and state of mixing. Journal of Aerosol Science, 1991, 22, S443-S446.	3.8	5
142	A one-year record of ozone profiles in an Alpine valley (Zillertal/Tyrol, Austria, 600–2000 m a.s.l.). Atmospheric Environment Part A General Topics, 1991, 25, 1759-1765.	1.3	30
143	The palladium/silver membrane focusing injector ? A new inlet system for thermal desorption capillary gas chromatography. Fresenius' Journal of Analytical Chemistry, 1991, 339, 223-225.	1.5	1
144	An intercomparison of measurement systems for vapor and particulate phase concentrations of formic and acetic acids. Journal of Geophysical Research, 1989, 94, 6457-6471.	3.3	96

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145	Organic acid gas and liquid-phase measurements in Po Valley fall-winter conditions in the presence of fog. Tellus, Series B: Chemical and Physical Meteorology, 1988, 40B, 348-357.	1.6	76
146	Determination of inorganic and organic volatile acids, NH <sub>3</sub> , particulate SO <sub>4</sub> <sup>2-</sup> , NO <sub>3</sub> <sup>-</sup> and Cl <sup>-</sup> in ambient air with an annular diffusion denuder system. Fresenius Zeitschrift für Analytische Chemie, 1988, 331, 1-7.	0.8	39
147	Atmospheric concentrations of formic and acetic acid and related compounds in eastern and northern Austria. Atmospheric Environment, 1988, 22, 2841-2850.	1.0	105
148	Application of a Portable Ion Chromatograph for Field Site Measurements of the Ionic Composition of Fog Water and Atmospheric Aerosols. International Journal of Environmental Analytical Chemistry, 1987, 31, 11-22.	3.3	28
149	Analysis of aerosols using total reflection x-ray spectrometry. Analytical Chemistry, 1987, 59, 1911-1914.	6.5	38
150	Application of ion-selective electrodes in environmental analysis. Analytica Chimica Acta, 1987, 194, 163-170.	5.4	24
151	Simultane Bestimmung von einigen anorganischen und organischen Anionen durch ein ionenchromatographisches Drei-Säulen-System. Fresenius Zeitschrift für Analytische Chemie, 1985, 320, 445-450.	0.8	11
152	Spatial distribution of atmospheric aerosol constituents in Linz (Austria). Fresenius Zeitschrift für Analytische Chemie, 1985, 322, 205-212.	0.8	15
153	Chemical composition of nucleation and accumulation mode particles collected in Vienna, Austria. Atmospheric Environment, 1984, 18, 573-580.	1.0	26
154	Die Anwendung von Receptormodellen zur Aerosolquellenanalyse – Ein Review. Fresenius Zeitschrift für Analytische Chemie, 1984, 317, 278-285.	0.8	6
155	Photometrische Bestimmung von Phosphat und löslichem Silikat in Umweltproben. Mikrochimica Acta, 1984, 82, 361-376.	5.0	5
156	Vertical concentration profiles of traffic derived components in a street canyon. Science of the Total Environment, 1984, 36, 47-52.	8.0	8
157	Size distribution of traffic derived aerosols. Science of the Total Environment, 1984, 36, 299-303.	8.0	17
158	Inductively coupled plasma optical emission spectrometry for the analysis of aerosol samples collected by cascade impactors. Analytical Chemistry, 1982, 54, 2174-2179.	6.5	30
159	Application of Two Thermo-gas-analyzers for Atmospheric Aerosol Characterization. International Journal of Environmental Analytical Chemistry, 1981, 10, 1-6.	3.3	7
160	A simple routine method for the rapid determination of organic and inorganic carbon in oil shale. Analytica Chimica Acta, 1978, 99, 263-268.	5.4	0
161	Analysis of the respirable fraction of airborne particles collected by cascade impactors. Fresenius Zeitschrift für Analytische Chemie, 1978, 291, 354-365.	0.8	6
162	Eine relativkonduktometrische Mikromethode zur Bestimmung von Ammonium in Stäuben. Mikrochimica Acta, 1977, 68, 157-165.	5.0	3

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163	Potentiometric determination of chloride and bromide in airborne dust. Mikrochimica Acta, 1977, 68, 325-330.	5.0	4
164	Thermoanalytical investigations on dust. Fresenius Zeitschrift für Analytische Chemie, 1976, 282, 291-295.	0.8	10
165	Two micromethods for the determination of low sulphur dioxide contents in glass. Analytica Chimica Acta, 1975, 74, 261-268.	5.4	2