

Christof Appenzeller

List of Publications by Year in descending order

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65
papers

7,474
citations

126907

33
h-index

123424

61
g-index

65
all docs

65
docs citations

65
times ranked

8449
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of increasing temperature variability in European summer heatwaves. <i>Nature</i> , 2004, 427, 332-336.	27.8	2,373
2	Ozone trends: A review. <i>Reviews of Geophysics</i> , 2001, 39, 231-290.	23.0	316
3	Seasonal variation of mass transport across the tropopause. <i>Journal of Geophysical Research</i> , 1996, 101, 15071-15078.	3.3	311
4	Risks of Model Weighting in Multimodel Climate Projections. <i>Journal of Climate</i> , 2010, 23, 4175-4191.	3.2	306
5	North Atlantic Oscillation Dynamics Recorded in Greenland Ice Cores. , 1998, 282, 446-449.		297
6	Structure of stratospheric intrusions into the troposphere. <i>Nature</i> , 1992, 358, 570-572.	27.8	283
7	Two-dimensional indices of atmospheric blocking and their statistical relationship with winter climate patterns in the Euro-Atlantic region. <i>International Journal of Climatology</i> , 2006, 26, 233-249.	3.5	278
8	Can multi-model combination really enhance the prediction skill of probabilistic ensemble forecasts?. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2008, 134, 241-260.	2.7	266
9	Fragmentation of stratospheric intrusions. <i>Journal of Geophysical Research</i> , 1996, 101, 1435-1456.	3.3	237
10	A comparative study of satellite and ground-based phenology. <i>International Journal of Biometeorology</i> , 2007, 51, 405-414.	3.0	191
11	Trends in Swiss Alpine snow days: The role of local- and large-scale climate variability. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	186
12	The Discrete Brier and Ranked Probability Skill Scores. <i>Monthly Weather Review</i> , 2007, 135, 118-124.	1.4	178
13	Revisiting Swiss temperature trends 1959–2008. <i>International Journal of Climatology</i> , 2012, 32, 203-213.	3.5	144
14	North Atlantic Oscillation modulates total ozone winter trends. <i>Geophysical Research Letters</i> , 2000, 27, 1131-1134.	4.0	141
15	The return period of wind storms over Europe. <i>International Journal of Climatology</i> , 2009, 29, 437-459.	3.5	125
16	MAP D-PHASE: Real-Time Demonstration of Weather Forecast Quality in the Alpine Region. <i>Bulletin of the American Meteorological Society</i> , 2009, 90, 1321-1336.	3.3	121
17	Enhanced Atlantic freshwater export during El Niño. <i>Geophysical Research Letters</i> , 2000, 27, 1163-1166.	4.0	108
18	Inter-Annual Variability and Decadal Trends in Alpine Spring Phenology: A Multivariate Analysis Approach. <i>Climatic Change</i> , 2005, 73, 395-414.	3.6	86

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19	A Debaised Ranked Probability Skill Score to Evaluate Probabilistic Ensemble Forecasts with Small Ensemble Sizes. <i>Journal of Climate</i> , 2005, 18, 1513-1523.	3.2	85
20	The North Atlantic Oscillation and its imprint on precipitation and ice accumulation in Greenland. <i>Geophysical Research Letters</i> , 1998, 25, 1939-1942.	4.0	84
21	Swiss Alpine snow pack variability: major patterns and links to local climate and large-scale flow. <i>Climate Research</i> , 2006, 32, 187-199.	1.1	82
22	Climate change projections for Switzerland based on a Bayesian multi-model approach. <i>International Journal of Climatology</i> , 2012, 32, 2348-2371.	3.5	74
23	European temperature distribution changes in observations and climate change scenarios. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a.	4.0	65
24	Seasonal Ensemble Forecasts: Are Recalibrated Single Models Better than Multimodels?. <i>Monthly Weather Review</i> , 2009, 137, 1460-1479.	1.4	56
25	Snow variability in the Swiss Alps 1864-2009. <i>International Journal of Climatology</i> , 2013, 33, 3162-3173.	3.5	53
26	Projected changes in precipitation intensity and frequency in Switzerland: a multi-model perspective. <i>International Journal of Climatology</i> , 2015, 35, 3204-3219.	3.5	49
27	Probabilistic seasonal prediction of the winter North Atlantic Oscillation and its impact on near surface temperature. <i>Climate Dynamics</i> , 2005, 24, 213-226.	3.8	48
28	Snow-albedo feedback and Swiss spring temperature trends. <i>Theoretical and Applied Climatology</i> , 2012, 110, 509-516.	2.8	46
29	Analysis of the Spread-Skill Relations Using the ECMWF Ensemble Prediction System over Europe. <i>Weather and Forecasting</i> , 2004, 19, 552-565.	1.4	45
30	Tracer lamination in the stratosphere: A global climatology. <i>Journal of Geophysical Research</i> , 1997, 102, 13555-13569.	3.3	42
31	Glacio-chemical study spanning the past 2 kyr on three ice cores from Dronning Maud Land, Antarctica: 1. Annually resolved accumulation rates. <i>Journal of Geophysical Research</i> , 2000, 105, 29411-29421.	3.3	42
32	Chemical and dynamical contributions to ozone profile trends of the Payerne (Switzerland) balloon soundings. <i>Journal of Geophysical Research</i> , 2001, 106, 22685-22694.	3.3	42
33	Probabilistic Verification of Monthly Temperature Forecasts. <i>Monthly Weather Review</i> , 2008, 136, 5162-5182.	1.4	42
34	Monitoring climate at Jungfrauoch in the high Swiss Alpine region. <i>Science of the Total Environment</i> , 2008, 391, 262-268.	8.0	39
35	Calibrated Precipitation Forecasts for a Limited-Area Ensemble Forecast System Using Reforecasts. <i>Monthly Weather Review</i> , 2010, 138, 176-189.	1.4	39
36	Ozone and potential vorticity at the subtropical tropopause break. <i>Journal of Geophysical Research</i> , 1996, 101, 18787-18792.	3.3	36

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37	Improved Estimates of the European Winter Windstorm Climate and the Risk of Reinsurance Loss Using Climate Model Data. <i>Journal of Applied Meteorology and Climatology</i> , 2010, 49, 2092-2120.	1.5	35
38	Generalization of the Discrete Brier and Ranked Probability Skill Scores for Weighted Multimodel Ensemble Forecasts. <i>Monthly Weather Review</i> , 2007, 135, 2778-2785.	1.4	32
39	Key climate indices in Switzerland; expected changes in a future climate. <i>Climatic Change</i> , 2014, 123, 255-271.	3.6	32
40	Localized climate change scenarios of mean temperature and precipitation over Switzerland. <i>Climatic Change</i> , 2014, 125, 237-252.	3.6	32
41	Realistic greenhouse gas forcing and seasonal forecasts. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	31
42	Temperature trends in Switzerland and Europe: implications for climate normals. <i>International Journal of Climatology</i> , 2006, 26, 565-580.	3.5	30
43	Fog and low stratus over the Swiss Plateau—a climatological study. <i>International Journal of Climatology</i> , 2014, 34, 678-686.	3.5	29
44	Challenges posed by and approaches to the study of seasonal-to-decadal climate variability. <i>Climatic Change</i> , 2006, 79, 31-63.	3.6	28
45	Methodological aspects of the validation of decadal predictions. <i>Climate Research</i> , 2013, 55, 181-200.	1.1	28
46	Long series of Swiss seasonal precipitation: regionalization, trends and influence of large-scale flow. <i>International Journal of Climatology</i> , 2016, 36, 3673-3689.	3.5	27
47	Signatures of Induced Vertical Air Motion Accompanying Quasi-Horizontal Roll-Up of Stratospheric Intrusions. <i>Monthly Weather Review</i> , 1997, 125, 2504-2519.	1.4	25
48	Implementation and validation of a Wilks-type multi-site daily precipitation generator over a typical Alpine river catchment. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 2163-2177.	4.9	23
49	Testing a weather generator for downscaling climate change projections over Switzerland. <i>International Journal of Climatology</i> , 2017, 37, 928-942.	3.5	22
50	Climate change in Switzerland: a review of physical, institutional, and political aspects. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2014, 5, 461-481.	8.1	21
51	PV morphology of a frontal-wave development. <i>Meteorology and Atmospheric Physics</i> , 1996, 58, 21-40.	2.0	19
52	Long-term ozone trends in Northern mid-latitudes with special emphasis on the contribution of changes in dynamics. <i>Physics and Chemistry of the Earth</i> , 2002, 27, 461-469.	2.9	19
53	The evolution of ERA-40 surface temperatures and total ozone compared to observed Swiss time series. <i>Meteorologische Zeitschrift</i> , 2007, 16, 171-181.	1.0	19
54	An automated procedure to detect discontinuities; performance assessment and application to a large European climate data set. <i>Meteorologische Zeitschrift</i> , 2008, 17, 663-672.	1.0	19

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55	Estimating daily climatologies for climate indices derived from climate model data and observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 2808-2818.	3.3	18
56	The Impact of Moist Singular Vectors and Horizontal Resolution on Short-Range Limited-Area Ensemble Forecasts for Two European Winter Storms. <i>Monthly Weather Review</i> , 2006, 134, 2877-2887.	1.4	15
57	Operational quality control of daily precipitation using spatio-climatological plausibility testing. <i>Meteorologische Zeitschrift</i> , 2011, 20, 397-407.	1.0	12
58	Supplement to MAP D-PHASE: Real-Time Demonstration of Weather Forecast Quality in the Alpine Region: Additional Applications of the D-Phase Datasets. <i>Bulletin of the American Meteorological Society</i> , 2009, 90, S28-S32.	3.3	9
59	Validation of parametrisations for the meridional energy and moisture transport used in simple climate models. <i>Climate Dynamics</i> , 2000, 16, 63-77.	3.8	7
60	Climate change and circulation types in the Alpine region. <i>Meteorologische Zeitschrift</i> , 2017, 26, 83-92.	1.0	7
61	Distribution Changes of Seasonal Mean Temperature in Observations and Climate Change Scenarios. , 2008, , 251-267.		7
62	Towards operational impact forecasting of building damage from winter windstorms in Switzerland. <i>Meteorological Applications</i> , 2021, 28, e2035.	2.1	6
63	Title is missing!. <i>Integrated Assessment: an International Journal</i> , 2000, 1, 301-306.	0.8	4
64	Challenges posed by and approaches to the study of seasonal-to-decadal climate variability. , 2006, , 31-63.		2
65	Focus on climate projections for adaptation strategies. <i>Environmental Research Letters</i> , 2016, 11, 010201.	5.2	0