

Timothy M Shanahan

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

4,170
citations

201674

27
h-index

223800

46
g-index

46
all docs

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docs citations

46
times ranked

5995
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Isotopic variability in tropical cyclone precipitation is controlled by Rayleigh distillation and cloud microphysics. <i>Communications Earth & Environment</i> , 2022, 3, . | 6.8 | 14 |
| 2 | A stronger role for long-term moisture change than for CO ₂ in determining tropical woody vegetation change. <i>Science</i> , 2022, 376, 653-656. | 12.6 | 25 |
| 3 | Great Plains storm intensity since the last glacial controlled by spring surface warming. <i>Nature Geoscience</i> , 2021, 14, 912-917. | 12.9 | 2 |
| 4 | Reconstructing the climatic niche breadth of land use for animal production during the African Holocene. <i>Global Ecology and Biogeography</i> , 2020, 29, 127-147. | 5.8 | 14 |
| 5 | The end of the African humid period as seen by a transient comprehensive Earth system model simulation of the last 8000 years. <i>Climate of the Past</i> , 2020, 16, 117-140. | 3.4 | 41 |
| 6 | Orbital Forcing of Late Miocene–Early Pleistocene Environmental Change in the Zhada Basin, SW Tibetan Plateau. <i>Paleoceanography and Paleoclimatology</i> , 2020, 35, e2019PA003781. | 2.9 | 3 |
| 7 | Depositional histories of vegetation and rainfall intensity in Sierra Madre Oriental Mountains (northeast Mexico) since the late Last Glacial. <i>Global and Planetary Change</i> , 2020, 187, 103136. | 3.5 | 9 |
| 8 | Asymmetric response of forest and grassy biomes to climate variability across the African Humid Period: influenced by anthropogenic disturbance?. <i>Ecography</i> , 2020, 43, 1118-1142. | 4.5 | 16 |
| 9 | Controls on the Isotopic Composition of Precipitation in the South-Central United States. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 8320-8335. | 3.3 | 14 |
| 10 | A multi-proxy investigation of late-Holocene temperature change and climate-driven fluctuations in sediment sourcing: Simpson Lagoon, Alaska. <i>Holocene</i> , 2018, 28, 984-997. | 1.7 | 5 |
| 11 | Pollen and spores as biological recorders of past ultraviolet irradiance. <i>Scientific Reports</i> , 2016, 6, 39269. | 3.3 | 27 |
| 12 | Rapid regional surface uplift of the northern Altiplano plateau revealed by multiproxy paleoclimate reconstruction. <i>Earth and Planetary Science Letters</i> , 2016, 447, 33-47. | 4.4 | 58 |
| 13 | Tectonic and climate controls on Neogene environmental change in the Zhada Basin, southwestern Tibetan Plateau. <i>Geology</i> , 2016, 44, 919-922. | 4.4 | 16 |
| 14 | Distribution of branched GDGTs in surface sediments from the Colville River, Alaska: Implications for the MBT/CBT paleothermometer in Arctic marine sediments. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2016, 121, 1762-1780. | 3.0 | 12 |
| 15 | African hydroclimatic variability during the last 2000 years. <i>Quaternary Science Reviews</i> , 2016, 154, 1-22. | 3.0 | 83 |
| 16 | CO ₂ and fire influence tropical ecosystem stability in response to climate change. <i>Scientific Reports</i> , 2016, 6, 29587. | 3.3 | 24 |
| 17 | Isolation and characterization of a CO ₂ -tolerant <i>Lactobacillus</i> strain from Crystal Geysers, Utah, U.S.A.. <i>Frontiers in Earth Science</i> , 2015, 3, . | 1.8 | 7 |
| 18 | The time-transgressive termination of the African Humid Period. <i>Nature Geoscience</i> , 2015, 8, 140-144. | 12.9 | 344 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Paleoelevation records from lipid biomarkers: Application to the tropical Andes. <i>Bulletin of the Geological Society of America</i> , 2015, 127, 1604-1616. | 3.3 | 42 |
| 20 | Petroleum system modeling in the Eastern Cordillera of Colombia using geochemistry and timing of thrusting and deformation. <i>AAPG Bulletin</i> , 2015, 99, 1537-1556. | 1.5 | 11 |
| 21 | Structural and hydrogeologic evolution of the Putumayo basin and adjacent fold-thrust belt, Colombia. <i>AAPG Bulletin</i> , 2015, 99, 1893-1927. | 1.5 | 10 |
| 22 | The use of $\delta^{13}C$ values of leporid teeth as indicators of past vegetation. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2015, 418, 245-260. | 2.3 | 6 |
| 23 | Sources of local and regional variability in the MBT $\delta^{2}C$ /CBT paleotemperature proxy: Insights from a modern elevation transect across the Eastern Cordillera of Colombia. <i>Organic Geochemistry</i> , 2014, 69, 42-51. | 1.8 | 38 |
| 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. <i>Earth and Planetary Science Letters</i> , 2014, 408, 263-271. | 4.4 | 35 |
| 25 | Insights into Circum-Arctic sea ice variability from molecular geochemistry. <i>Quaternary Science Reviews</i> , 2013, 79, 63-73. | 3.0 | 37 |
| 26 | Temperature sensitivity of branched and isoprenoid GDGTs in Arctic lakes. <i>Organic Geochemistry</i> , 2013, 64, 119-128. | 1.8 | 65 |
| 27 | Environmental controls on the 2H/1H values of terrestrial leaf waxes in the eastern Canadian Arctic. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 119, 286-301. | 3.9 | 31 |
| 28 | Spatial and temporal variability in sedimentological and geochemical properties of sediments from an anoxic crater lake in West Africa: Implications for paleoenvironmental reconstructions. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2013, 374, 96-109. | 2.3 | 21 |
| 29 | Continental-scale temperature variability during the past two millennia. <i>Nature Geoscience</i> , 2013, 6, 339-346. | 12.9 | 954 |
| 30 | Age models for long lacustrine sediment records using multiple dating approaches – An example from Lake Bosumtwi, Ghana. <i>Quaternary Geochronology</i> , 2013, 15, 47-60. | 1.4 | 38 |
| 31 | Temperature variability over Africa during the last 2000 years. <i>Holocene</i> , 2013, 23, 1085-1094. | 1.7 | 81 |
| 32 | Late Quaternary sedimentological and climate changes at Lake Bosumtwi Ghana: New constraints from laminae analysis and radiocarbon age modeling. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2012, 361-362, 49-60. | 2.3 | 30 |
| 33 | Atlantic Forcing of Persistent Drought in West Africa. <i>Science</i> , 2009, 324, 377-380. | 12.6 | 334 |
| 34 | Late Pleistocene paleohydrology near the boundary of the Sonoran and Chihuahuan Deserts, southeastern Arizona, USA. <i>Quaternary Science Reviews</i> , 2009, 28, 286-300. | 3.0 | 60 |
| 35 | An interlaboratory study of TEX ₈₆ and BIT analysis using high-performance liquid chromatography-mass spectrometry. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, . | 2.5 | 52 |
| 36 | The formation of biogeochemical laminations in Lake Bosumtwi, Ghana, and their usefulness as indicators of past environmental changes. <i>Journal of Paleolimnology</i> , 2008, 40, 339-355. | 1.6 | 36 |

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|----|---|-----|-----------|
| 37 | Scanning micro-X-ray fluorescence elemental mapping: A new tool for the study of laminated sediment records. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, . | 2.5 | 26 |
| 38 | Abrupt changes in the water balance of tropical West Africa during the late Quaternary. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 13 |
| 39 | Holocene changes in eastern tropical Pacific climate inferred from a Galápagos lake sediment record. <i>Quaternary Science Reviews</i> , 2008, 27, 1166-1180. | 3.0 | 578 |
| 40 | East African megadroughts between 135 and 75 thousand years ago and bearing on early-modern human origins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 16416-16421. | 7.1 | 369 |
| 41 | Simulating the response of a closed-basin lake to recent climate changes in tropical West Africa (Lake Tj ETQq1 1 0.784314 58 BT /Over | 2.6 | 58 |
| 42 | Paleoclimatic variations in West Africa from a record of late Pleistocene and Holocene lake level stands of Lake Bosumtwi, Ghana. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2006, 242, 287-302. | 2.3 | 130 |
| 43 | Isotopic variability in the aragonite shells of freshwater gastropods living in springs with nearly constant temperature and isotopic composition. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 3949-3966. | 3.9 | 78 |
| 44 | A magnetic mineral record of Late Quaternary tropical climate variability from Lake Bosumtwi, Ghana. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2004, 215, 37-57. | 2.3 | 64 |
| 45 | Chronology of Quaternary glaciations in East Africa. <i>Earth and Planetary Science Letters</i> , 2000, 177, 23-42. | 4.4 | 94 |
| 46 | Alkali diffusion in plagioclase feldspar. <i>Chemical Geology</i> , 1997, 139, 3-20. | 3.3 | 167 |