Mathias Trachsel

List of Publications by Year
in descending order

21 papers	698 citations	623734 14 h-index	713466 21 g-index
21 all docs	21 docs citations	21 times ranked	1344 citing authors

#	Article	IF	Citations
1	Last phase of the Little Ice Age forced by volcanic eruptions. Nature Geoscience, 2019, 12, 650-656.	12.9	93
2	All ageâ€“depth models are wrong, but are getting better. Holocene, 2017, 27, 860-869.	1.7	75
3	Ice-borne prehistoric finds in the Swiss Alps reflect Holocene glacier fluctuations. Journal of Quaternary Science, 2007, 22, 203-207.	2.1	71
4	Multi-archive summer temperature reconstruction for the European Alps, ADÂ1053â€“1996. Quaternary Science Reviews, 2012, 46, 66-79.	3.0	59
5	Alpine climate during the Holocene: a comparison between records of glaciers, lake sediments and solar activity. Journal of Quaternary Science, 2011, 26, 703-713.	2.1	56
6	Thousand years of climate change reconstructed from chironomid subfossils preserved in varved lake Silvaplana, Engadine, Switzerland. Quaternary Science Reviews, 2010, 29, 1940-1949.	3.0	45
7	Scanning reflectance spectroscopy (380â€“730Ânm): a novel method for quantitative high-resolution climate reconstructions from minerogenic lake sediments. Journal of Paleolimnology, 2010, 44, 979-994.	1.6	40
8	Technical note: Estimating unbiased transfer-function performances in spatially structured environments. Climate of the Past, 2016, 12, 1215-1223.	3.4	39
9	Reconstructing Holocene glacier activity at LangfjordjÃ¸kelen, Arctic Norway, using multi-proxy fingerprinting of distal glacier-fed lake sediments. Quaternary Science Reviews, 2015, 114, 78-99.	3.0	36
10	Quantitative summer temperature reconstruction derived from a combined biogenic Si and chironomid record from varved sediments of Lake Silvaplana (south-eastern Swiss Alps) back to AD 1177. Quaternary Science Reviews, 2010, 29, 2719-2730.	3.0	34
11	Mineralogyâ€based quantitative precipitation and temperature reconstructions from annually laminated lake sediments (Swiss Alps) since AD 1580. Geophysical Research Letters, 2008, 35, .	4.0	29
12	Numerical analyses of a multi-proxy data set from a distal glacier-fed lake, SÃ¸rsendalsvatn, western Norway. Quaternary Science Reviews, 2013, 73, 182-195.	3.0	24
13	Assessing performance and seasonal bias of pollen-based climate reconstructions in a perfect model world. Climate of the Past, 2016, 12, 2255-2270.	3.4	20
14	High-resolution chironomid-inferred temperature history since ad 1580 from varved Lake Silvaplana, Switzerland: comparison with local and regional reconstructions. Holocene, 2009, 19, 1201-1212.	1.7	15
15	A last millennium temperature reconstruction using chironomids preserved in sediments of anoxic Seebergsee (Switzerland): consensus at local, regional and Central European scales. Quaternary Science Reviews, 2012, 41, 49-56.	3.0	14
16	Modelling annual mass balances of eight Scandinavian glaciers using statistical models. Cryosphere, 2015, 9, 1401-1414.	3.9	11
17	Calibrating aquatic microfossil proxies with regression-tree ensembles: Cross-validation with modern chironomid and diatom data. Holocene, 2016, 26, 1040-1048.	1.7	10
18	Late glacial and Holocene environmental changes inferred from sediments in Lake Myklevatnet, Nordfjord, western Norway. Vegetation History and Archaeobotany, 2014, 23, 229-248.	2.1	9

#	Article	IF	Citations
19	Comparison of settlement-era vegetation reconstructions for STEPPS and REVEALS pollenâ€“vegetation models in the northeastern United States. Quaternary Research, 2020, 95, 23-42.	1.7	8
20	Forest responses to lastâ€millennium hydroclimate variability are governed by spatial variations in ecosystem sensitivity. Ecology Letters, 2021, 24, 498-508.	6.4	7
21	Inferring organic content of sediments by scanning reflectance spectroscopy (380â€“730Ânm): applying a novel methodology in a case study from proglacial lakes in Norway. Journal of Paleolimnology, 2013, 50, 583-592.	1.6	3