

## Publications\_Grosjean

### Journal research articles (reviewed)

- \* 1<sup>st</sup> authored from research group (supervised PhD student and postdoc papers)

#### In review/ revision

- \* De Jong, R., Schneider, T., Hernández – Almeida, I., Grosjean, M., (submitted) Recent temperature trends in the south Central Andes reconstructed from sedimentary chrysophyte stomatocysts in Laguna Escondida (1742 m a.s.l., 38°28 S, Chile). *Global and Planetary Change*.
- \* Hernández-Almeida, I., Grosjean, M., Tylmann, W., Bonk, A. (submitted) A chrysophyte-based quantitative reconstruction of winter severity from varved lake sediments in NE Poland during the past millennium and its relationship to natural climate variability. *Quaternary Science Reviews*.
- Tylmann, W., Bonk, A., Goslar, T., Grosjean, M., Wulf, S. (submitted) Calibrating <sup>210</sup>Pb dating results with varve chronology and independent chronostratigraphic markers: problems and implications. *Geochronology*.
- Ausín, B., Flores, J-A., Sierro, F-J., Hernández-Almeid, I., Grosjean, M., Francés, G., Alonso, B. (submitted) High-resolution Sea Surface Salinity reconstruction for the last 25 kyr in the Western Mediterranean from a coccolithophore-based Transfer Function. *Quaternary Science Reviews*

#### Published, or in press

- \* Butz, C., Grosjean, M., Fischer, D., Wunderle, S., Tylmann, W., Rein, B. (accepted) Hyperspectral imaging spectroscopy: A promising method for the biogeochemical analysis of lake sediments. **Journal of Applied Remote Sensing**.
- \* Amann, B., Szidat, S., Grosjean, M. (2015). A millennial-long record of warm season precipitation and flood frequency for the North-western Alps inferred from varved lake sediments: implications for the future. **Quaternary Science Reviews** 115, 89-100.
- \* Larocque-Tobler, I., Filipiak, J., Tylmann, W., Bonk, A., Grosjean, M., (2015). Comparison between chironomid-inferred mean-August temperature from varved Lake Żabińskie (Poland) and instrumental data since 1896 AD. **Quaternary Science Reviews** 111, 35-50.
- \* Elbert, J., Jacques-Coper, M., Van Daele, M., Urrutia, R., Grosjean, M., (2015). A 600 years warm-season temperature record from varved sediments of Lago Plomo, Northern Patagonia, Chile (47°S). **Quaternary International**. doi.org/10.1016/j.quaint.2015.01.004
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- Wanner, H., Mercolli, L., Grosjean, M., Ritz, S.P. (2015). Holocene climate variability and change; a data-based review. **Journal of the Geological Society** 172(2), 254-263. doi:10.1144/jgs2013-101
- \* Amann, B., Lobsiger, S., Fischer, D., Tylmann, W., Bonk, A., Filipiak, J., Grosjean, M., (2014). Spring temperature variability and eutrophication history inferred from sedimentary pigments in the varved sediments of Lake Żabińskie, north-eastern Poland, 1907 – 2008 AD. **Global and Planetary Change** 123 Part A, 86-96. doi:10.1016/j.gloplacha.2014.10.008

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- \* de Jong, R., von Gunten, L., Maldonado, A., Grosjean, M. (2013) Late Holocene summer temperatures in the central Andes reconstructed from the sediments of high-elevation Laguna Chepical, Chile (32°S). *Climate of the Past* 9/4, 1921-1932.
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## **Book Chapters, Books (edited),**

### **Published**

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