

# Ulrich Salzmann

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

81  
papers

3,969  
citations

34  
h-index

62  
g-index

105  
ext. papers

4,623  
ext. citations

6  
avg, IF

5.25  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 81 | Large-scale features of Pliocene climate: results from the Pliocene Model Intercomparison Project. <i>Climate of the Past</i> , <b>2013</b> , 9, 191-209                                       | 3.9  | 237       |
| 80 | A new global biome reconstruction and data-model comparison for the Middle Pliocene. <i>Global Ecology and Biogeography</i> , <b>2008</b> , 17, 432-447  | 6.1  | 229       |
| 79 | Earth system sensitivity inferred from Pliocene modelling and data. <i>Nature Geoscience</i> , <b>2010</b> , 3, 60-64  | 18.3 | 199       |
| 78 | Global vegetation dynamics and latitudinal temperature gradients during the Mid to Late Miocene (15.978-3.33Ma). <i>Earth-Science Reviews</i> , <b>2012</b> , 112, 1-22                        | 10.2 | 198       |
| 77 | The Dahomey Gap: an abrupt climatically induced rain forest fragmentation in West Africa during the late Holocene. <i>Holocene</i> , <b>2005</b> , 15, 190-199                                 | 2.6  | 184       |
| 76 | Pliocene Model Intercomparison Project (PlioMIP): experimental design and boundary conditions (Experiment 1). <i>Geoscientific Model Development</i> , <b>2010</b> , 3, 227-242                | 6.3  | 144       |
| 75 | A global synthesis of the marine and terrestrial evidence for glaciation during the Pliocene Epoch. <i>Earth-Science Reviews</i> , <b>2014</b> , 135, 83-102                                   | 10.2 | 127       |
| 74 | A Tortonian (Late Miocene, 11.617-2.5Ma) global vegetation reconstruction. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2011</b> , 300, 29-45                                 | 2.9  | 121       |
| 73 | Late Quaternary Climate and Vegetation of the Sudanian Zone of Northeast Nigeria. <i>Quaternary Research</i> , <b>2002</b> , 58, 73-83   | 1.9  | 111       |
| 72 | Challenges in quantifying Pliocene terrestrial warming revealed by data-model discord. <i>Nature Climate Change</i> , <b>2013</b> , 3, 969-974   | 21.4 | 110       |
| 71 | Sea surface temperature of the mid-Piacenzian ocean: a data-model comparison. <i>Scientific Reports</i> , <b>2013</b> , 3, 2013  | 4.9  | 108       |
| 70 | Climate and environment of a Pliocene warm world. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2011</b> , 309, 1-8  | 2.9  | 98        |
| 69 | The PRISM4 (mid-Piacenzian) paleoenvironmental reconstruction. <i>Climate of the Past</i> , <b>2016</b> , 12, 1519-1538  | 3.9  | 95        |
| 68 | Sensitivity of Pliocene ice sheets to orbital forcing. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2011</b> , 309, 98-110  | 2.9  | 91        |
| 67 | The Pliocene Model Intercomparison Project (PlioMIP) Phase 2: scientific objectives and experimental design. <i>Climate of the Past</i> , <b>2016</b> , 12, 663-675                            | 3.9  | 90        |
| 66 | Palaeoenvironmental changes in the arid and sub arid belt (Sahara-Sahel-Arabian Peninsula) from 150 kyr to present. <i>Developments in Paleoenvironmental Research</i> , <b>2004</b> , 219-256 |      | 89        |
| 65 | On the causes of mid-Pliocene warmth and polar amplification. <i>Earth and Planetary Science Letters</i> , <b>2012</b> , 321-322, 128-138  | 5.3  | 86        |

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|----|---|------|----|
| 64 | Plant migration and plant communities at the time of the green Sahara <i>Comptes Rendus - Geoscience</i> , <b>2009</b> , 341, 656-670   | 1.4  | 83 |
| 63 | Reorganization of Southern Ocean plankton ecosystem at the onset of Antarctic glaciation. <i>Science</i> , <b>2013</b> , 340, 341-4   | 33.3 | 79 |
| 62 | African pollen database inventory of tree and shrub pollen types. <i>Review of Palaeobotany and Palynology</i> , <b>2007</b> , 145, 135-141   | 1.7  | 79 |
| 61 | 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> , <b>2019</b> , 12, 3149-3206 | 6.3  | 78 |
| 60 | Holocene changes in African vegetation: tradeoff between climate and water availability. <i>Climate of the Past</i> , <b>2014</b> , 10, 681-686   | 3.9  | 75 |
| 59 | Heterogeneity in global vegetation and terrestrial climate change during the late Eocene to early Oligocene transition. <i>Scientific Reports</i> , <b>2017</b> , 7, 43386  | 4.9  | 73 |
| 58 | 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> , <b>2009</b> , 367, 189-204        | 3    | 72 |
| 57 | Comparison of mid-Pliocene climate predictions produced by the HadAM3 and GCMAM3 General Circulation Models. <i>Global and Planetary Change</i> , <b>2009</b> , 66, 208-224   | 4.2  | 72 |
| 56 | The Holocene vegetational history of the Nigerian Sahel based on multiple pollen profiles. <i>Review of Palaeobotany and Palynology</i> , <b>1998</b> , 100, 39-72  | 1.7  | 70 |
| 55 | 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> , <b>2017</b> , 10, 889-901  | 6.3  | 62 |
| 54 | Are modern savannas degraded forests?-A Holocene pollen record from the Sudanian vegetation zone of NE Nigeria. <i>Vegetation History and Archaeobotany</i> , <b>2000</b> , 9, 1-15   | 2.6  | 61 |
| 53 | Information from Paleoclimate Archives 383-464  |      | 60 |
| 52 | On the identification of a Pliocene time slice for data-model comparison. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2013</b> , 371, 20120515  | 3    | 58 |
| 51 | Southern Ocean warming and Wilkes Land ice sheet retreat during the mid-Miocene. <i>Nature Communications</i> , <b>2018</b> , 9, 317  | 17.4 | 56 |
| 50 | Comment on "Intensifying weathering and land use in Iron Age Central Africa". <i>Science</i> , <b>2012</b> , 337, 1040; author reply 1040   | 33.3 | 45 |
| 49 | El Niño-Southern Oscillation, Pliocene climate and equifinality. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2009</b> , 367, 127-56   | 3    | 42 |
| 48 | 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> , <b>2014</b> , 10, 167-180  | 3.9  | 40 |
| 47 | 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> , <b>2012</b> , 8, 1257-1285  | 3.9  | 33 |

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| 46 | A methodology for targeting palaeo proxy data acquisition: A case study for the terrestrial late Miocene. <i>Earth and Planetary Science Letters</i> , <b>2008</b> , 271, 53-62  | 5.3  | 33 |
| 45 | 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> , <b>2015</b> , 25, 263-279                            | 2.6  | 30 |
| 44 | Temperate rainforests near the South Pole during peak Cretaceous warmth. <i>Nature</i> , <b>2020</b> , 580, 81-86  | 50.4 | 30 |
| 43 | Periodic input of dust over the Eastern Carpathians during the Holocene linked with Saharan desertification and human impact. <i>Climate of the Past</i> , <b>2017</b> , 13, 897-917   | 3.9  | 28 |
| 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> , <b>2018</b> , 14, 991-1014                     | 3.9  | 28 |
| 41 | Pliocene aridification of Australia caused by tectonically induced weakening of the Indonesian throughflow. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2011</b> , 309, 111-117  | 2.9  | 26 |
| 40 | Neogene glacial debris flows on James Ross Island, northern Antarctic Peninsula, and their implications for regional climate history. <i>Quaternary Science Reviews</i> , <b>2009</b> , 28, 3138-3160  | 3.9  | 26 |
| 39 | The Eocene-Oligocene transition: a review of marine and terrestrial proxy data, models and model-data comparisons. <i>Climate of the Past</i> , <b>2021</b> , 17, 269-315  | 3.9  | 26 |
| 38 | What can Palaeoclimate Modelling do for you?. <i>Earth Systems and Environment</i> , <b>2019</b> , 3, 1-18   | 7.5  | 23 |
| 37 | 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> , <b>2016</b> , 12, 1043-1060   | 3.9  | 20 |
| 36 | Diversification, Intensification and Specialization: Changing Land Use in Western Africa from 1800 BC to AD 1500. <i>Journal of World Prehistory</i> , <b>2019</b> , 32, 179-228   | 3.5  | 19 |
| 35 | Five thousand years of tropical lake sediment DNA records from Benin. <i>Quaternary Science Reviews</i> , <b>2017</b> , 170, 203-211   | 3.9  | 18 |
| 34 | Detrital events and hydroclimate variability in the Romanian Carpathians during the mid-to-late Holocene. <i>Quaternary Science Reviews</i> , <b>2017</b> , 167, 78-95   | 3.9  | 17 |
| 33 | Pliocene climate variability: Northern Annular Mode in models and tree-ring data. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , <b>2011</b> , 309, 118-127  | 2.9  | 17 |
| 32 | 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> , <b>2002</b> , 34, 223-229  | 2.2  | 17 |
| 31 | 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> , <b>2011</b> , 309, 73-82 | 2.9  | 16 |
| 30 | Late Pliocene vegetation turnover on the NE Tibetan Plateau (Central Asia) triggered by early Northern Hemisphere glaciation. <i>Global and Planetary Change</i> , <b>2019</b> , 180, 117-125  | 4.2  | 13 |
| 29 | The relative roles of CO <sub>2</sub> and palaeogeography in determining Late Miocene climate: results from a terrestrial model-data comparison  |      | 13 |

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|----|---|------|----|
| 28 | Palynological evidence for a warmer boreal climate in the Late Pliocene of the Yukon Territory, Canada. <i>Palynology</i> , <b>2015</b> , 39, 91-102  | 1.5  | 12 |
| 27 | 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> , <b>2017</b> , 14, 2089-2100  | 4.6  | 12 |
| 26 | 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> , <b>2017</b> , 472, 120-130   | 5.3  | 11 |
| 25 | 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> , <b>2010</b> , 287-297   | 1.1  | 10 |
| 24 | Can uncertainties in sea ice albedo reconcile patterns of data-model discord for the Pliocene and 20th/21st centuries?. <i>Geophysical Research Letters</i> , <b>2014</b> , 41, 2011-2018   | 4.9  | 9  |
| 23 | A late Holocene palaeoenvironmental snapshot of the Angamma Delta, Lake Megachad at the end of the African Humid Period. <i>Quaternary Science Reviews</i> , <b>2018</b> , 202, 182-196   | 3.9  | 7  |
| 22 | Pliocene Model Intercomparison (PlioMIP) Phase 2: scientific objectives and experimental design   |      | 5  |
| 21 | Eocene-Oligocene paleoenvironmental changes in the South Orkney Microcontinent (Antarctica) linked to the opening of Powell Basin. <i>Global and Planetary Change</i> , <b>2021</b> , 204, 103581   | 4.2  | 5  |
| 20 | Orbital, tectonic and oceanographic controls on Pliocene climate and atmospheric circulation in Arctic Norway. <i>Global and Planetary Change</i> , <b>2018</b> , 161, 183-193  | 4.2  | 4  |
| 19 | Mid-Piacenzian Variability of Nordic Seas Surface Circulation Linked to Terrestrial Climatic Change in Norway. <i>Paleoceanography</i> , <b>2017</b> , 32, 1336-1351  |      | 4  |
| 18 | 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> , <b>2022</b> , 18, 209-232   | 3.9  | 4  |
| 17 | Joint insolation and ice sheet/CO <sub>2</sub> forcing on northern China precipitation during Pliocene warmth. <i>Science Bulletin</i> , <b>2021</b> , 66, 319-322  | 10.6 | 4  |
| 16 | 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 <b>2019</b> ,   |      | 2  |
| 15 | 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> , <b>2012</b> , 8, 1301-1307 | 3.9  | 2  |
| 14 | A new global biome reconstruction and data-model comparison for the Middle Pliocene. <i>Global Ecology and Biogeography</i> , <b>2008</b> ,   | 6.1  | 2  |
| 13 | Climate variability and long-term expansion of peat lands in Arctic Norway during the late Pliocene (ODP Site 642, Norwegian Sea)   |      | 2  |
| 12 | Late Pliocene lakes and soils: a data-model comparison for the analysis of climate feedbacks in a warmer world  |      | 2  |
| 11 | Pliocene Model Intercomparison Project (PlioMIP): experimental design and boundary conditions (Experiment 1)  |      | 2  |

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| 10 | Eocene to Oligocene vegetation and climate in the Tasmanian Gateway region controlled by changes in ocean currents and pCO <sub>2</sub> ;   |      | 2 |
| 9  | Eocene to Oligocene vegetation and climate in the Tasmanian Gateway region were controlled by changes in ocean currents and pCO <sub>2</sub> . <i>Climate of the Past</i> , <b>2022</b> , 18, 525-546 | 3.9  | 2 |
| 8  | Alpine permafrost could account for a quarter of thawed carbon based on Plio-Pleistocene paleoclimate analogue.. <i>Nature Communications</i> , <b>2022</b> , 13, 1329                                | 17.4 | 2 |
| 7  | The Lake CHAd Deep DRILLing project (CHADRILL) [targeting ~ 10 million years of environmental and climate change in Africa. <i>Scientific Drilling</i> , <b>2021</b> , 24, 71-78                      |      | 1 |
| 6  | The Mangrove Information System MAIS: Managing and Integrating Interdisciplinary Research Data. <i>Ecological Studies</i> , <b>2010</b> , 355-364   | 1.1  | 1 |
| 5  | Multi-variate factorisation of numerical simulations. <i>Geoscientific Model Development</i> , <b>2021</b> , 14, 4307-4317  | 1.7  | 1 |
| 4  | 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> , <b>2020</b> , 55-81        | 0.5  | 0 |
| 3  | Controls of precipitation and vegetation variability on the NE Tibetan Plateau during the late Pliocene warmth (~3.5B.0Ma). <i>Global and Planetary Change</i> , <b>2022</b> , 208, 103707            | 4.2  | 0 |
| 2  | Lessons of the mid-Pliocene: Planet Earth's last interval of greater global warmth. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2009</b> , 6, 072003                           | 0.3  |   |
| 1  | Die westafrikanische Savanne [eine Zeitreise durch 20 000 Jahre <b>2005</b> , 39-68   |      |   |