Margit Schwikowski

List of Publications by Year
in descending order

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178 papers	10,735 citations	43973 48 h-index	40881 93 g-index
247 all docs	247 docs citations	247 times ranked	9933 citing authors

#	Article	IF	Citations
1	Aerosol transport to the high Alpine sites Jungfraujoch (3454 m asl) and Colle Gnifetti (4452 m asl). Tellus, Series B: Chemical and Physical Meteorology, 2022, 50, 76.	0.8	84
2	Anthropogenic versus natural sources of atmospheric sulphate from an Alpine ice core. Tellus, Series B: Chemical and Physical Meteorology, 2022, 51, 938.	0.8	45
3	Meltwater-induced relocation of chemical species in Alpine firn. Tellus, Series B: Chemical and Physical Meteorology, 2022, 53, 192.	0.8	60
4	Deposition of sulphur and nitrogen in Europe 1900â€“2050. Model calculations and comparison to historical observations. Tellus, Series B: Chemical and Physical Meteorology, 2022, 69, 1328945.	0.8	147
5	SNOSP: Ion deposition and concentration in high alpine snow packs. Tellus, Series B: Chemical and Physical Meteorology, 2022, 49, 56.	0.8	22
6	Towards comprehensive non-target screening using heart-cut two-dimensional liquid chromatography for the analysis of organic atmospheric tracers in ice cores. Journal of Chromatography A, 2022, 1661, 462706.	1.8	3
7	Mt. Everestâ€™s highest glacier is a sentinel for accelerating ice loss. Npj Climate and Atmospheric Science, 2022, 5, .	2.6	19
8	Anthropogenic influence on surface changes at the Olivares glaciers; Central Chile. Science of the Total Environment, 2022, 833, 155068.	3.9	8
9	A quantitative method of resolving annual precipitation for the past millennia from Tibetan ice cores. Cryosphere, 2022, 16, 1997-2008.	1.5	2
10	Crystallographic analysis of temperate ice on Rhonegletscher, Swiss Alps. Cryosphere, 2021, 15, 677-694.	1.5	10
11	Radiocarbon dating of alpine ice cores with the dissolved organic carbon (DOC) fraction. Cryosphere, 2021, 15, 1537-1550.	1.5	10
12	Brief communication: New evidence further constraining Tibetan ice core chronologies to the Holocene. Cryosphere, 2021, 15, 2109-2114.	1.5	11
13	Significant mass loss in the accumulation area of the Adamello glacier indicated by the chronology of a 46â€‰m ice core. Cryosphere, 2021, 15, 4135-4143.	1.5	7
14	Alpine Glacier Reveals Ecosystem Impacts of Europe's Prosperity and Peril Over the Last Millennium. Geophysical Research Letters, 2021, 48, e2021GL095039.	1.5	8
15	Comparison of historical and recent accumulation rates on Abramov Glacier, Pamir Alay. Journal of Glaciology, 2021, 67, 253-268.	1.1	7
16	Temperature Trends in the Northwestern Tibetan Plateau Constrained by Ice Core Water Isotopes Over the Past 7,000 Years. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032560.	1.2	43
17	New glacier evidence for ice-free summits during the life of the Tyrolean Iceman. Scientific Reports, 2020, 10, 20513.	1.6	14
18	Kupferspuren im Gletscher. Nachrichten Aus Der Chemie, 2020, 68, 73-75.	0.0	0

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19	Twentieth Century Black Carbon and Dust Deposition on South Cascade Glacier,ÂWashington State, USA, as Reconstructed From aÂ158â€mâ€Long Ice Core. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031126.	1.2	9
20	Application of the radionuclide²¹⁰Pb in glaciology â€“ an overview. Journal of Glaciology, 2020, 66, 447-456.	1.1	11
21	Mapping the age of ice of Gauligletscher combining surface radionuclide contamination and ice flow modeling. Cryosphere, 2020, 14, 4233-4251.	1.5	3
22	Tracing devastating fires in Portugal to a snow archive in the Swiss Alps: a case study. Cryosphere, 2020, 14, 3731-3745.	1.5	4
23	Tropical Andean glacier reveals colonial legacy in modern mountain ecosystems. Quaternary Science Reviews, 2019, 220, 1-13.	1.4	15
24	Apparent discrepancy of Tibetan ice core <i>Î´</i>¹⁸O records may be attributed to misinterpretation of chronology. Cryosphere, 2019, 13, 1743-1752.	1.5	23
25	A Comprehensive Nontarget Analysis for the Molecular Reconstruction of Organic Aerosol Composition from Glacier Ice Cores. Environmental Science & Technology, 2019, 53, 12565-12575.	4.6	10
26	Why loss matters: Reply to the comments of Festi and others on â€˜A quantitative comparison of microfossil extraction methods from ice coresâ€™ by Brugger and others (2018). Journal of Glaciology, 2019, 65, 867-868.	1.1	2
27	A Holocene black carbon ice-core record of biomass burning in the Amazon Basin from Illimani, Bolivia. Climate of the Past, 2019, 15, 579-592.	1.3	29
28	Meltâ€Induced Fractionation of Major Ions and Trace Elements in an Alpine Snowpack. Journal of Geophysical Research F: Earth Surface, 2019, 124, 1647-1657.	1.0	18
29	Extraction of Dissolved Organic Carbon from Glacier Ice for Radiocarbon Analysis. Radiocarbon, 2019, 61, 681-694.	0.8	4
30	Variation of Ice Nucleating Particles in the European Arctic Over the Last Centuries. Geophysical Research Letters, 2019, 46, 4007-4016.	1.5	40
31	Direct Injection Liquid Chromatography High-Resolution Mass Spectrometry for Determination of Primary and Secondary Terrestrial and Marine Biomarkers in Ice Cores. Analytical Chemistry, 2019, 91, 5051-5057.	3.2	6
32	Palynological insights into global change impacts on Arctic vegetation, fire, and pollution recorded in Central Greenland ice. Holocene, 2019, 29, 1189-1197.	0.9	19
33	A new method for the determination of primary and secondary terrestrial and marine biomarkers in ice cores using liquid chromatography high-resolution mass spectrometry. Talanta, 2019, 194, 233-242.	2.9	5
34	A quantitative comparison of microfossil extraction methods from ice cores. Journal of Glaciology, 2018, 64, 432-442.	1.1	16
35	Spectral signatures of submicron scale light-absorbing impurities in snow and ice using hyperspectral microscopy. Journal of Glaciology, 2018, 64, 377-386.	1.1	12
36	An empirical perspective for understanding climate change impacts in Switzerland. Regional Environmental Change, 2018, 18, 205-221.	1.4	23

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37	Aromatic acids in an Arctic ice core from Svalbard: a proxy record of biomass burning. Climate of the Past, 2018, 14, 637-651.	1.3	17
38	Impact and implications of meltwater percolation on trace element records observed in a high-Alpine ice core. Journal of Glaciology, 2018, 64, 877-886.	1.1	16
39	Variability of sea salts in ice and firn cores from Fimbul Ice Shelf, Dronning Maud Land, Antarctica. Cryosphere, 2018, 12, 1681-1697.	1.5	8
40	19th century glacier retreat in the Alps preceded the emergence of industrial black carbon deposition on high-alpine glaciers. Cryosphere, 2018, 12, 3311-3331.	1.5	64
41	An 800-year high-resolution black carbon ice core record from Lomonosovfonna, Svalbard. Atmospheric Chemistry and Physics, 2018, 18, 12777-12795.	1.9	34
42	Implementing microscopic charcoal particles into a global aerosolâ€“climate model. Atmospheric Chemistry and Physics, 2018, 18, 11813-11829.	1.9	10
43	Age ranges of the Tibetan ice cores with emphasis on the Chongce ice cores, western Kunlun Mountains. Cryosphere, 2018, 12, 2341-2348.	1.5	36
44	Ice records provide new insights into climatic vulnerability of Central Asian forest and steppe communities. Global and Planetary Change, 2018, 169, 188-201.	1.6	31
45	Ice-core evidence of earliest extensive copper metallurgy in the Andes 2700 years ago. Scientific Reports, 2017, 7, 41855.	1.6	28
46	Modulation of snow reflectance and snowmelt from Central Asian glaciers by anthropogenic black carbon. Scientific Reports, 2017, 7, 40501.	1.6	63
47	A 320 Year Ice-Core Record of Atmospheric Hg Pollution in the Altai, Central Asia. Environmental Science & Technology, 2017, 51, 11597-11606.	4.6	29
48	Legacy organochlorine pollutants in glacial watersheds: a review. Environmental Sciences: Processes and Impacts, 2017, 19, 1474-1483.	1.7	30
49	Ionic and stable isotope chemistry as indicators of water sources to the Upper Mendoza River basin, Central Andes of Argentina. Hydrological Sciences Journal, 2017, 62, 588-605.	1.2	18
50	Climate change threatens archaeologically significant ice patches: insights into their age, internal structure, mass balance and climate sensitivity. Cryosphere, 2017, 11, 17-32.	1.5	24
51	Ground-penetrating radar reveals ice thickness and undisturbed englacial layers at Kilimanjaro's Northern Ice Field. Cryosphere, 2017, 11, 469-482.	1.5	19
52	A synthetic ice core approach to estimate ion relocation in an ice field site experiencing periodical melt: a case study on Lomonosovfonna, Svalbard. Cryosphere, 2016, 10, 961-976.	1.5	9
53	Surface mass balance and water stable isotopes derived from firn cores on three ice rises, Fimbul Ice Shelf, Antarctica. Cryosphere, 2016, 10, 2763-2777.	1.5	18
54	Age of the Mt.ÂOrtles ice cores, the Tyrolean Iceman and glaciation of the highest summit of South Tyrol since the Northern Hemisphere Climatic Optimum. Cryosphere, 2016, 10, 2779-2797.	1.5	43

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55	Radiocarbon dating of glacier ice: overview, optimisation, validation and potential. Cryosphere, 2016, 10, 3091-3105.	1.5	33
56	Abrupt and moderate climate changes in the mid-latitudes of Asia during the Holocene. Journal of Glaciology, 2016, 62, 411-439.	1.1	37
57	A Temperate Alpine Glacier as a Reservoir of Polychlorinated Biphenyls: Model Results of Incorporation, Transport, and Release. Environmental Science & Technology, 2016, 50, 5572-5579.	4.6	20
58	Twentieth-century warming preserved in a Geladaindong mountain ice core, central Tibetan Plateau. Annals of Glaciology, 2016, 57, 70-80.	2.8	8
59	Historic records of organic compounds from a high Alpine glacier: influences of biomass burning, anthropogenic emissions, and dust transport. Atmospheric Chemistry and Physics, 2016, 16, 1029-1043.	1.9	27
60	Release of PCBs from Silvretta glacier (Switzerland) investigated in lake sediments and meltwater. Environmental Science and Pollution Research, 2016, 23, 10308-10316.	2.7	17
61	A continuous ice-core 10 Be record from Mongolian mid-latitudes: Influences of solar variability and local climate. Earth and Planetary Science Letters, 2016, 437, 47-56.	1.8	6
62	Twentieth century dust lows and the weakening of the westerly winds over the Tibetan Plateau. Geophysical Research Letters, 2015, 42, 2434-2441.	1.5	39
63	Vanishing High Mountain Glacial Archives: Challenges and Perspectives. Environmental Science & Technology, 2015, 49, 9499-9500.	4.6	20
64	800-year ice-core record of nitrogen deposition in Svalbard linked to ocean productivity and biogenic emissions. Atmospheric Chemistry and Physics, 2015, 15, 7287-7300.	1.9	17
65	Fossil vs. non-fossil sources of fine carbonaceous aerosols in four Chinese cities during the extreme winter haze episode of 2013. Atmospheric Chemistry and Physics, 2015, 15, 1299-1312.	1.9	163
66	Dramatic loss of glacier accumulation area on the Tibetan Plateau revealed by ice core tritium and mercury records. Cryosphere, 2015, 9, 1213-1222.	1.5	78
67	The impact of Saharan dust and black carbon on albedo and long-term mass balance of an Alpine glacier. Cryosphere, 2015, 9, 1385-1400.	1.5	73
68	Extreme snow metamorphism in the Allan Hills, Antarctica, as an analogue for glacial conditions with implications for stable isotope composition. Journal of Glaciology, 2015, 61, 1171-1182.	1.1	10
69	Polychlorinated Biphenyls in a Temperate Alpine Glacier: 1. Effect of Percolating Meltwater on their Distribution in Glacier Ice. Environmental Science & Technology, 2015, 49, 14085-14091.	4.6	23
70	Polychlorinated Biphenyls in a Temperate Alpine Glacier: 2. Model Results of Chemical Fate Processes. Environmental Science & Technology, 2015, 49, 14092-14100.	4.6	17
71	Pb pollution from leaded gasoline in South America in the context of a 2000-year metallurgical history. Science Advances, 2015, 1, e1400196.	4.7	64
72	Unlocking annual firn layer water equivalents from ground-penetrating radar data on an Alpine glacier. Cryosphere, 2015, 9, 1075-1087.	1.5	20

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73	Optimized method for black carbon analysis in ice and snow using the Single Particle Soot Photometer. Atmospheric Measurement Techniques, 2014, 7, 2667-2681.	1.2	64
74	Temperature and precipitation signal in two Alpine ice cores over the period 1961â€“2001. Climate of the Past, 2014, 10, 1093-1108.	1.3	18
75	Accumulation Studies at a High Elevation Glacier Site in Central Karakoram. Advances in Meteorology, 2014, 2014, 1-12.	0.6	25
76	A new sensitive method for the quantification of glyoxal and methylglyoxal in snow and ice by stir bar sorptive extraction and liquid desorption-HPLC-ESI-MS. Analytical and Bioanalytical Chemistry, 2014, 406, 2525-2532.	1.9	14
77	Polychlorinated Biphenyls in Glaciers. 2. Model Results of Deposition and Incorporation Processes. Environmental Science & Technology, 2014, 48, 7849-7857.	4.6	22
78	Polychlorinated Biphenyls in Glaciers. 1. Deposition History from an Alpine Ice Core. Environmental Science & Technology, 2014, 48, 7842-7848.	4.6	33
79	High secondary aerosol contribution to particulate pollution during haze events in China. Nature, 2014, 514, 218-222.	13.7	3,582
80	Ice-Core Based Assessment of Historical Anthropogenic Heavy Metal (Cd, Cu, Sb, Zn) Emissions in the Soviet Union. Environmental Science & Technology, 2014, 48, 2635-2642.	4.6	57
81	Trace analysis of hydrophobic micropollutants in aqueous samples using capillary traps. Chemosphere, 2014, 106, 51-56.	4.2	10
82	Radiocarbon analysis of elemental and organic carbon in Switzerland during winter-smog episodes from 2008 to 2012 â€“ Part 1: Source apportionment and spatial variability. Atmospheric Chemistry and Physics, 2014, 14, 13551-13570.	1.9	89
83	Seasonal and elevational variations of black carbon and dust in snow and ice in the Solu-Khumbu, Nepal and estimated radiative forcings. Atmospheric Chemistry and Physics, 2014, 14, 8089-8103.	1.9	157
84	A new thermal drilling system for high-altitude or temperate glaciers. Annals of Glaciology, 2014, 55, 131-136.	2.8	14
85	The onset of Neoglaciation 6000 years ago in western Mongolia revealed by an ice core from the Tsambagarav mountain range. Quaternary Science Reviews, 2013, 69, 59-68.	1.4	52
86	Deposition History of Polychlorinated Biphenyls to the Lomonosovfonna Glacier, Svalbard: A 209 Congener Analysis. Environmental Science & Technology, 2013, 47, 12064-12072.	4.6	59
87	Temporal variations of perfluoroalkyl substances and polybrominated diphenyl ethers in alpine snow. Environmental Pollution, 2013, 178, 367-374.	3.7	53
88	Net accumulation rates derived from ice core stable isotope records of PÃo XI glacier, Southern Patagonia Icefield. Cryosphere, 2013, 7, 1635-1644.	1.5	25
89	Biological proxies recorded in a Belukha ice core, Russian Altai. Climate of the Past, 2013, 9, 2399-2411.	1.3	13
90	Microgram-Level Radiocarbon Determination of Carbonaceous Particles in Firn and Ice Samples: Pretreatment and OC/EC Separation. Radiocarbon, 2013, 55, 383-390.	0.8	13

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91	¹⁴C Measurements of Ice Samples from the Juvfonne Ice Tunnel, Jotunheimen, Southern Norwayâ€"Validation of a ¹⁴C Dating Technique for Glacier Ice. Radiocarbon, 2013, 55, 571-578.	0.8	6
92	Simulating the temperature and precipitation signal in an Alpine ice core. Climate of the Past, 2013, 9, 2013-2022.	1.3	8
93	Microgram-Level Radiocarbon Determination of Carbonaceous Particles in Firn and Ice Samples: Pretreatment and OC/EC Separation. Radiocarbon, 2013, 55, .	0.8	2
94	Historical reconstruction of Plutonium contamination in the Swiss-Italian Alps. E3S Web of Conferences, 2013, 1, 14001.	0.2	1
95	14C Measurements of Ice Samples from the Juvfonne Ice Tunnel, Jotunheimen, Southern Norway â€“ Validation of a Radiocarbon Dating Technique for Glacier Ice. Radiocarbon, 2013, 55, .	0.8	3
96	Carbonaceous particles reveal that Late Holocene dust causes the dark region in the western ablation zone of the Greenland ice sheet. Journal of Glaciology, 2012, 58, 787-794.	1.1	33
97	Three Centuries of Eastern European and Altai Lead Emissions Recorded in a Belukha Ice Core. Environmental Science & Technology, 2012, 46, 4323-4330.	4.6	40
98	A multi-proxy approach for revealing recent climatic changes in the Russian Altai. Climate Dynamics, 2012, 38, 175-188.	1.7	49
99	Recent increase in black carbon concentrations from a Mt. Everest ice core spanning 1860-2000 AD. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	186
100	An ice-core based history of Siberian forest fires since AD 1250. Quaternary Science Reviews, 2011, 30, 1027-1034.	1.4	82
101	Ground-based and airborne in-situ measurements of the EyjafjallajÃ¶kull volcanic aerosol plume in Switzerland in spring 2010. Atmospheric Chemistry and Physics, 2011, 11, 10011-10030.	1.9	87
102	Ion fractionation in young sea ice from Kongsfjorden, Svalbard. Annals of Glaciology, 2011, 52, 301-310.	2.8	18
103	Contamination of Alpine snow and ice at Colle Gnifetti, Swiss/Italian Alps, from nuclear weapons tests. Atmospheric Environment, 2011, 45, 587-593.	1.9	56
104	Photoinduced reduction of divalent mercury in ice by organic matter. Chemosphere, 2011, 82, 199-203.	4.2	32
105	Influence of the Tungurahua eruption on the ice core records of Chimborazo, Ecuador. Cryosphere, 2010, 4, 561-568.	1.5	21
106	Thallium as a Tracer for Preindustrial Volcanic Eruptions in an Ice Core Record from Illimani, Bolivia. Environmental Science & Technology, 2010, 44, 888-893.	4.6	32
107	Ammonium concentration in ice cores: A new proxy for regional temperature reconstruction?. Journal of Geophysical Research, 2010, 115, .	3.3	52
108	Post 17th-Century Changes of European PAH Emissions Recorded in High-Altitude Alpine Snow and Ice. Environmental Science & Technology, 2010, 44, 3260-3266.	4.6	68

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109	Quantitative summer temperature reconstruction derived from a combined biogenic Si and chironomid record from varved sediments of Lake Silvaplana (south-eastern Swiss Alps) back to AD 1177. Quaternary Science Reviews, 2010, 29, 2719-2730.	1.4	34
110	Climate variability during the last 1000Âyears inferred from Andean ice cores: A review of methodology and recent results. Palaeogeography, Palaeoclimatology, Palaeoecology, 2009, 281, 229-241.	1.0	88
111	A 750 year ice core record of past biogenic emissions from Siberian boreal forests. Geophysical Research Letters, 2009, 36, .	1.5	45
112	A novel radiocarbon dating technique applied to an ice core from the Alps indicating late Pleistocene ages. Journal of Geophysical Research, 2009, 114, .	3.3	77
113	Mineral dust and elemental black carbon records from an Alpine ice core (Colle Gnifetti glacier) over the last millennium. Journal of Geophysical Research, 2009, 114, .	3.3	69
114	Temperature response in the Altai region lags solar forcing. Geophysical Research Letters, 2009, 36, .	1.5	80
115	Towards radiocarbon dating of ice cores. Journal of Glaciology, 2009, 55, 985-996.	1.1	45
116	³⁶Cl bomb peak: comparison of modeled and measured data. Atmospheric Chemistry and Physics, 2009, 9, 4145-4156.	1.9	25
117	Comparison of techniques for dating of subsurface ice from Monlesi ice cave, Switzerland. Journal of Glaciology, 2007, 53, 374-384.	1.1	44
118	Microgram level radiocarbon (14C) determination on carbonaceous particles in ice. Nuclear Instruments & Methods in Physics Research B, 2007, 259, 518-525.	0.6	47
119	Temporal variations of accumulation and temperature during the past two centuries from Belukha ice core, Siberian Altai. Journal of Geophysical Research, 2006, 111, .	3.3	53
120	Temporal variations of mineral dust, biogenic tracers, and anthropogenic species during the past two centuries from Belukha ice core, Siberian Altai. Journal of Geophysical Research, 2006, 111, .	3.3	56
121	A method to reconstruct past accumulation rates in alpine firn regions: A study on Fiescherhorn, Swiss Alps. Journal of Geophysical Research, 2006, 111, .	3.3	21
122	Estimate of European129I Releases Supported by129I Analysis in an Alpine Ice Core. Environmental Science & Technology, 2006, 40, 5891-5896.	4.6	70
123	Glacier mass balance reconstruction by sublimation induced enrichment of chemical species on Cerro Tapado (Chilean Andes). Climate of the Past, 2006, 2, 21-30.	1.3	53
124	A first shallow firn-core record from Glaciar La Ollada, Cerro Mercedario, central Argentine Andes. Annals of Glaciology, 2006, 43, 14-22.	2.8	15
125	Radiocarbon analysis in an Alpine ice core: record of anthropogenic and biogenic contributions to carbonaceous aerosols in the past (1650â€“1940). Atmospheric Chemistry and Physics, 2006, 6, 5381-5390.	1.9	105
126	The transport history of two Saharan dust events archived in an Alpine ice core. Atmospheric Chemistry and Physics, 2006, 6, 667-688.	1.9	72

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127	A potential high-elevation ice-core site at Hielo PatagÏŒnico Sur. Annals of Glaciology, 2006, 43, 8-13.	2.8	18
128	Inorganic nitrogen storage in alpine snow pack in the Central Alps (Switzerland). Atmospheric Environment, 2005, 39, 2249-2259.	1.9	66
129	ENSO signals of the twentieth century in an ice core from Nevado Illimani, Bolivia. Journal of Geophysical Research, 2005, 110, .	3.3	23
130	Post-17th-Century Changes of European Lead Emissions Recorded in High-Altitude Alpine Snow and Ice. Environmental Science & Technology, 2004, 38, 957-964.	4.6	99
131	Plutonium from Global Fallout Recorded in an Ice Core from the Belukha Glacier, Siberian Altai. Environmental Science & Technology, 2004, 38, 6507-6512.	4.6	61
132	Historical Record of European Emissions of Heavy Metals to the Atmosphere Since the 1650s from Alpine Snow/Ice Cores Drilled near Monte Rosa. Environmental Science & Technology, 2004, 38, 4085-4090.	4.6	130
133	Saharan dust events at the Jungfraujoch: detection by wavelength dependence of the single scattering albedo and first climatology analysis. Atmospheric Chemistry and Physics, 2004, 4, 2465-2480.	1.9	225
134	Source Apportionment of Aerosols by ¹⁴C Measurements in Different Carbonaceous Particle Fractions. Radiocarbon, 2004, 46, 475-484.	0.8	123
135	Reconstruction of European Air Pollution from Alpine Ice Cores. , 2004, , 95-119.		29
136	Title is missing!. Climatic Change, 2003, 59, 157-175.	1.7	25
137	Dating of two nearby ice cores from the Illimani, Bolivia. Journal of Geophysical Research, 2003, 108, .	3.3	39
138	Seasonal variation of water-soluble ions of the aerosol at the high-alpine site Jungfraujoch (3580 m) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	3.3	64
139	Glaciochemical investigation of an ice core from Belukha glacier, Siberian Altai. Geophysical Research Letters, 2003, 30, .	1.5	53
140	Accuracy of Continuous Ice-Core Trace-Element Analysis by Inductively Coupled Plasma Sector Field Mass Spectrometry. Environmental Science & Technology, 2003, 37, 2267-2273.	4.6	39
141	First mercury determination in snow and firn from high-mountain glaciers in the Siberian Altai by CV-ICP-MS. European Physical Journal Special Topics, 2003, 107, 431-434.	0.2	8
142	Glaciers and Climate in the Andes between the Equator and 30Â° S: What is Recorded under Extreme Environmental Conditions?. Advances in Global Change Research, 2003, , 157-175.	1.6	12
143	Potential for climate variability reconstruction from Andean glaciochemical records. Annals of Glaciology, 2002, 35, 443-450.	2.8	28
144	First Results of a Paleoatmospheric Chemistry and Climate Study of Cerro Tapado Glacier, Chile. Series of the Centro De Estudios CientÃficos De Santiago, 2002, , 157-167.	0.2	1

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145	Effects of postdepositional processes on snow composition of a subtropical glacier (Cerro Tapado,) Tj ETQq1 1 0.784314 rgBT /Overlock	3.3	58
146	Meltwater-induced relocation of chemical species in Alpine firn. Tellus, Series B: Chemical and Physical Meteorology, 2001, 53, 192-203.	0.8	48
147	Continuous melting and ion chromatographic analyses of ice cores. Journal of Chromatography A, 2001, 920, 193-200.	1.8	15
148	Sampling and chemical analysis of ice crystals as a function of size. Atmospheric Environment, 2001, 35, 5371-5376.	1.9	5
149	Analysis of size-classified ice crystals by capillary electrophoresis. Journal of Chromatography A, 2000, 871, 391-398.	1.8	10
150	A method to sample and separate ice crystals and supercooled cloud droplets in mixed phased clouds for subsequent chemical analysis. Atmospheric Environment, 2000, 34, 3629-3633.	1.9	11
151	Glaciochemical dating of an ice core from upper Grenzgletscher (4200 m a.s.l.). Journal of Glaciology, 2000, 46, 507-515.	1.1	91
152	Characterization of Size-Fractionated Aerosol from the Jungfraujoch (3580 m asl) Using Total Reflection X-Ray Fluorescence (TXRF). International Journal of Environmental Analytical Chemistry, 2000, 76, 1-16.	1.8	17
153	Influences of vertical transport and scavenging on aerosol particle surface area and radon decay product concentrations at the Jungfraujoch (3454 m above sea level). Journal of Geophysical Research, 2000, 105, 19869-19879.	3.3	45
154	An Alpine ice-core record of anthropogenic HF and HCl emissions. Geophysical Research Letters, 2000, 27, 3225-3228.	1.5	21
155	A high-resolution air chemistry record from an Alpine ice core: Fiescherhorn glacier, Swiss Alps. Journal of Geophysical Research, 1999, 104, 13709-13719.	3.3	77
156	Historical record of carbonaceous particle concentrations from a European high-alpine glacier (Colle Gnifetti, Switzerland). Journal of Geophysical Research, 1999, 104, 21227-21236.	3.3	122
157	Transport of polluted boundary layer air from the Po Valley to high-alpine sites. Atmospheric Environment, 1998, 32, 3953-3965.	1.9	79
158	Scavenging of atmospheric constituents in mixed phase clouds at the high-alpine site jungfraujoch part III. Atmospheric Environment, 1998, 32, 4001-4010.	1.9	20
159	Scavenging of atmospheric constituents in mixed phase clouds at the high-alpine site jungfraujoch part I. Atmospheric Environment, 1998, 32, 3975-3983.	1.9	83
160	Scavenging of atmospheric constituents in mixed phase clouds at the high-alpine site jungfraujochâ€"part II. Influence of riming on the scavenging of particulate and gaseous chemical species. Atmospheric Environment, 1998, 32, 3985-4000.	1.9	19
161	Aerosol transport to the high Alpine sites Jungfraujoch (3454 m asl) and Colle Gnifetti (4452 m asl). Tellus, Series B: Chemical and Physical Meteorology, 1998, 50, 76-92.	0.8	78
162	Aerosol climatology at the high-alpine site Jungfraujoch, Switzerland. Journal of Geophysical Research, 1997, 102, 19707-19715.	3.3	210

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164	Determination of lead concentrations and isotope ratios in recent snow samples from high alpine sites with a double focusing ICP-MS. Fresenius' Journal of Analytical Chemistry, 1997, 359, 382-384.	1.5	34
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