Hans Puxbaum

List of Publications by Year
in descending order

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165 papers	12,850 citations	20797 60 h-index	28275 105 g-index
177 all docs	177 docs citations	177 times ranked	8535 citing authors

#	Article	IF	Citations
1	A European aerosol phenomenology â€“ 3: Physical and chemical characteristics of particulate matter from 60 rural, urban, and kerbside sites across Europe. Atmospheric Environment, 2010, 44, 1308-1320.	1.9	654
2	Inventorying emissions from nature in Europe. Journal of Geophysical Research, 1999, 104, 8113-8152.	3.3	452
3	Results of the â€œcarbon conferenceâ€•international aerosol carbon round robin test stage I. Atmospheric Environment, 2001, 35, 2111-2121.	1.9	419
4	Source apportionment of PM2.5 organic aerosol over Europe: Primary/secondary, natural/anthropogenic, and fossil/biogenic origin. Journal of Geophysical Research, 2007, 112, .	3.3	391
5	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.	1.9	386
6	Levoglucosan levels at background sites in Europe for assessing the impact of biomass combustion on the European aerosol background. Journal of Geophysical Research, 2007, 112, .	3.3	374
7	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.	1.9	339
8	Secondary organic aerosol formation in the atmosphere via heterogeneous reaction of gaseous isoprene on acidic particles. Geophysical Research Letters, 2003, 30, .	1.5	325
9	Bacterial growth in supercooled cloud droplets. Geophysical Research Letters, 2001, 28, 239-242.	1.5	307
10	The contribution of bacteria and fungal spores to the organic carbon content of cloud water, precipitation and aerosols. Atmospheric Research, 2002, 64, 109-119.	1.8	307
11	Arabitol and mannitol as tracers for the quantification of airborne fungal spores. Atmospheric Environment, 2008, 42, 588-593.	1.9	306
12	Source Attribution of Submicron Organic Aerosols during Wintertime Inversions by Advanced Factor Analysis of Aerosol Mass Spectra. Environmental Science & Technology, 2008, 42, 214-220.	4.6	286
13	Chemical composition of atmospheric aerosols during the 2003 summer intense forest fire period. Atmospheric Environment, 2008, 42, 7530-7543.	1.9	231
14	Climatology of aerosol composition (organic versus inorganic) at nonurban sites on a westâ€•east transect across Europe. Journal of Geophysical Research, 2007, 112, .	3.3	228
15	Wood burning impact on PM10 in three Austrian regions. Atmospheric Environment, 2009, 43, 2186-2195.	1.9	205
16	Organic acids in continental background aerosols. Atmospheric Environment, 1999, 33, 1847-1852.	1.9	184
17	Aerosol chemical characteristics of a mega-city in Southeast Asia (Dhakaâ€“Bangladesh). Atmospheric Environment, 2003, 37, 2517-2528.	1.9	180
18	Particulate and gaseous emissions from manually and automatically fired small scale combustion systems. Atmospheric Environment, 2011, 45, 7443-7454.	1.9	176

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19	Modeling carbonaceous aerosol over Europe: Analysis of the CARBOSOL and EMEP EC/OC campaigns. Journal of Geophysical Research, 2007, 112, .	3.3	171
20	Seasonal trends and possible sources of brown carbon based on 2â€year aerosol measurements at six sites in Europe. Journal of Geophysical Research, 2007, 112, .	3.3	169
21	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.	0.4	163
22	Semivolatile behavior of dicarboxylic acids and other polar organic species at a rural background site (Nylsvley, RSA). Atmospheric Environment, 2001, 35, 1853-1862.	1.9	154
23	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.	1.9	151
24	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.	1.9	145
25	Chemical characterisation of particle emissions from burning leaves. Atmospheric Environment, 2008, 42, 9070-9079.	1.9	140
26	Airborne bacteria as cloud condensation nuclei. Journal of Geophysical Research, 2003, 108, .	3.3	136
27	Size and composition of particulate emissions from motor vehicles in the KaisermÃ¼hlen-Tunnel, Vienna. Atmospheric Environment, 2008, 42, 2173-2186.	1.9	129
28	Intercomparison of Thermal and Optical Measurement Methods for Elemental Carbon and Black Carbon at an Urban Location. Environmental Science & Technology, 2006, 40, 6377-6383.	4.6	126
29	Formic, acetic, oxalic, malonic and succinic acid concentrations and their contribution to organic carbon in cloud water. Atmospheric Environment, 2002, 36, 1553-1558.	1.9	124
30	Artefacts in the sampling of nitrate studied in the â€œINTERCOMPâ€•campaigns of EUROTRAC-AEROSOL. Atmospheric Environment, 2004, 38, 6487-6496.	1.9	122
31	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.	1.6	121
32	Acute effects of particulate matter on respiratory diseases, symptoms and functions:. Atmospheric Environment, 2004, 38, 3971-3981.	1.9	119
33	An Overview of Atmospheric Deposition Chemistry over the Alps: Present Status and Long-term Trends. Hydrobiologia, 2006, 562, 17-40.	1.0	114
34	Determination of saccharides in atmospheric aerosol using anion-exchange high-performance liquid chromatography and pulsed-amperometric detection. Journal of Chromatography A, 2007, 1171, 37-45.	1.8	111
35	INTERCOMP2000: the comparability of methods in use in Europe for measuring the carbon content of aerosol. Atmospheric Environment, 2004, 38, 6507-6519.	1.9	106
36	Atmospheric concentrations of formic and acetic acid and related compounds in eastern and northern Austria. Atmospheric Environment, 1988, 22, 2841-2850.	1.1	105

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37	Size distribution and seasonal variation of atmospheric cellulose. Atmospheric Environment, 2003, 37, 3693-3699.	1.9	105
38	Bacteria and fungi in aerosols generated by two different types of wastewater treatment plants. Water Research, 2002, 36, 3965-3970.	5.3	104
39	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.	4.6	104
40	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
41	On the equivalence of gravimetric PM data with TEOM and beta-attenuation measurements. Journal of Aerosol Science, 2004, 35, 1135-1149.	1.8	96
42	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.	1.8	95
43	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.	0.7	95
44	Particulate emissions from on-road vehicles in the KaisermÃ¼hlen-tunnel (Vienna, Austria). Atmospheric Environment, 2004, 38, 2187-2195.	1.9	94
45	A dual site study of PM2.5 and PM10 aerosol chemistry in the larger region of Vienna, Austria. Atmospheric Environment, 2004, 38, 3949-3958.	1.9	92
46	Determination of water and alkaline extractable atmospheric humicâ€like substances with the TU Vienna HULIS analyzer in samples from six background sites in Europe. Journal of Geophysical Research, 2007, 112, .	3.3	85
47	Particulate carbon in precipitation at European background sites. Journal of Aerosol Science, 2010, 41, 51-61.	1.8	80
48	Transport of polluted boundary layer air from the Po Valley to high-alpine sites. Atmospheric Environment, 1998, 32, 3953-3965.	1.9	79
49	Determination of the Carbon Content of Airborne Fungal Spores. Analytical Chemistry, 2002, 74, 91-95.	3.2	79
50	Quantifying emissions of primary biological aerosol particle mass in Europe. Atmospheric Environment, 2009, 43, 1403-1409.	1.9	78
51	Enzymatic determination of the cellulose content of atmospheric aerosols. Atmospheric Environment, 1996, 30, 1233-1236.	1.9	77
52	On the effects of organic matter and sulphur-containing compounds on the CCN activation of combustion particles. Atmospheric Chemistry and Physics, 2005, 5, 3187-3203.	1.9	77
53	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.	0.8	76
54	The Po Valley Fog Experiment 1989.. Tellus, Series B: Chemical and Physical Meteorology, 1992, 44, 448-468.	0.8	76

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55	Source apportionment of the carbonaceous aerosol in Norway â€“ quantitative estimates based on ¹⁴C, thermal-optical and organic tracer analysis. Atmospheric Chemistry and Physics, 2011, 11, 9375-9394.	1.9	75
56	Impact of mineral components and selected trace metals on ambient PM10 concentrations. Atmospheric Environment, 2009, 43, 530-538.	1.9	74
57	ETAAS determination of palladium in environmental samples with on-line preconcentration and matrix separation. Journal of Analytical Atomic Spectrometry, 2003, 18, 161-165.	1.6	69
58	Chemical characterization and mass closure of PM10 and PM2.5Âat an urban site in Karachi â€“ Pakistan. Atmospheric Environment, 2016, 128, 114-123.	1.9	68
59	Contribution of carbonaceous material to cloud condensation nuclei concentrations in European background (Mt. Sonnblick) and urban (Vienna) aerosols. Atmospheric Environment, 1999, 33, 2647-2659.	1.9	65
60	Approach for a novel control strategy for simultaneous nitrification/denitrification in activated sludge reactors. Water Research, 2000, 34, 2499-2506.	5.3	65
61	AUPHEPâ€”Austrian Project on Health Effects of Particulatesâ€”general overview. Atmospheric Environment, 2004, 38, 3905-3915.	1.9	65
62	Evaluation of aerosol sources at European high altitude background sites with trajectory statistical methods. Atmospheric Environment, 2010, 44, 2316-2329.	1.9	65
63	Particulate organic compounds emitted from experimental wildland fires in a Mediterranean ecosystem. Atmospheric Environment, 2010, 44, 2750-2759.	1.9	65
64	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
65	Summary of the CARBOSOL project: Present and retrospective state of organic versus inorganic aerosol over Europe. Journal of Geophysical Research, 2007, 112, .	3.3	62
66	Comparison of methods for the quantification of carbonate carbon in atmospheric PM10 aerosol samples. Atmospheric Environment, 2008, 42, 8055-8064.	1.9	59
67	Seasonal variation of SO2, HNO3, NH3 and selected aerosol components at Sonnblick (3106ma.s.l.). Atmospheric Environment, 1998, 32, 3925-3939.	1.9	58
68	Decadal reductions of traffic emissions on a transit route in Austria â€“ results of the Tauerntunnel experiment 1997. Atmospheric Environment, 2001, 35, 3585-3593.	1.9	57
69	Black carbon (BC) in alpine aerosols and cloud waterâ€”concentrations and scavenging efficiencies. Atmospheric Environment, 2001, 35, 5135-5141.	1.9	57
70	Ten years trends (1984â€“1993) in the precipitation chemistry in central Austria. Atmospheric Environment, 1998, 32, 193-202.	1.9	56
71	Carbon-Specific Analysis of Humic-like Substances in Atmospheric Aerosol and Precipitation Samples. Analytical Chemistry, 2005, 77, 7288-7293.	3.2	56
72	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

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73	Title is missing!. Journal of Atmospheric Chemistry, 2000, 35, 33-46.	1.4	51
74	Henry's law and the behavior of weak acids and bases in fog and cloud. Journal of Atmospheric Chemistry, 1994, 19, 173-188.	1.4	48
75	Odor, gaseous and PM10 emissions from small scale combustion of wood types indigenous to Central Europe. Atmospheric Environment, 2012, 51, 86-93.	1.9	48
76	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.	4.6	47
77	Indoor and outdoor atmospheric fungal spores in the SÃ£o Paulo metropolitan area (Brazil): species and numeric concentrations. International Journal of Biometeorology, 2010, 54, 347-355.	1.3	47
78	Cloudwater chemistry in the subcooled droplet regime at Mount Sonnblick (3106 M A.S.L., Salzburg,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.1	47
79	Scavenging ratios for sulfate, ammonium and nitrate determined at Mt. Sonnblick (3106m a.s.l.). Atmospheric Environment, 1999, 33, 895-906.	1.9	44
80	Gas to particle distribution of low molecular weight dicarboxylic acids at two different sites in central Europe (Austria). Journal of Aerosol Science, 2005, 36, 991-1005.	1.8	44
81	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
82	Concentration of atmospheric cellulose: A proxy for plant debris across a westâ€east transect over Europe. Journal of Geophysical Research, 2007, 112, .	3.3	42
83	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.	1.9	40
84	Determination of inorganic and organic volatile acids, NH3, particulate SO 4 2â˜ , NO 3 2â˜ and Clâ˜ in ambient air with an annular diffusion denuder system. Fresenius Zeitschrift FÃ¼r Analytische Chemie, 1988, 331, 1-7.	0.7	39
85	Analysis of aerosols using total reflection x-ray spectrometry. Analytical Chemistry, 1987, 59, 1911-1914.	3.2	38
86	Particle emissions from aircraft engines a survey of the European project PartEmis. Meteorologische Zeitschrift, 2005, 14, 465-476.	0.5	38
87	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.	1.9	37
88	Properties of jet engine combustion particles during the PartEmis experiment: Microphysics and Chemistry. Geophysical Research Letters, 2003, 30, .	1.5	37
89	Seasonal variation of particulate lipophilic organic compounds at nonurban sites in Europe. Journal of Geophysical Research, 2007, 112, .	3.3	37
90	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.	1.9	35

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91	Seasonal variation of HNO3, HCl, SO2, NH3 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
92	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
93	Aerosol chemical characteristics of an island site in the Bay of Bengal (Bhola - Bangladesh). Journal of Environmental Monitoring, 2003, 5, 483.	2.1	33
94	Phase-partitioning and chemical reactions of low molecular weight organic compounds in fog. Tellus, Series B: Chemical and Physical Meteorology, 1992, 44, 533-544.	0.8	32
95	Temporal patterns of n-alkanes at traffic exposed and suburban sites in Vienna. Atmospheric Environment, 2008, 42, 2993-3005.	1.9	31
96	Inductively coupled plasma optical emission spectrometry for the analysis of aerosol samples collected by cascade impactors. Analytical Chemistry, 1982, 54, 2174-2179.	3.2	30
97	A one-year record of ozone profiles in an Alpine valley (Zillertal/Tyrol, Austria, 600â€“2000 m a.s.l.). Atmospheric Environment Part A General Topics, 1991, 25, 1759-1765.	1.3	30
98	Determination of SO2, HNO3, NH3 and aerosol components at a high alpine background site with a filter pack method. Analytica Chimica Acta, 1994, 291, 297-304.	2.6	30
99	Seasonal variation of palladium, elemental carbon and aerosol mass concentrations in airborne particulate matter. Atmospheric Environment, 2004, 38, 1979-1987.	1.9	30
100	Application of a Portable Ion Chromatograph for Field Site Measurements of the Ionic Composition of Fog Water and Atmospheric Aerosolsa. International Journal of Environmental Analytical Chemistry, 1987, 31, 11-22.	1.8	28
101	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.	1.9	27
102	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
103	Combination of Sorption Tube Sampling and Thermal Desorption with Hollow Waveguide FT-IR Spectroscopy for Atmospheric Trace Gas Analysis:Â Determination of Atmospheric Ethene at the Lower ppb Level. Analytical Chemistry, 2004, 76, 464-468.	3.2	27
104	Chemical composition of nucleation and accumulation mode particles collected in Vienna, Austria. Atmospheric Environment, 1984, 18, 573-580.	1.1	26
105	Comment [on â€œShould bulk cloudwater or fogwater samples obey Henry's law?â€•by S. N. Pandis and J. H. Seinfeld]. Journal of Geophysical Research, 1992, 97, 6075-6078.	3.3	26
106	Altitude-dependent wet, dry and occult nitrogen deposition in an Alpine Region. Environmental Science and Pollution Research, 2002, 9, 16-22.	2.7	25
107	Chemical composition of particles from traditional burning of Pakistani wood species. Atmospheric Environment, 2015, 121, 35-41.	1.9	25
108	Application of ion-selective electrodes in environmental analysis. Analytica Chimica Acta, 1987, 194, 163-170.	2.6	24

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109	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.	1.9	24
110	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.	1.9	24
111	Title is missing!. Water, Air, and Soil Pollution, 2000, 117, 157-173.	1.1	23
112	Case study analysis of PM burden at an urban and a rural site during the AUPHEP project. Atmospheric Environment, 2004, 38, 3935-3948.	1.9	23
113	The anthropogenic influence on carbonaceous aerosol in the European background. Tellus, Series B: Chemical and Physical Meteorology, 2022, 61, 464.	0.8	23
114	Monitoring ammonia in urban, inner alpine and pre-alpine ambient air. Journal of Environmental Monitoring, 2002, 4, 205-209.	2.1	22
115	Concentration of ionic compounds in the wintertime deposition. Atmospheric Environment, 1998, 32, 4031-4040.	1.9	21
116	Long-term assessment of the wet precipitation chemistry in Austria (1984â€“1999). Chemosphere, 2002, 48, 733-747.	4.2	19
117	Multivariate Statistical Assessment of Air Quality: A Case Study. Mikrochimica Acta, 2004, 148, 293-298.	2.5	19
118	On-line measurements of sulfur dioxide at the 3km level over central Europe (Sonnblick observatory,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.9	18
119	Size distribution of traffic derived aerosols. Science of the Total Environment, 1984, 36, 299-303.	3.9	17
120	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
121	A GC-MS Method for the Determination of Polar Organic Compounds in Atmospheric Samples. International Journal of Environmental Analytical Chemistry, 1999, 73, 329-343.	1.8	16
122	Relationship between release of nitric oxide and CO2 and their dependence on oxidation reduction potential in wastewater treatment. Chemosphere, 2001, 44, 1213-1221.	4.2	16
123	Spatial distribution of atmospheric aerosol constituents in Linz (Austria). Fresenius Zeitschrift FÃ¼r Analytische Chemie, 1985, 322, 205-212.	0.7	15
124	Trend, seasonal and multivariate modelling study of wet precipitation data from the Austrian Monitoring Network (1990â€“1997). Journal of Environmental Monitoring, 2000, 2, 424-431.	2.1	15
125	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.	2.9	15
126	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

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127	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.	0.9	14
128	?Badge-type? passive sampler for monitoring ambient ammonia concentrations. Fresenius' Journal of Analytical Chemistry, 1994, 350, 448-453.	1.5	13
129	Scavenging efficiency of lead and sulfate in supercooled clouds at Sonnblick, 3106m a.s.l., Austria. Atmospheric Environment, 1998, 32, 3967-3974.	1.9	13
130	Simultane Bestimmung von einigen anorganischen und organischen Anionen durch ein ionenchromatographisches Drei-SÃulen-System. Fresenius Zeitschrift FÃ¼r Analytische Chemie, 1985, 320, 445-450.	0.7	11
131	Chemometrical exploration of the wet precipitation chemistry from the Austrian Monitoring Network (1988â€“1999). Journal of Environmental Management, 2005, 74, 349-363.	3.8	11
132	Activation of â€œsynthetic ambientâ€•aerosols â€“ Relation to chemical composition of particles <100 nm. Atmospheric Environment, 2012, 54, 583-591.	1.9	11
133	Thermoanalytical investigations on dust. Fresenius Zeitschrift FÃ¼r Analytische Chemie, 1976, 282, 291-295.	0.7	10
134	Deposition of particulate matter in diffusion tube samplers for the determination of NO2 and SO2. Atmospheric Environment, 1999, 33, 1323-1326.	1.9	10
135	Accelerator Mass Spectrometry Analysis of Non-Soluble Carbon in Aerosol Particles from High Alpine Snow (Mt. Sonnblich, Austria). Radiocarbon, 2000, 42, 285-294.	0.8	10
136	Emissions of NO, TVOC, CO2, and aerosols from a pilot-scale wastewater treatment plant with intermittent aeration. Atmospheric Environment, 2001, 35, 1697-1702.	1.9	10
137	Occurrence of nitric acid and related compounds in the Northern Vienna basin during summertime anticyclonic conditions. Atmospheric Environment, 1997, 31, 1049-1057.	1.9	9
138	Hydrocarbons Emissions from a Municipal Wastewater Treatment Pilot Plant in Vienna. Water, Air, and Soil Pollution, 2000, 124, 177-186.	1.1	9
139	Vertical concentration profiles of traffic derived components in a street canyon. Science of the Total Environment, 1984, 36, 47-52.	3.9	8
140	Application of Two Thermo-gas-analyzers for Atmospheric Aerosol Characterization. International Journal of Environmental Analytical Chemistry, 1981, 10, 1-6.	1.8	7
141	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
142	Time trends in the concentrations of lead in wet precipitation from rural and urban sites in Austria. Chemosphere, 1999, 38, 2509-2515.	4.2	7
143	Concentrations of ethene and formaldehyde at a valley and a mountain top site in the Austrian Alps. Atmospheric Environment, 2005, 39, 4087-4091.	1.9	7
144	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

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145	Analysis of the respirable fraction of airborne particles collected by cascade impactors. Fresenius Zeitschrift FÃ¼r Analytische Chemie, 1978, 291, 354-365.	0.7	6
146	Die Anwendung von Receptormodellen zur Aerosolquellenanalyse â€" Ein Review. Fresenius Zeitschrift FÃ¼r Analytische Chemie, 1984, 317, 278-285.	0.7	6
147	Photometrische Bestimmung von Phosphat und lï¿½slichem Silikat in Umweltproben. Mikrochimica Acta, 1984, 82, 361-376.	2.5	5
148	Measurements and calculationsof the aerosol absorption coefficient; the influence of systematical errors and state of mixing. Journal of Aerosol Science, 1991, 22, S443-S446.	1.8	5
149	Multidimensional modeling of aerosol monitoring data. Environmental Pollution, 2010, 158, 3201-3208.	3.7	5
150	Potentiometric determination of chloride and bromide in airborne dust. Mikrochimica Acta, 1977, 68, 325-330.	2.5	4
151	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
152	Eine relativkonduktometrische Mikromethode zur Bestimmung von Ammonium in Stï¿½uben. Mikrochimica Acta, 1977, 68, 157-165.	2.5	3
153	Spatial variability in the chemical composition of the snowcover at high alpine sites. Theoretical and Applied Climatology, 1997, 56, 25-32.	1.3	3
154	Improved source assessment of Si, Al and related mineral components to PM10 based on a daily sampling procedure. Journal of Environmental Sciences, 2010, 22, 582-588.	3.2	3
155	Two micromethods for the determination of low sulphur dioxide contents in glass. Analytica Chimica Acta, 1975, 74, 261-268.	2.6	2
156	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.	1.8	2
157	<title>Clouds as habitat and seeders of active bacteria</title>. , 2002, , .		2
158	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
159	Bakterien der LÃ¼fte: Vom Winde verweht. Biologie in Unserer Zeit, 2002, 32, 42-49.	0.3	1
160	Composition and source apportionment of atmospheric aerosols in Portugal during the 2003 summer intense forest fire period. WIT Transactions on Ecology and the Environment, 2007, , .	0.0	1
161	A simple routine method for the rapid determination of organic and inorganic carbon in oil shale. Analytica Chimica Acta, 1978, 99, 263-268.	2.6	0
162	Partikelgebundene organische Stoffe in der AtmosphÃre. Nachrichten Aus Der Chemie, 2004, 52, 560-564.	0.0	0

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163	CCN activation of ambient and "synthetic ambient" urban aerosol. , 2013, , .		0
164	Analysis of Unusually High Ozone Peaks in the Vienna Urban Plume. , 1992, , 745-746.		0
165	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