

Stefan Brnnimann

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/2156442/stefan-bronnimann-publications-by-year.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

156
papers

4,601
citations

36
h-index

62
g-index

167
ext. papers

5,619
ext. citations

6
avg, IF

5.74
L-index

#	Paper	IF	Citations
156	A decade of cold Eurasian winters reconstructed for the early 19th century.. <i>Nature Communications</i> , 2022 , 13, 2116	17.4	0
155	Influence of warming and atmospheric circulation changes on multidecadal European flood variability. <i>Climate of the Past</i> , 2022 , 18, 919-933	3.9	0
154	Unlocking weather observations from the Societas Meteorologica Palatina (1781–1792). <i>Climate of the Past</i> , 2021 , 17, 2361-2379	3.9	2
153	An ensemble reconstruction of global monthly sea surface temperature and sea ice concentration 1000-1849. <i>Scientific Data</i> , 2021 , 8, 261	8.2	2
152	Eritrean central-highland precipitation and associations with sea-surface temperature and atmospheric circulation. <i>International Journal of Climatology</i> , 2021 , 41, 5502	3.5	
151	Evaluation and application of a low-cost measurement network to study intra-urban temperature differences during summer 2018 in Bern, Switzerland. <i>Urban Climate</i> , 2021 , 37, 100817	6.8	2
150	Intercomparisons, error assessments, and technical information on historical upper-air measurements. <i>Earth System Science Data</i> , 2021 , 13, 2471-2485	10.5	
149	The unidentified eruption of 1809: a climatic cold case. <i>Climate of the Past</i> , 2021 , 17, 1455-1482	3.9	4
148	Evaluating the robustness of snow climate indicators using a unique set of parallel snow measurement series. <i>International Journal of Climatology</i> , 2021 , 41, E2553	3.5	5
147	Possible Increase of Vegetation Exposure to Spring Frost under Climate Change in Switzerland. <i>Atmosphere</i> , 2020 , 11, 391	2.7	4
146	Statistical reconstruction of daily precipitation and temperature fields in Switzerland back to 1864. <i>Climate of the Past</i> , 2020 , 16, 663-678	3.9	8
145	The EUSTACE Project: Delivering Global, Daily Information on Surface Air Temperature. <i>Bulletin of the American Meteorological Society</i> , 2020 , 101, E1924-E1947	6.1	11
144	Synthetic weather diaries: concept and application to Swiss weather in 1816. <i>Climate of the Past</i> , 2020 , 16, 1937-1952	3.9	0
143	Total column ozone in New Zealand and in the UK in the 1950s. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 14333-14346	6.8	0
142	The importance of input data quality and quantity in climate field reconstructions – results from the assimilation of various tree-ring collections. <i>Climate of the Past</i> , 2020 , 16, 1061-1074	3.9	6
141	Assimilating monthly precipitation data in a paleoclimate data assimilation framework. <i>Climate of the Past</i> , 2020 , 16, 1309-1323	3.9	4
140	Early instrumental meteorological observations in Switzerland: 1708–1873. <i>Earth System Science Data</i> , 2020 , 12, 1179-1190	10.5	6

139	Twinning SENAMHI and MeteoSwiss to co-develop climate services for the agricultural sector in Peru. <i>Climate Services</i> , 2020 , 20, 100195	3.8	2
138	Homogeneity assessment of phenological records from the Swiss Phenology Network. <i>International Journal of Biometeorology</i> , 2020 , 64, 71-81	3.7	4
137	The longest homogeneous series of grape harvest dates, Beaune 1354-2018, and its significance for the understanding of past and present climate. <i>Climate of the Past</i> , 2019 , 15, 1485-1501	3.9	15
136	Early instrumental meteorological measurements in Switzerland. <i>Climate of the Past</i> , 2019 , 15, 1345-1363	3.9	11
135	Causes of increased flood frequency in central Europe in the 19th century. <i>Climate of the Past</i> , 2019 , 15, 1395-1409	3.9	6
134	Impact of different estimations of the background-error covariance matrix on climate reconstructions based on data assimilation. <i>Climate of the Past</i> , 2019 , 15, 1427-1441	3.9	6
133	Unlocking Pre-1850 Instrumental Meteorological Records: A Global Inventory. <i>Bulletin of the American Meteorological Society</i> , 2019 , 100, ES389-ES413	6.1	34
132	A note on air temperature and precipitation variability and extremes over Asmara: 1914-2015. <i>International Journal of Climatology</i> , 2019 , 39, 5215-5227	3.5	9
131	Near-surface mean wind in Switzerland: Climatology, climate model evaluation and future scenarios. <i>International Journal of Climatology</i> , 2019 , 39, 4798-4810	3.5	5
130	Summertime precipitation deficits in the southern Peruvian highlands since 1964. <i>International Journal of Climatology</i> , 2019 , 39, 4497-4513	3.5	9
129	On the extraordinary winter flood episode over the North Atlantic Basin in 1936. <i>Annals of the New York Academy of Sciences</i> , 2019 , 1436, 206-216	6.5	11
128	Decadal variations of blocking and storm tracks in centennial reanalyses. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2019 , 71, 1586-236	2	11
127	Consistent multi-decadal variability in global temperature reconstructions and simulations over the Common Era. <i>Nature Geoscience</i> , 2019 , 12, 643-649	18.3	123
126	Last phase of the Little Ice Age forced by volcanic eruptions. <i>Nature Geoscience</i> , 2019 , 12, 650-656	18.3	41
125	Towards a more reliable historical reanalysis: Improvements for version 3 of the Twentieth Century Reanalysis system. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019 , 145, 2876-2908	6.4	204
124	Disentangling the causes of the 1816 European year without a summer. <i>Environmental Research Letters</i> , 2019 , 14, 094019	6.2	6
123	Causes of climate change over the historical record. <i>Environmental Research Letters</i> , 2019 , 14, 123006	6.2	47
122	The EUSTACE global land station daily air temperature dataset. <i>Geoscience Data Journal</i> , 2019 , 6, 189-204	4.5	3

121	Two types of North American droughts related to different atmospheric circulation patterns. <i>Climate of the Past</i> , 2019 , 15, 2053-2065	3.9	3
120	On the dynamical coupling between atmospheric blocks and heavy precipitation events: A discussion of the southern Alpine flood in October 2000. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2019 , 145, 530-545	6.4	23
119	Climate data empathy. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2019 , 10, e559	8.4	7
118	Reconstruction of Lamb weather type series back to the eighteenth century. <i>Climate Dynamics</i> , 2019 , 52, 6131-6148	4.2	2
117	Impact of global atmospheric reanalyses on statistical precipitation downscaling. <i>Climate Dynamics</i> , 2019 , 52, 5189-5211	4.2	13
116	Historical weather data for climate risk assessment. <i>Annals of the New York Academy of Sciences</i> , 2019 , 1436, 121-137	6.5	10
115	The effect of the Tambora eruption on Swiss flood generation in 1816/1817. <i>Science of the Total Environment</i> , 2018 , 627, 1218-1227	10.2	10
114	Representation of Extratropical Cyclones, Blocking Anticyclones, and Alpine Circulation Types in Multiple Reanalyses and Model Simulations. <i>Journal of Climate</i> , 2018 , 31, 3009-3031	4.4	24
113	Advancing Global and Regional Reanalyses. <i>Bulletin of the American Meteorological Society</i> , 2018 , 99, ES139-ES144	6.1	8
112	Statistical link between external climate forcings and modes of ocean variability. <i>Climate Dynamics</i> , 2018 , 50, 3649-3670	4.2	9
111	Observations for Reanalyses. <i>Bulletin of the American Meteorological Society</i> , 2018 , 99, 1851-1866	6.1	26
110	Polycentric governance in telecoupled resource systems. <i>Ecology and Society</i> , 2018 , 23,	4.1	51
109	Climate from 1800 to 1970 in North America and Europe 2018 , 309-320		2
108	The EU-FP7 ERA-CLIM2 Project Contribution to Advancing Science and Production of Earth System Climate Reanalyses. <i>Bulletin of the American Meteorological Society</i> , 2018 , 99, 1003-1014	6.1	23
107	Use imprint of society and history on climate data to inform climate services. <i>Nature</i> , 2018 , 554, 423	50.4	6
106	Factors affecting the inter-annual to centennial timescale variability of Indian summer monsoon rainfall. <i>Climate Dynamics</i> , 2018 , 50, 4347-4364	4.2	8
105	Changing seasonality of moderate and extreme precipitation events in the Alps. <i>Natural Hazards and Earth System Sciences</i> , 2018 , 18, 2047-2056	3.9	24
104	Reconstruction and simulation of an extreme flood event in the Lago Maggiore catchment in 1868. <i>Natural Hazards and Earth System Sciences</i> , 2018 , 18, 2717-2739	3.9	11

103	A roadmap to climate data rescue services. <i>Geoscience Data Journal</i> , 2018 , 5, 28-39	2.5	29
102	Effects of undetected data quality issues on climatological analyses. <i>Climate of the Past</i> , 2018 , 14, 1-20	3.9	28
101	The early 20th century warming: Anomalies, causes, and consequences. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2018 , 9, e522	8.4	67
100	Microclimatic gradients provide evidence for a glacial refugium for temperate trees in a sheltered hilly landscape of Northern Italy. <i>Journal of Biogeography</i> , 2018 , 45, 2564-2575	4.1	14
99	Tropospheric circulation during the early twentieth century Arctic warming. <i>Climate Dynamics</i> , 2017 , 48, 2405-2418	4.2	20
98	Decadal to multi-decadal scale variability of Indian summer monsoon rainfall in the coupled ocean-atmosphere-chemistry climate model SOCOL-MPIOM. <i>Climate Dynamics</i> , 2017 , 49, 3551-3572	4.2	25
97	Warm Mediterranean mid-Holocene summers inferred from fossil midge assemblages. <i>Nature Geoscience</i> , 2017 , 10, 207-212	18.3	56
96	The influence of station density on climate data homogenization. <i>International Journal of Climatology</i> , 2017 , 37, 4670-4683	3.5	32
95	A monthly global paleo-reanalysis of the atmosphere from 1600 to 2005 for studying past climatic variations. <i>Scientific Data</i> , 2017 , 4, 170076	8.2	39
94	Tropical circulation and precipitation response to ozone depletion and recovery. <i>Environmental Research Letters</i> , 2017 , 12, 064011	6.2	11
93	Identifying, attributing, and overcoming common data quality issues of manned station observations. <i>International Journal of Climatology</i> , 2017 , 37, 4131-4145	3.5	39
92	The potential value of early (1939-1967) upper-air data in atmospheric climate reanalysis. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017 , 143, 1197-1210	6.4	18
91	Regnerischere Sommerseeinseln wegen Ozonloch. <i>Physik in Unserer Zeit</i> , 2017 , 48, 215-216	0.1	
90	Influence of solar variability on the occurrence of central European weather types from 1763 to 2009. <i>Climate of the Past</i> , 2017 , 13, 1199-1212	3.9	12
89	Simulating crop yield losses in Switzerland for historical and present Tambora climate scenarios. <i>Environmental Research Letters</i> , 2017 , 12, 074026	6.2	9
88	Reconstruction of Central European daily weather types back to 1763. <i>International Journal of Climatology</i> , 2017 , 37, 30-44	3.5	19
87	Toward an Integrated Set of Surface Meteorological Observations for Climate Science and Applications. <i>Bulletin of the American Meteorological Society</i> , 2017 , 98, 2689-2702	6.1	55
86	Eurasian snow depth in long-term climate reanalyses. <i>Cryosphere</i> , 2017 , 11, 923-935	5.5	22

85	Multidecadal variations of the effects of the Quasi-Biennial Oscillation on the climate system. <i>Atmospheric Chemistry and Physics</i> , 2016 , 16, 15529-15543	6.8	8
84	Evaluation of downscaled wind speeds and parameterised gusts for recent and historical windstorms in Switzerland. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2016 , 68, 31820	2	20
83	Trends in mean and extreme precipitation in the Mount Kenya region from observations and reanalyses. <i>International Journal of Climatology</i> , 2016 , 36, 1500-1514	3.5	28
82	The 1430s: a cold period of extraordinary internal climate variability during the early Späer Minimum with social and economic impacts in north-western and central Europe. <i>Climate of the Past</i> , 2016 , 12, 2107-2126	3.9	50
81	Modelling economic losses of historic and present-day high-impact winter windstorms in Switzerland. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2016 , 68, 29546	2	16
80	Summer heat waves in southeastern Patagonia: an analysis of the intraseasonal timescale. <i>International Journal of Climatology</i> , 2016 , 36, 1359-1374	3.5	11
79	Trends of mean and extreme temperature indices since 1874 at low-elevation sites in the southern Alps. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 3304-3325	4.4	7
78	Tambora 1815 as a test case for high impact volcanic eruptions: Earth system effects. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2016 , 7, 569-589	8.4	74
77	Tree-Ring Amplification of the Early Nineteenth-Century Summer Cooling in Central Europea. <i>Journal of Climate</i> , 2015 , 28, 5272-5288	4.4	27
76	Climatic Changes Since 1700. <i>Advances in Global Change Research</i> , 2015 ,	1.2	29
75	The Basis: Past Climate Observations and Methods. <i>Advances in Global Change Research</i> , 2015 , 9-69	1.2	
74	The Machinery: Mechanisms Behind Climatic Changes. <i>Advances in Global Change Research</i> , 2015 , 71-166	1.2	1
73	Climatic Changes Since 1700. <i>Advances in Global Change Research</i> , 2015 , 167-321	1.2	8
72	Southward shift of the northern tropical belt from 1945 to 1980. <i>Nature Geoscience</i> , 2015 , 8, 969-974	18.3	29
71	Evidence for a modulation of the intraseasonal summer temperature in Eastern Patagonia by the Madden-Julian Oscillation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 7340-7357	4.4	10
70	Dynamical Downscaling and Loss Modeling for the Reconstruction of Historical Weather Extremes and Their Impacts: A Severe Foehn Storm in 1925. <i>Bulletin of the American Meteorological Society</i> , 2015 , 96, 1233-1241	6.1	16
69	Upper-air observations from the German Atlantic Expedition (1925-27) and comparison with the Twentieth Century and ERA-20C reanalyses. <i>Meteorologische Zeitschrift</i> , 2015 , 24, 525-544	3.1	7
68	A collection of sub-daily pressure and temperature observations for the early instrumental period with a focus on the 'year without a summer' 1816. <i>Climate of the Past</i> , 2015 , 11, 1027-1047	3.9	23

67	Colloidal meteorological processes in the formation of precipitation. <i>Meteorologische Zeitschrift</i> , 2015 , 24, 443-454	3.1	18
66	Arctic moisture source for Eurasian snow cover variations in autumn. <i>Environmental Research Letters</i> , 2015 , 10, 054015	6.2	59
65	Impact of solar versus volcanic activity variations on tropospheric temperatures and precipitation during the Dalton Minimum. <i>Climate of the Past</i> , 2014 , 10, 921-938	3.9	37
64	Volcanic forcing for climate modeling: a new microphysics-based data set covering years 1600–present. <i>Climate of the Past</i> , 2014 , 10, 359-375	3.9	53
63	Forward modelling of tree-ring width and comparison with a global network of tree-ring chronologies. <i>Climate of the Past</i> , 2014 , 10, 437-449	3.9	58
62	Temperature and precipitation signal in two Alpine ice cores over the period 1961–2001. <i>Climate of the Past</i> , 2014 , 10, 1093-1108	3.9	14
61	The coupled atmosphere–chemistry–ocean model SOCOL-MPIOM. <i>Geoscientific Model Development</i> , 2014 , 7, 2157-2179	6.3	28
60	A catalog of high-impact windstorms in Switzerland since 1859. <i>Natural Hazards and Earth System Sciences</i> , 2014 , 14, 2867-2882	3.9	24
59	Climate change in Switzerland: a review of physical, institutional, and political aspects. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2014 , 5, 461-481	8.4	13
58	ERA-CLIM: Historical Surface and Upper-Air Data for Future Reanalyses. <i>Bulletin of the American Meteorological Society</i> , 2014 , 95, 1419-1430	6.1	70
57	Volcanic Influence on European Summer Precipitation through Monsoons: Possible Cause for “Years without Summer”. <i>Journal of Climate</i> , 2014 , 27, 3683-3691	4.4	57
56	Die Wetter-Zeitmaschine. <i>Physik in Unserer Zeit</i> , 2014 , 45, 84-89	0.1	2
55	Summer temperature in the eastern part of southern South America: its variability in the twentieth century and a teleconnection with Oceania. <i>Climate Dynamics</i> , 2014 , 43, 2111-2130	4.2	9
54	A global radiosonde and tracked balloon archive on 16 pressure levels (GRASP) back to 1905 [Part 1: Merging and interpolation to 00:00 and 12:00 GMT. <i>Earth System Science Data</i> , 2014 , 6, 185-200	10.5	12
53	A framework for benchmarking of homogenisation algorithm performance on the global scale. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , 2014 , 3, 187-200	1.5	25
52	Impact of a potential 21st century “grand solar minimum” on surface temperatures and stratospheric ozone. <i>Geophysical Research Letters</i> , 2013 , 40, 4420-4425	4.9	33
51	Spectral biases in tree-ring climate proxies. <i>Nature Climate Change</i> , 2013 , 3, 360-364	21.4	104
50	Modeling the stratospheric warming following the Mt. Pinatubo eruption: uncertainties in aerosol extinctions. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 11221-11234	6.8	59

49	Influence of the sunspot cycle on the Northern Hemisphere wintertime circulation from long upper-air data sets. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 6275-6288	6.8	26
48	Climate and chemistry effects of a regional scale nuclear conflict. <i>Atmospheric Chemistry and Physics</i> , 2013 , 13, 9713-9729	6.8	19
47	Impact of volcanic stratospheric aerosols on diurnal temperature range in Europe over the past 200 years: Observations versus model simulations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 9064-9077	4.4	7
46	Aerological observations in the Tropics in the Early Twentieth Century. <i>Meteorologische Zeitschrift</i> , 2013 , 22, 349-358	3.1	10
45	Transient state estimation in paleoclimatology using data assimilation. <i>PAGES News</i> , 2013 , 21, 74-75		6
44	A gridded monthly upper-air data set from 1918 to 1957. <i>Climate Dynamics</i> , 2012 , 38, 475-493	4.2	8
43	Solar and volcanic fingerprints in tree-ring chronologies over the past 2000 years. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012 , 313-314, 127-139	2.9	34
42	Extreme climate, not extreme weather: the summer of 1816 in Geneva, Switzerland. <i>Climate of the Past</i> , 2012 , 8, 325-335	3.9	32
41	A multi-data set comparison of the vertical structure of temperature variability and change over the Arctic during the past 100 years. <i>Climate Dynamics</i> , 2012 , 39, 1577-1598	4.2	27
40	Ozone highs and associated flow features in the first half of the twentieth century in different data sets. <i>Meteorologische Zeitschrift</i> , 2012 , 21, 49-59	3.1	8
39	Weather patterns and hydro-climatological precursors of extreme floods in Switzerland since 1868. <i>Meteorologische Zeitschrift</i> , 2012 , 21, 531-550	3.1	53
38	An ensemble-based approach to climate reconstructions. <i>Climate of the Past</i> , 2012 , 8, 963-976	3.9	71
37	Perceiving, explaining, and observing climatic changes: An historical case study of the "year without a summer" 1816. <i>Meteorologische Zeitschrift</i> , 2011 , 20, 577-587	3.1	15
36	The thermal zones of the Earth according to the duration of hot, moderate and cold periods and to the impact of heat on the organic world. <i>Meteorologische Zeitschrift</i> , 2011 , 20, 351-360	3.1	179
35	The International Atmospheric Circulation Reconstructions over the Earth (ACRE) Initiative. <i>Bulletin of the American Meteorological Society</i> , 2011 , 92, 1421-1425	6.1	117
34	The Comprehensive Historical Upper-Air Network. <i>Bulletin of the American Meteorological Society</i> , 2010 , 91, 741-752	6.1	60
33	Reconstruction of Global Monthly Upper-Level Temperature and Geopotential Height Fields Back to 1880. <i>Journal of Climate</i> , 2010 , 23, 5590-5609	4.4	17
32	A reconstructed dynamic Indian monsoon index extended back to 1880. <i>Climate Dynamics</i> , 2010 , 34, 573-585	4.5	18

31	A New Look at Radiosonde Data prior to 1958. <i>Journal of Climate</i> , 2009 , 22, 3232-3247	4.4	18
30	The CLIVAR C20C project: selected twentieth century climate events. <i>Climate Dynamics</i> , 2009 , 33, 603-614	4.2	93
29	The CLIVAR C20C project: which components of the Asian-Australian monsoon circulation variations are forced and reproducible?. <i>Climate Dynamics</i> , 2009 , 33, 1051-1068	4.2	101
28	Early twentieth-century warming. <i>Nature Geoscience</i> , 2009 , 2, 735-736	18.3	43
27	Variability of large-scale atmospheric circulation indices for the northern hemisphere during the past 100 years. <i>Meteorologische Zeitschrift</i> , 2009 , 18, 379-396	3.1	27
26	Biomass burning aerosols and climate a 19th century perspective. <i>Meteorologische Zeitschrift</i> , 2009 , 18, 349-353	3.1	4
25	Variability of the global atmospheric circulation during the past 100 years. <i>Meteorologische Zeitschrift</i> , 2009 , 18, 365-368	3.1	
24	The early twentieth century warm period in the European Arctic. <i>Meteorologische Zeitschrift</i> , 2009 , 18, 425-432	3.1	26
23	Recent Arctic warming vertical structure contested. <i>Nature</i> , 2008 , 455, E2-3; discussion E4-5	50.4	36
22	The Rising Pulse of the Atmosphere: Variability of the Global Atmospheric Circulation During the Past 100 Years; Monte Verit, Switzerland, 15-20 June 2008. <i>Eos</i> , 2008 , 89, 516-516	1.5	
21	A Monthly Upper-Air Dataset for North America Back to 1922 from the Monthly Weather Review. <i>Monthly Weather Review</i> , 2008 , 136, 1792-1805	2.4	23
20	An Extended Pacific-North American Index from Upper-Air Historical Data Back to 1922. <i>Journal of Climate</i> , 2008 , 21, 1295-1308	4.4	20
19	Defant's work on North Atlantic climate variability revisited. <i>Meteorologische Zeitschrift</i> , 2008 , 17, 93-102	3.1	2
18	Reconstructing the quasi-biennial oscillation back to the early 1900s. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	43
17	Fires and climate linked in nineteenth century. <i>Nature</i> , 2007 , 448, 992	50.4	
16	Chapter 1 Mediterranean climate variability over the last centuries: A review. <i>Developments in Earth and Environmental Sciences</i> , 2006 , 4, 27-148		87
15	Sunspots, the QBO and the stratosphere in the North Polar Region 20 years later. <i>Meteorologische Zeitschrift</i> , 2006 , 15, 355-363	3.1	79
14	The global climate anomaly 1940-1942. <i>Weather</i> , 2005 , 60, 336-342	0.9	12

13	Extreme climate of the global troposphere and stratosphere in 1940-42 related to El Niño. <i>Nature</i> , 2004 , 431, 971-4	50.4	151
12	A historical upper air-data set for the 1939-44 period. <i>International Journal of Climatology</i> , 2003 , 23, 769-791	3.5	35
11	The History of Scientific Research on the North Atlantic Oscillation. <i>Geophysical Monograph Series</i> , 2003 , 37-50	1.1	26
10	Trends in near-surface ozone concentrations in Switzerland: the 1990s. <i>Atmospheric Environment</i> , 2002 , 36, 2841-2852	5.3	71
9	North Atlantic Oscillation [Concepts And Studies. <i>Surveys in Geophysics</i> , 2001 , 22, 321-381	7.6	467
8	Eduard Brückner [The Sources and Consequences of Climate Change and Climate Variability in Historical Times. <i>Eos</i> , 2001 , 82, 104-104	1.5	
7	Variability of total ozone at Arosa, Switzerland, since 1931 related to atmospheric circulation indices. <i>Geophysical Research Letters</i> , 2000 , 27, 2213-2216	4.9	29
6	The influence of changing UVB radiation in near-surface ozone time series. <i>Journal of Geophysical Research</i> , 2000 , 105, 8901-8913		8
5	A Possible Photochemical Link Between Stratospheric and Near-Surface Ozone on Swiss Mountain Sites in Late Winter. <i>Journal of Atmospheric Chemistry</i> , 1998 , 31, 299-319	3.2	11
4	Weekend-weekday differences of near-surface ozone concentrations in Switzerland for different meteorological conditions. <i>Atmospheric Environment</i> , 1997 , 31, 1127-1135	5.3	69
3	The 1816 [Year without a summer] in an atmospheric reanalysis		7
2	Causes for increased flood frequency in central Europe in the 19th century		2
1	An updated global atmospheric paleo-reanalysis covering the last 400 years. <i>Geoscience Data Journal</i> ,	2.5	5