

# Ulrich Salzmann

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/286257/publications.pdf>

Version: 2024-02-01

80  
papers

5,218  
citations

87843

38  
h-index

95218

68  
g-index

105  
all docs

105  
docs citations

105  
times ranked

5117  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Large-scale features of Pliocene climate: results from the Pliocene Model Intercomparison Project. <i>Climate of the Past</i> , 2013, 9, 191-209.  | 1.3 | 289       |
| 2  | A new global biome reconstruction and data-model comparison for the Middle Pliocene. <i>Global Ecology and Biogeography</i> , 2008, 17, 432-447.   | 2.7 | 275       |
| 3  | Global vegetation dynamics and latitudinal temperature gradients during the Mid to Late Miocene (15.97-5.33Ma). <i>Earth-Science Reviews</i> , 2012, 112, 1-22.  | 4.0 | 266       |
| 4  | Earth system sensitivity inferred from Pliocene modelling and data. <i>Nature Geoscience</i> , 2010, 3, 60-64.   | 5.4 | 230       |
| 5  | The Dahomey Gap: an abrupt climatically induced rain forest fragmentation in West Africa during the late Holocene. <i>Holocene</i> , 2005, 15, 190-199.  | 0.9 | 225       |
| 6  | Pliocene Model Intercomparison Project (PlioMIP): experimental design and boundary conditions (Experiment 1). <i>Geoscientific Model Development</i> , 2010, 3, 227-242.   | 1.3 | 168       |
| 7  | A global synthesis of the marine and terrestrial evidence for glaciation during the Pliocene Epoch. <i>Earth-Science Reviews</i> , 2014, 135, 83-102.  | 4.0 | 159       |
| 8  | A Tortonian (Late Miocene, 11.61-7.25Ma) global vegetation reconstruction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 300, 29-45.  | 1.0 | 149       |
| 9  | The PRISM4 (mid-Piacenzian) paleoenvironmental reconstruction. <i>Climate of the Past</i> , 2016, 12, 1519-1538.   | 1.3 | 143       |
| 10 | Challenges in quantifying Pliocene terrestrial warming revealed by data-model discord. <i>Nature Climate Change</i> , 2013, 3, 969-974.  | 8.1 | 132       |
| 11 | The DeepMIP contribution to PMIP4: methodologies for selection, compilation and analysis of latest Paleocene and early Eocene climate proxy data, incorporating version 0.1 of the DeepMIP database. <i>Geoscientific Model Development</i> , 2019, 12, 3149-3206. | 1.3 | 131       |
| 12 | Climate and environment of a Pliocene warm world. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 309, 1-8.   | 1.0 | 129       |
| 13 | Sea Surface Temperature of the mid-Piacenzian Ocean: A Data-Model Comparison. <i>Scientific Reports</i> , 2013, 3, 2013.   | 1.6 | 124       |
| 14 | Late Quaternary Climate and Vegetation of the Sudanian Zone of Northeast Nigeria. <i>Quaternary Research</i> , 2002, 58, 73-83.  | 1.0 | 123       |
| 15 | The Pliocene Model Intercomparison Project (PlioMIP) Phase 2: scientific objectives and experimental design. <i>Climate of the Past</i> , 2016, 12, 663-675.   | 1.3 | 119       |
| 16 | Palaeoenvironmental changes in the arid and sub arid belt (Sahara-Sahel-Arabian Peninsula) from 150 kyr to present. <i>Developments in Paleoenvironmental Research</i> , 2004, , 219-256.  | 7.5 | 117       |
| 17 | Holocene changes in African vegetation: tradeoff between climate and water availability. <i>Climate of the Past</i> , 2014, 10, 681-686.   | 1.3 | 110       |
| 18 | Sensitivity of Pliocene ice sheets to orbital forcing. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 309, 98-110.   | 1.0 | 106       |

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 19 | Heterogeneity in global vegetation and terrestrial climate change during the late Eocene to early Oligocene transition. <i>Scientific Reports</i> , 2017, 7, 43386.   | 1.6  | 104       |
| 20 | Plant migration and plant communities at the time of the "green Sahara". <i>Comptes Rendus - Geoscience</i> , 2009, 341, .  | 0.4  | 103       |
| 21 | On the causes of mid-Pliocene warmth and polar amplification. <i>Earth and Planetary Science Letters</i> , 2012, 321-322, 128-138.  | 1.8  | 97        |
| 22 | Reorganization of Southern Ocean Plankton Ecosystem at the Onset of Antarctic Glaciation. <i>Science</i> , 2013, 340, 341-344.  | 6.0  | 97        |
| 23 | Information from Paleoclimate Archives. , 2014, , 383-464.  |      | 95        |
| 24 | The DeepMIP contribution to PMIP4: experimental design for model simulations of the EECO, PETM, and pre-PETM (version 1.0). <i>Geoscientific Model Development</i> , 2017, 10, 889-901.   | 1.3  | 90        |
| 25 | The Eocene–Oligocene transition: a review of marine and terrestrial proxy data, models and model–data comparisons. <i>Climate of the Past</i> , 2021, 17, 269-315.  | 1.3  | 90        |
| 26 | African pollen database inventory of tree and shrub pollen types. <i>Review of Palaeobotany and Palynology</i> , 2007, 145, 135-141.  | 0.8  | 85        |
| 27 | Comparison of mid-Pliocene climate predictions produced by the HadAM3 and GCMAM3 General Circulation Models. <i>Global and Planetary Change</i> , 2009, 66, 208-224.  | 1.6  | 83        |
| 28 | The Holocene vegetational history of the Nigerian Sahel based on multiple pollen profiles. <i>Review of Palaeobotany and Palynology</i> , 1998, 100, 39-72.   | 0.8  | 81        |
| 29 | Southern Ocean warming and Wilkes Land ice sheet retreat during the mid-Miocene. <i>Nature Communications</i> , 2018, 9, 317.   | 5.8  | 80        |
| 30 | The past is a guide to the future? Comparing Middle Pliocene vegetation with predicted biome distributions for the twenty-first century. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 189-204. | 1.6  | 78        |
| 31 | Are modern savannas degraded forests? A Holocene pollen record from the Sudanian vegetation zone of NE Nigeria. <i>Vegetation History and Archaeobotany</i> , 2000, 9, 1-15.  | 1.0  | 71        |
| 32 | On the identification of a Pliocene time slice for data–model comparison. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20120515.   | 1.6  | 69        |
| 33 | Temperate rainforests near the South Pole during peak Cretaceous warmth. <i>Nature</i> , 2020, 580, 81-86.  | 13.7 | 69        |
| 34 | Five thousand years of tropical lake sediment DNA records from Benin. <i>Quaternary Science Reviews</i> , 2017, 170, 203-211.   | 1.4  | 60        |
| 35 | Comment on "Intensifying Weathering and Land Use in Iron Age Central Africa". <i>Science</i> , 2012, 337, 1040-1040.  | 6.0  | 50        |
| 36 | Late Pliocene lakes and soils: a global data set for the analysis of climate feedbacks in a warmer world. <i>Climate of the Past</i> , 2014, 10, 167-180.   | 1.3  | 49        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 37 | Alpine permafrost could account for a quarter of thawed carbon based on Plio-Pleistocene palaeoclimate analogue. <i>Nature Communications</i> , 2022, 13, 1329.   | 5.8 | 49        |
| 38 | What can Palaeoclimate Modelling do for you?. <i>Earth Systems and Environment</i> , 2019, 3, 1-18.   | 3.0 | 47        |
| 39 | The relative roles of CO <sub>2</sub> and palaeogeography in determining late Miocene climate: results from a terrestrial model-data comparison. <i>Climate of the Past</i> , 2012, 8, 1257-1285.                                     | 1.3 | 45        |
| 40 | El Niño-Southern Oscillation, Pliocene climate and equifinality. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009, 367, 127-156.   | 1.6 | 44        |
| 41 | Changes in Holocene climate and the intensity of Southern Hemisphere Westerly Winds based on a high-resolution palynological record from sub-Antarctic South Georgia. <i>Holocene</i> , 2015, 25, 263-279.                            | 0.9 | 42        |
| 42 | Paleoceanography and ice sheet variability offshore Wilkes Land, Antarctica – Part 1: Insights from late Oligocene astronomically paced contourite sedimentation. <i>Climate of the Past</i> , 2018, 14, 991-1014.                    | 1.3 | 40        |
| 43 | Pliocene aridification of Australia caused by tectonically induced weakening of the Indonesian throughflow. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 309, 111-117.  | 1.0 | 39        |
| 44 | A methodology for targeting palaeo proxy data acquisition: A case study for the terrestrial late Miocene. <i>Earth and Planetary Science Letters</i> , 2008, 271, 53-62.  | 1.8 | 36        |
| 45 | Periodic input of dust over the Eastern Carpathians during the Holocene linked with Saharan desertification and human impact. <i>Climate of the Past</i> , 2017, 13, 897-917.   | 1.3 | 36        |
| 46 | Diversification, Intensification and Specialization: Changing Land Use in Western Africa from 1800 BC to AD 1500. <i>Journal of World Prehistory</i> , 2019, 32, 179-228.   | 1.1 | 34        |
| 47 | Neogene glacial debris flows on James Ross Island, northern Antarctic Peninsula, and their implications for regional climate history. <i>Quaternary Science Reviews</i> , 2009, 28, 3138-3160.  | 1.4 | 30        |
| 48 | Late Pliocene vegetation turnover on the NE Tibetan Plateau (Central Asia) triggered by early Northern Hemisphere glaciation. <i>Global and Planetary Change</i> , 2019, 180, 117-125.  | 1.6 | 28        |
| 49 | Climate variability and long-term expansion of peatlands in Arctic Norway during the late Pliocene (ODP Site 642, Norwegian Sea). <i>Climate of the Past</i> , 2016, 12, 1043-1060.   | 1.3 | 24        |
| 50 | Sebkhas as ecological archives and the vegetation and landscape history of southeastern Tunisia during the last two millennia. <i>Journal of African Earth Sciences</i> , 2002, 34, 223-229.  | 0.9 | 21        |
| 51 | Detrital events and hydroclimate variability in the Romanian Carpathians during the mid-to-late Holocene. <i>Quaternary Science Reviews</i> , 2017, 167, 78-95.   | 1.4 | 21        |
| 52 | How likely was a green Antarctic Peninsula during warm Pliocene interglacials? A critical reassessment based on new palynofloras from James Ross Island. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 309, 73-82. | 1.0 | 19        |
| 53 | Pliocene climate variability: Northern Annular Mode in models and tree-ring data. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011, 309, 118-127.  | 1.0 | 18        |
| 54 | Continental climate gradients in North America and Western Eurasia before and after the closure of the Central American Seaway. <i>Earth and Planetary Science Letters</i> , 2017, 472, 120-130.                                      | 1.8 | 16        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 55 | A late Holocene palaeoenvironmental "snapshot" of the Angamma Delta, Lake Megachad at the end of the African Humid Period. <i>Quaternary Science Reviews</i> , 2018, 202, 182-196.                      | 1.4 | 15        |
| 56 | A new quantitative approach to identify reworking in Eocene to Miocene pollen records from offshore Antarctica using red fluorescence and digital imaging. <i>Biogeosciences</i> , 2017, 14, 2089-2100. | 1.3 | 14        |
| 57 | Palynological evidence for a warmer boreal climate in the Late Pliocene of the Yukon Territory, Canada. <i>Palynology</i> , 2015, 39, 91-102.   | 0.7 | 13        |
| 58 | Artisanal Fishery of the Mangrove Crab <i>Ucides cordatus</i> (Ucididae) and First Steps Toward a Successful Co-Management in Bragança, North Brazil. <i>Ecological Studies</i> , 2010, , 287-297.      | 0.4 | 11        |
| 59 | Vegetation change across the Drake Passage region linked to late Eocene cooling and glacial disturbance after the Eocene-Oligocene transition. <i>Climate of the Past</i> , 2022, 18, 209-232.          | 1.3 | 11        |
| 60 | Can uncertainties in sea ice albedo reconcile patterns of data-model discord for the Pliocene and 20th/21st centuries?. <i>Geophysical Research Letters</i> , 2014, 41, 2011-2018.                      | 1.5 | 9         |
| 61 | Joint insolation and ice sheet/CO2 forcing on northern China precipitation during Pliocene warmth. <i>Science Bulletin</i> , 2021, 66, 319-322.   | 4.3 | 9         |
| 62 | Eocene-Oligocene paleoenvironmental changes in the South Orkney Microcontinent (Antarctica) linked to the opening of Powell Basin. <i>Global and Planetary Change</i> , 2021, 204, 103581.              | 1.6 | 8         |
| 63 | Orbital, tectonic and oceanographic controls on Pliocene climate and atmospheric circulation in Arctic Norway. <i>Global and Planetary Change</i> , 2018, 161, 183-193.                                 | 1.6 | 7         |
| 64 | The Lake CHAD Deep DRILLing project (CHADRILL) "targeting ~1/4 of 10 million years of environmental and climate change in Africa. <i>Scientific Drilling</i> , 0, 24, 71-78.                            | 1.0 | 7         |
| 65 | Eocene to Oligocene vegetation and climate in the Tasmanian Gateway region were controlled by changes in ocean currents and CO <sub>2</sub> . <i>Climate of the Past</i> , 2022, 18, 525-546.           | 1.3 | 6         |
| 66 | The warm winter paradox in the Pliocene northern high latitudes. <i>Climate of the Past</i> , 2022, 18, 1385-1405.  | 1.3 | 6         |
| 67 | Multi-variate factorisation of numerical simulations. <i>Geoscientific Model Development</i> , 2021, 14, 4307-4317.   | 1.3 | 5         |
| 68 | Mid-Piacenzian Variability of Nordic Seas Surface Circulation Linked to Terrestrial Climatic Change in Norway. <i>Paleoceanography</i> , 2017, 32, 1336-1351.   | 3.0 | 4         |
| 69 | A new global biome reconstruction and data-model comparison for the Middle Pliocene. <i>Global Ecology and Biogeography</i> , 2008, , .   | 2.7 | 3         |
| 70 | Controls of precipitation and vegetation variability on the NE Tibetan Plateau during the late Pliocene warmth (~3.5-3.0 Ma). <i>Global and Planetary Change</i> , 2022, 208, 103707.                   | 1.6 | 3         |
| 71 | Deep water inflow slowed offshore expansion of the West Antarctic Ice Sheet at the Eocene-Oligocene transition. <i>Communications Earth &amp; Environment</i> , 2022, 3, .                              | 2.6 | 3         |
| 72 | African Hydroclimate During the Early Eocene From the DeepMIP Simulations. <i>Paleoceanography and Paleoclimatology</i> , 2022, 37, .   | 1.3 | 3         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 73 | Corrigendum to "The relative roles of CO <sub>2</sub> and palaeogeography in determining late Miocene climate: results from a terrestrial model-data comparison" published in <i>Clim. Past</i> , 8, 1257-1285, 2012. <i>Climate of the Past</i> , 2012, 8, 1301-1307.                                | 1.3 | 2         |
| 74 | Corrigendum to "The relative roles of CO <sub>2</sub> and palaeogeography in determining late Miocene climate: results from a terrestrial model-data comparison" published in <i>Clim. Past</i> , 8, 1257-1285, 2012. <i>Climate of the Past</i> , 2014, 10, 199-206.                                 | 1.3 | 1         |
| 75 | The Mangrove Information System MAIS: Managing and Integrating Interdisciplinary Research Data. <i>Ecological Studies</i> , 2010, , 355-364.  | 0.4 | 1         |
| 76 | Pliocene climate variability over glacial-interglacial timescales (PlioVAR) working group. <i>Past Global Change Magazine</i> , 2015, 23, 82-82.  | 0.4 | 1         |
| 77 | Triumph and Fall of the Wet, Warm, and Never-More-Diverse Temperate Forests (Oligocene-Pliocene). <i>Springer Textbooks in Earth Sciences, Geography and Environment</i> , 2020, , 55-81.   | 0.1 | 1         |
| 78 | Die westafrikanische Savanne - eine Zeitreise durch 20.000 Jahre. , 2005, , 39-68.  |     | 0         |
| 79 | Deep-Time Perspectives on Climate Change: Marrying the Signal from Computer Models and Biological Proxies Edited by M. Williams, A.M. Haywood, F.J. Gregory & D.N. Schmidt <i>The Geological Society</i> , 2007. ISBN 1-86239-240-4, £95 (fellows £57). <i>Antarctic Science</i> , 2008, 20, 609-610. | 0.5 | 0         |
| 80 | Lessons of the mid-Pliocene: Planet Earth's last interval of greater global warmth. <i>IOP Conference Series: Earth and Environmental Science</i> , 2009, 6, 072003.  | 0.2 | 0         |