

Martin Widmann

List of Publications by Citations

Source: <https://exaly.com/author-pdf/213946/martin-widmann-publications-by-citations.pdf>

Version: 2024-04-23

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.

48
papers

5,447
citations

30
h-index

61
g-index

61
ext. papers

6,296
ext. citations

6.6
avg, IF

5.56
L-index

#	Paper	IF	Citations
48	Mid- to Late Holocene climate change: an overview. <i>Quaternary Science Reviews</i> , 2008 , 27, 1791-1828	3.9	1166
47	Precipitation downscaling under climate change: Recent developments to bridge the gap between dynamical models and the end user. <i>Reviews of Geophysics</i> , 2010 , 48,	23.1	1021
46	The Effective Number of Spatial Degrees of Freedom of a Time-Varying Field. <i>Journal of Climate</i> , 1999 , 12, 1990-2009	4.4	906
45	Statistical Precipitation Downscaling over the Northwestern United States Using Numerically Simulated Precipitation as a Predictor*. <i>Journal of Climate</i> , 2003 , 16, 799-816	4.4	231
44	Towards process-informed bias correction of climate change simulations. <i>Nature Climate Change</i> , 2017 , 7, 764-773	21.4	202
43	Skill, Correction, and Downscaling of GCM-Simulated Precipitation. <i>Journal of Climate</i> , 2012 , 25, 3970-3984	4.4	123
42	Higher probability of compound flooding from precipitation and storm surge in Europe under anthropogenic climate change. <i>Science Advances</i> , 2019 , 5, eaaw5531	14.3	122
41	Validation of Mesoscale Precipitation in the NCEP Reanalysis Using a New Gridcell Dataset for the Northwestern United States. <i>Journal of Climate</i> , 2000 , 13, 1936-1950	4.4	113
40	VALUE: A framework to validate downscaling approaches for climate change studies. <i>Earth's Future</i> , 2015 , 3, 1-14	7.9	112
39	Statistical Downscaling and Bias Correction for Climate Research 2018 ,		111
38	Multivariate statistical modelling of compound events via pair-copula constructions: analysis of floods in Ravenna (Italy). <i>Hydrology and Earth System Sciences</i> , 2017 , 21, 2701-2723	5.5	109
37	An intercomparison of a large ensemble of statistical downscaling methods over Europe: Results from the VALUE perfect predictor cross-validation experiment. <i>International Journal of Climatology</i> , 2019 , 39, 3750-3785	3.5	101
36	A principal component and long-term trend analysis of daily precipitation in Switzerland. <i>International Journal of Climatology</i> , 1997 , 17, 1333-1356	3.5	97
35	Atmospheric science: early peak in Antarctic oscillation index. <i>Nature</i> , 2004 , 432, 290-1	50.4	79
34	Historical SAM Variability. Part I: Century-Length Seasonal Reconstructions*. <i>Journal of Climate</i> , 2009 , 22, 5319-5345	4.4	74
33	Using data assimilation to study extratropical Northern Hemisphere climate over the last millennium. <i>Climate of the Past</i> , 2010 , 6, 627-644	3.9	73
32	Evaluation of the skill and added value of a reanalysis-driven regional simulation for Alpine temperature. <i>International Journal of Climatology</i> , 2010 , 30, 760-773	3.5	66

31	Instrument- and Tree-Ring-Based Estimates of the Antarctic Oscillation. <i>Journal of Climate</i> , 2003 , 16, 3511-3524	4.4	66
30	One-Dimensional CCA and SVD, and Their Relationship to Regression Maps. <i>Journal of Climate</i> , 2005 , 18, 2785-2792	4.4	55
29	Transient simulations, empirical reconstructions and forcing mechanisms for the Mid-holocene hydrological climate in southern Patagonia. <i>Climate Dynamics</i> , 2007 , 29, 333-355	4.2	53
28	Stochastic Model Output Statistics for Bias Correcting and Downscaling Precipitation Including Extremes. <i>Journal of Climate</i> , 2014 , 27, 6940-6959	4.4	47
27	Comparison of GCM- and RCM-simulated precipitation following stochastic postprocessing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 11,040-11,053	4.4	47
26	Increased probability of compound long-duration dry and hot events in Europe during summer (1950-2013). <i>Environmental Research Letters</i> , 2019 , 14, 094006	6.2	46
25	Soil Moisture Drought in Europe: A Compound Event of Precipitation and Potential Evapotranspiration on Multiple Time Scales. <i>Journal of Hydrometeorology</i> , 2018 , 19, 1255-1271	3.7	45
24	A combined statistical bias correction and stochastic downscaling method for precipitation. <i>Hydrology and Earth System Sciences</i> , 2017 , 21, 1693-1719	5.5	43
23	Downscaling of GCM-Simulated Precipitation Using Model Output Statistics. <i>Journal of Climate</i> , 2014 , 27, 312-324	4.4	37
22	On-line and off-line data assimilation in palaeoclimatology: a case study. <i>Climate of the Past</i> , 2015 , 11, 81-93	3.9	37
21	Statistical downscaling skill under present climate conditions: A synthesis of the VALUE perfect predictor experiment. <i>International Journal of Climatology</i> , 2019 , 39, 3692-3703	3.5	31
20	The VALUE perfect predictor experiment: Evaluation of temporal variability. <i>International Journal of Climatology</i> , 2019 , 39, 3786-3818	3.5	31
19	The representation of location by a regional climate model in complex terrain. <i>Hydrology and Earth System Sciences</i> , 2015 , 19, 3449-3456	5.5	30
18	Simulated Relationships between Regional Temperatures and Large-Scale Circulation: 125 kyr BP (Eemian) and the Preindustrial Period. <i>Journal of Climate</i> , 2005 , 18, 4032-4045	4.4	21
17	Cross-validation of bias-corrected climate simulations is misleading. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 4867-4873	5.5	19
16	Evaluation of the performance of Euro-CORDEX Regional Climate Models for assessing hydrological climate change impacts in Great Britain: A comparison of different spatial resolutions and quantile mapping bias correction methods. <i>Journal of Hydrology</i> , 2020 , 584, 124653	6	16
15	Overview of data assimilation methods. <i>PAGES News</i> , 2013 , 21, 72-73		14
14	Climate change scenarios at Austrian National Forest Inventory sites. <i>Climate Research</i> , 2002 , 22, 161-173.6		13

13	Validation of spatial variability in downscaling results from the VALUE perfect predictor experiment. <i>International Journal of Climatology</i> , 2019 , 39, 3819	3.5	12
12	Assimilating continental mean temperatures to reconstruct the climate of the late pre-industrial period. <i>Climate Dynamics</i> , 2016 , 46, 3547-3566	4.2	9
11	Comparing proxy and model estimates of hydroclimate variability and change over the Common Era		7
10	Transient state estimation in paleoclimatology using data assimilation. <i>PAGES News</i> , 2013 , 21, 74-75		6
9	Diving into the Past: A Paleo Data Model Comparison Workshop on the Late Glacial and Holocene. <i>Bulletin of the American Meteorological Society</i> , 2019 , 100, ES1-ES4	6.1	4
8	Pacific SST influence on spring precipitation in Addis Ababa, Ethiopia. <i>International Journal of Climatology</i> , 2014 , 34, 1223-1235	3.5	4
7	Sensitivity of temperature teleconnections to orbital changes in AO-GCM simulations. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	4
6	The representation of location by regional climate models in complex terrain		4
5	Influence of proxy data uncertainty on data assimilation for the past climate. <i>Climate of the Past</i> , 2016 , 12, 1555-1563	3.9	4
4	Higher potential compound flood risk in Northern Europe under anthropogenic climate change		3
3	40. Chronology and climate forcing of the last four interglacials. <i>Developments in Quaternary Sciences</i> , 2007 , 7, 597-614	0.5	2
2	Cross-validation of bias-corrected climate simulations is misleading		2
1	34. Simulated teleconnections during the Eemian, the last glacial inception and the preindustrial period. <i>Developments in Quaternary Sciences</i> , 2007 , 7, 517-526	0.5	