

Peer-reviewed Publications in 2012

- Amundson, J. M., Clinton, J. F., Fahnestock, M., Truffer, M., Lüthi, M. P., and Motyka, R. J. (2012). Observing calving-generated ocean waves with coastal broadband seismometers, Jakobshavn Isbræ, Greenland. *Annals of Glaciology*, 60(53):79–84. doi: 10.3189/2012/AoG60A200.
- Dalban-Canassy, P., Faillettaz, J., Walter, F., and Huss, M. (2012). Seismic activity and surface motion of a steep temperate glacier: a study on Triftgletscher, Switzerland. *Journal of Glaciology*, 58(209):513–527.
- Faillettaz, J., Funk, M., and Sornette, D. (2012). Instabilities on Alpine temperate glaciers: new insights arising from the numerical modelling of Allalingsletscher (Valais, Switzerland). *Nat. Hazards Earth Syst. Sci.*, 12:2977–2990.
- Farinotti, D., Usselmann, S., Huss, M., Bauder, A., and Funk, M. (2012). The runoff evolution in the Swiss Alps: Projections for selected high-alpine catchments based on ENSEMBLES scenarios. *Hydrological Processes*, 26(13):1909–1924.
- Finger, D., Heinrich, G., Gobiet, A., and Bauder, A. (2012). Projections of future water resources and their uncertainty in a glacierized catchment in the Swiss Alps and the subsequent effects on hydropower production during the 21st century. *Water Resources Research*, 48(2):W02521.
- Gabbi, J., Farinotti, D., Bauder, A., and Maurer, H. (2012). Ice volume distribution and implications on runoff projections in a glacierized catchment. *Hydrology and Earth System Sciences*, 16(12):4543–4556.
- Huss, M. and Farinotti, D. (2012). Distributed ice thickness and volume of all glaciers around the globe. *Journal of Geophysical Research*, 117(F04010). doi:10.1029/2012JF002523.
- Huss, M., Hock, R., Bauder, A., and Funk, M. (2012). Conventional versus reference-surface mass balance. *Journal of Glaciology*, 38(208):278–286.
- Keller, A. and Blatter, H. (2012). Measurement of strain-rate components in a glacier with embedded inclinometers. *Journal of Glaciology*, 58(210):692–698.
- Walter, F., Amundson, J., O’Neel, S., Truffer, M., Fahnestock, M., and Fricker, H. (2012). Analysis of low-frequency seismic signals generated during a multiple-iceberg calving event at Jakobshavn Isbræ, Greenland. *Journal of Geophysical Research*, 117(F01036). doi:10.1029/2011JF002132.