

# Stefan Brnnimann

## List of Publications by Citations

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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	North Atlantic Oscillation [Concepts And Studies. <i>Surveys in Geophysics</i> , <b>2001</b> , 22, 321-381	7.6	467
155	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> , <b>2019</b> , 145, 2876-2908	6.4	204
154	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> , <b>2011</b> , 20, 351-360	3.1	179
153	Extreme climate of the global troposphere and stratosphere in 1940-42 related to El Niño. <i>Nature</i> , <b>2004</b> , 431, 971-4	50.4	151
152	Consistent multi-decadal variability in global temperature reconstructions and simulations over the Common Era. <i>Nature Geoscience</i> , <b>2019</b> , 12, 643-649	18.3	123
151	The International Atmospheric Circulation Reconstructions over the Earth (ACRE) Initiative. <i>Bulletin of the American Meteorological Society</i> , <b>2011</b> , 92, 1421-1425	6.1	117
150	Spectral biases in tree-ring climate proxies. <i>Nature Climate Change</i> , <b>2013</b> , 3, 360-364	21.4	104
149	The CLIVAR C20C project: which components of the Asian-Australian monsoon circulation variations are forced and reproducible?. <i>Climate Dynamics</i> , <b>2009</b> , 33, 1051-1068	4.2	101
148	The CLIVAR C20C project: selected twentieth century climate events. <i>Climate Dynamics</i> , <b>2009</b> , 33, 603-614	4.2	93
147	Chapter 1 Mediterranean climate variability over the last centuries: A review. <i>Developments in Earth and Environmental Sciences</i> , <b>2006</b> , 4, 27-148		87
146	Sunspots, the QBO and the stratosphere in the North Polar Region 20 years later. <i>Meteorologische Zeitschrift</i> , <b>2006</b> , 15, 355-363	3.1	79
145	Tambora 1815 as a test case for high impact volcanic eruptions: Earth system effects. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , <b>2016</b> , 7, 569-589	8.4	74
144	Trends in near-surface ozone concentrations in Switzerland: the 1990s. <i>Atmospheric Environment</i> , <b>2002</b> , 36, 2841-2852	5.3	71
143	An ensemble-based approach to climate reconstructions. <i>Climate of the Past</i> , <b>2012</b> , 8, 963-976	3.9	71
142	ERA-CLIM: Historical Surface and Upper-Air Data for Future Reanalyses. <i>Bulletin of the American Meteorological Society</i> , <b>2014</b> , 95, 1419-1430	6.1	70
141	Weekend-weekday differences of near-surface ozone concentrations in Switzerland for different meteorological conditions. <i>Atmospheric Environment</i> , <b>1997</b> , 31, 1127-1135	5.3	69
140	The early 20th century warming: Anomalies, causes, and consequences. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , <b>2018</b> , 9, e522	8.4	67

139	The Comprehensive Historical Upper-Air Network. <i>Bulletin of the American Meteorological Society</i> , <b>2010</b> , 91, 741-752	6.1	60
138	Arctic moisture source for Eurasian snow cover variations in autumn. <i>Environmental Research Letters</i> , <b>2015</b> , 10, 054015	6.2	59
137	Modeling the stratospheric warming following the Mt. Pinatubo eruption: uncertainties in aerosol extinctions. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 11221-11234	6.8	59
136	Forward modelling of tree-ring width and comparison with a global network of tree-ring chronologies. <i>Climate of the Past</i> , <b>2014</b> , 10, 437-449	3.9	58
135	Volcanic Influence on European Summer Precipitation through Monsoons: Possible Cause for Years without Summer. <i>Journal of Climate</i> , <b>2014</b> , 27, 3683-3691	4.4	57
134	Warm Mediterranean mid-Holocene summers inferred from fossil midge assemblages. <i>Nature Geoscience</i> , <b>2017</b> , 10, 207-212	18.3	56
133	Toward an Integrated Set of Surface Meteorological Observations for Climate Science and Applications. <i>Bulletin of the American Meteorological Society</i> , <b>2017</b> , 98, 2689-2702	6.1	55
132	Volcanic forcing for climate modeling: a new microphysics-based data set covering years 1600-present. <i>Climate of the Past</i> , <b>2014</b> , 10, 359-375	3.9	53
131	Weather patterns and hydro-climatological precursors of extreme floods in Switzerland since 1868. <i>Meteorologische Zeitschrift</i> , <b>2012</b> , 21, 531-550	3.1	53
130	Polycentric governance in telecoupled resource systems. <i>Ecology and Society</i> , <b>2018</b> , 23,	4.1	51
129	The 1430s: a cold period of extraordinary internal climate variability during the early Sp̄er Minimum with social and economic impacts in north-western and central Europe. <i>Climate of the Past</i> , <b>2016</b> , 12, 2107-2126	3.9	50
128	Causes of climate change over the historical record. <i>Environmental Research Letters</i> , <b>2019</b> , 14, 123006	6.2	47
127	Early twentieth-century warming. <i>Nature Geoscience</i> , <b>2009</b> , 2, 735-736	18.3	43
126	Reconstructing the quasi-biennial oscillation back to the early 1900s. <i>Geophysical Research Letters</i> , <b>2007</b> , 34,	4.9	43
125	Last phase of the Little Ice Age forced by volcanic eruptions. <i>Nature Geoscience</i> , <b>2019</b> , 12, 650-656	18.3	41
124	A monthly global paleo-reanalysis of the atmosphere from 1600 to 2005 for studying past climatic variations. <i>Scientific Data</i> , <b>2017</b> , 4, 170076	8.2	39
123	Identifying, attributing, and overcoming common data quality issues of manned station observations. <i>International Journal of Climatology</i> , <b>2017</b> , 37, 4131-4145	3.5	39
122	Impact of solar versus volcanic activity variations on tropospheric temperatures and precipitation during the Dalton Minimum. <i>Climate of the Past</i> , <b>2014</b> , 10, 921-938	3.9	37

121	Recent Arctic warming vertical structure contested. <i>Nature</i> , <b>2008</b> , 455, E2-3; discussion E4-5	50.4	36
120	A historical upper air-data set for the 1939–44 period. <i>International Journal of Climatology</i> , <b>2003</b> , 23, 769-791	3.5	35
119	Unlocking Pre-1850 Instrumental Meteorological Records: A Global Inventory. <i>Bulletin of the American Meteorological Society</i> , <b>2019</b> , 100, ES389-ES413	6.1	34
118	Solar and volcanic fingerprints in tree-ring chronologies over the past 2000 years. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2012</b> , 313-314, 127-139	2.9	34
117	Impact of a potential 21st century Grand solar minimum on surface temperatures and stratospheric ozone. <i>Geophysical Research Letters</i> , <b>2013</b> , 40, 4420-4425	4.9	33
116	The influence of station density on climate data homogenization. <i>International Journal of Climatology</i> , <b>2017</b> , 37, 4670-4683	3.5	32
115	Extreme climate, not extreme weather: the summer of 1816 in Geneva, Switzerland. <i>Climate of the Past</i> , <b>2012</b> , 8, 325-335	3.9	32
114	Climatic Changes Since 1700. <i>Advances in Global Change Research</i> , <b>2015</b> ,	1.2	29
113	Southward shift of the northern tropical belt from 1945 to 1980. <i>Nature Geoscience</i> , <b>2015</b> , 8, 969-974	18.3	29
112	Variability of total ozone at Arosa, Switzerland, since 1931 related to atmospheric circulation indices. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 2213-2216	4.9	29
111	A roadmap to climate data rescue services. <i>Geoscience Data Journal</i> , <b>2018</b> , 5, 28-39	2.5	29
110	Trends in mean and extreme precipitation in the Mount Kenya region from observations and reanalyses. <i>International Journal of Climatology</i> , <b>2016</b> , 36, 1500-1514	3.5	28
109	The coupled atmosphere–chemistry–ocean model SOCOL-MPIOM. <i>Geoscientific Model Development</i> , <b>2014</b> , 7, 2157-2179	6.3	28
108	Effects of undetected data quality issues on climatological analyses. <i>Climate of the Past</i> , <b>2018</b> , 14, 1-20	3.9	28
107	Tree-Ring Amplification of the Early Nineteenth-Century Summer Cooling in Central Europe. <i>Journal of Climate</i> , <b>2015</b> , 28, 5272-5288	4.4	27
106	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> , <b>2012</b> , 39, 1577-1598	4.2	27
105	Variability of large-scale atmospheric circulation indices for the northern hemisphere during the past 100 years. <i>Meteorologische Zeitschrift</i> , <b>2009</b> , 18, 379-396	3.1	27
104	Observations for Reanalyses. <i>Bulletin of the American Meteorological Society</i> , <b>2018</b> , 99, 1851-1866	6.1	26

103	Influence of the sunspot cycle on the Northern Hemisphere wintertime circulation from long upper-air data sets. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 6275-6288	6.8	26
102	The early twentieth century warm period in the European Arctic. <i>Meteorologische Zeitschrift</i> , <b>2009</b> , 18, 425-432	3.1	26
101	The History of Scientific Research on the North Atlantic Oscillation. <i>Geophysical Monograph Series</i> , <b>2003</b> , 37-50	1.1	26
100	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> , <b>2017</b> , 49, 3551-3572	4.2	25
99	A framework for benchmarking of homogenisation algorithm performance on the global scale. <i>Geoscientific Instrumentation, Methods and Data Systems</i> , <b>2014</b> , 3, 187-200	1.5	25
98	Representation of Extratropical Cyclones, Blocking Anticyclones, and Alpine Circulation Types in Multiple Reanalyses and Model Simulations. <i>Journal of Climate</i> , <b>2018</b> , 31, 3009-3031	4.4	24
97	A catalog of high-impact windstorms in Switzerland since 1859. <i>Natural Hazards and Earth System Sciences</i> , <b>2014</b> , 14, 2867-2882	3.9	24
96	Changing seasonality of moderate and extreme precipitation events in the Alps. <i>Natural Hazards and Earth System Sciences</i> , <b>2018</b> , 18, 2047-2056	3.9	24
95	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> , <b>2018</b> , 99, 1003-1014	6.1	23
94	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> , <b>2015</b> , 11, 1027-1047	3.9	23
93	A Monthly Upper-Air Dataset for North America Back to 1922 from the Monthly Weather Review. <i>Monthly Weather Review</i> , <b>2008</b> , 136, 1792-1805	2.4	23
92	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> , <b>2019</b> , 145, 530-545	6.4	23
91	Eurasian snow depth in long-term climate reanalyses. <i>Cryosphere</i> , <b>2017</b> , 11, 923-935	5.5	22
90	Tropospheric circulation during the early twentieth century Arctic warming. <i>Climate Dynamics</i> , <b>2017</b> , 48, 2405-2418	4.2	20
89	Evaluation of downscaled wind speeds and parameterised gusts for recent and historical windstorms in Switzerland. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , <b>2016</b> , 68, 31820	2	20
88	An Extended Pacific-North American Index from Upper-Air Historical Data Back to 1922. <i>Journal of Climate</i> , <b>2008</b> , 21, 1295-1308	4.4	20
87	Reconstruction of Central European daily weather types back to 1763. <i>International Journal of Climatology</i> , <b>2017</b> , 37, 30-44	3.5	19
86	Climate and chemistry effects of a regional scale nuclear conflict. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 9713-9729	6.8	19

85	The potential value of early (1939–1967) upper-air data in atmospheric climate reanalysis. <i>Quarterly Journal of the Royal Meteorological Society</i> , <b>2017</b> , 143, 1197-1210	6.4	18
84	Colloidal meteorological processes in the formation of precipitation. <i>Meteorologische Zeitschrift</i> , <b>2015</b> , 24, 443-454	3.1	18
83	A New Look at Radiosonde Data prior to 1958. <i>Journal of Climate</i> , <b>2009</b> , 22, 3232-3247	4.4	18
82	A reconstructed dynamic Indian monsoon index extended back to 1880. <i>Climate Dynamics</i> , <b>2010</b> , 34, 573-585	4.5	18
81	Reconstruction of Global Monthly Upper-Level Temperature and Geopotential Height Fields Back to 1880. <i>Journal of Climate</i> , <b>2010</b> , 23, 5590-5609	4.4	17
80	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> , <b>2015</b> , 96, 1233-1241	6.1	16
79	Modelling economic losses of historic and present-day high-impact winter windstorms in Switzerland. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , <b>2016</b> , 68, 295-46	2	16
78	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> , <b>2019</b> , 15, 1485-1501	3.9	15
77	Perceiving, explaining, and observing climatic changes: An historical case study of the "year without a summer" 1816. <i>Meteorologische Zeitschrift</i> , <b>2011</b> , 20, 577-587	3.1	15
76	Temperature and precipitation signal in two Alpine ice cores over the period 1961–2001. <i>Climate of the Past</i> , <b>2014</b> , 10, 1093-1108	3.9	14
75	Microclimatic gradients provide evidence for a glacial refugium for temperate trees in a sheltered hilly landscape of Northern Italy. <i>Journal of Biogeography</i> , <b>2018</b> , 45, 2564-2575	4.1	14
74	Climate change in Switzerland: a review of physical, institutional, and political aspects. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , <b>2014</b> , 5, 461-481	8.4	13
73	Impact of global atmospheric reanalyses on statistical precipitation downscaling. <i>Climate Dynamics</i> , <b>2019</b> , 52, 5189-5211	4.2	13
72	Influence of solar variability on the occurrence of central European weather types from 1763 to 2009. <i>Climate of the Past</i> , <b>2017</b> , 13, 1199-1212	3.9	12
71	The global climate anomaly 1940–1942. <i>Weather</i> , <b>2005</b> , 60, 336-342	0.9	12
70	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> , <b>2014</b> , 6, 185-200	10.5	12
69	Tropical circulation and precipitation response to ozone depletion and recovery. <i>Environmental Research Letters</i> , <b>2017</b> , 12, 064011	6.2	11
68	Early instrumental meteorological measurements in Switzerland. <i>Climate of the Past</i> , <b>2019</b> , 15, 1345-1363	3.9	11

67	On the extraordinary winter flood episode over the North Atlantic Basin in 1936. <i>Annals of the New York Academy of Sciences</i> , <b>2019</b> , 1436, 206-216	6.5	11
66	Decadal variations of blocking and storm tracks in centennial reanalyses. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , <b>2019</b> , 71, 1586236	2	11
65	A Possible Photochemical Link Between Stratospheric and Near-Surface Ozone on Swiss Mountain Sites in Late Winter. <i>Journal of Atmospheric Chemistry</i> , <b>1998</b> , 31, 299-319	3.2	11
64	The EUSTACE Project: Delivering Global, Daily Information on Surface Air Temperature. <i>Bulletin of the American Meteorological Society</i> , <b>2020</b> , 101, E1924-E1947	6.1	11
63	Summer heat waves in southeastern Patagonia: an analysis of the intraseasonal timescale. <i>International Journal of Climatology</i> , <b>2016</b> , 36, 1359-1374	3.5	11
62	Reconstruction and simulation of an extreme flood event in the Lago Maggiore catchment in 1868. <i>Natural Hazards and Earth System Sciences</i> , <b>2018</b> , 18, 2717-2739	3.9	11
61	The effect of the Tambora eruption on Swiss flood generation in 1816/1817. <i>Science of the Total Environment</i> , <b>2018</b> , 627, 1218-1227	10.2	10
60	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> , <b>2015</b> , 120, 7340-7357	4.4	10
59	Aerological observations in the Tropics in the Early Twentieth Century. <i>Meteorologische Zeitschrift</i> , <b>2013</b> , 22, 349-358	3.1	10
58	Historical weather data for climate risk assessment. <i>Annals of the New York Academy of Sciences</i> , <b>2019</b> , 1436, 121-137	6.5	10
57	A note on air temperature and precipitation variability and extremes over Asmara: 1914-2015. <i>International Journal of Climatology</i> , <b>2019</b> , 39, 5215-5227	3.5	9
56	Summertime precipitation deficits in the southern Peruvian highlands since 1964. <i>International Journal of Climatology</i> , <b>2019</b> , 39, 4497-4513	3.5	9
55	Statistical link between external climate forcings and modes of ocean variability. <i>Climate Dynamics</i> , <b>2018</b> , 50, 3649-3670	4.2	9
54	Simulating crop yield losses in Switzerland for historical and present Tambora climate scenarios. <i>Environmental Research Letters</i> , <b>2017</b> , 12, 074026	6.2	9
53	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> , <b>2014</b> , 43, 2111-2130	4.2	9
52	Climatic Changes Since 1700. <i>Advances in Global Change Research</i> , <b>2015</b> , 167-321	1.2	8
51	Statistical reconstruction of daily precipitation and temperature fields in Switzerland back to 1864. <i>Climate of the Past</i> , <b>2020</b> , 16, 663-678	3.9	8
50	Advancing Global and Regional Reanalyses. <i>Bulletin of the American Meteorological Society</i> , <b>2018</b> , 99, ES139-ES144	6.1	8



49	Multidecadal variations of the effects of the Quasi-Biennial Oscillation on the climate system. <i>Atmospheric Chemistry and Physics</i> , <b>2016</b> , 16, 15529-15543	6.8	8
48	A gridded monthly upper-air data set from 1918 to 1957. <i>Climate Dynamics</i> , <b>2012</b> , 38, 475-493	4.2	8
47	Ozone highs and associated flow features in the first half of the twentieth century in different data sets. <i>Meteorologische Zeitschrift</i> , <b>2012</b> , 21, 49-59	3.1	8
46	The influence of changing UVB radiation in near-surface ozone time series. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 8901-8913		8
45	Factors affecting the inter-annual to centennial timescale variability of Indian summer monsoon rainfall. <i>Climate Dynamics</i> , <b>2018</b> , 50, 4347-4364	4.2	8
44	Upper-air observations from the German Atlantic Expedition (1925-27) and comparison with the Twentieth Century and ERA-20C reanalyses. <i>Meteorologische Zeitschrift</i> , <b>2015</b> , 24, 525-544	3.1	7
43	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> , <b>2013</b> , 118, 9064-9077	4.4	7
42	The 1816 year without a summer in an atmospheric reanalysis		7
41	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> , <b>2016</b> , 121, 3304-3325	4.4	7
40	Climate data empathy. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , <b>2019</b> , 10, e559	8.4	7
39	Causes of increased flood frequency in central Europe in the 19th century. <i>Climate of the Past</i> , <b>2019</b> , 15, 1395-1409	3.9	6
38	Impact of different estimations of the background-error covariance matrix on climate reconstructions based on data assimilation. <i>Climate of the Past</i> , <b>2019</b> , 15, 1427-1441	3.9	6
37	Disentangling the causes of the 1816 European year without a summer. <i>Environmental Research Letters</i> , <b>2019</b> , 14, 094019	6.2	6
36	Transient state estimation in paleoclimatology using data assimilation. <i>PAGES News</i> , <b>2013</b> , 21, 74-75		6
35	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> , <b>2020</b> , 16, 1061-1074	3.9	6
34	Early instrumental meteorological observations in Switzerland: 1708-1873. <i>Earth System Science Data</i> , <b>2020</b> , 12, 1179-1190	10.5	6
33	Use imprint of society and history on climate data to inform climate services. <i>Nature</i> , <b>2018</b> , 554, 423	50.4	6
32	Near-surface mean wind in Switzerland: Climatology, climate model evaluation and future scenarios. <i>International Journal of Climatology</i> , <b>2019</b> , 39, 4798-4810	3.5	5



31	An updated global atmospheric paleo-reanalysis covering the last 400 years. <i>Geoscience Data Journal</i> ,	2.5	5
30	Evaluating the robustness of snow climate indicators using a unique set of parallel snow measurement series. <i>International Journal of Climatology</i> , <b>2021</b> , 41, E2553	3.5	5
29	Possible Increase of Vegetation Exposure to Spring Frost under Climate Change in Switzerland. <i>Atmosphere</i> , <b>2020</b> , 11, 391	2.7	4
28	Biomass burning aerosols and climate a 19th century perspective. <i>Meteorologische Zeitschrift</i> , <b>2009</b> , 18, 349-353	3.1	4
27	Assimilating monthly precipitation data in a paleoclimate data assimilation framework. <i>Climate of the Past</i> , <b>2020</b> , 16, 1309-1323	3.9	4
26	The unidentified eruption of 1809: a climatic cold case. <i>Climate of the Past</i> , <b>2021</b> , 17, 1455-1482	3.9	4
25	Homogeneity assessment of phenological records from the Swiss Phenology Network. <i>International Journal of Biometeorology</i> , <b>2020</b> , 64, 71-81	3.7	4
24	The EUSTACE global land station daily air temperature dataset. <i>Geoscience Data Journal</i> , <b>2019</b> , 6, 189-204.5	4.5	3
23	Two types of North American droughts related to different atmospheric circulation patterns. <i>Climate of the Past</i> , <b>2019</b> , 15, 2053-2065	3.9	3
22	Climate from 1800 to 1970 in North America and Europe <b>2018</b> , 309-320		2
21	Die Wetter-Zeitmaschine. <i>Physik in Unserer Zeit</i> , <b>2014</b> , 45, 84-89	0.1	2
20	Defant's work on North Atlantic climate variability revisited. <i>Meteorologische Zeitschrift</i> , <b>2008</b> , 17, 93-103.1	3.1	2
19	Unlocking weather observations from the Societas Meteorologica Palatina (1781-1792). <i>Climate of the Past</i> , <b>2021</b> , 17, 2361-2379	3.9	2
18	Causes for increased flood frequency in central Europe in the 19th century		2
17	An ensemble reconstruction of global monthly sea surface temperature and sea ice concentration 1000-1849. <i>Scientific Data</i> , <b>2021</b> , 8, 261	8.2	2
16	Twinning SENAMHI and MeteoSwiss to co-develop climate services for the agricultural sector in Peru. <i>Climate Services</i> , <b>2020</b> , 20, 100195	3.8	2
15	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> , <b>2021</b> , 37, 100817	6.8	2
14	Reconstruction of Lamb weather type series back to the eighteenth century. <i>Climate Dynamics</i> , <b>2019</b> , 52, 6131-6148	4.2	2

13	The Machinery: Mechanisms Behind Climatic Changes. <i>Advances in Global Change Research</i> , <b>2015</b> , 71-166	1.2	1
12	Synthetic weather diaries: concept and application to Swiss weather in 1816. <i>Climate of the Past</i> , <b>2020</b> , 16, 1937-1952	3.9	0
11	Total column ozone in New Zealand and in the UK in the 1950s. <i>Atmospheric Chemistry and Physics</i> , <b>2020</b> , 20, 14333-14346	6.8	0
10	A decade of cold Eurasian winters reconstructed for the early 19th century.. <i>Nature Communications</i> , <b>2022</b> , 13, 2116	17.4	0
9	Influence of warming and atmospheric circulation changes on multidecadal European flood variability. <i>Climate of the Past</i> , <b>2022</b> , 18, 919-933	3.9	0
8	Regnerischere Sommerseeinseln wegen Ozonloch. <i>Physik in Unserer Zeit</i> , <b>2017</b> , 48, 215-216	0.1	
7	The Basis: Past Climate Observations and Methods. <i>Advances in Global Change Research</i> , <b>2015</b> , 9-69	1.2	
6	Variability of the global atmospheric circulation during the past 100 years. <i>Meteorologische Zeitschrift</i> , <b>2009</b> , 18, 365-368	3.1	
5	The Rising Pulse of the Atmosphere: Variability of the Global Atmospheric Circulation During the Past 100 Years; Monte Verit, Switzerland, 1520 June 2008. <i>Eos</i> , <b>2008</b> , 89, 516-516	1.5	
4	Fires and climate linked in nineteenth century. <i>Nature</i> , <b>2007</b> , 448, 992	50.4	
3	Eduard Brückner: The Sources and Consequences of Climate Change and Climate Variability in Historical Times. <i>Eos</i> , <b>2001</b> , 82, 104-104	1.5	
2	Eritrean central-highland precipitation and associations with sea-surface temperature and atmospheric circulation. <i>International Journal of Climatology</i> , <b>2021</b> , 41, 5502	3.5	
1	Intercomparisons, error assessments, and technical information on historical upper-air measurements. <i>Earth System Science Data</i> , <b>2021</b> , 13, 2471-2485	10.5	