Raphael Neukom

List of Publications by Year
in descending order

41 papers	3,826 citations	236925 25 h-index	330143 37 g-index
51 all docs	51 docs citations	51 times ranked	4945 citing authors

#	Article	IF	Citations
1	Continental-scale temperature variability during the past two millennia. Nature Geoscience, 2013, 6, 339-346.	12.9	954
2	No evidence for globally coherent warm and cold periods over the preindustrial Common Era. Nature, 2019, 571, 550-554.	27.8	272
3	Early onset of industrial-era warming across the oceans and continents. Nature, 2016, 536, 411-418.	27.8	242
4	Inter-hemispheric temperature variability over the past millennium. Nature Climate Change, 2014, 4, 362-367.	18.8	240
5	Consistent multidecadal variability in global temperature reconstructions and simulations over the Common Era. Nature Geoscience, 2019, 12, 643-649.	12.9	226
6	The influence of sampling design on treeâ€ringâ€based quantification of forest growth. Global Change Biology, 2014, 20, 2867-2885.	9.5	225
7	Unusual Southern Hemisphere tree growth patterns induced by changes in the Southern Annular Mode. Nature Geoscience, 2012, 5, 793-798.	12.9	198
8	Antarctic climate variability on regional and continental scales over the last 2000Âyears. Climate of the Past, 2017, 13, 1609-1634.	3.4	145
9	Multiproxy summer and winter surface air temperature field reconstructions for southern South America covering the past centuries. Climate Dynamics, 2011, 37, 35-51.	3.8	135
10	Paleoclimate Dataâ€“Model Comparison and the Role of Climate Forcings over the Past 1500 Years*. Journal of Climate, 2013, 26, 6915-6936.	3.2	108
11	Tambora 1815 as a test case for high impact volcanic eruptions: Earth system effects. Wiley Interdisciplinary Reviews: Climate Change, 2016, 7, 569-589.	8.1	105
12	Southern Hemisphere high-resolution palaeoclimate records of the last 2000 years. Holocene, 2012, 22, 501-524.	1.7	98
13	Multiâ€centennial summer and winter precipitation variability in southern South America. Geophysical Research Letters, 2010, 37, .	4.0	94
14	Unlocking Pre-1850 Instrumental Meteorological Records: A Global Inventory. Bulletin of the American Meteorological Society, 2019, 100, ES389-ES413.	3.3	68
15	The 1430s: a cold period of extraordinary internal climate variability during the early SpÃ¶rer Minimum with social and economic impacts in north-western and central Europe. Climate of the Past, 2016, 12, 2107-2126.	3.4	66
16	Facing unprecedented drying of the Central Andes? Precipitation variability over the period AD 1000â€“2100. Environmental Research Letters, 2015, 10, 084017.	5.2	65
17	Spatial and temporal agreement in climate model simulations of the Interdecadal Pacific Oscillation. Environmental Research Letters, 2017, 12, 044011.	5.2	65
18	Teleconnection stationarity, variability and trends of the Southern Annular Mode (SAM) during the last millennium. Climate Dynamics, 2018, 51, 2321-2339.	3.8	58

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19	Multi-proxy summer and winter precipitation reconstruction for southern Africa over the last 200 years. Climate Dynamics, 2014, 42, 2713-2726.	3.8	56
20	The freezing level in the tropical Andes, Peru: An indicator for present and future glacier extents. Journal of Geophysical Research D: Atmospheres, 2017, 122, 5172-5189.	3.3	52
21	Seasonal rainfall variability in southeast Africa during the nineteenth century reconstructed from documentary sources. Climatic Change, 2016, 134, 605-619.	3.6	43
22	Multi-century tree-ring based reconstruction of the NeuquÃ©n River streamflow, northern Patagonia, Argentina. Climate of the Past, 2012, 8, 815-829.	3.4	36
23	Australasian Temperature Reconstructions Spanning the Last Millennium. Journal of Climate, 2016, 29, 5365-5392.	3.2	34
24	Teleconnections and relationship between the El NiÃ±oâ€“Southern Oscillation (ENSO) and the Southern Annular Mode (SAM) in reconstructions and models over the past millennium. Climate of the Past, 2020, 16, 743-756.	3.4	29
25	An extended network of documentary data from South America and its potential for quantitative precipitation reconstructions back to the 16th century. Geophysical Research Letters, 2009, 36, .	4.0	28
26	Antarctic temperature changes during the last millennium: evaluation of simulations and reconstructions. Quaternary Science Reviews, 2012, 55, 75-90.	3.0	27
27	The variable European Little Ice Age. Quaternary Science Reviews, 2022, 287, 107531.	3.0	26
28	Possible causes of data model discrepancy in the temperature history of the last Millennium. Scientific Reports, 2018, 8, 7572.	3.3	24
29	El NiÃ±oâ€“Southern Oscillation variability, teleconnection changes and responses to large volcanic eruptions since AD 1000. International Journal of Climatology, 2019, 39, 2711-2724.	3.5	24
30	Assessing the robustness of Antarctic temperature reconstructions over the past 2Âmillennia using pseudoproxy and data assimilation experiments. Climate of the Past, 2019, 15, 661-684.	3.4	21
31	Pseudo-proxy tests of the analogue method to reconstruct spatially resolved global temperature during the Common Era. Climate of the Past, 2017, 13, 629-648.	3.4	19
32	The importance of input data quality and quantity in climate field reconstructions â€“ results from the assimilation of various tree-ring collections. Climate of the Past, 2020, 16, 1061-1074.	3.4	14
33	Introduction to the special issue â€œClimate of the past 2000 years: regional and trans-regional synthesesâ€• Climate of the Past, 2019, 15, 611-615.	3.4	10
34	An ensemble reconstruction of global monthly sea surface temperature and sea ice concentration 1000â€“1849. Scientific Data, 2021, 8, 261.	5.3	7
35	An interdecadal climate dipole between Northeast Asia and Antarctica over the past five centuries. Climate Dynamics, 2019, 52, 765-775.	3.8	4
36	Inconsistent comparison of temperature reconstructions over the Common Era. Dendrochronologia, 2022, 74, 125965.	2.2	2

#	Article	IF	Citations
37	Science in the Context of Climate Change Adaptation: Case Studies from the Peruvian Andes. , 2016, , 41-58.		1
38	Climate corridors for strategic adaptation planning. International Journal of Climate Change Strategies and Management, 2017, 9, 811-828.	2.9	1
39	Multi-proxy temperature and precipitation field reconst-ructions for southern South America over the past centuries. Quaternary International, 2012, 279-280, 350.	1.5	0
40	Instrumental Meteorological Records before 1850: An Inventory. Bulletin of the American Meteorological Society, 2020, 101, 43-47.	3.3	0
41	Simulating the Common Era: The Past2k working group of PMIP. Past Global Change Magazine, 2021, 29, 72-73.	0.1	0