Timothy M Shanahan

List of Publications by Year
in descending order

46	4,170	201674 27	223800 46
papers	citations	h-index	g-index

46	46	46	5995
all docs	docs citations	times ranked	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	Holocene changes in eastern tropical Pacific climate inferred from a GalÃ¡pagos lake sediment record. Quaternary Science Reviews, 2008, 27, 1166-1180.	3.0	578
3	East African megadroughts between 135 and 75 thousand years ago and bearing on early-modern human origins. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 16416-16421.	7.1	369
4	The time-transgressive termination of the African Humid Period. Nature Geoscience, 2015, 8, 140-144.	12.9	344
5	Atlantic Forcing of Persistent Drought in West Africa. Science, 2009, 324, 377-380.	12.6	334
6	Alkali diffusion in plagioclase feldspar. Chemical Geology, 1997, 139, 3-20.	3.3	167
7	Paleoclimatic variations in West Africa from a record of late Pleistocene and Holocene lake level stands of Lake Bosumtwi, Ghana. Palaeogeography, Palaeoclimatology, Palaeoecology, 2006, 242, 287-302.	2.3	130
8	Chronology of Quaternary glaciations in East Africa. Earth and Planetary Science Letters, 2000, 177, 23-42.	4.4	94
9	African hydroclimatic variability during the last 2000 years. Quaternary Science Reviews, 2016, 154, 1-22.	3.0	83
10	Temperature variability over Africa during the last 2000 years. Holocene, 2013, 23, 1085-1094.	1.7	81
11	Isotopic variability in the aragonite shells of freshwater gastropods living in springs with nearly constant temperature and isotopic composition. Geochimica Et Cosmochimica Acta, 2005, 69, 3949-3966.	3.9	78
12	Temperature sensitivity of branched and isoprenoid GDGTs in Arctic lakes. Organic Geochemistry, 2013, 64, 119-128.	1.8	65
13	A magnetic mineral record of Late Quaternary tropical climate variability from Lake Bosumtwi, Ghana. Palaeogeography, Palaeoclimatology, Palaeoecology, 2004, 215, 37-57.	2.3	64
14	Late Pleistocene paleohydrology near the boundary of the Sonoran andÂChihuahuan Deserts, southeastern Arizona, USA. Quaternary Science Reviews, 2009, 28, 286-300.	3.0	60
15	Rapid regional surface uplift of the northern Altiplano plateau revealed by multiproxy paleoclimate reconstruction. Earth and Planetary Science Letters, 2016, 447, 33-47.	4.4	58
16	Simulating the response of a closed-basin lake to recent climate changes in tropical West Africa (Lake) Tj ETQq0 0 0 rgBT /Overlock 10 T	2.6	56
17	An interlaboratory study of TEX₈₆ and BIT analysis using highâ€performance liquid chromatographyâ€“mass spectrometry. Geochemistry, Geophysics, Geosystems, 2009, 10, .	2.5	52
18	Paleoelevation records from lipid biomarkers: Application to the tropical Andes. Bulletin of the Geological Society of America, 2015, 127, 1604-1616.	3.3	42

#	Article	IF	Citations
19	The end of the African humid period as seen by a transient comprehensive Earth system model simulation of the last 8000â€‰years. Climate of the Past, 2020, 16, 117-140.	3.4	41
20	Age models for long lacustrine sediment records using multiple dating approaches â€“ An example from Lake Bosumtwi, Ghana. Quaternary Geochronology, 2013, 15, 47-60.	1.4	38
21	Sources of local and regional variability in the MBTâ€²/CBT paleotemperature proxy: Insights from a modern elevation transect across the Eastern Cordillera of Colombia. Organic Geochemistry, 2014, 69, 42-51.	1.8	38
22	Insights into Circum-Arctic sea ice variability from molecular geochemistry. Quaternary Science Reviews, 2013, 79, 63-73.	3.0	37
23	The formation of biogeochemical laminations in Lake Bosumtwi, Ghana, and their usefulness as indicators of past environmental changes. Journal of Paleolimnology, 2008, 40, 339-355.	1.6	36
24	A 60,000-year record of hydrologic variability in the Central Andes from the hydrogen isotopic composition of leaf waxes in Lake Titicaca sediments. Earth and Planetary Science Letters, 2014, 408, 263-271.	4.4	35
25	Environmental controls on the 2H/1H values of terrestrial leaf waxes in the eastern Canadian Arctic. Geochimica Et Cosmochimica Acta, 2013, 119, 286-301.	3.9	31
26	Late Quaternary sedimentological and climate changes at Lake Bosumtwi Ghana: New constraints from laminae analysis and radiocarbon age modeling. Palaeogeography, Palaeoclimatology, Palaeoecology, 2012, 361-362, 49-60.	2.3	30
27	Pollen and spores as biological recorders of past ultraviolet irradiance. Scientific Reports, 2016, 6, 39269.	3.3	27
28	Scanning microâ€Xâ€ray fluorescence elemental mapping: A new tool for the study of laminated sediment records. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	26
29	A stronger role for long-term moisture change than for CO ₂ in determining tropical woody vegetation change. Science, 2022, 376, 653-656.	12.6	25
30	CO2 and fire influence tropical ecosystem stability in response to climate change. Scientific Reports, 2016, 6, 29587.	3.3	24
31	Spatial and temporal variability in sedimentological and geochemical properties of sediments from an anoxic crater lake in West Africa: Implications for paleoenvironmental reconstructions. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 374, 96-109.	2.3	21
32	Tectonic and climate controls on Neogene environmental change in the Zhada Basin, southwestern Tibetan Plateau. Geology, 2016, 44, 919-922.	4.4	16
33	Asymmetric response of forest and grassy biomes to climate variability across the African Humid Period: influenced by anthropogenic disturbance?. Ecography, 2020, 43, 1118-1142.	4.5	16
34	Controls on the Isotopic Composition of Precipitation in the Southâ€Central United States. Journal of Geophysical Research D: Atmospheres, 2019, 124, 8320-8335.	3.3	14
35	Reconstructing theÂclimatic niche breadth of land use for animal production during the African Holocene. Global Ecology and Biogeography, 2020, 29, 127-147.	5.8	14
36	Isotopic variability in tropical cyclone precipitation is controlled by Rayleigh distillation and cloud microphysics. Communications Earth & Environment, 2022, 3, .	6.8	14

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37	Abrupt changes in the water balance of tropical West Africa during the late Quaternary. Journal of Geophysical Research, 2008, 113, .	3.3	13
38	Distribution of branched GDGTs in surface sediments from the Colville River, Alaska: Implications for the MBTâ€²/CBT paleothermometer in Arctic marine sediments. Journal of Geophysical Research G: Biogeosciences, 2016, 121, 1762-1780.	3.0	12
39	Petroleum system modeling in the Eastern Cordillera of Colombia using geochemistry and timing of thrusting and deformation. AAPG Bulletin, 2015, 99, 1537-1556.	1.5	11
40	Structural and hydrogeologic evolution of the Putumayo basin and adjacent fold-thrust belt, Colombia. AAPG Bulletin, 2015, 99, 1893-1927.	1.5	10
41	Depositional histories of vegetation and rainfall intensity in Sierra Madre Oriental Mountains (northeast Mexico) since the late Last Glacial. Global and Planetary Change, 2020, 187, 103136.	3.5	9
42	Isolation and characterization of a CO2-tolerant Lactobacillus strain from Crystal Geyser, Utah, U.S.A.. Frontiers in Earth Science, 2015, 3, .	1.8	7
43	The use of Î´13C values of leporid teeth as indicators of past vegetation. Palaeogeography, Palaeoclimatology, Palaeoecology, 2015, 418, 245-260.	2.3	6
44	A multi-proxy investigation of late-Holocene temperature change and climate-driven fluctuations in sediment sourcing: Simpson Lagoon, Alaska. Holocene, 2018, 28, 984-997.	1.7	5
45	Orbital Forcing of Late Mioceneâ€“Early Pleistocene Environmental Change in the Zhada Basin, SW Tibetan Plateau. Paleoceanography and Paleoclimatology, 2020, 35, e2019PA003781.	2.9	3
46	Great Plains storm intensity since the last glacial controlled by spring surface warming. Nature Geoscience, 2021, 14, 912-917.	12.9	2