Hans Renssen

List of Publications by Year
in descending order

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31 papers	1,541 citations	394421 19 h-index	501196 28 g-index
31 all docs	31 docs citations	31 times ranked	2655 citing authors

#	Article	IF	Citations
1	Simulating the Holocene climate evolution at northern high latitudes using a coupled atmosphere-sea ice-ocean-vegetation model. Climate Dynamics, 2005, 24, 23-43.	3.8	194
2	The PMIP4 contribution to CMIP6 â€“ Part 2: Two interglacials, scientific objective and experimental design for Holocene and Last Interglacial simulations. Geoscientific Model Development, 2017, 10, 3979-4003.	3.6	171
3	Orbital Asian summer monsoon dynamics revealed using an isotope-enabled global climate model. Nature Communications, 2014, 5, 5371.	12.8	145
4	Validation of climate model-inferred regional temperature change for late-glacial Europe. Nature Communications, 2014, 5, 4914.	12.8	129
5	Multiple causes of the Younger Dryas cold period. Nature Geoscience, 2015, 8, 946-949.	12.9	112
6	GlaRe, a GIS tool to reconstruct the 3D surface of palaeoglaciers. Computers and Geosciences, 2016, 94, 77-85.	4.2	107
7	Using paleoclimate proxy-data to select optimal realisations in an ensemble of simulations of the climate of the past millennium. Climate Dynamics, 2006, 27, 165-184.	3.8	97
8	Holocene subsurface temperature variability in the eastern Antarctic continental margin. Geophysical Research Letters, 2012, 39, .	4.0	61
9	Simulation of Holocene cooling events in a coupled climate model. Quaternary Science Reviews, 2007, 26, 2019-2029.	3.0	60
10	Atmospheric circulation over Europe during the Younger Dryas. Science Advances, 2020, 6, .	10.3	55
11	Contrasting trends in North Atlantic deep-water formation in the Labrador Sea and Nordic Seas during the Holocene. Geophysical Research Letters, 2005, 32, .	4.0	48
12	Modeled seasonality of glacial abrupt climate events. Climate Dynamics, 2008, 31, 633-645.	3.8	46
13	Agreement between reconstructed and modeled boreal precipitation of the Last Interglacial. Science Advances, 2019, 5, eaax7047.	10.3	46
14	Holocene productivity changes off AdÃ©lie Land (East Antarctica). Paleoceanography, 2009, 24, .	3.0	32
15	Fingerprinting the 8.2 ka event climate response in a coupled climate model. Journal of Quaternary Science, 2011, 26, 118-127.	2.1	31
16	Trees tracking a warmer climate: The Holocene range shift of hazel (Corylus avellana) in northern Europe. Holocene, 2015, 25, 53-63.	1.7	31
17	Could meltwater pulses have been sneaked unnoticed into the deep ocean during the last glacial?. Geophysical Research Letters, 2007, 34, .	4.0	25
18	Effects of melting ice sheets and orbital forcing on the early Holocene warming in the extratropical Northern Hemisphere. Climate of the Past, 2016, 12, 1119-1135.	3.4	22

#	Article	IF	Citations
19	Surface albedo of alpine lichen heaths and shrub vegetation. Arctic, Antarctic, and Alpine Research, 2020, 52, 312-322.	1.1	21
20	Sensitivity of discharge and flood frequency to twenty-first century and late Holocene changes in climate and land use (River Meuse, northwest Europe). Climatic Change, 2011, 106, 179-202.	3.6	16
21	A simulated reduction in Antarctic sea-ice area since 1750: implications of the long memory of the ocean. International Journal of Climatology, 2005, 25, 569-579.	3.5	14
22	Climate of the Past Millennium: Combining Proxy Data and Model Simulations. , 0, , 163-188.		13
23	Tracking Hunter-Gatherer Impact on Vegetation in Last Interglacial and Holocene Europe: Proxies and Challenges. Journal of Archaeological Method and Theory, 2022, 29, 989-1033.	3.0	12
24	Microclimatic comparison of lichen heaths and shrubs: shrubification generates atmospheric heating but subsurface cooling during the growing season. Biogeosciences, 2021, 18, 1577-1599.	3.3	11
25	Climate model experiments on the 4.2â€‰ka event: The impact of tropical sea-surface temperature anomalies and desertification. Holocene, 2022, 32, 378-389.	1.7	11
26	Modelling the vegetation response to the 8.2 ka <scp>bp</scp> cooling event in Europe and Northern Africa. Journal of Quaternary Science, 2019, 34, 650-661.	2.1	9
27	How robust are Holocene treeline simulations? A modelâ€“data comparison in the European Arctic treeline region. Journal of Quaternary Science, 2013, 28, 595-604.	2.1	8
28	The Arctic freshwater cycle during a naturally and an anthropogenically induced warm climate. Climate Dynamics, 2014, 42, 2099-2112.	3.8	8
29	The evolution of deepâ€ocean flow speeds and Î´¹³C under large changes in the Atlantic overturning circulation: Toward a more direct modelâ€data comparison. Paleoceanography, 2015, 30, 95-117.	3.0	4
30	Shrub encroachment interacts with environmental variation to reduce the albedo of alpine lichen heaths: an experimental study. Nordic Journal of Botany, 0, , .	0.5	2
31	Assessment of the TREELIM model in predicting present treeline along a longitudinal continentality-maritimity gradient in south-western Norway. Geografiska Annaler, Series A: Physical Geography, 0, , 1-19.	1.5	0