

Publications (peer review)

2023

Urban, B., **T. Kasper**, K. J. Krahn, T. v. Kolfshoten, B. Rech, M. Holzheu, M. Tucci, A. Schwalb (2023): Landscape dynamics and chronological refinement of the Middle Pleistocene Reinsdorf Sequence of Schöningen, NW Germany. *Quaternary Research*, doi:10.1017/qua.2022.65.

2022

Reinhard, A. L., **T. Kasper**, M. Lochner, T. Haberzettl, L. Shumilovskikh, J.-J. Rahobisoa, C. Favier, H. Behling, L. Bremond, G. Daut, V. Montade (2022): Late Holocene forest fragmentation related to local fire intensification – human impact and environmental dynamics on Nosy Be Island, Madagascar. *Frontiers in Ecology and Evolution. Sec. Paleoecology*. doi: 10.3389/fevo.2021.783770 [shared first authorship].

2021

Haberzettl, T., **T. Kasper**, J.S. Stoner, J.J. Rahobisoa, G. Daut (2021): Extending and refining the paleomagnetic secular variation database for south-eastern Africa (Madagascar) to 2500 cal BP. *Earth and Planetary Science Letters* 565, 116931.

Hein, M., B. Urban, D. Tanner, H. Buness, M. Tucci, P. Hoelzmann, S. Dietel, M. Kaniecki, J. Schultz, **T. Kasper**, H. v. Suchodoletz, M. Weiss, A. Schwalb, T. Lauer (2021): Eemian landscape response to climatic shifts and evidence for northerly Neanderthal occupation at a palaeolake margin in Northern Germany. *Earth Surface Processes and Landforms*. doi: 10.1002/esp.5219.

Kasper, T., J. Wang, A. Schwalb, G. Daut, B. Plessen, L. Zhu, R. Mäusbacher, T. Haberzettl (2021): Precipitation dynamics on the Tibetan Plateau during the Late Quaternary – hydroclimatic sedimentary proxies versus lake level variability. *Global and Planetary Change* 205, doi:10.1016/j.gloplacha.2021.103594

Teixeira, H., V. Montade, J. Salmona, J. Metzger, L. Bremond, **T. Kasper**, G. Daut, S. Rouland, S. Ranarilalana, R. Rakotondravony, L. Chikhi, H. Behling, U. Radespiel (2021): Past environmental changes affected lemur population dynamics prior to human impact in Madagascar. *Nature Communications - Biology* 4, 1084. doi.org/10.1038/s42003-021-02620-1

2020

du Plessis, N., Chase, B. M. Chase, L. J. Quick, T. Haberzettl, **T. Kasper**, M. E. Meadows (2020): Vegetation and climate change during the Medieval Climate Anomaly and the Little Ice Age on the southern Cape coast of South Africa: Pollen evidence from Bo Langvlei. *The Holocene*, doi:10.1177/0959683620950444.

Kirsten, K., **T. Kasper**, H. Cawthra, P. Strobel, L. Quick, M. Meadows, T. Haberzettl (2020): Holocene variability in climate and oceanic conditions in the winter rainfall zone of South Africa—Inferred from a high resolution diatom record from Verlorenvlei. *Journal of Quaternary Science*, <https://doi.org/10.1002/jqs.3200>.

Ma, Q., L. Zhu, J. Wang, J. Ju, Y. Wang, X. Lü, **T. Kasper**, T. Haberzettl (2020): Late Holocene vegetation responses to climate change and human impact on the central Tibetan Plateau. *Science of The Total Environment* 708, 135370.

2019

Haberzettl, T., K. L. Kirsten, **T. Kasper**, S. Franz, B. Reinwarth, J. Baade, G. Daut, M. Meadows, Y. Su, R. Mäusbacher (accepted): Using ^{210}Pb -data and paleomagnetic secular variations to date anthropogenic impact on a lake system in the Western Cape, South Africa. *Quaternary Geochronology* <https://doi.org/10.1016/j.quageo.2018.12.004>.

Ma, Q., Z. Liping, X. Lü, J. Wang, J. Ju, **T. Kasper**, G. Daut, T. Haberzettl (accepted): Late glacial and Holocene vegetation and climate variations at Lake Tangra Yumco, central Tibetan Plateau. *Global and Planetary Change* <https://doi.org/10.1016/j.gloplacha.2019.01.004>.

Strobel, P., **T. Kasper**, P. Frenzel, K. Schittek, L.J. Quick, M.E. Meadows, R. Mäusbacher, T. Haberzettl (2019): Late Quaternary palaeoenvironmental change in the year-round rainfall zone of South Africa derived from peat sediments from Vankervelsvlei. *Quaternary Science Reviews* 218, 200-214.

2018

Alivernini, M., L.G. Akita, M. Ahlborn, N. Börner, T. Haberzettl, **T. Kasper**, B. Plessen, P. Peng, A. Schwalb, J. Wang, P. Frenzel (2018): Ostracod-based reconstruction of Late Quaternary lake level changes within the Tangra Yumco lake system (Southern Tibetan Plateau). *Journal of Quaternary Science* 33(6), 713-720.

Kirsten, K., J. Fell, P. Frenzel, S. Meschner, **T. Kasper**, M. Wündsche, M. Meadows, T. Haberzettl (2018): The spatial heterogeneity of micro- and meio-organisms and their significance in understanding coastal system dynamics. *Estuarine, Coastal and Shelf Science* 213, 98-107.

Wündsche, M., T. Haberzettl, M. Meadows, M. Zabel, G. Daut, H. Cawthra, **T. Kasper**, K. Kirsten, L. Quick, P. Frenzel, J. Baade, R. Mäusbacher (2018): Holocene environmental change along the southern Cape coast of South Africa –Insights from the Eilandvlei sediment record spanning the last 8.9 kyr. *Global and Planetary Change* 163, 51-66.

2017

Ahlborn, M., T. Haberzettl, J. Wang, K. Henkel, **T. Kasper**, G. Daut, L. Zhu, R. Mäusbacher (2017): Synchronous pattern of moisture availability on the southern Tibetan Plateau since 17.5 cal. ka BP –the Tangra Yumco lake sediment record. *Boreas* 46, 229-241.

Ma, Q., L. Zhu, J. Wang, J. Ju, X.Lü, Y.Wang, Y.Guo, R.Yang, **T. Kasper**, T. Haberzettl, L. Tang (2017): Artemisia/Chenopodiaceae ratio from surface lake sediments on the central and western Tibetan Plateau and its application. *Palaeogeography, Palaeoclimatology, Palaeoecology* 479, 138-145.

Wang, J., L. Zhu, Y. Wang, P. Peng, Q. Ma, T. Haberzettl, **T. Kasper**, T. Matsunaka, T. Nakamura (2017): Variability of the 14C reservoir effects in lake Tangra Yumco, Central Tibet (China), determined from recent sedimentation rates and dating of plant fossils. *Quaternary International* 430, 3-11.

2016

Sprafke, J., **T. Kasper**, T. Haberzettl (2016): Der Frau-Holle-Teich als Zeuge des Braunkohleabbaus am Hohen Meissner. *Hessische Heimat* 66(2/3), 59-61.

Witt, R., F. Günther, S. Lauterbach, **T. Kasper**, R. Mäusbacher, T. Yao, G. Gleixner (2016): Biogeochemical evidence for freshwater periods during the Last Glacial Maximum recorded in lake sediments from Nam Co, southern-central Tibetan Plateau. *Journal of Paleolimnology* 55, 67-82.

Wündsche, M., T. Haberzettl, K. Kirsten, **T. Kasper**, M. Zabel, E. Dietze, J. Baade, G. Daut, S. Meschner, M. Meadows, R. Mäusbacher (2016): Sea level and climate change at the southern Cape coast, South Africa, during the past 4.2 kyr. *Palaeogeography, Palaeoclimatology, Palaeoecology* 446, 295-307.

Wündsche, M., T. Haberzettl, M. Meadows, K. Kirsten, **T. Kasper**, J. Baade, G. Daut, J. Stoner, R. Mäusbacher (2016): The impact of changing reservoir effects on a 14C chronology for a Holocene sediment record from South Africa. *Quaternary Geochronology* 36, 148-160.

2015

Akita, L. G., P. Frenzel, T. Haberzettl, **T. Kasper**, J. Wang, Klaus Reicherter (2015): Lacustrine Ostracoda (Crustacea) as indicators of subaqueous sediment movements — A case study from a large brackish lake, Tangra Yumco, south- central Tibetan Plateau, China. *Paleogeography, Paleoclimatology, Paleoecology* 419, 60-74. doi:10.1016/j.palaeo.2014.08.003

- Haberzettl, T., K. Henkel, **T. Kasper**, M. Ahlborn, Y. Su, J. Wang, E. Appel, G. St-Onge, J. Stoner, G. Daut, L. Zhu, R. Mäusbacher (2015): Independently dated paleomagnetic secular variation records from the Tibetan Plateau. *Earth and Planetary Science Letters*. 416, 98-108.
- Kasper, T.**, T. Haberzettl, J. Wang, G. Daut, S. Doberschütz, L. Zhu, R. Mäusbacher (2015): Hydrological variations on the Central Tibetan Plateau since the LGM and their teleconnection to inter-regional and hemispheric climate variations. *Journal of Quaternary Science* 30 (1), 70-78.
- Long, H., T. Haberzettl, S. Tsukamoto, J. Shen, **T. Kasper**, G. Daut, L. Zhu, R. Mäusbacher, M. Frechen (2015): Luminescence dating of lacustrine sediments from Tangra Yumco (southern Tibetan Plateau) using post-IR IRSL (pIRIR) signals from polymineral grains. *BOREAS* 44, 139-152.
- Wang, J., L. Zhu, Y. Wang, P. Peng, Q. Ma, T. Haberzettl, **T. Kasper**, T. Matsunaka, T. Nakamura (2015): Variability of the ^{14}C reservoir effects in lake Tangra Yumco, Central Tibet (China), determined from recent sedimentation rates and dating of plant fossils. *Quaternary International*, doi:10.1016/j.quaint.2015.10.084.
- Zhu, L., X. Lü, J., Wang, P. Peng, **T. Kasper**, G. Daut, T. Haberzettl, P. Frenzel, Q. Li, R. Yang, A. Schwalb, R. Mäusbacher (2015): Climate change on the Tibetan Plateau in response to shifting atmospheric circulation since the LGM. *Nature – Scientific Reports* 5:13318.

2014

- Dietze, E., F. Maussion, M. Ahlborn, B. Diekmann, K. Hartmann, K. Henkel, **T. Kasper**, G. Lockett, S. Opitz, T. Haberzettl (2014): Sediment transport processes across the Tibetan Plateau inferred from robust grain size end-members in lake sediments. *Climate of the Past* 10, 91–106.
- Doberschütz, S., P. Frenzel, T. Haberzettl, **T. Kasper**, J. Wang, L. Zhu, G. Daut, A. Schwalb, R. Mäusbacher (2014): Monsoonal forcing of Holocene paleoenvironmental change on the central Tibetan Plateau inferred using a sediment record from Lake Nam Co (Xizang, China). *Journal of Paleolimnology* 51, 253-266.
- Haberzettl, T., J. Baade, J. Compton, G. Daut, L. Dupont, J. Finch, P. Frenzel, A. Green, A. Hahn, D. Hebbeln, J. Helmschrot, M. Humphries, **T. Kasper**, K. Kirsten, R. Mäusbacher, M. Meadows, S. Meschner, L. Quick, E. Schefuß, M. Wündsche, M. Zabel (accepted, corrected proof): R A I N (Regional Archives for Integrated iNvestigations) – A conceptual research approach. *Zentralblatt für Geologie und Paläontologie; Teil I* 2014 (1), 55-73.

2013

- Kasper, T.**, P. Frenzel, T. Haberzettl, A. Schwarz, G. Daut, S. Meschner, J. Wang, L. Zhu, R. Mäusbacher (2013): Interplay between redox conditions and hydrological changes in sediments from Lake Nam Co (Tibetan Plateau) during the past 4000 cal BP inferred from geochemical and micropalaeontological analyses. *Paleogeography, Paleoclimatology, Paleoecology* 392, 261-271.
- Reinwarth, B., S. Franz, J. Baade, T. Haberzettl, **T. Kasper**, G. Daut, J. Helmschrot, K. Kirsten, L. Quick, M.E. Meadows, R. Mäusbacher (2013): A 700-year record on the effects of climate and human impact on the southern Cape coast inferred from lake sediments of Eilandvlei, Wilderness Embayment, South Africa. - *Geografiska Annaler: Series A, Physical Geography*.

2012

- Kasper, T.**, T. Haberzettl, S. Doberschütz, D. Daut, J. Wang, L. Zhu, N. Nowaczyk, R. Mäusbacher (2012): Indian Ocean Summer Monsoon (IOSM)-dynamics within the past 4 ka recorded in the sediments of Lake Nam Co, central Tibetan Plateau (China). *Quaternary Science Reviews* 39, 73-85.

In press, accepted, revised, in revision, submitted, draft

- Gregori, C.-D., V. Linß, T. Schirdewahn, P. Frenzel, **T. Kasper**, T. Haberzettl (accepted): Geochemische und sedimentologische Untersuchungen zur Genese eines küstennahen, anthropogen geprägten Gewässers am Beispiel des Moorteichs, Stralsund. Neubrandenburger Geologische Beiträge.
- Urban, B., K.J. Krahn, T. Kasper, M. Tucci, E. Turner, J. Hutson, A. Villaluenga, A. Garcia, D. Farghaly, A. Schwalb, S. Gaudzinski-Windheuser (in revision): High-resolution environmental proxy data of the Palaeolithic Middle Pleistocene faunal kill location Schöningen 13 II-4 (MIS 9), Germany.

Publications (without peer review)

- Eggert, T., A. Katzschmann, **T. Kasper**, M. Kniping, L. Werther, P. Wolters, P. Ettel, T. Haberzettl (2021): Sedimentologische und palynologische Untersuchungen am Hohenrother See. Jenaer Schriften zur Vor- und Frühgeschichte, Band 11.
- Frenzel, P., F. Günther, **T. Kasper**, K. Henkel (2014): Paläoklimaforschung auf dem Dach der Welt. Expeditionen zu den Seen Tibets. Biologie in unserer Zeit 44 (2), 108-115.
- Wüdsch M., P. Bierbaß, T. Haberzettl, **T. Kasper** (2012): Limnogeologische Untersuchung des Stausees Hohenfelden. - Beiträge zur Geologie von Thüringen, N.F. 19, 179-200.