

# WGMS paper library

March 8, 2018

## References

- Aellen, M. (1985). “Les variations récentes des glaciers des alpes suisses”. In: *Geografia Fisica e Dinamica Quaternaria* 8, pp. 73–82.
- Ageta, Y. and T. Kadota (1992). “Predictions of changes of glacier mass balance in the Nepal Himalaya and Tibetan Plateau: a case study of air temperature increase for three glaciers”. In: *Annals of Glaciology* 16, pp. 89–94.
- Albert, T. H. (2002). “Evaluation of remote sensing techniques for ice-area classification applied to the tropical Quelccaya Ice Cap, Peru”. In: *Polar Geography* 26.3, pp. 210–226.
- Albrecht, O., P. Jansson, and H. Blatter (2000). “Modelling glacier response to measured mass-balance forcing”. In: *Annals of Glaciology* 31, pp. 91–96.
- Alean, J. (1984). “Ice avalanches and a landslide on Grosser Aletschgletscher”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 20, pp. 9–25.
- Alean, J. and F. Müller (1977). “Zum Massenhaushalt des Baby Glacier, Axel Heiberg Island, kanadische Hocharktis”. In: *Geographica Helvetica* 32.4, pp. 203–208.
- Allison, I. (1974). “Morphology and dynamics of the tropical glaciers of Irian Jaya”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 10, pp. 129–152.
- Alonso, F., P. Nicolás, and E. Martínez (1983). *Los glaciares españoles actuales*.
- Ambach, W. (1978). “Ist die Umwelt durch radioaktiven atmosphärischen Fallout noch kontaminiert?” In: *Wetter und Leben* 30, pp. 165–169.
- (1979a). “Zum Wärmehaushalt des Grönländischen Inlandeis: Vergleichende Studie im Akkumulations- und Ablationsgebiet”. In: *Polarforschung* 49.1, pp. 44–54.
- (1979b). “Zur Nettoeisablation in einem Höhenprofil am Grönländischen Inlandeis”. In: *Polarforschung* 49.1, pp. 55–62.
- (1980a). “Increased CO<sub>2</sub> concentration in the atmosphere and climate change: Potential effects on the Greenland Ice Sheet”. In: *Wetter und Leben* 23.3, pp. 135–142.
- (1980b). “Zur Kontamination von Firnschichten durch radioaktiven Fallout”. In: *Polarforschung* 50.1/2, pp. 17–22.
- (1983a). “Der Beitrag Österreichs zur Internationalen Glaziologischen Grönlandexpedition 1959 und 1967”. In: *100 Jahre Polarforschung*.

- Ambach, W. (1983b). “Zur erhöhten erythemwirksamen Dosis bei Abnahme der Ozonkonzentration in der Atmosphäre”. In: *medwelt* 34, pp. 204–206.
- (1986). “Nomographs for the determination of melt from snow- and ice surfaces”. In: *Ber. nat.-med. Verein, Innsbruck* 73, pp. 7–15.
- (1988a). “Heat balance characteristics and ice ablation, Western Egid-Profile, Greenland. The Seventh Northern Research Basins Symposium/Workshop”. In: *Applied Hydrology in the Development of Northern Basins*, pp. 59–69.
- (1988b). “Interpretation of the positive degree-days-factor by heat balance characteristics - West Greenland”. In: *Nordic Hydrology* 19, pp. 217–224.
- (1988c). “Vor 100 Jahren: Auf Schneeschuhen durch Grönland. Wendepunkt der Erforschung des Grönländischen Inlandeises.” In: *Polarforschung* 55.1, pp. 53–55.
- Ambach, W. and M. Blumthaler (1987). “Solare UV-Strahlung im Hochgebirge und ihre Bedeutung für den Menschen”. In: *Ber. nat.-med. Verein, Innsbruck* 74, pp. 7–17.
- Ambach, W., M. Blumthaler, and P. Kirchlechner (1981). “Application of the gravity flow theory to the percolation of melt water through firn”. In: *Journal of Glaciology* 27.95, pp. 67–75.
- Ambach, W., M. Blumthaler, W. Rehwald, et al. (1987). “Strahlenbelastung im Hochgebirge nach dem Reaktorunfall in Tschernobyl”. In: *Wetter und Leben* 39, pp. 121–124.
- Ambach, W. and A. Denoth (1980). “The dielectric behaviour of snow: a study versus liquid water content”. In: *Microwave Remote Sensing of Snowpack Properties*, pp. 69–92.
- Ambach, W. and H. Eisner (1970). “Grundlagen und Ergebnisse von kernphysikalischen Untersuchungen auf Alpenglatschern”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 6.1-2, pp. 91–105.
- (1980). “Neue Ergebnisse von Messungen der Gesamt-Beta-Aktivität in Tiefenprofilen am Kesselwandferner (Öztaler Alpen)”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 16.1, pp. 131–133.
- (1983). “Effective shear viscosity and effective bulk viscosity of firn of a temperate glacier (Kesselwandferner, Ötztal Alps, 1967-1978)”. In: *Annals of Glaciology* 4, pp. 10–13.
- (1985). “Rheological properties of temperate firn”. In: *Polarforschung* 55.2, pp. 71–77.
- (1986). “Proposal for a constitutive equation of temperate firn”. In: *Cold Regions Science and Technology* 13, pp. 1–9.
- (1988). “Ein nichtlineares Fliessgesetz für temperierten Firn mit deviatorischen und isotropen Termen”. In: *Beiträge zur Wildbacherosions- und Lawinenforschung. Mitteilungsband* 159, pp. 315–322.
- Ambach, W., H. Eisner, and R. Haefeli (1971). “Bestimmung von Firnrücklagen am Eisschild Jungfraujoch durch Messung der Gesamt-Betaaktivität von Firnproben”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 7.1, pp. 58–63.

- Ambach, W., H. Eisner, E. Meyer, et al. (1986). "Zum winterlichen Kälteverrat in einem temperierten Alpengletscher". In: *Polarforschung* 56.1/2, pp. 65–67.
- Ambach, W. and H. Hoinkes (1963). "The heat balance of an alpine snowfield (Kesselwandferner, 3240m, Oetztal Alps, August 11-Sept.8, 1958) Preliminary communication". In: *I.A.S.H. Commission of Snow and Ice* 61, pp. 24–36.
- Ambach, W. and P. Kirchlechner (1986). "Nomographs for the determination of meltwater from ice- and snow surfaces by sensible and latent heat". In: *Wetter und Leben* 38, pp. 181–189.
- Ambach, W., P. Kirchlechner, et al. (1982). "Seasonal variations of deuterium concentration in runoff from a glacierized basin". In: *Hydrological Sciences - Journal des Sciences Hydrologiques* 27.1, pp. 29–34.
- Ambach, W. and M. Kuhn (1985). "Accumulation gradients in Greenland and Mass Balance response to climatic changes". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 21, pp. 311–317.
- (1989). "Glacier fluctuations and climatic change. Proceedings of the symposium on glacier fluctuations and climatic change, held in Amsterdam, 1-5 June 1987". In: *Glacier Fluctuations and Climatic Change*. Ed. by Oerl. Kluwer Academics Publishers. Chap. Altitudinal shift of the equilibrium line in Greenland calculated from heat balance characteristics, pp. 281–288.
- Ambach, W. and G. Markl (1981). "Messungen der atmosphärischen Trübung am Grönländischen Inlandeis während der Internationalen Glaziologischen Grönlandexpedition 1959 und 1967". In: *Polarforschung* 51, pp. 129–137.
- Ambach, W. and B. Mayr (1981). "Ski gliding and water film". In: *Cold Regions Science and Technology* 5, pp. 59–65.
- Ambach, W. and F. Müller (1980). "Determination of net accumulations from gross beta activity measurements in the North Water Region". In: *Polarforschung* 50.1/2, pp. 1–7.
- Ambach, W. and W. Rehwald (1982). "Measurements of the decay rate of the gross beta activity in firn samples from an alpine glacier, Kesselwandferner, Ötztal Alps, Austria". In: *Arctic and Alpine Research* 14.2, pp. 163–166.
- (1983). "Measurements of the annual variation of the erythema dose of global radiation". In: *Radiat Environ Biophys* 21, pp. 295–303.
- (1985). "Contamination of firn layers by radioactive fission products from atmospheric fallout". In: *Health Physics* 49.6, pp. 1173–1176.
- Ambach, W., W. Rehwald, and M. Blumthaler (1988). "Displacement of Chernobyl fallout in snow layers of temperate alpine glaciers". In: *The Science of the Total Environment* 76, pp. 101–107.
- Ambach, W., W. Rehwald, M. Blumthaler, and P. Brunner (1987). "Reaktorunfall Tschernobyl: Kontamination von Schneeschichten auf Alpengletschern". In: *Medizinische Physik* 1, pp. 276–281.
- Ambach, W., W. Rehwald, M. Blumthaler, and H. Eisner (1987a). "Chernobyl fallout on alpine glaciers: A new reference horizon for dating". In: *EOS* 68.45, p. 1577.

- Ambach, W., W. Rehwald, M. Blumthaler, and H. Eisner (1987b). "Radioactive fall-out on alpine glaciers from the Chernobyl nuclear accident". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 23.2, pp. 123–129.
- (1989). "Radioactive fallout from Chernobyl accident provides new tool for dating alpine glaciers". In: *Earth in Space* 1.7, pp. 6–7.
- Ambach, W., W. Rehwald, M. Blumthaler, H. Eisner, and P. Brunner (1989). "Chernobyl fallout on alpine glaciers". In: *Health Physics* 56.1, pp. 27–31.
- Ammann, K. (1975). "Gletschnahe Vegetation in der Oberaar (Grimsel) einst und jetzt. Die historischen Schwankungen des Oberaargletschers, die heutige Vegetation der Oberaar und erste Ergebnisse der pollenanalytischen Untersuchungen gletschnaher Bodenprofile". In: *Mitteilungen der Naturforschenden Gesellschaft in Bern* 32, pp. 122–128.
- Ananicheva, M. D. and A. N. Krenke (2005). "Evolution of climatic snow line and equilibrium line altitudes in the North-Eastern Siberia Mountains (20th century)". In: *Ice and Climate News*, No. 6, July 2005.
- Anderson, R. S. (1984). "The Galloping Glacier of Russell Fjord". In: *alaskafest* June, pp. 34–40.
- Aniya, M. et al. (2000). "Variations of Patagonia glaciers, South America, using RADARSAT and Landsat images". In: *Canadian Journal of Remote Sensing* 26.6, pp. 501–511.
- Arendt, A. A., K. Echelmeyer, et al. (2002). "Rapid wastage of Alaska. Glaciers and their contribution to rising sea level". In: *Science* 297, pp. 382–386.
- Arendt, A. A., S. B. Luthcke, and R. Hock (2009). "Glacier changes in Alaska: can mass-balance models explain GRACE mascon trends?" In: *Annals of Glaciology* 50, pp. 148–154.
- Arnold, N. S. et al. (1996). "A distributed surface energy-balance model for a small valley glacier. I. Development and test for Haut Glacier d'Arolla, Valais, Switzerland". In: *Journal of Glaciology* 42.140, pp. 77–89.
- Aschenbrenner, J. and H. Slupetzky (1992). "Erläuterungen zur Karte des Ödenwinkelkees-Vorfeldes 1:10.000". In: *Geographischer Jahresbericht aus Österreich*. Sonderdruck aus Band LI (1992), pp. 66–76.
- Assier, A. (1985). *Les variations récentes d'un glacier de cirque des Alpes Sud-occidentales françaises: l'exemple du glacier oriental de Marinnet (Haute-Ubaye)*.
- Atsumu, O. (1984). "Comparative energy balance study for the arctic tundra, sea surface, glacier and boreal forests". In: *GeoJournal* 8.3, pp. 221–228.
- Aubert, D. (1986). "La récurrence des glaciers jurassiens entre la Venoge et l'Aubonne". In: *Bull. Soc. Vaud. Sc. Nat.* 78.1, pp. 21–46.
- Azam, M. F. et al. (2012). "From balance to imbalance: a shift in the dynamic behaviour of Chhota Shigri glacier, Western Himalaya, India". In: *Journal of Glaciology* 58.208, pp. 315–324. DOI: 10.3189/2012JoG11J123.
- Bachmann, R. C. (1981). "Ein eiskaltes Abenteuer". In: *Die Weltwoche* 35, pp. 28–29.
- Bader, H. (1954). "Sorge's law of densification of snow on high polar glaciers". In: *Journal of Glaciology* 2.15, pp. 319–323.

- Baelum, K. and D. I. Benn (2011). “Thermal structure and drainage system of a small valley glacier (Tellbreen, Svalbard), investigated by ground penetrating radar”. In: *The Cryosphere* 5, pp. 139–149. DOI: 10.5194/tc-5-139-2011.
- Bahr, D. B. (1997). “Global distributions of glacier properties: A stochastic scaling paradigm”. In: *Water Resources Research* 33.7, pp. 1669–1679.
- Bahr, D. B., M. B. Dyurgerov, and M. F. Meier (2009). “Sea level rise from glaciers and ice caps: A lower bound”. In: *Geophysical Research Letters* 36, p. L03501. DOI: 10.1029/2008GL036309.
- Bahr, D. B., M. F. Meier, and S. D. Peckham (1997). “The physical basis of glacier volume-area scaling”. In: *Journal of Geophysical Research* 102.B9, pp. 20, 355–20, 362.
- Bailey, P. K. (1985). *Periglacial landforms and processes in the Southern Kenai Mountains, Alaska*. Tech. rep. Cold Regions Research and Engineering Laboratory & US Army Corps of Engineers.
- Bajrachayra, S. R. and P. Mool (2009). “Glaciers, glacial lakes and glacial lake outburst floods in the Mount Everest region, Nepal”. In: *Annals of Glaciology* 50.53, pp. 81–86.
- Balch, E. S. (1897). “Ice cave hunting in Central Europe”. In: *Appalachia* 8, p. 10.
- (1899). “Subterranean ice deposits in America”. In: *Journal of the Franklin Institute* 80, pp. 1–12.
- Ballagh, L. M. et al. (2011). “Representing scientific data sets in KML: Methods and challenges”. In: *Computers & Geosciences* 37, pp. 57–64. DOI: 10.1016/j.cageo.2010.05.004.
- Baltzer, A. (1906). “Ueber eine Grabenversenkung in glacialen Kiesen”. In: *Mitteilungen der Naturforschenden Gesellschaft Bern* 53, pp. 1–3.
- Barnett, T. P., J. C. Adam, and D. P. Lettenmaier (2005). “Potential impacts of a warming climate on water availability in snow-dominated regions”. In: *Nature* 438, pp. 303–309. DOI: 10.1038/nature04141.
- Barnett, T. P., D. W. Pierce, et al. (2008). “Human-induced changes in the hydrology of the Western United States”. In: *Science* 319, pp. 1080–1083.
- Baroni, C. (1988). “The Hells Gate and Backstairs Passage ice shelves, Victoria Land, Antarctica”. In: *Memorie della Societa Geologica Italiana* 34, pp. 123–144.
- Baroni, C. and G. Orombelli (1991). “Holocene raised beaches at Terra Nova Bay, Victoria Land, Antarctica”. In: *Quaternary Research* 36, pp. 157–177.
- Barry, R. G. (1990). “Changes in climate and glacio-hydrological responses”. In: *Mountain Development* 10.2, pp. 161–170.
- (2006). “The status of research on glaciers and global glacier recession: a review”. In: *Physical Geography* 30.3, pp. 285–306.
- Barry, R. G., J. Jania, and K. Birkenmajer (2011). “A. B. Dobrowolski - the first cryospheric scientist - and the subsequent development of cryospheric science”. In: *History of Geo and Space Sciences* 2, pp. 75–79. DOI: 10.5194/hgss-2-75-2011.
- Barsch, D. (1968a). “Die geomorphologische Übersichtskarte 1:250000 der Basler Region”. In: *Regio Basiliensis* 9.2, pp. 384–402.

- Barsch, D. (1968b). "Die pleistozänen Terrassen der Birs zwischen Basel und Delsberg". In: *Regio Basiliensis* 9.2, pp. 363–383.
- (1968c). "Periglaziale Seen in den Karstwannen des Schweizer Juras". In: *Regio Basiliensis* 9, pp. 115–134.
- (1969). "Studien und Messungen an Blockgletschern in Macun, Unterengadin". In: *Zeitschrift für Geomorphologie* 8, pp. 11–30.
- (1971). "Rock glaciers and ice-cored moraines". In: *Geografiska Annaler* 53, pp. 203–213.
- (1973). "Refraktionsseismische Bestimmung der Obergrenze des gefrorenen Schuttkörpers in verschiedenen Blockgletschern Graubündens, Schweizer Alpen". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 9.1-2, pp. 143–167.
- (1976). "Das GMK-Schwerpunktprogramm der DFG: Geomorphologische Detailkartierung in der Bundesrepublik". In: *Geomorphologie. N. F.* 20.4, pp. 488–498.
- (1977). "Alpiner Permafrost - ein Beitrag zur Verbreitung, zum Charakter und zur Ökologie am Beispiel der Schweizer Alpen". In: *Abhandlungen der Akademie der Wissenschaften in Göttingen* 31, pp. 117–141.
- (1980). "Die Beziehungen zwischen der Schneegrenze und der Untergrenze der aktiven Blockgletscher". In: *Arbeiten aus dem Geographischen Institut der Universität des Saarlandes* 29, pp. 119–133.
- (1981a). "Ergebnisse der Heidelberg Ellesmere Island Expedition. Studien zur gegenwärtigen Geomorphodynamik im Bereich der Oobloyah Bay, N-Ellesmere Island, N.W.T., Kanada". In: *Heidelberger Geographische Arbeiten* 69, pp. 123–161.
- (1981b). "Ergebnisse der Heidelberg Ellesmere Island Expedition. Terrassen, Flussarbeit und das Modell der exzessiven Talbildungszone im Expeditionsgebiet Oobloyah Bay, N-Ellesmere Island, N.W.T., Kanada". In: *Heidelberger Geographische Arbeiten* 69, pp. 163–201.
- (1981c). "Ergebnisse der Heidelberg Ellesmere Island Expedition. Zur Geomorphologie des Expeditionsgebietes Oobloyah Bay, N-Ellesmere Island, N.W.T., Kanada". In: *Heidelberger Geographische Arbeiten* 69, pp. 109–122.
- (1988). "Advances in Periglacial Geomorphology". In: ed. by D. Barsch. John Wiley & Sons Ltd. Chap. Rockglaciers, pp. 69–90.
- (1990). "Geomorphology and geoecology". In: *Geomorphologie. N. F.* 79, pp. 39–49.
- Barsch, D., H. Fierz, and W. Haeberli (1979). "Shallow core drilling and borehole measurements in Permafrost of an active rock glacier near the Grubengletscher, Wallis, Swiss Alps". In: *Arctic and Alpine Research* 11.2, pp. 215–228.
- Barsch, D. and G. Hell (1973). "Photogrammetrische Bewegungsmessungen am Blockgletscher Murtèl I, Oberengadin, Schweizer Alpen". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 9.2, pp. 111–142.
- Barsch, D. and L. King (1979). "Die Heidelberg Ellesmere Island Expedition - Erster Bericht". In: *Marburger Geographische Schriften* 79, pp. 45–56.

- Barsch, D. and L. King (1981). “Ergebnisse der Heidelberg Ellesmere Island Expedition. Zielsetzung und Ablauf der Heidelberg-Ellesmere Island-Expedition 1978”. In: *Heidelberger Geographische Arbeiten* 69, pp. 1–14.
- Barsch, D., L. King, and R. Mäusbacher (1981). “Ergebnisse der Heidelberg Ellesmere Island Expedition. Glaziologische Beobachtungen an der Stirn des Webber-Gletschers, Borup-Fjord-Gebiet, N-Ellesmere Island, N.W.T., Kanada”. In: *Heidelberger Geographische Arbeiten* 69, pp. 269–284.
- Barsch, D. and G. Müller (1981). “Ergebnisse der Heidelberg Ellesmere Island Expedition. Rezente Eisenablagerung und Schwermetallakkumulation im Access-See, Oobloyah Bay, N-Ellesmere Island, N.W.T., Kanada”. In: *Heidelberger Geographische Arbeiten* 69, pp. 507–520.
- Barsch, D. and C. F. Royse (1972). “A model for development of Quaternary terraces and pediment-terraces in the southwestern United States of America”. In: *Geomorphologie. N. F.* 16.1, pp. 54–75.
- Barsch, D. and W. Schuster (1981). “Die Erfassung von Daten zum Substrat und zur Geomorphodynamik auf geomorphologischen Karten (GMK 25) mit dem Geomorphologischen Symbolschlüssel (GMS) und auf Computerkarten”. In: *Geomorphologie. N. F.* 39, pp. 29–38.
- Battle, W. R. B. and W. V. Lewis (1951). “Temperature observations in Bergschrunds and their relationship to cirque erosion”. In: *Journal of Glaciology* 59.6, pp. 537–545.
- Bauder, A., H. Blatter, et al. (2008). “On the outburst of glacier-dammed lakes: Gornergletscher, Valais”. In: *Bulletin für angewandte Geologie* 13.2, pp. 17–21.
- Bauder, A., M. Funk, and M. Huss (2007). “Ice-volume changes of selected glaciers in the Swiss Alps since the end of the 19th century”. In: *Annals of Glaciology* 46, pp. 145–149.
- Bauer, A. (1956). “Contribution à la connaissance du Vatnajökull - Islande”. In: *Jökull* 3, pp. 3–19.
- (1968). “Le glacier de l’Ege (eqip sermia) mouvement et variations du front (1959)”. In: *Meddelelser om Grønland* 174, 21 pp.
- Baug, M. N., W. Tranquillini, and W. M. Havranek (1974). “Cuticuläre Transpiration von Picea-abies und Pinus-cembra-Zweigen aus verschiedener Seehöhe und ihre Bedeutung für die winterliche Austrocknung der Bäume an der alpinen Waldgrenze”. In: *Centralblatt für das gesamte Forstwesen* 91.4, pp. 195–211.
- Beck, A. E. (1977). “Climatically perturbed temperature gradients and their effect on regional and continental heat-flow means”. In: *Tectonophysics* 41, pp. 17–39.
- Beedle, M. J. et al. (2009). “Annual push moraines as climate proxy”. In: *Geophysical Research Letters* 36, p. L20501. DOI: 10.1029/2009GL039533.
- Béguin, C. and J. Theurillat (1981). “Impact des pistes de ski sur les lacs alpins”. In: *Les Alpes* 57, pp. 3–8.
- (1982). “Une association végétale des zones humides périglaciaires de l’étage alpin sur silice”. In: *Bulletin Murithienne* 99, pp. 33–60.

- Beniston, M. (2005). “Mountain climates and climatic change: An overview of processes focussing on the European Alps”. In: *Pure and Applied Geophysics* 162, pp. 1587–1606.
- Beniston, M. et al. (1997). “On the potential use of glacier and permafrost observations for verification of climate models”. In: *Annals of Glaciology* 25, pp. 400–406.
- Berner, W. et al. (1977). “Analysis and interpretation of gas content and composition in natural ice”. In: *Isotopes and impurities in snow and ice - Symposium Grenoble 1975*.
- Berthier, E. et al. (2010). “Contribution of Alaskan glaciers to sea-level rise derived from satellite imagery”. In: *Nature Geoscience* 3, pp. 92–95. DOI: 10.1038/NGE0737.
- Bezzola, G. R., P. Kuster, and S. Pellandini (1990). “The Reuss river flood of 1987 - Hydraulic model tests and reconstruction concepts”. In: *International Conference on River Flood Hydraulics*.
- Bhambri, R. and T. Bolch (2009a). “Glacier mapping: A review with special reference to the Indian Himalayas”. In: *Progress in Physical Geography* 33.5, pp. 672–704. DOI: 10.1177/0309133309348112.
- (2009b). “Glacier mapping: a review with special reference to the Indian Himalayas”. In: *Progress in Physical Geography* 33.5, pp. 672–704. DOI: 10.1177/0309133309348112.
- Bhatt, N., S. Hastenrath, and P. Kruss (1980). “Ice thickness determination at Lewis Glacier, Mount Kenya: Seismology, gravimetry, dynamics”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 16.2, pp. 213–228.
- Bindschadler, R. A. (1982). “A numerical model of temperate glacier flow applied to the quiescent phase of a surge-type glacier”. In: *Journal of Glaciology* 28.99, pp. 239–265.
- (1983). “The importance of pressurized subglacial water in separation and sliding at the glacier bed”. In: *Journal of Glaciology* 29.101, pp. 3–19.
- Bindschadler, R. A. and R. Gore (1982). “A time-dependent ice sheet model: Preliminary results”. In: *Journal of Geophysical Research* 87, pp. 9675–9685.
- Björnsson, H. (1978). “The surface area of glaciers in Iceland”. In: *Jökull* 28, p. 31.
- (1979). “9 glaciers in Iceland”. In: *Jökull* 29, pp. 74–80.
- Björnsson, H. and P. Einarsson (1990). “Volcanoes beneath Vatnajökull, Iceland: Evidence from radio echo-sounding, earthquakes and jökulhaups”. In: *Jökull* 40, pp. 147–168.
- Björnsson, H., Y. Gjessing, et al. (1996). “The thermal regime of sub-polar glaciers mapped by multi-frequency radio-echo sounding”. In: *Journal of Glaciology* 42, 23–32 (Separatum).
- Blachut, T. J. and F. Müller (1966). “Some fundamental considerations on glacier mapping”. In: *Canadian Journal of Earth Sciences* 3.6, pp. 747–759.
- Blatter, H. and W. Haeberli (1984). “Modelling temperature distribution in alpine glaciers”. In: *Annals of Glaciology* 5, pp. 18–22.
- Blumthaler, M. and W. Ambach (1988a). “Human solar ultraviolet radiant exposure in high mountains”. In: *Atmospheric Environment* 22.4, pp. 749–753.



- Blumthaler, M. and W. Ambach (1988b). “Solar UVB-albedo of various surfaces”. In: *Photochemistry and Photobiology* 48.1, pp. 85–88.
- Bodmer, R. et al. (1973). “Geologische, seismische und pollenanalytische Untersuchungen im Bödeler bei Interlaken”. In: *Mitteilungen der Naturforschenden Gesellschaft Bern* 30, pp. 51–62.
- Bøggild, C. E., N. Reeh, and H. Oerter (1994). “Modelling ablation and mass-balance sensitivity to climate change of Storstrømmen, Northern Greenland”. In: *Global and Planetary Change* 9, pp. 79–90.
- Bögli, A. (1969). “Neue Anschauungen über die Rolle von Schichtfugen und Klüften in der karsthydrographischen Entwicklung”. In: *Geologische Rundschau* 58.2, pp. 395–408.
- Böhm, R. et al. (2001). “Regional temperature variability in the European Alps: 1760-1998 from homogenized instrumental time series”. In: *International Journal of Climatology* 21, pp. 1779–1801. DOI: 10.1002/joc.689.
- Böhner, J. and F. Lehmkuhl (2005). “Environmental change modelling for Central and High Asia: Pleistocene, present and future scenarios”. In: *Boreas* 34, pp. 220–231. DOI: 10.1080/03009480510012917.
- Bolch, T., M. Buchroithner, et al. (2008). “Planimetric and volumetric glacier changes in the Khumbu Himal, Nepal, since 1962 using Corona, Landsat TM and ASTER data”. In: *Journal of Glaciology* 54.187, pp. 592–600.
- Bolch, T., A. Kulkarni, et al. (2012). “The state and fate of Himalayan glaciers”. In: *Science* 336, pp. 310–314.
- Bolch, T., T. Pieczonka, and D. I. Benn (2011). “Multi-decadal mass loss of glaciers in the Everest area (Nepal Himalaya) derived from stereo imagery”. In: *The Cryosphere* 5, pp. 349–358.
- Bolch, T., L. Sandberg Sørensen, et al. (2013). “Mass loss of Greenland’s glaciers and ice caps 2003-2008 revealed from ICESat laser altimetry data”. In: *Geophysical Research Letters* 40, pp. 1–7. DOI: 10.1002/grl.50270.
- Bolch, T., T. Yao, et al. (2010). “A glacier inventory for the western Nyainqentanglha range and the Nam Co Basin, Tibet, and glacier changes 1976-2009”. In: *The Cryosphere* 4, pp. 419–433. DOI: 10.5194/tc-4-419-2010.
- Boot, W. et al. (1991). *GIMEX-91 Field Report*. Ed. by W. Boot et al. Institute for Marine and Atmospheric Research Utrecht University, p. 15.
- Bortenschlager, S. (1970). “Neue Pollenanalytische Untersuchungen von Gletschereis und gletschernahen Mooren in den Ostalpen”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 6.1-2, pp. 107–118.
- Boulton, G. S. (1996). “Theory of glacial erosion, transport and deposition as a consequence of subglacial sediment deformation”. In: *Journal of Glaciology* 42.140, pp. 43–62.
- Bourgeois, J. C. (1985). “Airborne pollen: A unique air mass tracer, its influx to the canadian high arctic”. In: *Annals of Glaciology* 7, pp. 109–116.
- (1990a). “A modern pollen spectrum from Dye 3, South Greenland Ice Sheet”. In: *Journal of Glaciology* 36, pp. 340–342.
- (1990b). “Seasonal and annual variation of pollen content in the snow of a canadian high arctic ice cap”. In: *Boreas* 19, pp. 313–322.

- Boutron, C. F. and C. C. Patterson (1986). "Lead concentration changes in Antarctic ice during the Wisconsin/Holocene transition". In: *Nature* 323, pp. 222–225.
- Boutron, C. F., C. C. Patterson, et al. (1987). "Preliminary data on changes of lead concentration in Antarctic ice from 155000 to 26000 years BP". In: *Atmospheric Environment* 21, pp. 1–6.
- Braithwaite, R. (2008). "Temperature and precipitation climate at the equilibrium-line altitude of glaciers expressed by the degree-day factor for melting snow". In: *Journal of Glaciology* 54.186, pp. 437–444.
- Braithwaite, R. J. (1981). "On glacier energy balance, ablation, and air temperature". In: *Journal of Glaciology* 27.97, pp. 381–391.
- (1984). "Can the mass balance of a glacier be estimated from its equilibrium-line altitude?" In: *Journal of Glaciology* 30.106, pp. 364–368.
- (2009). "After six decades of monitoring glacier mass balance we still need data but it should be richer data". In: *Annals of Glaciology* 50, pp. 221–227.
- Braithwaite, R. J. and F. Müller (1980). "On the parametrization of glacier equilibrium line altitude". In: *World Glacier Inventory - Inventaire mondial des Glaciers (Proceedings of the Riederalp Workshop, September 1978: Actes de l'Atelier de Riederalp, september 1978): IAHS-AIHS Publ. no. 126*.
- Braithwaite, R. J. and S. C. B. Raper (2002). "Glaciers and their contribution to sea level change". In: *Physics and Chemistry of the Earth* 27, pp. 1445–1454.
- Braithwaite, R. and O. B. Olesen (1988). "Winter accumulation reduces summer ablation on Nordbogletscher, South Greenland". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 24.1, pp. 21–30.
- Braitmeier, M. (2003). "Die Energiebilanz an der Oberfläche des Nevado Santa Isabel, Kolumbien". PhD thesis. Heinrich-Heine-Universität Düsseldorf.
- Braun, A. F. (1972). "Allgemeine Geologie. Klassische Methoden der Einzelkornanalyse an Lockersedimenten". In: *Zbl. Geol. Paläont. Teil 1* 5/6, pp. 257–269.
- (1973). "Einfaches sedimentologisches Modell zur Gliederung der von Gletschern abgelagerten Sedimenten". In: *Neues Jahrbuch für Geologie und Paläontologie, Monatshefte* 6, pp. 315–326.
- Braun, L. N. (1988). *Parametrization of snow- and glaciermelt*. Ed. by L. N. Braun. Geographisches Institut ETH Zürich, p. 72.
- Braun, L. N. et al. (2007). "Water balance of the highly glaciated Vernagt Basin, Ötztal Alps". In: *alpine space - man & environment* 3, pp. 33–42.
- Brink, N. W. T. and A. Weidick (1974). "Greenland Ice Sheet history since the last glaciation". In: *Quaternary Research* 4, pp. 429–440.
- Browman, L. G. (1980). "Advanced concepts and techniques in the study of snow and ice resources". In: ed. by J. L. Smith. National Academy of Sciences. Chap. Channels in ice, pp. 224–234.
- Brown, C. S., L. A. Rasmussen, and M. F. Meier (1986). *Bed topography inferred from airborne radio-echo sounding of Columbia Glacier, Alaska*. Ed. by C. S. Brown, L. A. Rasmussen, and M.F. Meier. US Geological Survey.

- Brown, R. J. E. (1963). "Influence of vegetation on Permafrost". In: *Permafrost International Conference November 1963*, pp. 20–25.
- Brückl, E. (1982). "Ein Gletschermechanisches Modell des Untersulzbach Keeses". In: *Geowissenschaftliche Mitteilungen* 21, pp. 113–151.
- Brückl, E. and G. Gangl (1972). "Die Ergebnisse der seismischen Gletschermessungen am Gefrorene Wand Kees im Jahre 1969". In: *Arbeiten aus der Zentralanstalt für Meteorologie und Geodynamik*.
- Brunner, K. (1986). "Grossmass-stäbige Gletscherkartierungen in den Alpen - eine Bibliographie". In: *Erdkunde* 40, pp. 63–69.
- (1987). "Glacier mapping in the Alps (with 3 map sheets)". In: *Mountain Research and Development* 7.4, pp. 375–385.
- (1988). "Exakte grossmassstäbige Karten von Alpengletschern - ein Säkulum ihrer Bearbeitung". In: *PGM* 2, pp. 129–140.
- (1989). "Gletscherdarstellungen in topographischen Karten und Veduten". In: *Internationales Jahrbuch für Kartographie* 29, pp. 55–79.
- Burga, C. (1981). "Glazialmorphologische Untersuchungen im Hinterrhein-Tal und am Bernhardin-Pass". In: *Vierteljahrsschrift der Naturforschenden Gesellschaft in Zürich* 126, pp. 237–267.
- (1982a). "Pollenanalytical research in the Grisons (Switzerland)". In: *Vegetatio* 49, pp. 173–186.
- (1982b). "Übersicht zur palynologischen Erforschung Graubündens 1929–1982". In: *Physische Geographie* 1, pp. 147–156.
- (1983). "Sedimentologisch-chronologische Untersuchungen zum ehemaligen Schamser-See (Graubünden/Schweiz)". In: *Jahresbericht der Naturforschenden Gesellschaft Graubünden* 100, pp. 135–149.
- (1984). "Beobachtungen zum Lineargefüge des Adula-Kristallins und zum Quartär am San Bernardino-Pass (Graubünden/Schweiz)". In: *Geographica Helvetica* 1, pp. 27–33.
- (1991). "Palynologische Hinweise zu nacheiszeitlichen Klimaschwankungen in den Zentralalpen: Das mittelholozäne Wärmeoptimum". In: *Geographica Helvetica* 46.4, pp. 178–182.
- Burger, H. and R. Hantke (1982). "Die Moränen der Plasseggen-Hochfläche im östlichen Rätikon (Graubünden) mit sich kreuzenden Moränenwällen". In: *Eclogae Geologicae Helveticae* 75.1, pp. 93–99.
- Bürgisser, H., A. Gansser, and J. Pika (1982). "Late glacial lake sediments of the Indus Valley area, Northwest Himalayas". In: *Eclogae Geologicae Helveticae* 75.1, pp. 51–63.
- Bütler, M. (2007). "Die Gletscher haben keine Zeit". In: *Rechtsgeschichte - Legal History* 10, pp. 74–77. DOI: 10.12946/rg10/074-077.
- Cailleux, A. (1972). "Bear-cub and marginate lakes and thermokarst". In: *Cahiers de Géographie de Québec* 15, pp. 131–136.
- Cammeraat, E. et al. (1987). "On the origin of debris pillars in the alps of Vorarlberg, Westen Austria". In: *Geomorphologie. N. F.* 31.1, pp. 85–100.
- Carol, H. (1945a). "Beschreibung einer Gruppe von Gletscherrandklüften am Oberen Grindelwaldgletscher (Mit Hinweisen auf die Bedeutung der Gletscherrandklüfte für die glaziologische und glazialmorphologische Forschung)". In:

- Mitteilungen der Geographisch-Ethnographischen Gesellschaft in Zürich* 42, pp. 12–51.
- Carol, H. (1945b). “Über einen Versuch, den Gletscheruntergrund mittels Einstiegs durch ein Strudeloch zu erreichen”. In: *Die Alpen* 6, pp. 1–6.
- Carol, H. and D. Aubert (1983). “Erosion et morphologie glaciaire de la molasse”. In: *Bulletin de Géologie Lausanne* 272, pp. 321–340.
- Carrara, P. E. and J. T. Andrews (1973). “Problems and application of lichenometry to geomorphic studies, San Juan Mountains, Colorado”. In: *Arctic and Alpine Research* 5.4, pp. 373–384.
- Carturan, L., Cazorzi, F., and G. Dalla Fontana (2009). “Enhanced estimation of glacier mass balance in unsampled areas by means of topographic data”. In: *Annals of Glaciology* 50, pp. 37–46.
- Castan, G. (1980). “Près des Grand Mulets”. In: *Gottfried Keller Stiftung 1977-1980*, pp. 60–65.
- Casty, C. et al. (2005). “Temperature and precipitation variability in the European Alps since 1500”. In: *International Journal of Climatology* 25.14, pp. 1855–1880. DOI: 10.1002/joc.1216.
- Catasta, G. and C. Smiraglia (1988). “Primi risultati delle ricerche sul bilancio di massa al Ghiacciaio della Sforzellina (Gruppo del Cevedale, Alpi Centrali)”. In: *Geografia Fisica e Dinamica Quaternaria* 11.1, pp. 25–30.
- Caukwell, R. A. and S. Hastenrath (1982). “Variations of Lewis Glacier, Mount Kenya, 1978–82”. In: *Erdkunde, Archiv für wissenschaftliche Geographie* 36, pp. 299–304.
- Cazenave, A. et al. (2009). “Sea level budget over 2003–2008: A reevaluation from GRACE space gravimetry, satellite altimetry and Argo”. In: *Global and Planetary Change* 65, pp. 83–88. DOI: 10.1016/j.gloplacha.2008.10.004.
- Ceballos, J. L. et al. (2006). “Fast shrinkage of tropical glaciers in Colombia”. In: *Annals of Glaciology* 43, pp. 194–201.
- Chen, J. and M. Funk (1990). “Mass balance of Rhonegletscher during 1882/83–1986/87”. In: *Journal of Glaciology* 36.123, pp. 199–209.
- Chen, J. and A. Ohmura (1990). “Estimation of Alpine glacier water resources and their change since the 1870s”. In: *Hydrology in Mountainous Regions. I. Hydrological measurement; the water cycle (Proceedings of two Lausanne Symposia, August 1990). IAHS Publ. no 193*.
- Cherrey, M. (1951). “Glacier de Sarennes. Observations d’Octobre 1949 A Octobre 1950”. In: *La Houille Blanche*.
- Chinn, T. (1994). “What’s happening to our glaciers?” In: *New Zealand Alpine Journal* 47, pp. 96–100.
- Chinn, T. J. (1996). “New Zealand glacier responses to climate change of the past century”. In: *New Zealand Journal of Geology and Geophysics* 39, pp. 415–428.
- (2001). “Distribution of the glacial water resources of New Zealand”. In: *Journal of Hydrology* 40, pp. 139–187.
- (s.a.). “How much ice has been lost?” In: pp. 88–95.

- Citterio, M. et al. (2007). “The fluctuations of Italian glaciers during the last century: A contribution to knowledge about alpine glacier changes”. In: *Geografiska Annaler* 89 A.3, pp. 167–184.
- Clark, M. J. (1987a). “Glacio-fluvial Sediment Transfer”. In: ed. by A. M. Gurnell and M. J. Clark. John Wiley & Sons Ltd. Chap. The glacio-fluvial sediment system: Applications and implications, pp. 499–516.
- (1987b). “Glacio-fluvial Sediment Transfer”. In: ed. by A. M. Gurnell and M. J. Clark. John Wiley & Sons Ltd. Chap. Geocryological inputs to the alpine sediment system, pp. 33–58.
- (1987c). “Glacio-fluvial Sediment Transfer”. In: ed. by A. M. Gurnell and M. J. Clark. John Wiley & Sons Ltd. Chap. The alpine sediment system: A context for glacio-fluvial processes, pp. 9–31.
- Clarke, G. K. C., E. Berthier, et al. (2009). “Neural networks applied to estimating subglacial topography and glacier volume”. In: *Journal of Climate* 22, pp. 2146–2160. DOI: 10.1175/2008JCLI2572.1.
- Clarke, G. K. C., J. P. Schmok, et al. (1986). “Characteristics of surge-type glaciers”. In: *Journal of Geophysical Research* 91, pp. 1–35.
- Cogley, J. G. (2009a). “A more complete version of the World Glacier Inventory”. In: *Annals of Glaciology* 50.53, pp. 32–38.
- (2009b). “Geodetic and direct mass-balance measurements: comparison and joint analysis”. In: *Annals of Glaciology* 50, pp. 96–100.
- (2010). “Mass-balance terms revisited”. In: *Journal of Glaciology* 56.200, pp. 1–5.
- (2012a). “Area of the ocean”. In: *Marine Geodesy* 35, pp. 379–388. DOI: 10.1080/01490419.2012.709476.
- (2012b). “The Future of the World’s Climate”. In: ed. by A. Henderson-Sellers and K. McGuffie. Elsevier Science Publishers B. V. Chap. The future of the world’s glaciers, pp. 197–222. DOI: 10.1016/B978-0-12-386917-3.00008-7.
- Cogley, J. G., W. P. Adam, et al. (1996). “Mass balance of White Glacier, Axel Heiberg Island, N.W.T., Canada, 1960-61”. In: *Journal of Glaciology* 42.142, pp. 548–563.
- Cogley, J. G. and W. P. Adams (1998). “Mass balance of glaciers other than the ice sheets”. In: *Journal of Glaciology* 44.147, pp. 315–325.
- Colella, A. and A. Digenaro (1978). “Considerazioni paleoclimatiche in base allo studio mineralogico delle argille subappennine pleistoceniche, affioranti presso Montescaglioso (Matera)”. In: *Geografia Fisica e Dinamica Quaternaria* 1, pp. 119–124.
- Collazos, C. E. (2002). “Incidencia de las Variaciones del brillo solar en la dinámica glaciaria del volcán Nevado Santa Isabel (Cordillera Cenral, Colombia)”. In: *Meteorología Colombiana* 6, pp. 1–11.
- Collins, D. N. (1981). “Seasonal variation of solute concentration in melt waters draining from an alpine glacier”. In: *Annals of Glaciology* 2, pp. 11–16.
- Coltorti, M and F. Dramis (1987). “Sedimentological characteristics of stratified slope-waste deposits in the Umbria-Marche Apennines (Central Italy) and

- their genetic implications”. In: *Processus et mesure de l'érosion*, pp. 145–152.
- Coltorti, M, F. Dramis, and G. Pambianchi (1983). “Stratified slope-waste deposits in the Esino River Basin, Umbria-Marche Apennines, Central Italy”. In: *Polarforschung* 53.2, pp. 59–66.
- Cook, A. J. et al. (2005). “Retreating glacier fronts on the Antarctic Peninsula over the past half-century”. In: *Science* 308.5721, pp. 541–544.
- Corte, A. E. and D. Trombotto (1984). “Quartz grain surface textures in laboratory experiments and in field conditions of rock glaciers”. In: *Microscopia Electronica y Biología Celular* 8.1, pp. 71–74.
- Corte, A. and E. M. Buk (1984). “El marco criogenico para la hidrología cordillerana”. In: *Jornadas de hidrología de nieves y hielos en america del sur* 1, pp. 1–16.
- Coüteaux, M., J. Guiot, and L. Tessier (1986). *Essai de datage d'un sédiment de la dernière récurrence glaciaire par confrontation de données pollenanalytiques et dendroclimatiques*.
- Cullen, N. J., B. Anderson, et al. (2017). “An 11-year record of mass balance of Brewster Glacier, New Zealand, determined using a geostatistical approach”. In: *Journal of Glaciology* 63.238, pp. 199–217. DOI: 10.1017/jog.2016.128.
- Cullen, N. J., T. Mölg, et al. (2006). “Kilimanjaro glaciers: Recent areal extent from satellite data and new interpretation of observed 20th century retreat rates”. In: *Geophysical Research Letters* 33, p. L16502.
- Dadic, R. (2008). “Monitoring and model snow accumulation processes in glacierized alpine basins”. PhD thesis. ETH Zürich.
- Dadic, R., J. G. Corripio, and P. Burlando (2008). “Mass-balance estimates for Haut Glacier d’Arolla, Switzerland, from 2000 to 2006 using DEMs and distributed mass-balance modelling”. In: *Annals of Glaciology* 49, pp. 22–26.
- Dahl, R. (1968). “The retreat of the Reintind Glacier (Frostisen)”. In: *Norsk Geografisk Tidsskrift* 22.4, pp. 271–273.
- Damm, B. (1999). “L’evoluzione dei ghiacciai, del paesaggio e del clima nei Monti di Tures (Alto Adige) dal tardiglaciale”. In: *Geografia Fisica e Dinamica Quaternaria* 22, pp. 49–55.
- Dansgaard, W. et al. (1971). “The late cenozoic glacial ages”. In: ed. by K. K. Turekian. Yale University. Chap. Climatic record revealed by the camp century ice core, pp. 37–56.
- De Jong, C. (1991). “A reappraisal of the significance of obstacle cleasts in cluster bedform dispersal”. In: *Earth Surface Processes and Landforms* 16, pp. 737–744.
- (1992). “Measuring changes in micro and macro roughness on mobile gravel beds”. In: *Erosion and Sediment Transport Monitoring Programmes in River Basins (Proceedings of the Oslo Symposium, August 1992)* 210, pp. 31–40.
- De Quervain, A. and E. Schnitter (1920). “Das Zungenbecken des Bifertengletschers”. In: *Denkschriften der Schweizerischen Naturforschenden Gesellschaft* 55, pp. 137–149.

- Deichman, N. and M. Baer (1990). "Earthquake focal depths below the Alps and the Northern Alpine Foreland of Switzerland". In: *The European Geotraverse: Integrative Studies*, pp. 277–288.
- Deichman, N. and D. Mayer-Rosa (1980). "A case of thermally-induced microseismic activity at a storage reservoir in Switzerland". In: *Rock Mechanics* 10, pp. 77–82.
- Delisle, G. et al. (1985). *Radio echo-sounding of Erebus glacier tongue*, pp. 1–50.
- Demuth, M. N. (1996). "The Canadian glacier variations monitoring and assessment network: status and future perspectives". In: *National Hydrology Research Institute Contribution Series*, p. 9.
- (1997). "A discussion of "Challenges facing surface water monitoring in Canada" by P.J. Pilon, T.J. Day, T.R. Yuzyk and R.A. Hale, Canadian water resources journal, Vol. 21, No.2, 1996". In: *Canadian Water Resources Journal* 22, pp. 89–93.
- (1998). *Canadian snow and ice studies, 1994-1995*. (copy). International Glaciological Society, p. 13.
- (s. a.). "The delivery of a federal glacier science programme by NRCan and DOE: Supplemental Information". In: *National Hydrology Research Institute. Radarsat*. National Hydrology Research Institute NHRI.
- Demuth, M. N., S. Adam, and A. Pietroniro (1997). *Glacier monitoring using Radarsat*. National Hydrology Research Institute NHRI.
- Demuth, M. N. and S. Munro (1995). "Break-out session: review of glacier related activities in Canada". In: *National Hydrology Research Institute Contribution*, 4 pp.
- Demuth, M. et al. (2008). "Recent and past-century variations in the Glacier resources of the Canadian Rocky Mountains: Nelson River system". In: *Terra Glacialis*, pp. 27–52.
- Denoth, A. et al. (1979). *Study of water drainage from columns of snow*, pp. 1–14.
- Doell, R. R. (1962). "Seismic depth study of the Salmon Glacier, British Columbia". In: *Journal of Glaciology* 4.34, pp. 425–437.
- Dozy, J. J. (1938). "Eine Gletscherwelt in Niederländisch-Neuguinea". In: *Zeitschrift für Gletscherkunde* 26, 45–51 (Separatum).
- Dramis, F. and M. Sorriso-Valvo (1994). "Deep-seated gravitational slope deformations, related landslides and tectonics". In: *Engineering Geology* 38, pp. 231–243.
- Duchesne, F. and A. Pissart (1985). "Valeur statistique des comptages de cailloux de différentes lithologies. Applications aux alluvions actuelles de l'Ourthe". In: *Bulletin de la Société Géographique de Liège* 21, pp. 13–23.
- Dutto, F. and G. Mortara (1991). "Rischi connessi con la dinamica glaciale nell'arco alpino italiano". In: Abstract, 2 pp.
- Dyurgerov, M. B. (1999). "Analysis of winter and summer glacier mass balances". In: *Geografiska Annaler* 81 A, pp. 541–554.
- Dyurgerov, M. B. and D. B. Bahr (1999). "Correlations between glacier properties: finding appropriate parameters for global glacier monitoring". In: *Journal of Glaciology* 45.149, pp. 9–16.

- Dyurgerov, M. B. and J. Dwyer (2000). “The steepening of glacier mass balance gradients with northern hemisphere warming”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 36, pp. 107–118.
- Dyurgerov, M. B. and G. J. McCabe (2006). “Associations between accelerated glacier mass wastage and increased summer temperature in coastal regions”. In: *Arctic, Antarctic and Alpine Research* 38.2, pp. 190–197.
- Dyurgerov, M. B. and M. F. Meier (1997). “Year-to-year fluctuations of global mass balance of small glaciers and their contribution to sea-level changes”. In: *Arctic and Alpine Research* 29.4, pp. 392–402.
- (2000). “Twentieth century climate change: Evidence from small glaciers”. In: *PNAS* 97.4, pp. 1406–1411.
- Dyurgerov, M. B., M. F. Meier, and D. B. Bahr (2009). “A new index of glacier area change: a tool for glacier monitoring”. In: *Journal of Glaciology* 55.192, pp. 710–716. DOI: 10.3189/002214309789471030.
- Echelmeyer, K. (1987). “Some observations on a recent surge of Peters glacier, Alaska, U.S.A.” In: *Journal of Glaciology* 33, 5 pp (Separatum).
- Eicher, U. and U. Siegenthaler (1976). “Palynological and oxygen isotope investigation on late glacial sediment cores from Swiss lakes”. In: *Boreas* 5, pp. 109–117.
- Eisen, O. et al. (2003). “Alpine ice cores and ground penetrating radar: combined investigations for glaciological and climatic interpretation of a cold Alpine ice body”. In: *Tellus* 55B, pp. 1007–1017.
- Eisner, H. and W. Ambach (1981). “Strain rate measurements in a 20m deep firn pit in a temperate glacier (Kesselwandferner, Ötztal Alps, 1967-1978”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 17.5, pp. 169–176.
- (1988). “Radioaktive Ablagerungen im Gletscherfirn”. In: *Österreichischer Alpenverein Mitteilungen* 43.113, pp. 12–13.
- Eisner, H., W. Ambach, and H. Schneider (1984a). “Evaluation of strain rate measurements on a 20m deep firn pit, applying a newtonian model (Kesselwandferner, Ötztal Alps, 1967-1978”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 20, pp. 169–176.
- (1984b). “Time dependent tilt of a 20m deep firn pit”. In: *Polarforschung* 50, pp. 85–93.
- Eisner, H., W. Ambach, H. Schneider, and P. Kirchlechner (1982). “Niveauschwankungen der Wassertafel im Akkumulationsgebiet eines temperierten Gletschers während eines hydrologischen Jahres”. In: *Österreichische Wasserwirtschaft* 34.7/8, pp. 174–177.
- Elsasser, H. (1967). “Untersuchungen an Strukturböden im Kanton Graubünden”. PhD thesis. Universität Zürich.
- Elsberg, D. H. et al. (2001). “Quantifying the effects of climate and surface change on glacier mass balance”. In: *Journal of Glaciology* 47.159, pp. 649–658.
- Elvehøy, H., M. Jackson, and L. M. Andreassen (2009). “The influence of drainage boundaries on specific mass-balance results: a case study of Engabreen, Norway”. In: *Annals of Glaciology* 50, pp. 135–140.



- Embleton, C. (1988). "A comparison of cirque forms between the Austrian Alps and the Highlands of Britain". In: *Geomorphologie. N. F.* 70, pp. 75–93.
- Engelhardt, H. (1987). "Wenn Gletscher plötzlich schnell werden: Bohrlochmessungen klären die einen Surge auslösenden Mechanismus auf". In: *Geowissenschaften in unserer Zeit* 5.6. Organ der Alfred-Wegener-Stiftung, pp. 213–220.
- Ergenzinger, P. (1992). "Riverbed adjustments in a step-pool system: Lainbach, Upper Bavaria". In: *Dynamics of Gravel Bed Rivers*, pp. 416–430.
- Ergenzinger, P. and C. De Jong (1994). "Interrelationships between bedload transfer and river-bed adjustment in mountain river: An example from Squaw Creek, Montana". In: *Process Models and Theoretical Geomorphology*, pp. 141–158.
- Ergenzinger, P., C. De Jong, et al. (1994). "Short term temporal variations in bedload transport rates: Squaw Creek, Montana, USA and Nahal Yatir and Nahal Estemoa, Israel". In: *Lecture Notes in Earth Sciences* 52, pp. 251–264.
- Erismann, Th., H. Heuberger, and E. Preuss (1977). "Der Bimsstein von Köfels (Tirol), ein Bergsturz-"Friktionit"". In: *Tschermarks Mineralogische und Petrographische Mitteilungen* 24, pp. 67–119.
- Escher-Vetter, H., M. Kuhn, and M. Weber (2009). "Four decades of winter mass balance of Vernag/Vernagt and Hintereisferner, Austria: methodology and results". In: *Annals of Glaciology* 50, pp. 87–95.
- Espizua, L. E. and J. D. Bengochea (1990). "Surge of Grande del Nevado glacier (Mendoza, Argentina) in 1984: Its evolution through satellite images". In: *Geografiska Annaler* 72A, pp. 255–259.
- Etzelmüller, B., J. O. Hagen, et al. (1996). "Glacier debris accumulation and sediment deformation influenced by permafrost: examples from Svalbard". In: *Annals of Glaciology* 22, pp. 53–62.
- Etzelmüller, B. and J. L. Sollid (1996). "Long-term mass balance of selected polythermal glaciers on Spitsbergen, Svalbard". In: *Norsk Geografisk Tidsskrift* 50, pp. 55–66.
- (1997). "Glacier geomorphometry - an approach for analyzing long-term glacier surface changes using grid-based digital elevation models". In: *Annals of Glaciology* 24, pp. 135–141.
- Eugster, H. (1973). "Bericht über die Untersuchungen des Blockstroms in der Val Sassa im Schweiz. Nationalpark (GR) von 1917-1971". In: *Ergebnisse der wissenschaftlichen Untersuchungen im Schweizerischen Nationalpark* 11, pp. 368–384.
- Evans, I. S. (2006). "Glacier distribution in the Alps: Statistical modelling of altitude and aspect". In: *Geografiska Annaler* 88 A, pp. 115–133.
- Evans, S. G. and J. J. Clague (1988). "Catastrophic rock avalanches in glacial environments". In: *Proceedings of the 5th International Symposium on Landslides* 2, pp. 1153–1158.
- Evin, M. (1982). *Présence et signification morphoclimatique des sédiments gelés a l'amont des glaciers rocheux.*

- Evin, M. (1986). "Relations entre le mouvement des glaciers rocheux et l'orientation des blocs disposés à leur surface. Un exemple valaisan." In: *Communication à la S.H.F.*
- (1991/1992a). "Glacier et glaciers rocheux dans les vallons de Mongioie et de Schiantala". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 27/28, pp. 1–10.
- (1991/1992b). "Une moraine de refoulement au Viso (Italie)". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 27/28, pp. 11–24.
- Evin, M. and J. L. Beaulieu (1985). *Nouvelles données sur l'âge de la mise en place et les phases d'activité du glacier rocheux de Marinét I (Haute-Ubaye, Alpes du Sud françaises)*, pp. 1–15.
- Evin, M. and D. Fabre (1990). "The distribution of permafrost in rock glaciers of the Southern Alps (France)". In: *Geomorphology* 3, pp. 57–71.
- Eybergen, F. A. (1966). "Glacier snout dynamics and contemporary push moraine formation at the Turtmann glacier, Wallis, Switzerland". In: *Tills and Glaciotectonics*.
- Faeh, R., E. Koella, and F. Naef (1990). "The flood in the Reuss valley in August 1987: A computer aided reconstruction of a flood in a mountainous region". In: *International Conference on River Flood Hydraulics*, pp. 65–74.
- Farinotti, D. et al. (2008). "A method to estimate ice volume and ice thickness distribution of alpine glaciers". In: *Journal of Glaciology* 55.191, pp. 422–430. DOI: 10.3189/002214309788816759.
- Fenn, C. R. and A. M. Gurnell (1987). "Glacio-fluvial Sediment Transfer". In: ed. by A. M. Gurnell and M. J. Clark. John Wiley & Sons Ltd. Chap. Proglacial channel process, pp. 423–472.
- Ficker, E., G. Sonntag, and E. Weber (1980). "Ansätze zur mechanischen Deutung der Rissentstehung bei Parabelrissen und Sichelbrüchen auf glazial geformten Felsoberflächen". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 16, pp. 25–43.
- Finckh, P. and K. Kelts (1976). "Geophysical investigations into the nature of pre-holocene sediment of Lake Zurich". In: *Eclogae Geologicae Helveticae* 69, pp. 139–148.
- Finger, D., G. Heinrich, et al. (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". In: *Water Resources Research* 48, W02521. DOI: 10.1029/2011WR010733.
- Finger, D., F. Pellicciotti, et al. (2011). "The value of glacier mass balance, satellite snow cover images, and hourly discharge for improving the performance of a physically based distributed hydrological model". In: *Water Resources Research* 47, W07519. DOI: 10.1029/2010WR009824.
- Finsterwalder, R. (1954). "Photogrammetry and glacier research with special reference to glacier retreat in the Eastern Alps". In: *Journal of Glaciology* 2.3, pp. 306–315.
- Finsterwalder, S. (1907). "Die Theorie der Gletscherschwankungen". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 2, pp. 81–103.

- Fisch Sen, W., W. Fisch Jun, and W. Haeberli (1977). "Electrical D. C. resistivity soundings with longprofiles on rock glaciers and moraines in the Alps of Switzerland". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 13.1/2, pp. 239–260.
- Fischer, A. (2009). "Calculation of glacier volume from sparse ice-thickness data, applied to Schaufelferner, Austria". In: *Journal of Glaciology* 55.191, pp. 453–460.
- Fischer, A. et al. (2015). "Tracing glacier changes in Austria from the Little Ice Age to the present using a lidar-based high-resolution glacier inventory in Austria". In: *The Cryosphere* 9.2, pp. 753–766. DOI: 10.5194/tc-9-753-2015.
- Fischer, G. et al. (1987). "Etude VLF-R du remplissage quaternaire de la Vallée de Gastern (Alpes Bernoises, Suisse)". In: *Eclogae Geologicae Helveticae* 80, pp. 773–787.
- Fischer, L. et al. (2006). "Geology, glacier retreat and permafrost degradation as controlling factors of slope instabilities in a high-mountain rock wall: the Monte Rosa east face". In: *Natural Hazards and Earth System Sciences* 6, pp. 761–772.
- Fisher, J. E. (1952). "The cold ice tunnel on the Silbersattel, Monte Rosa. Preliminary report". In: *Journal of Glaciology* 2, pp. 193–196.
- (1962). "Two tunnels in cold ice at 4000 m. on the Breithorn". In: *Journal of Glaciology* 4.35, pp. 513–520.
- Fitze, P. (1973). "Erste Ergebnisse neuerer Untersuchungen des Klettgauer Löss". In: *Geographica Helvetica* 2, pp. 96–102.
- Fitze, P. F. (1982). "Zur Relativdatierung von Moränen aus der Sicht der Bodenentwicklung in den kristallinen Zentralalpen". In: *Catena* 9.3/4, pp. 265–306.
- Fitzharris, B., W. J. Lawson, and I. Owens (1999). "Research on glaciers and snow in New Zealand". In: *Progress in Physical Geography* 23.4, pp. 469–500.
- Fliri, F. (1967). "Beiträge zur Kenntnis der zeitlichen und räumlichen Verteilung des Niederschlags in den Alpen in der Periode 1931-1960". In: *9. Internationale Tagung für alpine Meteorologie in Brig und Zermatt 14-17. Sept. 1966*. Vol. 4, pp. 72–79.
- (1971). "Neue klimatologische Querprofile der Alpen - ein Energiehaushalt". In: *Annalen der Meteorologie* 5, pp. 93–97.
- Fliri, F., H. Hilscher, and V. Markgraf (1971). "Weitere Untersuchungen zur Chronologie der alpinen Vereisung (Bänderton von Baumkirchen, Inntal, Nordtirol)". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 7.1-2, pp. 5–38.
- Fontana, F. M. A. et al. (2010). "Perennial snow and ice variations (2000-2008) in the Arctic circumpolar land area from satellite observations". In: *Journal of Geophysical Research* 115, F04020. DOI: 10.1029/2010JF001664.
- Foster, H. L. and G. W. Holmes (1965). "A large transitional rock glacier in the Johnson River Area, Alaska Range". In: *Geological Survey Research*, pp. 112–116.

- Fountain, A. G. et al. (2009). "The 'benchmark glacier' concept - does it work? Lessons from the North Cascade Range, USA". In: *Annals of Glaciology* 50, pp. 163–168.
- Fox, K. F., C. D. Rinehart, and J. C. Engels (1977). "Plutonism and orogeny in north-central Washington - Timing and regional context". In: *Geological Survey Professional Paper* 989, pp. 1–27.
- Francou, B. (1983). "Géodynamique des dépôts de pied de paroi dans l'étage périglaciaire". In: *Revue de Géologie dynamique et de géographie physique* 24, pp. 411–424.
- Francou, B. et al. (2003). "Tropical climate change recorded by a glacier in the central Andes during the last decades of the twentieth century: Chacaltaya, Bolivia, 16°S". In: *Journal of Geophysical Research* 108.D5, p. 4145. DOI: 10.1029/2002JD002959.
- Frech, F. (1901). "Über glaciäre Druck- und Faltungerscheinungen im Oder-Gebiet". In: *Zeitschrift der Gesellschaft für Erdkunde zu Berlin* 36.5, pp. 219–229.
- Frey, H. and F. Paul (2011). "On the suitability of the SRTM DEM and ASTER GDEM for the compilation of topographic parameters in glacier inventories". In: *International Journal of Applied Earth Observation and Geoinformation* 18, pp. 480–490. DOI: 10.1016/j.jag.2011.09.020.
- Fugger, E. (1894). "Eishöhlen und Windröhren". In: *Mitteilungen der Geographischen Gesellschaft in Wien* 37, pp. 99–134.
- Fujii, W. and K. Higuchi (1977). "Statistical analyses of the forms of the glaciers in the Khumbu Himal". In: *Seppyo* 39, pp. 7–14.
- Fujii, Y. (1976). "Field experiment on glacier ablation under a layer of debris cover". In: *Seppyo* 39, pp. 20–21.
- Fujii, Y., M. Nakawo, and M. L. Shrestha (1976). "Mass balance studies of the glaciers in Hidden Valley, Mukut Himal". In: *Sepp* 38, pp. 17–21.
- Fujita, K. et al. (2006). "Thirty-year history of glacier melting in the Nepal Himalayas". In: *Journal of Geophysical Research* 111, p. D03109. DOI: 10.1029/2005JD005894.
- Funk, M., R. Morelli, and W. Stahel (1997). "Mass balance of Griesgletscher 1961-1994: Different methods of determination". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 33.1, pp. 41–56.
- Furrer, G., H. Leuzinger, and K. Ammann (1975). "Klimaschwankungen während des alpinen Postglazials im Spiegel fossiler Böden". In: *Vierteljahrsschrift der Naturforschenden Gesellschaft Zürich* 120, pp. 15–31.
- Galbas, P. U. (1980). *Die glaziale Stauchung in den Ankumer Bergen bei Berge, Kr. Osnabrück*.
- Gamper, M. (1987). "Mikroklima und Solifluktion: Resultate von Messungen im Schweizerischen Nationalpark in den Jahren 1975-1985". In: *Göttinger Geographische Abhandlungen* 84.31, pp. 31–44.
- Gansser, A. (1970). "Lunana. The peaks, glaciers and lakes of northern Bhutan". In: *The Mountain World 1968/1969*.

- Gardelle, J., E. Berthier, and Y. Arnaud (2012). “Slight mass gain of Karakoram glaciers in the early twentieth century”. In: *Nature Geoscience* 5, pp. 322–325. DOI: 10.1038/ngeo1450.
- Gardner, A. S. et al. (2011). “Sharply increased mass loss from glaciers and ice caps in the Canadian Arctic Archipelago”. In: *Nature* 473.7347, pp. 357–360.
- Gardner, J. S. (1986). “Snow as a resource and hazard in early-twentieth-century mining, Selkirk Mountains, British-Columbia”. In: *The Canadian Geographer* 30.3, pp. 217–228.
- Garleff, K. and H. Stingl (1983). “Hangformen und Hangformung in der periglazialen Höhenstufe der argentinischen Anden zwischen 27° und 55° südlicher Breite”. In: *Abhandlungen der Akademie der Wissenschaften in Göttingen* 35, pp. 425–434.
- (1984). “Jungquartäre Klimageschichte und ihre Indikatoren in Südamerika”. In: *Zbl. Geol. Paläont. Teil 1* 11/12, pp. 1769–1775.
- Garleff, K., H. Stingl, and K. Lambert (1983). “Fussflächen- und Terrassentreppen im Einzugsbereich des oberen Río Neuquén, Argentinien”. In: *Geomorphologie. N. F.* 48, pp. 247–259.
- Garnier, B. J. and A. Ohmura (1970). “The evaluation of surface variations in solar radiation income”. In: *Solar Energy* 13, pp. 21–34.
- Geist, T. (2005). “Application of airborne laser scanner technology in glacier research”. PhD thesis. University of Innsbruck. Faculty of Geo- and Atmospheric Sciences.
- Georges, C. (2004). “20th-century glacier fluctuations in the tropical Cordillera Blanca, Perú”. In: *Arctic, Antarctic and Alpine Research* 36.1, pp. 100–107.
- Gerber, E. (1957). “Das Längsprofil der Alpenländer und die Steilenwanderungstheorie”. In: *Geomorphologische Studien, Machatscheck-Festschrift*.
- Gerecke, F. (1932). “Seismische Untersuchungen des Geophysikalischen Institutes in Göttingen. Messungen auf dem Rhönegletscher”. In: *Zeitschrift für Geophysik* 8.1/2, pp. 65–84.
- German, R. (1979). “Beobachtungen am Dauerfrostboden Nordkanadas (Zur Deutung quartärer Sedimente und Formen XIII)”. In: *Gesellschaft für Naturkunde Württemberg* 134, pp. 104–110.
- German, R., R. Hantke, and M. Mader (1979). “Der subrezente Drumlin im Zungenbecken des Biferten-Gletschers (Kanton Glarus, Schweiz) (Zur Deutung quartärer Sedimente und Formen XII)”. In: *Gesellschaft für Naturkunde Württemberg* 134, pp. 96–103.
- German, R. and M. Mader (1976). “Die Äussere Jungendmoräne bei Bad Waldsee und das Riedtal”. In: *Gesellschaft für Naturkunde Württemberg* 131, pp. 39–49.
- Giardino, J. R. and J. D. Vitek (1985). “A statistical interpretation of the fabric of a rock glacier”. In: *Arctic and Alpine Research* 17.2, pp. 165–177.
- (1988). “The significance of rock glaciers in the glacial-periglacial landscape continuum”. In: *Journal of Quaternary Science* 3, pp. 97–103.
- Ginot, P. et al. (2006). “Glacier mass balance reconstruction by sublimation induced enrichment of chemical species on Cerro Tapado (Chilean Andes)”. In: *Climate of the Past* 2, pp. 21–30.

- Glasser, N. F. et al. (2011). "Global sea-level contribution from the Patagonian Icefield since the Little Ice Age maximum". In: *Nature Geoscience* 4, pp. 303–307.
- Graf, K. (1981). "Zum Höhenverlauf der Subnivalstufe in den tropischen Anden, insbesondere in Bolivien und Ecuador". In: *Geomorphologie. N. F.* 37, pp. 1–24.
- Grant, U. S. and D. F. Higgins (1911). "Glaciers of Prince William Sound and the Southern Part of the Kenai Peninsula, Alaska". In: *Bulletin of the American Geographical Society* 43.10, pp. 721–800.
- Grebner, D. (1980). "Starkregensituation vom 7./8. August 1978 im Schweizer Alpenraum; Entwicklung, Bewertung und Vorhersagbarkeit". In: *Interprävent 1980*.
- Greene, A. M. (2005). "A time constant for hemispheric glacier mass balance". In: *Journal of Glaciology* 51.174, pp. 353–362.
- Greene, A. M., W. S. Broecker, and D. Rind (1999). "Swiss glacier recession since the Little Ice Age: Reconciliation with climate records". In: *Geophysical Research Letters* 26.13, pp. 1909–1912.
- Greuell, W. (2001). "Variations with elevation in the surface energy balance on the Pasterze (Austria)". In: *Journal of Geophysical Research* 106.D23, pp. 31, 717–31, 727.
- Greuell, W. and W. H. Knap (1997). "Elevation changes in meteorological variables along a midlatitude glacier during summer". In: *Journal of Geophysical Research* 102.D22, pp. 25, 941–25, 954.
- Greuell, W. and T. Konzelmann (1994). "Numerical modelling of the energy balance and the englacial temperature of the Greenland Ice Sheet. Calculations for the ETH-Camp location (West Greenland, 1155 m a.s.l.)". In: *Global and Planetary Change* 9, pp. 91–114.
- Greuell, W. and J. Oerlemans (1985). "Sensitivity studies with a mass balance model including temperature profile calculations inside the glacier". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 22.2, pp. 101–124.
- Gross, G., H. Kerschner, and G. Patzelt (1976). "Methodische Untersuchungen über die Schneegrenze in alpinen Gletschergebieten". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 12, pp. 223–251.
- Guarnizo, L. F. and J. Ramirez (1991). "Control de ablación de un relicto de glaciar en el volcan Nevado de Ruiz". In: *Observatorio vulcanológico de Colombia*, p. 27.
- Gubler, E. et al. (1981). "Recent crustal movements in Switzerland and their geophysical interpretation". In: *Tectonophysics* 71, pp. 125–152.
- Gubler, H. U. (1974). "On the Rammsonde hardness equation". In: *Symposium at Grindelwald 1974 - Snow Mechanics*.
- Gudmundsson, S., H. Hannesdóttir, and H. Björnsson (2012). "Post-Little Ice Age volume loss of Kotárjökull glacier, SE-Iceland, derived from historical photography". In: *Jökull* 62, pp. 97–110.
- Guglielmin, M. (1991). "I rock glaciers del Passo del Foscagno (Livigno, Sondrio)". In: *Natura Bresciana* 26, pp. 35–47.

- Gundestrup, N. S. (1984). "Bore-hole survey at Dye 3, South Greenland". In: *Journal of Glaciology* 30.106, pp. 282–288.
- Gurnell, A. M. (1982). "The dynamics of suspended sediment concentration in an Alpine pro-glacial stream network". In: *Hydrological aspects of alpine and high mountain areas (Proceedings of the Exeter Symposium, July 1982)*.
- (1987a). "Glacio-fluvial Sediment Transfer". In: ed. by A. M. Gurnell and M. J. Clark. John Wiley & Sons Ltd. Chap. Fluvial sediment yield from alpine, glacierized catchments, pp. 415–420.
- (1987b). "Glacio-fluvial Sediment Transfer". In: ed. by A. M. Gurnell and M. J. Clark. John Wiley & Sons Ltd. Chap. Suspended Sediment, pp. 305–354.
- (1987c). "Glacio-fluvial Sediment Transfer". In: ed. by A. M. Gurnell and M. J. Clark. John Wiley & Sons Ltd. Chap. Introduction, pp. 3–8.
- Habbe, K. A. (1988). "Was kann eine geomorphologische Vollkartierung für die Stratigraphie des Quartärs leisten?" In: *Berliner Geographische Abhandlungen* 47, pp. 177–196.
- Habbe, K. A. and K. Rögner (1989). "The pleistocene Iller Glaciers and their outwash fields". In: *Catena Supplement* 15, pp. 311–328.
- Haerberli, W. (1973). "Die Basis-Temperatur der winterlichen Schneedecke als möglicher Indikator für die Verbreitung von Permafrost in den Alpen". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 9.1-2, pp. 221–227.
- (1976). "Eistemperaturen in den Alpen". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 11.11, pp. 203–220.
- (1980). "Morphodynamische Aspekte aktueller Gletscherhochwasser in den Schweizer Alpen". In: *Basler Geographische Hefte* 20. Separatdruck.
- (1981). "Ice motion on deformable sediments". In: *Journal of Glaciology* 27.96, pp. 365–366.
- (1983a). "Permafrost-glacier relationships in the Swiss Alps - Today and in the past". In: *Permafrost, Fourth International Conference, Fairbanks, Alaska, July 17-22, 1983*.
- (1983b). "Permafrost-glacier relationships in the Swiss Alps - Today and in the past". In: *Fourth International Conference on Permafrost, Fairbanks 1983*.
- (1986). "Factors influencing the distribution of rocky and sedimentary glacier beds". In: *Mitteilungen der Versuchsanstalt für Wasserbau, Hydrologie und Glaziologie* 90, pp. 48–49.
- (1994a). "Mountain Environments in Changing Climates". In: ed. by M. Beniston. Routledge. Chap. Accelerated glacier and permafrost changes in the Alps, pp. 91–107.
- (1994b). "Schwund der Alpengletscher und globaler Treibhauseffekt". In: *Die Alpen* 4, pp. 174–177.
- (1995). "Glacier fluctuations and climate change detection - operational elements of a worldwide monitoring strategy". In: *WMO Bulletin* 44, pp. 23–31.
- (1996). "On the morphodynamics of ice/debris-transport systems in cold mountain areas". In: *Norsk Geografisk Tidsskrift* 50, pp. 3–9.

- Haerberli, W. (2004a). "Glaciers and ice caps: historical background and strategies of world-wide monitoring". In: *Mass balance of the cryosphere*. Cambridge University Press, Cambridge, UK, pp. 559–578.
- (2004b). "Mass balance of the cryosphere". In: ed. by J. L. Bamber and A. J. Payne. Cambridge University Press. Chap. Glaciers and ice caps: historical background and strategies of world-wide monitoring, pp. 559–578.
- Haerberli, W. and C. R. Burn (2002). "Environmental change and geomorphic hazards in forests". In: ed. by R. C. Sidle. CABI Publishing, Wallingford/New York. Chap. Natural hazards in forests: Glacier and permafrost effects as related to climate change, pp. 167–202.
- Haerberli, W., J. Cihlar, and R. G. Barry (2000). "Glacier monitoring within the Global Climate Observing System". In: *Annals of Glaciology* 31, pp. 241–246.
- Haerberli, W. and W. Fisch (1984). "Electrical resistivity soundings of glacier beds: A test study on Grubengletscher, Wallis, Swiss Alps". In: *Journal of Glaciology* 30.106, pp. 373–376.
- Haerberli, W., R. Frauenfelder, M. Hoelzle, et al. (1999). "On rates and acceleration trends of global glacier mass changes". In: *Geografiska Annaler* 81, pp. 585–591.
- Haerberli, W., R. Frauenfelder, A. Kääb, et al. (2004). "Characteristics and potential climatic significance of "miniature ice caps" (crest- and cornice-type low-altitude ice archives)". In: *Journal of Glaciology* 50.168, pp. 129–136.
- Haerberli, W., B. Hallet, et al. (2006). "Permafrost creep and rock glacier dynamics". In: *Permafrost and periglacial processes* 17, pp. 189–214.
- Haerberli, W., M. Hoelzle, et al. (2007). "Integrated monitoring of mountain glaciers as key indicator of global climate change: the European Alps". In: *Annals of Glaciology* 46, pp. 150–160.
- Haerberli, W. and H. Holzhauser (2003). "Alpine glacier mass changes during the past two millenia". In: *Pages News* 11, pp. 13–15.
- Haerberli, W., Ch. Huggel, et al. (2004). "The Kolka-Karmadon rock/ice slide of 20 September 2002: an extraordinary event of historical dimensions in North Ossetia, Russian Caucasus". In: *Journal of Glaciology* 50.171, pp. 533–546.
- Haerberli, W., A. Kääb, et al. (2001). "Prevention of outburst flood from periglacial lakes at Grubengletscher, Valais, Swiss Alps". In: *Journal of Glaciology* 47.156, pp. 111–122.
- Haerberli, W., L. King, and A. Flotron (1979). "Surface movement and lichen-cover studies at the active rock glacier near the Grubengletscher, Wallis, Swiss Alps". In: *Arctic and Alpine Research* 11.4, pp. 421–441.
- Haerberli, W., M. Maisch, and F. Paul (2002a). "Mountain glaciers in global climate-related observation networks". In: *World Meteorological Organization Bulletin* 51, p. 10.
- (2002b). "Mountain glaciers in global climate-related observation networks". In: *Annals of Glaciology* 51.1, pp. 18–25.
- Haerberli, W., P. Müller, et al. (1989). "Glacier fluctuations and climatic change. Proceedings of the symposium on glacier fluctuations and climatic change, held in Amsterdam, 1-5 June 1987". In: ed. by J. Oerlemans. Kluwer Aca-



- demics Publishers. Chap. Glacier changes following the Little Ice Age - A survey of the international data basis and its perspectives, pp. 77–101.
- Haerberli, W. and G. Patzelt (1982). “Permafrostkartierung im Gebiet der Hochebenkar-Blockgletscher, Obergurgl, Ötztaler Alpen”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 18.2, pp. 127–150.
- Haerberli, W. and F. Paul (2008). “Spatial variability of glacier elevation changes in the Swiss Alps obtained from two digital elevation models”. In: *Geophysical Research Letters* 35, p. L21502. DOI: 10.1029/2008GL034718.
- Haerberli, W. and U. Penz (1985a). “An attempt to reconstruct glaciological and climatological characteristics of 18 ka BP ice age glaciers in an around the Swiss Alps”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 21, pp. 351–361.
- (1985b). “An attempt to reconstruct glaciological and climatological characteristics of 18 KA BP ice age glaciers in and around the Swiss Alps”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 21, pp. 351–361.
- Haerberli, W., W. Rellstab, and W. D. Harrison (1984). “Geothermal effects of 18 ka BP ice conditions in the Swiss Plateau”. In: *Annals of Glaciology* 5, pp. 56–60.
- Haerberli, W. and H. Röthlisberger (1975). “Beobachtungen zum Mechanismus und zu den Auswirkungen von Kalbungen am Gruebengletscher (Saastal, Schweiz)”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 11.2, pp. 221–228.
- Haerberli, W. and Ch. Schlüchter (1987). “Geological evidence to constrain modelling of the Late Pleistocene Rhonegletscher (Switzerland)”. In: *The Physical Basis of Ice Sheet Modelling (Proceedings of the Vancouver Symposium, August 1987)*. IAHS, pp. 333–345.
- Haerberli, W. and J. Schweizer (1988). “Rhonegletscher 18650: Eismechanische Ueberlegungen zu einem historischen Gletscherstand”. In: *Mitteilungen der Versuchsanstalt für Wasserbau und Erdbau, ETHZ* 94, pp. 59–69.
- Haerberli, W. and H. J. Zumbühl (2003). “Welt der Alpen - Gebirge der Welt”. In: ed. by F. Jeanneret. Haupt. Chap. Schwankungen der Alpengletscher im Wandel von Klima und Perzeption, pp. 77–92.
- Haerberli, Wilfried, Josef Cihlar, and Roger G. Barry (2000). “Glacier monitoring within the Global Climate Observing System”. In: *Annals of Glaciology* 31, pp. 241–246. DOI: 10.3189/172756400781820192.
- Haefeli, R. (1942). “Spannungs- und Plastizitätserscheinungen der Schneedecke unter besonderer Berücksichtigung der Schneedruckberechnung und verwandter Probleme der Erdbauforschung”. In: *Schweizer Archiv für angewandte Wissenschaft und Technik* 8.9-12, pp. 1–46.
- (1954). “Kriechprobleme im Boden, Schnee und Eis”. In: *Wasser- und Energiewirtschaft* 30, pp. 3–19.
- (1960). “Zur Entwicklung der Schnee- und Gletscherforschung”. In: *Wasser- und Energiewirtschaft* 8, pp. 1–10.
- Haefeli, R. and P. Kasser (1952). “Glaziale Beobachtungen am Grossen Aletschgletscher”. In: *Schweizerische Bauzeitung* 70.35, pp. 1–3.

- Hagen, J. O. (1987). "Glacier surge at Usherbreen, Svalbard". In: *Polar Research* 5, pp. 239–252.
- Hagen, J. O. and O. Liestøl (1990). "Long-term glacier mass-balance investigations in Svalbard, 1950-88". In: *International Glaciological Society* 14, pp. 102–106.
- Hall, M. H. P. and D. B. Fagre (2003). "Modeled climate-induced glacier change in Glacier National Park, 1850-2100". In: *BioScience* 53.2, pp. 131–140.
- Hallet, B. (1975). "Subglacial silica deposits". In: *Nature* 254.5502, pp. 682–683.
- (1976a). "Deposits formed by subglacial precipitation of CaCO<sub>3</sub>". In: *Geological Society of America Bulletin* 87, pp. 1003–1015.
- (1976b). "The effect of subglacial chemical processes on glacier sliding". In: *Journal of Glaciology* 17, pp. 209–221.
- Hallet, B., R. Lorrain, and R. Souchez (1978). "The composition of basal ice from a glacier sliding over limestones". In: *Geological Society of America Bulletin* 89, pp. 314–320.
- Hambrey, M. J. and K. Swett (1982). "Rock glaciers in Northern Spitsbergen: A reply". In: *Journal of Geology* 90, pp. 214–218.
- Hamès, V. et al. (1987). "Variations dilatométriques de roches soumises à des cycles "humidification-séchage"". In: *Géographie physique et Quaternaire* 41, pp. 345–354.
- Hanna, E. et al. (2013). "Ice-sheet mass balance and climate change". In: *Nature* 498, pp. 51–59.
- Hanshaw, B. B. and B. Hallet (1978). "Oxygen isotope composition of subglacial precipitated calcite: Possible paleoclimatic implications". In: *Science* 200, pp. 1267–1270.
- Hantke, R. (1977). "Eiszeitliche Stände des Rhone-Gletschers im westlichen Schweizerischen Mittelland". In: *Ber. Naturf. Ges. Freiburg i. Br.* 67, pp. 75–83.
- (1980). "Die obere Süsswassermolasse der Schweiz, ihr Paläorelief und ihre stratigraphische Fortsetzung in die Vogesen-Schüttung". In: *Vierteljahrsschrift der Naturforschenden Gesellschaft in Zürich* 125.4, pp. 365–374.
- (1984). "Zur Erdgeschichte der Albiskette". In: *Der Üetliberg*, pp. 17–28.
- (1987a). "Die Alpen im Eiszeitalter". In: *Mitteilungen der Naturforschenden Gesellschaft Luzern* 29, pp. 77–98.
- (1987b). "Relief- und Talgeschichte des Randen-Berglandes (Kt. Schaffhausen und badische Grenzgebiete zwischen Schwarzwald und Hegau)". In: *Eiszeitalter und Gegenwart* 37, pp. 47–56.
- Hantke, R., F. Hofmann, and G. Rahm (1987). "Wie weit reichte das risszeitliche Eis auf der Ostabdachung des Südschwarzwaldes?" In: *Jahresheft geol. Landesamt Baden-Württemberg* 29, pp. 39–46.
- Hantke, R. and G. Rahm (1976). "Das frühe Spätglazial in den Quellästen der Alb (Südlicher Schwarzwald)". In: *Vierteljahrsschrift der Naturforschenden Gesellschaft in Zürich* 121, pp. 293–299.
- Happoldt, H. and L. Schrott (1989). "Globalstrahlung und Bodentemperaturen in der periglazialen Höhenstufe am Aconcagua, argentinische Hochanden". In: *Bayreuther Geowissenschaftliche Arbeiten* 14, pp. 35–45.

- Harrison, W. D., L. R. Mayo, and D. C. Trabant (1973). "Temperature measurements on Black Rapids Glacier, Alaska, 1973". In: *Climate of the Arctic Twenty Fourth Alaska Science Conference, August 15-17, 1973*, pp. 350–352.
- Hasholt, B. (1986). "Mapping of the Mitdluagkat glacier and some hydro-glaciological observations". In: *Geografisk Tidsskrift* 86, pp. 9–16.
- (1988). "Massbalance studies of the Mitdluagkat glacier, Eastern Greenland". In: *Geografisk Tidsskrift* 88, pp. 82–85.
- Hastenrath, S. (1977a). "Observations on soil frost phenomena in the Peruvian Andes". In: *Geomorphologie. N. F.* 21.3, pp. 357–362.
- (1977b). "Pleistocene mountain glaciation in Ethiopia". In: *Journal of Glaciology* 18, pp. 309–313.
- (1978). "Heat-budget measurements on the Quellccaya Ice Cap, Peruvian Andes". In: *Journal of Glaciology* 20, pp. 85–97.
- (1982). "On meridional heat transports in the world ocean". In: *Journal of Physical Oceanography* 12.8, pp. 922–927.
- (1983). "Diurnal thermal forcing and hydrological response of Lewis Glacier, Mount Kenya". In: *Archiv für Meteorologie, Geophysik und Bioklimatologie* 32, pp. 361–373.
- Hastenrath, S. and R. A. Caukwell (1979). "Variations of Lewis Glacier, Mount Kenya, 1974-78". In: *Erdkunde* 33, pp. 292–297.
- (1987). "Variations of Lewis glacier, Mount Kenya, 1982-86". In: *Erdkunde* 41, pp. 37–41.
- Hastenrath, S. and B. Koci (1981). "Micro-morphology of the snow surface at the Quellccaya Ice Cap, Peru". In: *Journal of Glaciology* 27, pp. 423–427.
- Hastenrath, S. and P. Kruss (1979). "Dynamics of crevasse pattern at Lewis Glacier, Mount Kenya". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 15, pp. 201–207.
- (1982). "On the secular variation of ice flow velocity at Lewis Glacier, Mount Kenya, Kenya". In: *Journal of Glaciology* 28, pp. 33–339.
- Hastenrath, S. and D. Polzin (2003/2004). "Volume decrease of Lewis Glacier, Mount Kenya, 1978-2004". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 39, pp. 133–139.
- Hastenrath, S. and R. Rostom (1990). "Variations of the Lewis and Gregory glaciers, Mount Kenya, 1978-86-90". In: *Erdkunde* 44, pp. 313–318.
- Hastenrath, S., R. S. Rostom, and W. F. Hime (1995). "Variations of the Lewis and Gregory glaciers, Mount Kenya, 1990-1993". In: *Erdkunde* 49, pp. 60–62.
- Hastenrath, S., R. Rostom, and R. A. Caukwell (1989). "Variations of Mount Kenya's glaciers 1963-87". In: *Erdkunde* 43, pp. 202–210.
- Hastenrath, S. and M. Wu (1982). "Oscillations of upper-air circulation and anomalies in the surface climate of the tropics". In: *Archiv für Meteorologie, Geophysik und Bioklimatologie* 31, pp. 1–37.
- Hastenrath, S., M. Wu, and P. Chu (1984). "Towards the monitoring and prediction of north-east Brazil droughts". In: *Quarterly Journal of the Royal Meteorological Society* 110, pp. 411–425.

- Hayakawa, Y. S., T. Oguchi, and Z. Lin (2008). "Comparison of new and existing global digital elevation models: ASTER G-DEM and SRTM-3". In: *Geophysical Research Letters* 35, p. L17404. DOI: 10.1029/2008GL035036.
- Heimann, M. (1997). "A Review of the Contemporary Global Carbon Cycle and as Seen a Century Ago by Arrhenius and Högbom". In: *Ambio* 26.1, pp. 17–24.
- Heliker, C. C., A. Johnson, and S. M. Hodge (1984). "The Nisqually Glacier, Mount Rainier, Washington, 1857–1979: A summary of the long-term observations and a comprehensive bibliography". In: *Open-file report by the Department of Interior Geological Survey* 83-541. in Nisqually Glacier folder.
- Heller, F. and W. Junda (1991). "Magnetism of quaternary sediments: Loess in China". In: *Special Proceedings Review Reports for Symposia of the XIII International Congress*. International Union for Quaternary Research, pp. 88–95.
- Henoch, W. E. S. (1969). "Topographic Maps of Canada in Glaciological Research". In: *Canadian Cartographer*. 55th ser. 6, pp. 118–130.
- Hertig, P. (1994). "Wo sich weise Häupter versammeln". In: *Illustrierte Sonntagsbeilage zum Oberländischen Volksblatt und Echo von Grindelwald* 93.7, p. 3.
- Heuberger, H. (1975a). "2. Innsbrucker Nordkette: Forstprobleme und Lawinenschutz, Trinkwasserversorgung, Höttinger Breccie". In: *Innsbrucker Geographische Studien* 2, pp. 43–65.
- (1975b). "Das Ötztal. Bergstürze und alte Gletscherstände, kulturgeographische Gliederung". In: *Innsbrucker Geographische Studien* 2, pp. 213–230.
- (1977). "Zur Gletscher- und Landschaftsgeschichte". In: *Böden des inneralpinen Trockengebietes in den Räumen oberes Inntal und mittleres Ötztal*, pp. 10–23.
- (1980a). "Höhengrenzen in Hochgebirgen. Arbeiten aus dem Geograph. Institut der Universität des Saarlandes". In: ed. by H. Heuberger. Jentsch, Ch. and Liedtke, H. Chap. Die Schneegrenze als Leithorizont in der Geomorphologie, pp. 35–48.
- (1980b). "Zur Nomenklatur der Glazialablagerungen aus ostalpiner Sicht". In: *Verhandlungen des naturwissenschaftlichen Vereins Hamburg* 23, pp. 93–100.
- (1986). "Der Bergsturz von Khumdschung, Mount-Everest-Gebiet, Nepal". In: *Material und Technik* 14.3, pp. 175–181.
- Heuberger, H. and W. Schwachhöfer (1988). "Das Gebiet des eiszeitlichen Salzachvorlandgletschers und seine landwirtschaftliche Nutzung". In: *Salzburg Mittlere Ostalpen*, pp. 40–45.
- Hewitt, K. (1988). "Catastrophic landslide deposits in the Karakoram Himalaya". In: *Science* 242, pp. 64–67.
- Hewitt, K. et al. (1989). "Hydrological investigations at Biafo glacier, Karakoram range, Himalaya; an important source of water for the Indus river". In: *Annals of Glaciology* 13, pp. 103–108.

- Higgins, A. K. and A. Weidick (1988). “The world’s northernmost surging glacier?” In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 24, pp. 111–123.
- Hirabayashi, Y., P. Döll, and S. Kanae (2010). “Global-scale modelling of glacier mass balances for water resources assessments: Glacier mass changes between 1948 and 2006”. In: *Journal of Hydrology* 390, pp. 245–256. DOI: 10.1016/j.jhydrol.2010.07.001.
- Hock, R. (2005). “Glacier melt: a review of processes and their modelling”. In: *Progress in Physical Geography* 29.3, pp. 362–391. DOI: 10.1191/0309133305pp453ra.
- Hock, R., D. Kootstra, and C. Reijmer (2007). “Deriving glacier mass balance from accumulation area ratio on Storglaciären, Sweden”. In: *Glacier mass balance changes and meltwater discharge (selected papers from sessions at the IAHS Assembly in Foz do Iguacu, Brazil. 2005) IAHS Publ. 318*.
- Hodge, S. M. (1974). “Variations in the sliding of a temperate glacier”. In: *Journal of Glaciology* 13.69. in Nisqually glacier folder, pp. 349–369.
- Hoock, E. (1947). “Die Entwicklung des Wasserwertes der Schneedecke im Einzugsgebiete der Limmat im Winter 1946/47”. In: *Wasser- und Energiewirtschaft* 4, pp. 3–8.
- Hoelzle, M., T. Chinn, et al. (2007). “The application of glacier inventory data for estimating past climate change effects on mountain glaciers: A comparison between the European Alps and the Southern Alps of New Zealand”. In: *Global and Planetary Change* 56, pp. 69–82.
- Hoelzle, M., M. Dischl, and R. Frauenfelder (2000). “Weltweite Gletscherbeobachtung als Indikator der globalen Klimaerwärmung”. In: *Vierteljahrsschrift der Naturforschenden Gesellschaft in Zürich* 145.1, pp. 5–12.
- Hoelzle, M., W. Haeberli, et al. (2003a). “Secular glacier mass balances derived from cumulative glacier length changes”. In: *Global and Planetary Change* 36, pp. 295–306. DOI: 10.1016/S0921-8181(02)00223-0.
- (2003b). “Secular glacier mass balances derived from cumulative glacier length changes”. In: *Global and Planetary Change* 36, pp. 295–306. DOI: 10.1016/S0921-8181(02)00223-0.
- Hoelzle, M. and M. Trindler (1998). “Into the second century of world glacier monitoring: prospects and strategies”. In: ed. by W. Haeberli. UNESCO. Chap. Data management and application, pp. 53–72.
- Hoffman, J. S., D. Keyes, and J. G. Titus (1983). *Projecting future sea level rise. Methodology, estimates to the year 2100, and research needs*. Tech. rep. U.S. Environmental Protection Agency.
- Hoinkes, H. (1953). “Zur Frage der Schmutzbänder auf den Gletscherzungen”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 2.2, pp. 177–184.
- (1964). “Research in Geophysics Volume 2: Solid Earth and Interface Phenomena”. In: *Research in Geophysics*. Ed. by H. Odishaw. Vol. 2. The Massachusetts Institute of Technology. Chap. Glacial meteorology, pp. 391–424.
- (1967). “Gletscherschwankungen und Wetter in den Alpen”. In: *9. Internationale Tagung für alpine Meteorologie in Brig und Zermatt 14-17. Sept. 1966*. Vol. 4, pp. 9–24.

- Hoinkes, H. (1970). "Ergebnisse des glazial-meteorologisch-hydrologischen IHD-Programmes im Rofental bei Vent 1964-1968". In: *Österreichische Wasserwirtschaft* 22.5/6, pp. 101–113.
- (1971a). "Die Alpen, farbig". In: ed. by H. König. Umschau / Pinguin. Chap. Gletscher und Lawinen in den Alpen, pp. 9–20.
- (1971b). "Über Beziehungen zwischen der Massenbilanz des Hintereisferners (Ötztaler Alpen, Tirol) und Beobachtungen der Klimastation Vent". In: *Annalen der Meteorologie* 5, pp. 259–264.
- (1972a). "Die Ausbrüche (Surges) des Kolka-Gletschers in Nord-Ossetien, Zentraler Kaukasus". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 8.1-2, pp. 253–270.
- (1972b). "Zeichen der Natur. Das grosse Buch der Naturvorgänge". In: ed. by W. Gerlach. Gerlach, W. Chap. Gletscher und Lawinen, pp. 165–177.
- Hoinkes, H., E. Dreiseitl, and H. P. Wagner (1974). "Mass balance of Hintereisferner and Kesselwandferner 1963/64 to 1972/73 in relation to the climatic environment. Preliminary results of the combined water, ice and heat balances project in the Rofental". In: *IHD - Activities in Austria 1965-1974*, pp. 42–53.
- Hoinkes, H., F. Howorka, and W. Schneider (1967). "Glacier mass budget and mesoscale weather in the Austrian Alps 1964 to 1966". In: *Commission of Snow and Ice. General Assembly Bern, Sept.-Oct. 1967*, pp. 241–254.
- Hoinkes, H. and H. Lang (1962). "Winterschneedecke und Gebietsniederschlag 1957/58 und 1958/59 im Bereich des Hintereis- und Kesselwandferners (Ötztaler Alpen)". In: *Archiv für Meteorologie, Geophysik und Bioklimatologie* 11.4, pp. 424–446.
- Hoinkes, H., A. Lässer, and G. Patzelt (1975). "Hochwasser und Lawinenschutz in Tirol". In: Land Tirol. Chap. Die Vergletscherung der Zillertaler Alpen, ihre Veränderungen und ihr Einfluss auf die Hydrologie, pp. 321–334.
- Hoinkes, H. and R. Rudolph (1960). "Abfluss und Ablation am Rotmoosferner (Ötztaler Alpen, 28. August bis 6. September 1955)". In: *Wetter und Leben* 12, p. 14.
- Hoinkes, H. and G. Wendler (1966). "Die Berechnung des Strahlungsanteils an der Ablation im Gebiet des Hintereis- und Kesselwandferners (Ötztaler Alpen) im Sommer 1958". In: *9. Internationale Tagung für alpine Meteorologie in Brig und Zermatt 14-17. Sept. 1966*. Vol. 4, pp. 43–45.
- (1968). "Der Anteil der Strahlung an der Ablation von Hintereis- und Kesselwandferner (Ötztaler Alpen, Tirol) im Sommer 1958". In: *Archiv für Meteorologie, Geophysik und Bioklimatologie* 16, pp. 195–236.
- Höllermann, P. (1968). "Die rezenten Gletscher der Pyrenäen". In: *Geographica Helvetica* 23, pp. 157–168. DOI: 10.5194/gh-23-157-1968, 1968.
- (1983). "Probleme der Blockgletscherforschung. Referat der Diskussionsbeiträge". In: *Abhandlungen der Akademie der Wissenschaften in Göttingen* 35, pp. 151–159.
- Holmlund, P. (1996). "Maps of Storglaciären and their use in glacier monitoring studies". In: *Geografiska Annaler* 78 A.2-3, pp. 193–196.

- Holmlund, P. and M. Eriksson (1989). “The cold surface layer on Storglaciären”. In: *Geografiska Annaler* 71.3-4, pp. 241–244.
- Holzhauser, H., M. Magny, and H. J. Zumbühl (2005). “Glacier and lake-level variations in west-central Europe over the last 3500 years”. In: *The Holocene* 15.6, pp. 789–801.
- Holzhauser, H. and W. Wetter (1982). “Auswertung historischer Quellen zur jüngsten Gletschergeschichte”. In: *Physische Geographie* 1, pp. 49–60.
- Hooke, R. L. (1976). “Near-surface temperatures in the superimposed ice zone and lower part of the soaked zone of polar ice sheets”. In: *Journal of Glaciology* 16, pp. 302–304.
- Hooke, R. L., G. W. Johnson, et al. (1987). “Changes in mass balance, velocity, and surface profile along a flow line on Barnes Ice Cap, 1970-1984”. In: *Canadian Journal of Earth Sciences* 24, pp. 1550–1561.
- Hooke, R. L., B. Wold, and J. O. Hagen (1985). “Subglacial hydrology and sediment transport at Bondhusbreen, southwest Norway”. In: *Geological Society of America Bulletin* 96, pp. 388–397.
- Hoppe, G. and V. Schytt (1953). “Some observations on fluted moraine surfaces”. In: *Geografiska Annaler* 35.2, pp. 105–115.
- Horai, K. (1969). “Effect of past climatic changes on the thermal field of the earth”. In: *Earth and Planetary Science Letters* 6, pp. 39–42.
- Hormes, A., B. U. Müller, and C. Schlüchter (2001). “The Alps with little ice: evidence for eight Holocene phases of reduced glacier extent in the Central Swiss Alps”. In: *The Holocene* 11.3, pp. 255–265.
- Huang, M. (1991). “Progress in the studies on physics of glaciers in China in the last ten years”. In: *Chinese Science Bulletin* 36.5, pp. 353–358.
- Hugel, C., J. L. Ceballos, et al. (2007). “Review and reassessment of hazards owing to volcano-glacier interactions in Colombia”. In: *Annals of Glaciology* 45, pp. 128–136.
- Hugel, C., W. Haeberli, et al. (2003). “Assessment of glacier hazards and glacier runoff for different climate scenarios based on remote sensing data: A case study for a hydropower plant in the Peruvian Andes”. In: *EARSeL Workshop, Observing our cryosphere from space, Bern, 11.3.-13.3.2002*.
- Hugel, C., S. Zraggen-Oswald, et al. (2005). “The 2002 rock/ice avalanche at Kolka/Karmadon, Russian Caucasus: assessment of extraordinary avalanche formation and mobility, and application of QuickBird satellite imagery”. In: *Natural Hazards and Earth System Sciences* 5, pp. 173–187.
- Hughes, P. D. (2007). “Recent behaviour of the Debeli Namet glacier, Durmitor, Montenegro”. In: *Earth Surface Processes and Landforms* 32, pp. 1593–1602. DOI: 10.1002/esp.1537.
- Huss, M. (2011). “Present and future contribution of glacier storage change to runoff from macromacro drainage basins in Europe”. In: *Water Resources Research* 47, W07511. DOI: 10.1029/2010WR010299.
- (2013). “Density assumptions for converting geodetic glacier volume change to mass change”. In: *The Cryosphere* 7, pp. 877–887. DOI: 10.5194/tc-7-877-2013, 2013.

- Huss, M., A. Bauder, and M. Funk (2009). “Homogenization of long term mass balance time series”. In: *Annals of Glaciology* 50.50, pp. 198–206. DOI: 10.3189/172756409787769627.
- Huss, M., A. Bauder, M. Werder, et al. (2007). “Glacier-dammed lake outburst event of Gornersee, Switzerland”. In: *Journal of Glaciology* 53.181, pp. 189–200.
- Huss, M., L. Dhulst, and A. Bauder (2015). “New long-term mass balance series for the Swiss Alps”. In: *Journal of Glaciology*, 13 pp.
- Huss, M. and D. Farinotti (2012). “Distributed ice thickness and volume of all glaciers around the globe”. In: *Journal of Geophysical Research* 117, F04010. DOI: 10.1029/2012JF002523.
- Huss, M. and M. Fischer (2016). “Sensitivity of very small glaciers in the Swiss Alps to future climate change”. In: *Frontiers in Earth Science* 4, p. 34.
- Huss, M., R. Hock, et al. (2012). “Conventional versus reference-surface mass balance”. In: *Journal of Glaciology* 58.208, pp. 278–286.
- Huss, M., R. Stöckli, et al. (2008). “Temporal and spatial changes of Laika Glacier, Canadian Arctic, since 1959, inferred from satellite remote sensing and mass-balance modelling”. In: *Journal of Glaciology* 54.188, pp. 857–866.
- Huss, M., M. Zemp, et al. (2014). “High uncertainty in 21st century runoff projection from glacierized basins”. In: *Journal of Hydrology* 510, pp. 35–48.
- Hutter, K. (1979). “Stoffgleichungen von Eis”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 15.1, pp. 47–63.
- (1980a). “A note on rate process theory and creep response of ice”. In: *Cold Regions Science and Technology* 3, pp. 335–336.
- (1980b). “Time-dependent surface elevation of an ice slope”. In: *Journal of Glaciology* 25.92, pp. 247–266.
- (1982a). “A mathematical model of polythermal glaciers and ice sheets”. In: *Geophysical and Astrophysical Fluid Dynamics* 21, pp. 201–224.
- (1982b). “Dynamics of glaciers and large ice masses”. In: *Ann. Rev. Fluid Mech.* 14, pp. 87–130.
- Hutter, K. and T. Alts (1985). “Ice and snow mechanics. A challenge to theoretical and applied mechanics”. In: *Theoretical and Applied Mechanics*, pp. 163–217.
- Hutter, K., H. Blatter, and M. Funk (1988). “A model computation of moisture content in polythermal glaciers”. In: *Journal of Geophysical Research* 93, pp. 205–214.
- Hutter, K., F. Legerer, and U. Spring (1981). “First-order stresses and deformations in glaciers and ice sheets”. In: *Journal of Glaciology* 27.96, pp. 227–270.
- Hutter, K. and V. O. S. Olunloyo (1980). “On the distribution of stress and velocity in an ice strip, which is partly sliding over and partly adhering to its bed, by using a Newtonian viscous approximation”. In: *Proceedings Royal Society London* 373, pp. 385–403.



- Hutter, K. and L. Vulliet (1985). "Gravity-driven slow creeping flow of a thermoviscous body at elevated temperatures". In: *Journal of Thermal Stresses* 8, pp. 99–138.
- Iken, A. (1972). "Measurements of water pressure in moulins as part of a movement study of the White Glacier, Axel Heiberg Island, Northwest Territories, Canada". In: *Journal of Glaciology* 11.61, pp. 53–58.
- (1973). "Schwankungen der Oberflächengeschwindigkeit des White Glacier, Axel Heiberg Island. In Zusammenhang mit Schwankungen der Wasserführung von Gletscherbächen und des Wasserdruckes in Gletschermühlen". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 9.1-2, pp. 207–219.
- Iken, A. and R. A. Bindschadler (1986). "Combined measurements of subglacial water pressure and surface velocity of Findelengletscher, Switzerland: Conclusions about drainage system and sliding mechanism". In: *Journal of Glaciology* 32.110, pp. 101–119.
- Iken, A. and M. Truffer (1997). "The relationship between subglacial water pressure and velocity of Findelengletscher, Switzerland, during its advance and retreat". In: *Journal of Glaciology* 43.144, pp. 328–338.
- Inainte, C. (1989). "Muntii Retezat. Studiu Geomofologic". PhD thesis. Universitatea "Al. I. Cuza" IASI.
- Ives, J. D. (1962). "Permafrost in Central Labrador-Ungava". In: *Journal of Glaciology* 3, pp. 789–790.
- Ives, J. D. et al. (1976). "Natural hazards in Mountain Colorado". In: *Annals of the Association of American Geographers* 66, pp. 129–144.
- Jackson, L. E. and J. J. Clague (1991). "The Cordilleran Ice Sheet". In: *Géographie physique et Quaternaire* 45.3, pp. 270–280.
- Jackson, L. E. and J. S. Isobe (1990). "Rock Avalanches in the Pelly Mountains, Yukon Territory". In: *Current Research*, pp. 263–269.
- Jackson, L. E. and G. M. Macdonald (1980). "Movement of an Ice-Cored Rock Glacier, Tungsten, N.W.T., Canada, 1963-1980". In: *Arctic* 33.4, pp. 842–847.
- Jackson, L. E., G. M. MacDonald, and M. C. Wilson (1982). "Paraglacial origin for terraced river sediments in Bow Valley, Alberta". In: *Canadian Journal of Earth Sciences* 19.12, pp. 2219–2231.
- Jackson, L. E., B. Ward, et al. (1991). "The Last Cordilleran Ice Sheet In Southern Yukon Territory". In: *Géographie physique et Quaternaire* 45.3, pp. 341–354.
- Jacob, T. et al. (2012). "Recent contribution of glaciers and ice caps to sea level rise". In: *Nature* 482, pp. 514–518.
- Jacobsen, F. M. and W. H. Theakstone (1995). "The use of planimetric surface area in glacier mass-balance calculations: a potential source of errors". In: *Journal of Glaciology* 41.139, pp. 441–445.
- Jaeggi, M. N. R. (1988). "Sicherheitsüberlegungen im Flussbau". In: *wasser, energie, luft - eau, énergie, air* 9, pp. 193–197.
- (1989). "Die Rheinmündung heute und morgen". In: *Vermessung, Photogrammetrie, Kulturtechnik*. 1, pp. 21–23.

- Jaeggi, M. N. R. and B. Zarn (1990). “A new policy in designing flood protection schemes as a consequence of the 1987 flood in the Swiss Alps”. In: *International Conference on River Flood Hydraulics*, pp. 75–84.
- Jahn, A. (1979). “On holocene and present-day morphogenetic processes in the Tatra Mountains”. In: *Studia Geomorphologica Carpatho-Balcanica* 13, pp. 11–129.
- Jahn, A. and M. Cielinska (1975). “The rate of soil movement in the Sudety Mountains”. In: *Abhandlungen der Akademie der Wissenschaften in Göttingen* 3.29, pp. 86–101.
- Jakobsson, M. et al. (2008). “An improved bathymetric portrayal of the Arctic Ocean: Implications for ocean modelling and geological, geophysical and oceanographic analyses”. In: *Geophysical Research Letters* 35, 5 pp.
- Jansson, P. (1999). “Effect of uncertainties in measured variables on the calculated mass balance of Storglaciären”. In: *Geografiska Annaler* 81.4, pp. 633–642.
- Jansson, P. and R. Pettersson (2007). “Spatial and temporal characteristics of a long mass balance record, Storglaciären, Sweden”. In: *Arctic, Antarctic and Alpine Research* 39, pp. 432–437.
- Jayet, A. (1946). “Les stades de retrait würmiens aux environs de Genève”. In: *Eclogae Geologicae Helveticae* 39.2, pp. 237–244.
- (1966). *Résumé de géologie glaciaire régionale*, pp. 1–56.
- Jeanneret, F. (1975). “Blockgletscher in den Südalpen Neuseelands”. In: *Geomorphologie. N. F.* 19.1, pp. 83–94.
- Jezek, K. C. et al. (1978). “Dielectric permittivity of glacier ice measured in situ by radar wide-angle reflection”. In: *Journal of Glaciology* 21.85, pp. 315–329.
- Jianzhong, S. (1988). “Environmental Geology in Loess Areas of China”. In: *Environmental Geology and Water Sciences* 12.1, pp. 49–61.
- Joerg, P. C. (2011). “Airborne laser scanning im Einsatz der Glaziologie am Findelengletscher”. In: *Géomatique Suisse* 9, pp. 444–447.
- Joerin, U. E., T. F. Stocker, and C. Schlüchter (2006). “Multicentury glacier fluctuations in the Swiss Alps during the Holocene”. In: *The Holocene* 16.5, pp. 697–704.
- Jóhannesson, T., C. Raymond, and E. Waddington (1989a). “Glacier fluctuations and climatic change. Proceedings of the symposium on glacier fluctuations and climatic change, held in Amsterdam, 1-5 June 1987”. In: ed. by J. Oerlemans. Vol. 6. Kluwer Academics Publishers. Chap. A simple method for determining the response time of glaciers, pp. 343–352.
- (1989b). “Time-scale for adjustment of glaciers to changes in mass balance”. In: *Journal of Glaciology* 35.121, pp. 355–369.
- Johnson, J. P. and W. G. Nickling (1979). “Englacial temperature and deformation of a rock glacier in the Kluane Range, Yukon Territory, Canada”. In: *Canadian Journal of Earth Sciences* 16.12, pp. 2275–2283.
- Johnson, P. G. (1974). “Mass movement of ablation complexes and their relationships to rock glaciers”. In: *Geografiska Annaler* 56.1-2, pp. 93–101.
- (1975). “Mass movement processes in Metalline Creek, Southwest Yukon Territory”. In: *Arctic and Alpine Research* 28.2, pp. 130–139.

- Johnson, P. G. (1980a). “Glacier-rock glacier transition in the Southwest Yukon Territory, Canada”. In: *Arctic and Alpine Research* 12.2, pp. 195–204.
- (1980b). “Rock glaciers: glacial and non-glacial origins”. In: *World Glacier Inventory. Proceedings of the Riederalp Workshop, September 1978*.
- (1984). “Paraglacial conditions of instability and mass movement. A discussion.” In: *Geomorphologie. N. F.* 28.2, pp. 235–250.
- Jones, H. G. (2008). “From commission to association: the transition of the International Commission on Snow and Ice (ICSI) to the International Association of Cryospheric Sciences”. In: *Annals of Glaciology* 48, p. 5.
- Jones, P. D. and M. E. Mann (2004). “Climate over past millenia”. In: *Reviews of Geophysics* 42, p. 42.
- Jordan, E. (1979). “Grundsätzliches zum Unterschied zwischen tropischem und aussertropischem Gletscher unter besonderer Berücksichtigung der Gletscher Boliviens”. In: *Erdkunde* 33, pp. 297–309.
- (1982). “Möglichkeiten und Grenzen der Herstellung und synchronen Auswertung biowissenschaftlicher Verbreitung aus Luft- und anderen Messbildern mit dem neuen Kartiersystem des Stereocords am Beispiel ausgewählter Vegetationstypen Boliviens”. In: *Verhandlungen der Gesellschaft für Ökologie* 12, pp. 337–353.
- (1983). “The utility of a glacier inventory to developing countries such as Bolivia”. In: *Quaternary of South America and Antarctic Peninsula* 1, pp. 125–134.
- Jordan, E. and W. Kresse (1981). “Die Computer-gestützte quantitative Luftbildauswertung mit dem Zeiss-Stereocord und seinen Peripheriegeräten zur Rationalisierung der Feldforschungen in den Geowissenschaften”. In: *Erdkunde* 35, pp. 222–231.
- Josberger, E. G. et al. (2007a). “Glacier mass-balance fluctuations in the Pacific Northwest and Alaska, USA”. In: *Annals of Glaciology* 46, pp. 291–296.
- (2007b). “Glacier mass-balance fluctuations in the Pacific Northwest and Alaska, USA”. In: *Annals of Glaciology* 46, pp. 291–296.
- Jost, W. (1941). “Gletscher”. In: *Sechster Kommentar zum Schweizerischen Schulwandbilderwerk*.
- Jouzel, J., M. Legrand, et al. (1984). “Chronologie d’un carottage de 20 m au col du Dôme (Massif du Mont Blanc)”. In: *La Houille Blanche* 6, pp. 491–497.
- Jouzel, J. and R. Souchez (1982). “Melting-refreezing at the glacier sole and the isotopic composition of the ice”. In: *Journal of Glaciology* 28.98, pp. 35–42.
- Kääb, A. (2000). “Photogrammetric reconstruction of glacier mass balance using a kinematic ice-flow model: a 20 year time series on Grubengletscher, Swiss Alps”. In: *Annals of Glaciology* 31, pp. 45–52.
- (2005). “Combination of SRTM3 and repeat AsSTER data for deriving alpine glacier flow velocities in the Bhutan Himalaya”. In: *Remote Sensing of the Environment* 94, pp. 463–474.
- Kääb, A., E. Berthier, et al. (2012a). “Contrasting patterns of Early Twenty-First-Century glacier mass change in the Himalayas”. In: *Nature* 488, pp. 495–498.

- Kääb, A., E. Berthier, et al. (2012b). “Contrasting patterns of early twenty-first-century glacier mass change in the Himalayas”. In: *Nature* 488, pp. 495–498.
- Kääb, A., F. Paul, et al. (2001). “The new remote sensing derived Swiss glacier inventory: II. First results”. In: *4th international symposium on Remote Sensing in Glaciology, Maryland*.
- Kääb, A. and M. Weber (2004). “Development of transverse ridges on rock glaciers: Field measurements and laboratory experiments”. In: *Permafrost and periglacial processes* 15, pp. 379–391.
- Kadota, T., K. Seko, and Y. Ageta (1993). “Shrinking of Glacier AX010 since 1978, Shorong Himal, East Nepal”. In: *IAHS - International Association of Hydrological Sciences* 218, pp. 145–154.
- Kahmen, H. and H. Suhre (1983). “Ein lernfähiges tachymetrisches Vermessungssystem zur Überwachung kinematischer Vorgänge ohne Beobachter”. In: *Zeitschrift für Vermessungswesen* 108.8, pp. 345–351.
- Kaiser, K. (1963). “Zur Frage der Würm-Gliederung durch einen "Mittelwürm-Boden" im nördlichen Alpenvorland bei Murnau”. In: *Eiszeitalter und Gegenwart* 14, pp. 208–215.
- (1972a). “Ein eiszeitlicher Wald im Dätttau”. In: *Mitteilungen der Naturwissenschaftlichen Gesellschaft Winterthur* 34, pp. 25–42.
- (1972b). “Zeugen arider Verwitterungen im Sandstein von Fontainebleau”. In: *Göttinger Geographische Abhandlungen* 60, pp. 103–124.
- (1975). “Die Inlandeis-Theorie, seit 100 Jahren fester Bestand der Deutschen Quartärforschung”. In: *Eiszeitalter und Gegenwart* 26, pp. 1–30.
- Kakela, P. (1965). “Problems in defining Permafrost”. In: *The Alberta Geographical Society Prize Essay*.
- Kargel, J. S. et al. (2016). “Geomorphic and geologic controls of geohazards induced by Nepal’s 2015 Gorkha earthquake”. In: *Science* 351.6269, aac8353, doi:10.1126/science.aac8353. DOI: 10.1126/science.aac8353.
- Karimi, N., A. Farokhnia, L. Karimi, et al. (2012). “Combining optical and thermal remote sensing data for mapping debris-covered glaciers (Alamkouh Glaciers, Iran)”. In: *Cold Regions Science and Technology* 71, pp. 73–83.
- Karimi, N., A. Farokhnia, S. Shishangosht, et al. (2012). “Elevation changes of Alamkouh glacier in Iran since 1955, based on remote sensing data”. In: *International Journal of Applied Earth Observation and Geoinformation* 19, pp. 45–58.
- Karrasch, H. (1972). “The planetary and hypsometric variation of valley asymmetry”. In: *International Geography*, pp. 31–34.
- (1974a). “Hangglättung und Kryoplanation an Beispiel aus den Alpen und kanadischen Rocky Mountains”. In: *Abhandlungen der Akademie der Wissenschaften in Göttingen* 29, pp. 287–300.
- (1974b). “Probleme der periglazialen Höhenstufe in den Alpen”. In: *Heidelberger Geographische Arbeiten* 40, pp. 15–29.
- (1977). “Die klimatischen und akklimatischen Varianzfaktoren der periglazialen Höhenstufe in den Gebirgen West- und Mitteleuropas”. In: *Abhandlungen der Akademie der Wissenschaften in Göttingen* 31, pp. 157–177.

- Karte, J. (1981). "Zur Rekonstruktion des Weichselhochglazialen Dauerfrostbodens im westlichen Mitteleuropa". In: *Bochumer Geographische Arbeiten* 40, pp. 59–71.
- Kaser, G. (1982). "Measurements of evaporation from snow". In: *Archiv für Meteorologie, Geophysik und Bioklimatologie* 30, pp. 333–340.
- (1995). "Some notes on the behaviour of tropical glaciers". In: *Bull. Inst. fr. études andines* 24.3, pp. 671–681.
- (1999). "A review of the modern fluctuations of tropical glaciers". In: *Global and Planetary Change* 22, pp. 93–103.
- Kaser, G., J. G. Cogley, et al. (2006). "Mass balance of glaciers and ice caps: Consensus estimates for 1961-2004". In: *Geophysical Research Letters* 33, p. 5.
- Kaser, G. and C. Georges (1997). "Changes of the equilibrium-line altitude in the tropical Cordillera Blanca, Peru, 1930-50, and their spatial variations". In: *Annals of Glaciology* 24, pp. 344–349.
- (1999). "On the mass balance of low latitude glaciers with particular consideration of the Peruvian Cordillera Blanca". In: *Geografiska Annaler* 81, pp. 643–651.
- Kaser, G., M. Grosshauser, and B. Marzeion (2010). "Contribution potential of glaciers to water availability in different climate regimes". In: *Proceedings of the National Academy of Sciences of the United States of America* 107.47, p. 5.
- Kaspari, S. D. et al. (2011). "Recent increase in black carbon concentration from a Mt. Everest ice core spanning 1860-2000 AD". In: *Geophysical Research Letters* 38, 6 pp.
- Kasser, P. (1953). "Ablation und Schwund am Grossen Aletschgletscher". In: *Verhandlungen der Schweizerischen Naturforschenden Gesellschaft*.
- (1954). "Sur le bilan hydrologique des bassins glaciaires avec application au Grand Glacier d'Aletsch". In: *Association Internationale d'Hydrologie* 39, pp. 331–350.
- (1956). "Sur l'indice d'évaporation du bassin versant alpin de Mattmark". In: *Association Internationale d'Hydrologie* 40, pp. 15–17.
- (1957). "Glaziologischer Kommentar zur neuen im Herbst 1957 aufgenommenen Karte 1:10000 des Grossen Aletschgletschers". In: *A.I.H.S.* Pp. 216–223.
- (1959). "Der Einfluss von Gletscherrückgang und Gletschervorstoss auf den Wasserhaushalt". In: *Wasser- und Energiewirtschaft* 6, pp. 2–16.
- (1960a). "Ein leichter thermischer Eisbohrer als Hilfsgerät zur Installation von Ablationsstangen auf Gletschern". In: *Geofisica pura e applicata* 45, pp. 97–114.
- (1960b). "Glaziologischer Kommentar zur neuen im Herbst 1957 aufgenommenen Karte 1:10000 des Grossen Aletschgletschers". In: *A.I.H.S.* 54, pp. 216–223.
- (1963). "Note on the detailed ablation studies of 1959 and 1962 on the Great Aletsch Glacier". In: *Bulletin I.A.S.H.* 2, pp. 115–118.

- (1973). “Influence of changes in the glacierized area on summer run-off in the Porte du Scex drainage basin on the Rhône”. In: *Symposium on the Hydrology of Glaciers* 95, pp. 221–225.
- Kasser, P. (1980). “On the effect of topographic orientation on the variations of glacier length”. In: *IAHS-AISH* 126, pp. 65–68.
- Kasser, P. and M. Aellen (1976). “Les variations des glaciers suisses en 1974-1975 et quelques indications sur les résultats récoltés pendant la Décennie Hydrologique Internationale de 1964-65 à 1973-74”. In: *La Houille Blanche* 6, pp. 467–481.
- Kasser, P. and R. Haefeli (1952). “Glaziologische Beobachtungen am Grossen Aletschgletscher”. In: *Schweizerische Bauzeitung* 70.35, pp. 1–3.
- Kasser, P. and H. Roethlisberger (1966). “Some problems of glacier mapping experienced with the 1:10000 map of the Aletsch Glacier”. In: *Canadian Journal of Earth Sciences* 3, pp. 799–809.
- Kasser, P. and W. Schweizer (1955). “Voraussage der globale Sommerabflusses der Rhone bei Porte du Scex auf Grund von Winterniederschlag und Winterabfluss”. In: *Wasser- und Energiewirtschaft* 5, pp. 1–4.
- Kaufmann, V. et al. (2013). “Digital Camera Nikon D300 in support of high mountain studies in the Langtang Valley, Central Himalaya, Nepal”. In: *Universal Journal of Geoscience* 1.1, pp. 1–9.
- Kayastha, R. B. and S. P. Harrison (2008). “Changes of the equilibrium-line altitude since the Little Ice Age in the Nepalese Himalaya”. In: *Annals of Glaciology* 48, pp. 93–99.
- Kehrwald, N. M. et al. (2008). “Mass loss on Himalayan glacier endangers water resources”. In: *Geophysical Research Letters* 35, p. 6.
- Kelletat, D. (1974). “Die Exkursionstagung der Schweizerischen Geomorphologischen Gesellschaft zur holozänen Morphodynamik in den Schweizer Alpen vom 17. bis 23. September 1973”. In: *Geomorphologie. N. F.* 18.2, pp. 215–221.
- Kerschner, H. (1978). “Zur Rekonstruktion eines spätglazialen Gletscherstandes mit Hilfe eines rechnerisch ermittelten Zungenlängsprofils”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 14.1, pp. 119–123.
- (1983). “Ostalpine Wetterlagen und Luftmassen - ein sommerliches Querprofil Salzburg - Sonnblick - Klagenfurt”. In: *Innsbrucker Geographische Studien* 8, pp. 131–142.
- (1985). “Quantitative paleoclimatic inferences from lateglacial snowline, timberline and rock glacier data, Tyrolean Alps, Austria”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 21, pp. 363–369.
- (1996). “Multivariate statistical modelling of equilibrium line altitudes: Hintereisferner (Ötztal) - Stubacher Sonnblickkees (Hohe Tauern)”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 32, pp. 119–127.
- (2002). “Mountain glaciers as source of paleoclimatic information - an alpine perspective”. In: *WMO Bulletin* 51.1, pp. 29–35.
- Kerschner, H., S. Ivy-Ochs, and C. Schlüchter (1999). “Paleoclimatic interpretation of the early Late-glacial glacier in the Gschnitz valley, Central Alps, Austria”. In: *Annals of Glaciology* 28, pp. 135–140.

- Kerschner, H., G. Kaser, and R. Sailer (2000). "Alpine younger Dryas glaciers as paleo-precipitation gauges". In: *Annals of Glaciology* 31, pp. 80–84.
- Khodakov, V. G. (1971). "Glaciers as water resource indicator of the glacial areas of the USSR". In: *Snow and ice - symposium - Neiges et glaces (Proceedings of the Moscow Symposium, August 1971)*.
- Kick, W. (1985). "Geomorphologie und rezente Gletscheränderungen in Hochasien". In: *Regensburger Geographische Schriften* 19, pp. 53–78.
- Kienholz, H. (1980). "Beurteilung und Kartierung von Naturgefahren". In: *Berliner Geographische Abhandlungen* 31, pp. 83–90.
- King, L. (1976). "Permafrostuntersuchungen in Tarfala (Schwedisch Lappland) mit Hilfe der Hammerschlagseismik". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 12.2, pp. 187–204.
- (1979). "Palsen und Permafrost in Quebec". In: *Trierer Geographische Studien* 2, pp. 141–156.
- (1981a). "Ergebnisse der Heidelberg Ellesmere Island Expedition. Das Borup-Fjord-Gebiet in N-Ellesmere Island, N.W.T., Kanada: Entdeckung und Begehung des Gebietes, vorhandene Karte und ihre offizielle Namen". In: *Heidelberger Geographische Arbeiten* 69, pp. 15–33.
- (1981b). "Ergebnisse der Heidelberg Ellesmere Island Expedition. Das Sommerklima von N-Ellesmere Island, N.W.T., Kanada - Eine Beurteilung von Stationswerten unter besonderer Berücksichtigung des Sommers 1978". In: *Heidelberger Geographische Arbeiten* 69, pp. 77–107.
- (1981c). "Ergebnisse der Heidelberg Ellesmere Island Expedition. Die Gletscher im Einzugsgebiet des Borup-Fjords, N-Ellesmere Island, N.W.T., Kanada." In: *Heidelberger Geographische Arbeiten* 69, pp. 203–232.
- (1981d). "Ergebnisse der Heidelberg Ellesmere Island Expedition. Die Meeresentwicklung im Inneren des östlichen kanadischen Arktisarchipels und ihre Bedeutung für die Arbeiten der Heidelberg-Ellesmere Island-Expedition an der Oobloyah Bay, N-Ellesmere Island, N.W.T., Kanada." In: *Heidelberger Geographische Arbeiten* 69, pp. 233–267.
- (1981e). "Ergebnisse der Heidelberg Ellesmere Island Expedition. Gletschergeschichtliche Arbeiten im Gebiet zwischen Oobloyah Bay und Esayoo Bay, N-Ellesmere Island., N.W.T., Kanada." In: *Heidelberger Geographische Arbeiten* 69, pp. 223–267.
- (1981f). "Ergebnisse der Heidelberg Ellesmere Island Expedition. The mosses of peat mounds, Oobloyah Bay, northern Ellesmere Island, N.W.T., Canada". In: *Heidelberger Geographische Arbeiten* 69, pp. 555–558.
- (1981g). "Typen von Torfhügeln im Gebiet der Oobloyah Bay, N-Ellesmere Island, N.W.T., Kanada". In: *Polarforschung* 51.2, pp. 201–211.
- Kinzl, H. (1949). "Formenkundliche Beobachtungen im Vorfeld der Alpengletscher". In: *Veröffentlichungen des Museum Ferdinandeum (Innsbruck)* 26, pp. 61–82.
- Klaer, W. (1974). "Kritische Anmerkungen zur neueren Literatur über das Blockgletscherproblem". In: *Heidelberger Geographische Arbeiten* 40, pp. 275–291.

- Klapowa, M. (1968). "Effect of air temperature on ground temperature at the upper tree line in the Tatra". In: *Przegląd Geograficzny* 2, pp. 499–504.
- Kleiber, H. (1974). "Pollenanalytische Untersuchungen zum Eisrückzug und zur Vegetationsgeschichte im Oberengadin I". In: *Botanische Jahrbücher für Systematik, Pflanzengeschichte und Pflanzengeographie* 94.1, pp. 1–53.
- Klimaszewski, M. (1971). "A contribution to the theory of rock-face development". In: *Studia Geomorphologica Carpatho-Balcanica* 5, pp. 139–151.
- Klinge, E. and H.-G. Kahle (1977). "Gravity profiling as a technique for determining the thickness of glacier ice". In: *Pure and Applied Geophysics* 115, pp. 989–998.
- Klok, E. J. and J. Oerlemans (2002). "Model study of the spatial distribution of the energy and mass balance of Morteratschgletscher, Switzerland". In: *Journal of Glaciology* 48.163, p. 505518.
- (2003). "Deriving historical equilibrium-line altitudes from a glacier length record by linear inverse modelling". In: *The Holocene* 13.3, pp. 343–351.
- (2004). "Climate reconstructions derived from global glacier length records". In: *Arctic, Antarctic and Alpine Research* 36.4, pp. 575–583.
- Knoll, C. and H. Kerschner (2009). "A glacier inventory for South Tyrol, Italy, based on airborne laser-scanner data". In: *Annals of Glaciology* 50.53, pp. 46–52.
- Knudsen, N. T. and B. Hasholt (2008). "Mass balance observations at Mitivakkat Glacier, Ammassalik Island, Southeast Greenland 1995-2006". In: *Danish Journal of Geography* 108.1, pp. 111–120.
- Koch, J. and J. J. Clague (2006). "Are insolation and sunspot activity the primary drivers of Holocene glacier fluctuations?" In: *Pages News* 14.3, pp. 20–21.
- Köhler, J. et al. (2007). "Acceleration in thinning rate on western Svalbard glaciers". In: *Geophysical Research Letters* 34, 5 pp.
- Kölla, E. (1987). "Estimating flood peaks from small rural catchments in Switzerland". In: *Journal of Hydrology* 95, pp. 203–225.
- (1989). "Vom Regen in den Bach. Künstliche Simulation natürlicher Abflussvorgänge". In: *Die Geowissenschaften* 2, pp. 38–43.
- Kononov, Y. M. and M. D. Ananicheva (2005). "High resolution reconstruction of Polar Ural glaciers mass balance for the last millenium". In: *Annals of Glaciology* 42, pp. 163–170.
- Konz, M. and J. Seibert (2010). "On the value of glacier mass balances for hydrological model calibration". In: *Journal of Hydrology* 385, pp. 238–246.
- Körner, H. J. (1983). "Theorie der plastisch rotierenden Kar-Gletscherbewegung und ihre Anwendung". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 19.2, pp. 103–130.
- Kotlyakov, V. M. (1997). *World atlas of snow and ice resources*. Ed. by V. M. Kotlyakov. Russian Academy of Sciences.
- Kotlyakov, V. M. and A. N. Krenke (1982). "Investigations of the hydrological conditions of alpine regions by glaciological methods". In: *Hydrological aspects of alpine and high mountain areas (Proceedings of the Exeter Symposium, July 1982)*.



- Koutavas, A., P. B. DeMenocal, and J. Lynch-Stieglitz (2006). "Holocene trends in tropical Pacific sea surface temperatures and the El Niño-Southern Oscillation". In: *Pages News* 14.3, pp. 22–23.
- Kozarski, S. (1987). "Sedimentological and lithostratigraphical basis for a paleogeographic analysis of the last glaciation in West Central Poland". In: *Wissenschaftliche Zeitschrift Ernst-Moritz-Arndt-Universität* 36.2-3, pp. 7–12.
- Krayss, E. (1985). "Rutschungen im St.Gallisch-appenzellischen Molassegebiet (Widenbach, Goldach, Sitter)". In: *Berichte der St.Gallischen Naturwissenschaftlichen Gesellschaft* 82, pp. 150–168.
- (1988). "Zur riss-würmzeitlichen Quartärgeologie im westlichen Rheingletschergebiet". In: *Geomorphologie. N. F.* 70, pp. 1–12.
- Krenke, A. N. (1971). "Climatic conditions of present-day glaciation in Soviet Central Asia". In: *Snow and ice - Symposium - Neiges et Glaces (Proceedings of the Moscow Symposium, August 1971)*.
- Krimmel, R. M. and L. A. Rasmussen (1986). "Using sequential photography to estimate ice velocity at the terminus of Columbia Glacier, Alaska". In: *Annals of Glaciology* 8, pp. 117–123.
- Kropatschek, E. (1973). "Die Geodäsie im Dienste der Gletscherforschung". In: *Beiträge zur Klimatologie, Meteorologie und Klimamorphologie. Festschrift für Hanns Tollner zum 70. Geburtstag*.
- Kruss, P. and S. Hastenrath (1983). "Variation of ice velocity at Lewis Glacier, Mount Kenya, Kenya: Verification midway into a forecast". In: *Journal of Glaciology* 29.101, pp. 48–54.
- Kudyshkin, T. V., Y. A. Tarasov, and A. V. Yakovlev (2014). "Changes in the Glaciation of the River Basins with a Predominance of Small Glaciers in the Second Part of XX Century and in the Beginning of XXI Century". In: *Issues of Geography and Geoecology* 4, pp. 45–54.
- Kuhle, M. (1984a). "Spuren der hocheiszeitlichen Gletscherbedeckung in der Aconagua-Gruppe (32-33?S)". In: *Zbl. Geol. Paläont. Teil 1* 11, pp. 1635–1646.
- (1984b). "Zur Geomorphologie Tibets, Bortensander als Kennformen semiarider Vorlandvergletscherung". In: *Berliner Geographische Abhandlungen* 36, pp. 127–138.
- (1986). "Internationales Symposium über Tibet und Hochasien vom 8. - 11. Oktober 1985 im Geographischen Institut der Universität Göttingen. Vorträge und Diskussion". In: *Göttinger Geographische Abhandlungen* 81, pp. 185–206.
- (1988). "Zur Geomorphologie der nivalen und subnivalen Höhenstufe in der Karakorum-N-Abdachung zwischen Shaksgam-Tal und K2-N-Sporn: Die quartäre Vergletscherung und ihre geoökologische Konsequenz". In: *46. Deutscher Geographentag in München. 12. bis 16. Oktober 1987. Tagungsbericht und wissenschaftliche Abhandlungen*, pp. 413–420.
- Kuhn, M. (1979). "Climate and glaciers". In: *Sea level, ice and climate change. Proceedings of the Canberra Symposium, Dezember 1979. IAHS Publication Nr. 131*.

- (1980a). “Antarktis - die grösste Wüste der Welt”. In: *Umschau in Wissenschaft und Technik* 80.22, pp. 675–681.
- Kuhn, M. (1980b). “Begleitworte zur Karte des Hintereisferners 1979, 1:10.000”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 16.1, pp. 117–124.
- (1980c). “Die Reaktion der Schneegrenze auf Klimaschwankungen”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 16.2, pp. 241–254.
- (1980d). “Vergletscherung, Nullgradgrenze und Niederschlag in den Anden”. In: *Jahresbericht des Sonnblick Vereins 1978-1980*.
- (1981). “Vertical flux of heat and moisture in snow and ice”. In: *Land surface processes in atmospheric general circulation models*.
- (1984). “Schneehydrologische Forschung in Mitteleuropa”. In: ed. by H. Brechtel. Deutscher Verband für Wasserwirtschaft und Kulturbau. Chap. Physikalische Grundlagen des Energie- und Massenhaushalts der Schneedecke, pp. 5–56.
- (1988). “Folgen einer langfristigen Erwärmung für Schnee und Eis”. In: *Mitteilung Nr. 94 Versuchsanstalt für Wasserbau, Hydrologie und Glaziologie an der ETH Zürich*.
- (1989). “Glacier fluctuations and climatic change. Proceedings of the symposium on glacier fluctuations and climatic change, held in Amsterdam, 1-5 June 1987”. In: ed. by J. Oerlemans. Kluwer Academics Publishers. Chap. The response of the equilibrium line altitude to climate fluctuations: Theory and observations, pp. 407–417.
- (1990). “Energieaustausch Atmosphäre - Schnee und Eis”. In: *Internationale Fachtagung 11. Mai in Zürich. Schnee, Eis und Wasser der Alpen in einer wärmeren Atmosphäre*.
- (1993). “Methods of assessing the effects of climatic changes on snow and glacier hydrology”. In: *Snow and glacier hydrology (Proceedings of the Kathmandu Symposium, November 1992)*.
- Die Reaktion der österreichischen Gletscher und ihres Abflusses auf Änderungen von Temperatur und Niederschlag* (Jan. 2004) 1-2.
- Kuhn, M. et al. (1985). “Fluctuations of climate and mass balance: Different responses of two adjacent glaciers”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 21, pp. 409–416.
- Küttel, M. (1974). “Zum alpinen Spät- und frühen Postglazial: Das Profil Obergurbs (1910 m) im Diemtigtal, Berner Oberland, Schweiz”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 10, pp. 207–216.
- (1977). “Pollenanalytische und geochronologische Untersuchungen zur Piottino-Schwankung (Jüngere Dryas)”. In: *Boreas* 3, pp. 259–274.
- (1979a). “Pollenanalytische Untersuchungen zur Vegetationsgeschichte und zum Gletscherrückzug in den westlichen Schweizer Alpen”. In: *Berichte der Schweizerischen Botanischen Gesellschaft* 89.1/2, pp. 9–62.
- (1979b). “Räumliche und zeitliche Korrelation der "moraines intermediaires" mit besonderer Berücksichtigung der Moränen der Alpage de Tortin, (Nendaz, VS)”. In: *Bulletin de la Murithienne* 96, pp. 71–83.
- Ladner, A. (1989). “In jedem Landschaftswunder steckt eine Katastrophe”. In: *Die Weltwoche* 23, pp. 39–41.

- Lambert, A. (1980). "Die Entwicklung des Linthdeltas im Walensee zwischen 1931 und 1979". In: *Eclogae Geologicae Helveticae* 73.3, pp. 867–880.
- Lambert, A. (1982). "Trübestrome des Rheins am Grund des Bodensees". In: *Wasserwirtschaft* 72.4, pp. 1–4.
- (1984). "Neuvermessung und geologische Kartierung des Walensees". In: *wasser, energie, luft - eau. énergie, air* 76.7/8, pp. 149–152.
- (1988). "Seegrundvermessungen im Lago Maggiore: Das Wachstum des Maggia- und Ticino/Verzasca-Deltas von 1890 bis 1986". In: *wasser, energie, luft - eau, énergie, air* 80.1/2, pp. 21–28.
- (1989). "Das Rheindelta im See". In: *Vermessung, Photogrammetrie, Kulturtechnik* 1, pp. 29–32.
- Lambert, A. and F. Giovanoli (1988). "Records of riverborne turbidity currents and indications of slope failures in the Rhone Delta of Lake Geneva". In: *Limnology and Oceanography* 33.3, pp. 459–468.
- Lambert, A. and K. J. Hsü (1979). "Non-annual cycles of varve-like sedimentation in Walensee, Switzerland". In: *Sedimentology* 26, pp. 453–461.
- Lambert, A. and C. Pfeiffer (1990). "Neuvermessung des Lauerzerseebeckens". In: *wasser, energie, luft - eau. énergie, air* 82.9, pp. 190–194.
- Lambrecht, A. and M. Kuhn (2007). "Glacier changes in the Austrian Alps during the last three decades, derived from the new Austrian glacier inventory". In: *Annals of Glaciology* 46, pp. 177–184.
- Lang, H. (1967). "Relations between glacier runoff and meteorological factors observed on and around the glacier". In: *Swiss Federal Institute of Technology, Zurich*, pp. 429–439.
- (1968). "Relations between glacier runoff and meteorological factors observed on and outside the glacier". In: *IAHS* 79, pp. 429–439.
- (1970). "Ueber den Abfluss vergletscherter Einzugsgebiete und seine Beziehung zu meteorologischen Faktoren". In: *Mitteilungen der Versuchsanstalt für Wasserbau und Erdbau, ETHZ* 85, pp. 1–9.
- (1973). "Variations in the relation between glacier discharge and meteorological elements". In: *IASH* 95, pp. 85–94.
- (1978). "Untersuchungen über den Wasserhaushalt und über Abflussprozesse im hydrologischen Forschungsgebiet Rietholzbach". In: *Forschung in mitteleuropäischen Nationalparks. Schriftenreihe des Bayer. Staatsministeriums für Ernährung, Landwirtschaft und Forsten*.
- (1981). "Is evaporation an important component in high alpine hydrology?" In: *Nordic Hydrology* 12, pp. 217–224.
- Lang, H. and G. Davidson (1973). "Beitrag zum Problem der klimatischen Schneegrenze". In: *Verhandlungen der Schweizerischen Naturforschenden Gesellschaft*.
- Lang, H. and G. Patzelt (1971). "Die Volumenänderung des Hintereisferners (Ötztaler Alpen) im Vergleich zur Massenänderung im Zeitraum 1953-1964". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 7.1-2, pp. 39–55.
- Latnser, M. and M. Schneebeli (2003). "Long-term snow climate trends of the Swiss Alps". In: *International Journal of Climatology* 23, pp. 733–750.

- Leclercq, P. W., J. Oerlemans, and J. G. Cogley (2011). "Estimating the glacier contribution to sea-level rise for the period 1800-2005". In: *Surveys in Geophysics* 32, pp. 519–535.
- Leclercq, P. W., R. Van de Wal, and J. Oerlemans (2010). "Comment on "100-year mass changes in the Swiss Alps linked to the Atlantic Multidecadal Oscillation" by Matthias Huss et al. (2010)". In: *The Cryosphere Discussions* 4, pp. 2475–2481. DOI: 10.5194/tcd-4-2475-2010.
- Leclercq, P. W., A. Weidick, et al. (2012). "Brief communication: Historical glacier length changes in West Greenland". In: *The Cryosphere Discussions* 6, pp. 3491–3501.
- Lehmkuhl, F., J. Böhner, and K. T. Rost (1992). "Die nivale Höhenstufe und ein Versuch ihrer klimatischen Abgrenzung anhand ausgewählter Gebiete der Alpen und Skandinaviens". In: *Erdkunde* 46, pp. 3–14.
- Leiva, C. J. (1999). "Recent fluctuations of the Argentinian glaciers". In: *Global and Planetary Change* 22, pp. 169–177.
- Leiva, J. C. (2002). "La situación actual de los glaciares andinos / Present situation of the Andean glaciers". In: *IANIGLA, 30 años de investigación básica y aplicada en ciencias ambientales / IANIGLA, 30 years of basic and applied research on environmental sciences*. Instituto Argentino de Nivología, Glaciología y Ciencias Ambientales, Mendoza, 181-185.
- Lemmens, M. and M. Roger (1978). "Influence of ion exchange on dissolved load of alpine meltwaters". In: *Earth Surface Processes* 3, pp. 179–187.
- Leser, H. (1987). "Zur Glazialproblematik auf Blatt Freiburg-Süd der Geomorphologischen Karte 1:100000 der Bundesrepublik Deutschland (GMK 100, Blatt 2)". In: *Eiszeitalter und Gegenwart* 37, pp. 139–144.
- Leser, H. and D. Schaub (1987). "Geomorphologische Kartierung im Hochgebirge: Ein Anwendungsbeispiel der "Grünen Legende" im Mass 1:10.000". In: *Berliner Geographische Abhandlungen* 42, pp. 31–37.
- Letréguilly, A. and L. Reynaud (1990). "Space and time distribution of glacier mass-balance in the Northern Hemisphere". In: *Arctic and Alpine Research* 22.1, pp. 43–50.
- Levermann, A. et al. (2010). *Climate tipping elements with potential impacts on Europe*. Tech. rep. European Environmental Agency.
- Leysinger Vieli, G. J. C. and G. H. Gudmundsson (2004). "On estimating length fluctuations of glaciers caused by changes in climatic forcing". In: *Journal of Geophysical Research* 109, pp. 2156–2202.
- Li, J. et al. (2013). "High-altitude radar measurements of ice thickness over the Antarctic and Greenland Ice Sheets as a part of Operation Ice Bridge". In: *IEEE Transactions on Geoscience and Remote Sensing* 51.2, pp. 742–754.
- Lichtenhahn, C. (1973). "Die Berechnung von Sperren in Beton und Eisenbeton". In: *Mitteilungen der forstlichen Bundes-Versuchsanstalt Wien* 102, pp. 91–127.
- Lieb, G. (1986). "Die Blockgletscher der östlichen Schobergruppe (Hohe Tauern, Kärnten)". In: *Arbeiten aus dem Institut für Geographie der Karl-Franzens-Universität Graz* 27, pp. 123–132.

- (1987). “Zur spätglazialen Gletscher- und Blockgletschergeschichte im Vergleich zwischen den Hohen und Niederen Tauern”. In: *Mitteilungen der Österreichischen Geographischen Gesellschaft* 129, pp. 5–27.
- Lieb, G. (1989). “Die Seetaler Alpen (Steiermark) - Länderkundliche GrundstruktGrund und pleistzäne Landschaftsgenese”. In: *Arbeiten aus dem Institut für Geographie der Karl-Franzens-Universität Graz* 29, pp. 243–276.
- Likens, G. E. et al. (1979). “Acid Rain”. In: *Scientific American* 241.4, pp. 39–150.
- Lliboutry, L. (1957). “Banding and volcanic ash on patagonian glaciers”. In: *Journal of Glaciology* 3.21, pp. 18–25.
- (1958). “La dynamique de la Mer de Glace et la vague de 1891-95 d’après les mesures de Joseph Vallot”. In: *Symposium Chamonix, 16.-24. September 1958*, pp. 125–138.
- (1975). “Le cryocinegraphe peut-il déceler de petits mouvements par saccades des glaciers?” In: *Hydrological Sciences - Journal des Sciences Hydrologiques* 20.3, pp. 365–366.
- Lopez, P. et al. (2010). “A regional view of fluctuations in glacier length in southern South America”. In: *Global and Planetary Change* 71, pp. 85–108.
- Lorenzo, J. L. (1958). “Glaciologia mexicana”. In: *Boletín Bibliográfico de Geofísica y Oceanografía* 1, pp. 131–136.
- Lorius, C. et al. (1986). “Stratigraphie isotopique du dernier cycle climatique (150.000 ans) dans les sédiments glaciaires de l’Antarctique”. In: *Société hydrotechnique de France - Section Glaciologie*.
- Lorrain, R. D. and R. A. Souchez (1972). “Sorpton as a factor in the transport of major cations by meltwater from an Alpine Glacier”. In: *Quaternary Research* 2, pp. 253–256.
- Lougeay, R. (1972). “Patterns of surface temperature in the alpine/periglacial environment as determined by radiometric measurements”. In: *Icefield ranges research project*, pp. 163–176.
- Lozej, A. et al. (1989). “Radio-echo sounding of Enigma Lake (Northern Foothills, Victoria Land, Antarctica)”. In: *Memorie della Societa Geologica Italiana* 46, pp. 103–115.
- Lucchitta, B. K. and H. M. Ferguson (1986). “Antarctica: Measuring glacier velocity from satellite images”. In: *Science* 234, pp. 1105–1108.
- Lüscher, G. (1906). “Die Entstehung des Grundeises”. PhD thesis. Universität Zürich.
- Luterbacher, J. et al. (2007). “Exceptional European warmth of autumn 2006 and winter 2007: Historical context, the underunder dynamics, and its phenological impacts”. In: *Geophysical Research Letters* 34, 6 pp.
- Lüthi, M. P., A. Bauder, and M. Funk (2010). “Volume change reconstruction of Swiss glaciers from length change data”. In: *Journal of Geophysical Research* 115, p. 8.
- Lütsch, O. (1926). “Beobachtungen über das Verhalten des vorstossenden Alalalngletschers im Wallis”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 14, pp. 257–265.

- (1928). “Wasserstand und Wassertemperatur der Visp in Stalden bei Visp. Wallis (Schweiz)”. In: *Geografiska Annaler* 10.1/2, pp. 181–194.
- Lütschg, O. (1933). “Observations sur le glacier supérieur de Grindelwald. Mouvement et érosion de 1921 à 1928”. In: *Archives des sciences physiques et naturelles* 15, pp. 201–205.
- Ma, L. L. et al. (2010). “Recent area and ice volume change of Kangwure Glacier in the middle of Himalayas”. In: *Chinese Science Bulletin* 55.20, pp. 2088–2096.
- Machguth, H., O. Eisen, et al. (2006). “Strong spatial variability of snow accumulation observed with helicopter-borne GPR on two adjacent Alpine glaciers”. In: *Geophysical Research Letters* 33, p. L13503. DOI: 10.1029/2006GL026576.
- Machguth, H., W. Haeberli, and F. Paul (2012). “Mass-balance parameters derived from a synthetic network of mass-balance glaciers”. In: *Journal of Glaciology* 58.211, pp. 965–979. DOI: 110.3189/2012JoG11J223.
- Machguth, H. and M. Huss (2014). “The length of the world’s glaciers – a new approach for the global calculation of center lines”. In: *The Cryosphere* 8, pp. 1741–1755.
- Machguth, H., M. MacFerrin, et al. (2016). “Greenland meltwater storage in firn limited by near-surface ice formation”. In: *Nature Climate Change* 6.4, pp. 390–393. DOI: 10.1038/nclimate2899.
- Machguth, H., F. Paul, M. Hoelzle, et al. (2005). “Application of a simple distributed mass balance model to larger glacierized catchments of the Swiss Alps”. In: *Arctic, Antarctic and Alpine Research*, 20pp.
- (2006). “Distributed glacier mass-balance modelling as an important component of modern multi-level glacier monitoring”. In: *Annals of Glaciology* 43, pp. 335–343.
- Machguth, H., F. Paul, S. Kotlarski, et al. (2009). “Calculating distributed glacier mass balance for the Swiss Alps from RCM output: A methodical description and interpretation of the results”. In: *Journal of Geophysical Research* 114.D19, pp. 2156–2202. DOI: 10.1029/2009JD011775.
- Machguth, H., H. H. Thomsen, et al. (2016). “Greenland surface mass-balance observations from the ice-sheet ablation area and local glaciers”. In: *Journal of Glaciology* 62.235, pp. 861–887.
- Maisch, M. (1988). “Die Veränderungen der Gletscherflächen und Schneegrenze seit dem Hochstand von 1850 im Kanton Graubünden (Schweiz)”. In: *Geomorphologie. N. F.* 70, pp. 113–130.
- Maisch, M. et al. (1999). “Occurrence of rocky and sedimentary glacier beds in the Swiss Alps as estimated from glacier-inventory data”. In: *Annals of Glaciology* 28, pp. 231–235.
- Mani, P. and H. Kienholz (1988). “Geomorphogenese im Gasterntal unter besonderer Berücksichtigung neuzeitlicher Gletscherschwankungen”. In: *Geomorphologie. N. F.* 70, pp. 95–112.
- Marcer, M. et al. (2017). “Three decades of volume change of a small Greenlandic glacier using ground penetrating radar, structure from motion, and aerial

- photogrammetry”. In: *Arctic, Antarctic, and Alpine Research* 49.3, pp. 411–425.
- Markl, G. and W. Ambach (1983). “Messung der direkten Sonnenstrahlung und der atmosphärischen Trübung am Grönländischen Inlandeis, Station Carrefour, 1850 m”. In: *Polarforschung* 53, pp. 11–16.
- Marshall, S. J. et al. (2011). “Glacier water resources on the eastern slopes of the Canadian Rocky Mountains”. In: *Canadian Water Resources Journal* 36.2, pp. 109–134. DOI: 10.4296/cwrj3602823.
- Martin, H. E. and W. B. Whalley (1987). “Rock glaciers. Part 1: Rock glacier morphology: classification and distribution”. In: *Progress in Physical Geography* 1, pp. 260–282.
- Martin, J. (1964). “La marmite glaciaire des caillottes”. In: *Bulletin de la Murithienne*.
- Martinec, J. (1976). “Facets of Hydrology”. In: ed. by J. C. Rodda. John Wiley & Sons Ltd. Chap. Snow and Ice, pp. 85–118.
- Martinelli, B. (1990). “Analysis of seismic pattern observed at Nevado del Ruiz volcano, Colombia during August-September 1985”. In: *Journal of Volcanology and Geothermal Research* 41, pp. 297–314.
- (1991). “Understanding triggering mechanisms of volcanoes for hazard evaluation”. In: *Episodes. International Geoscience Newsmagazine* 14.1, pp. 19–25.
- Martínez, E. (1991). “Observaciones geomorfológicas en el Nanga Parbat (Himalaya del Pakistán)”. In: *Eria* 26, pp. 157–177.
- Masiokas, M. H., B. H. Luckman, et al. (2009). “Little Ice Age fluctuations of small glaciers in the Monte Fitz Roy and Lago del Desierto areas, south Patagonian Andes, Argentina”. In: *Paleogeography, Paleoclimatology, Paleocology* 281, pp. 351–562. DOI: 10.1016/j.palaeo.2007.10.031.
- Masiokas, M. H., A. Rivera, et al. (2009). “Glacier fluctuations in extratropical South America during the past 1000 years”. In: *Paleogeography, Paleoclimatology, Paleocology* 281, pp. 242–268. DOI: 10.1016/j.palaeo.2009.08.006.
- Mayo, L. R. (1988a). “Advance of Hubbard glacier and closure of Russell fiord, Alaska - Environmental effects and hazards in the Yakutat area”. In: *U. S. Geological Survey*, 16 pp.
- (1988b). “Cause of the avalanche of Hubbard glacier, Alaska”. In: *U. S. Geological Survey*.
- (1988c). “History of Russell Fiord and Hubbard glacier, Alaska”. In: *U. S. Geological Survey*.
- (1989). “Advance of Hubbard glacier and 1986 outburst of Russell fiord, Alaska, U.S.A.” In: *Annals of Glaciology* 13, pp. 189–194.
- (1996). “Hubbard glacier near Yakutat, Alaska - The ice damming and break-out of Russell fiord/lake, 1986”. In: *U. S. Geological Survey*, pp. 42–49.
- Mayo, L. R., M. F. Meier, and W. F. Tangborn (1972a). “A system to combine stratigraphic and annual mass-balance systems: A contribution to the international hydrological decade”. In: *Journal of Glaciology* 11.61, pp. 3–14.

- (1972b). “A system to combine stratigraphic and annual mass-balance systems: A contribution to the international hydrological decade”. In: *Journal of Glaciology* 11.61, pp. 3–14.
- Mayo, L. R. and D. C. Trabant (1982). *Geodetic trisection, altitude, and ice-radar surveying techniques used at Knik Glacier, Alaska, and summary of 1979, 1980, and 1981 data*. Ed. by L. R. Mayo and D. C. Trabant. US Geological Survey.
- Mayr, F. and H. Heuberger (1968). “Type areas of late glacial and post-glacial deposits in Tyrol, Eastern Alps”. In: *University of Colorado Studies, Series in Earth Sciences* 7, pp. 143–165.
- Mazo, V. L. (1990). “Interaction of ice sheets: Instability and self-organization”. In: *International symposium on glaciers-ocean-atmosphere interactions Leningrad*.
- McCall, J. G. (1952). “The internal structure of a cirque glacier. Report on studies of the englacial movements and temperatures”. In: *Journal of Glaciology* 2.12, pp. 122–131.
- McCann, S. B., P. J. Howarth, and J. G. Cogley (1972). “Fluvial process in a periglacial environment. Queen Elizabeth Islands, N.W.T., Canada”. In: *Transactions* 55, pp. 69–82.
- McDowell, B. (1962). “Avalanche!” In: *National Geographic Magazine*, pp. 855–880.
- McVicar, T. R. and C. Körner (2013). “On the use of elevation, altitude, and height in the ecological and climatological literature”. In: *Oecologia* 171, pp. 335–337.
- Meade, R. H. (1982). “Sources, sinks, and storage of river sediment in the atlantic drainage of the United States”. In: *Journal of Geology* 90, pp. 235–252.
- Meier, M. F. (1960). “Distribution and variations of glaciers in the United States exclusive of Alaska”. In: *International Association of Scientific Hydrology* 54, pp. 420–429.
- (1967). “Calculations of slip of Nisqually Glacier on its bed: No simple relation of sliding velocity to shear stress”. In: *Extract of Commission of Snow and Ice, General Assembly of Bern*. in Nisqually Glacier folder.
- (1984). “Contribution of small glaciers to global sea level”. In: *Science* 226.4681, pp. 1418–1421.
- (s. a.). “Some thoughts on the monitoring of large glaciers”. In:
- Meier, M. F., M. B. Dyurgerov, and G. J. McCabe (2003). “The health of glaciers: recent changes in glacier regime”. In: *Climatic Change* 59, pp. 123–135.
- Meier, M. F. and B. Schädler (1979). “Die Ausaperung der Schneedecke in Abhängigkeit von Strahlung und Relief”. In: *Archiv für Meteorologie, Geophysik und Bioklimatologie* 27, pp. 151–158.
- Mellor, M. (1963). *Remarks concerning the Antarctic mass balance*.
- Melvold, K. and J. O. Hagen (1998). “Evolution of a surge-type glacier in its quiescent phase: Kongsvegen, Spitsbergen, 1964-95”. In: *Journal of Glaciology* 44, 394–404 (Separatum).



- Meneghel, M. (1990). "Misure preliminari sul Ghiacciaio Settentrionale di Tarn flat (Terra Vittoria, Antartide)". In: *Geografia Fisica e Dinamica Quaternaria* 13.2, pp. 183–185.
- Mennis, J. L. and A. G. Fountain (2001). "A spatio-temporal GIS database for monitoring alpine glacier change". In: *Photogrammetric Engineering & Remote Sensing* 67.8, pp. 967–975.
- Mercanton, P. - L. (1958). "Un demi-siècle d'observations nivométriques dans les Alpes suisses". In: *Bulletin de la Société Vaudoises des sciences naturelles* 67, pp. 1–10.
- Mercanton, P. L. (1858). "Aires englacées et cotes frontales des glaciers suisses". In: *Cours d'Eau et Energie* 12, pp. 1–8.
- (1905). "Forages glaciaires". In: *Archives des Sciences Physiques et Naturelles* 19, pp. 1–35.
- (1935). "Le cryocinémètre de la Commission helvétique des Glaciers". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 22, pp. 163–171.
- (1950). "L'exploration du glacier en profondeur". In: *Comité alpin français*.
- Mercanton, P.-L. (1934). "La mission dano-suisse de l'année polaire au Snaefellsjökull". In: *Société Suisse de Géophysique, Météorologie et Astronomie* 16, pp. 53–56.
- Mercanton, P.-L. and W. Jost (1928). "Le "voyage" du glacier dans ses profondeurs. Une expérience /'a longue échéance". In: *Société Suisse de Géophysique, Météorologie et Astronomie* 10. Extrait du Compte rendu des séances de la G.M.A., pp. 331–332.
- Mercer, J. H. (1968). "Variations of some patagonian glaciers since the late-glacial". In: *American Journal of Science* 266, pp. 91–109.
- Mernild, S. H., D. L. Kane, et al. (2008). "Climate, glacier mass balance and runoff (1993-2005) for the Mittivakkat Glacier catchment, Ammassalik Island, SE Greenland, and in a long term perspective (1898-1993)". In: *Hydrology Research* 39.4, pp. 239–256.
- Mernild, S. H., N. T. Knudsen, et al. (2011). "Record mass loss from Greenland's best-observed local glacier". In: *The Cryosphere Discussions* 5, pp. 461–477. DOI: 10.5194/tcd-5-461-2011.
- Mernild, S. H., G. E. Liston, et al. (2008). "Snow, runoff, and mass balance modeling for the entire Mittivakkat Glacier (1998-2006), Ammassalik Island, SE Greenland". In: *Geografisk Tidsskrift* 108.1, pp. 121–136.
- Messerli, B. and M. Zurbuchen (1968). "Blockgletscher im Weissmies und Aletsch und ihre photogrammetrische Kartierung". In: *Die Alpen* 3, pp. 1–13.
- Miles, B. W. J. et al. (2013). "Rapid, climate-driven changes in outlet glaciers on the Pacific coast of East Antarctica". In: *Nature* 500, pp. 563–567.
- Miller, P. E. et al. (2009). "Assessment of glacier volume change using ASTER-based surface matching of historical photography". In: *IEEE Transactions on Geoscience and Remote Sensing* 47.7, pp. 1971–1979.
- Milliman, J. D. and R. H. Meade (1983). "World-wide delivery of river sediment to the oceans". In: *Journal of Geology* 91, pp. 1–21.

- Mölg, T., F. Maussion, and D. Scherer (2014). “Mid-latitude westerlies as a driver of glacier variability in monsoonal High Asia”. In: *Nature Climate Change* 4, pp. 68–73. DOI: 10.1038/nclimate2055.
- Molnia, B. F. (2007). “Late nineteenth to early twenty-first century behaviour of Alaskan glaciers as indicators of changing regional climate”. In: *Global and Planetary Change* 56, pp. 23–56. DOI: 10.1016/j.gloplacha.2006.07.011.
- Moore, H. J. et al. (1978). *Rock pushing and sampling underrocks on Mars*. Ed. by H. J. Moore et al. US Geological Survey, p. 21.
- Mortara, G. and P. Sorzana (1987). “Situazioni di rischio idrogeologico connesse all’espansione recente del ghiacciaio del Miage ed all’instabilità dei versanti in alta Val Veni (Massiccio del Monte Bianco)”. In: *Rev. Valdôtaine d’hist. naturelle* 41, pp. 111–118.
- Mosimann, T. (1980). “Eine Legende für die ökologische Standort- und Schadenkartierung im Bereich von Skipisten”. In: *Natur und Landschaft* 55, pp. 425–429.
- (1981). “Geoökologische Standortindikatoren für die Erosionsanfälligkeit alpiner Hänge nach Geländeingriffen für Pistenanlagen”. In: *Geomethodica* 6, pp. 143–174.
- Moussavi, M. S. et al. (2009). “A new glacier inventory of Iran”. In: *Annals of Glaciology* 50.53, pp. 93–103.
- Müller, D. (1990). “Die Hochwasserrückhaltebecken der Schweiz”. In: *wasser, energie, luft - eau, énergie, air* 82, pp. 185–188.
- Müller, F. (1969a). “Seminar on the causes and mechanics of glacier surges”. In: *Canadian Journal of Earth Sciences* 6.4, pp. 3–4.
- (1969b). “Was the Good Friday Glacier on Axel Heiberg Island surging?” In: *Canadian Journal of Earth Sciences* 6.4, pp. 891–894.
- (1976). “On the thermal regime of a high-arctic valley glacier”. In: *Journal of Glaciology* 16.74, pp. 119–133.
- (1980). “Glaciers and their fluctuations”. In: *Nature and Resources* 16, pp. 5–11.
- Müller, F. and C. Ommanney (1970). “The contribution of glacier ice to the world water balance (A status report on the World Glacier Inventory)”. In: *International Association of Scientific Hydrology. Proceedings of the Reading Symposium*. Pp. 7–20.
- Müller, H. (1977). “Fossile Böden (fAh) in einer Schutthalde (Rotelsee, Simplon-Pass VS)”. In: *Bulletin Murithienne* 94, pp. 73–83.
- (1983). “Messungen zum aktuellen Gletschervorstoss und zur Verbreitung von Untergrundeis im Vorfeld des Rossbodegletschers (Simplon, Schweizer Alpen)”. In: *Innsbrucker Geographische Studien* 8, pp. 45–57.
- (1985). “On the radiation budget in the Alps”. In: *Journal of Climatology* 5, pp. 445–462.
- n., s. (s. a.). “Nigardsbreen, Norway. Water discharge and sediment transport”. In: pp. 27–33.
- Naef, F. (1981). “Can we model the rainfall-runoff process today?” In: *Hydrological Sciences - Bulletin - des Sciences Hydrologiques* 26.3, pp. 281–289.

- (1985). “How does one estimate flood peaks in small catchments in Switzerland without discharge measurements”. In: *Beiträge zur Hydrologie* 5, pp. 415–428.
- (1989). “Hydrologie des Bodensees und seiner Zuflüsse”. In: *Vermessung, Photogrammetrie, Kulturtechnik* 1, pp. 15–17.
- Naef, F. and M. Jäggi (1990). “Das Hochwasser vom 24./25. August 1987 im Urner Reusstal”. In: *wasser, energie, luft - eau, énergie, air* 82.9, pp. 222–227.
- Nagl, H. (1971). “Zur Erkenntnis quartärer Klimaschwankungen aus geomorphologischen Erscheinungen am Beispiel des Pölltals (Hafnergruppe, Kärnten)”. In: *Carinthia II* 161, pp. 9–30.
- Nakawo, M., Y. Fujii, and M. L. Shrestha (1976a). “Flow of glaciers in Hidden Valley, Mukut Himal”. In: *Seppyo* 38, pp. 39–44.
- (1976b). “Water discharge of Rikha Samba Khola in Hidden Valley, Mukut Himal”. In: *Seppyo* 38, pp. 27–30.
- Naruse, R. and P. Skvarca (s. a.). “Thickening trend of Perito Moreno Glacier, southern Patagonia, in the 1990s”. In: pp. 153–157.
- Neave, K. G. and J. C. Savage (1970). “Icequakes on the Athabasca Glacier”. In: *Journal of Geophysical Research* 75.8, pp. 1351–1362.
- Nemec, J. et al. (2009). “Reconstruction of the annual balance of Vadret da Morteratsch, Switzerland, since 1865”. In: *Annals of Glaciology* 50, pp. 126–134.
- Neumann, J. (1985). “Climatic change as a topic in the classical greek and roman literature”. In: *Climatic Change* 7, pp. 441–454.
- (1992). “Climatic conditions in the Alps in the years about the year of Hannibal’s crossing (218 BC)”. In: *Climatic Change* 22, pp. 139–150.
- Neumann, J. and S. Pärpola (1987). “Climatic change and the eleventh-tenth-century eclipse of Assyria and Babylonia”. In: *Journal of Near Eastern Studies* 46, pp. 161–182.
- Nick, F. M. et al. (2009). “Large-scale changes in Greenland outlet glacier dynamics triggered at the terminus”. In: *Nature Geoscience* 2, pp. 110–114. DOI: 10.1038/ngeo394.
- Nicolussi, K. (1994). “Jahrringe und Massenbilanz. Dendroklimatologische Rekonstruktion der Massenbilanzreihe des Hintereisferners bis zum Jahr 1400 mittels Pinus cembra-Reihen aus den Ötztaler Alpen, Tirol”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 30, pp. 11–52.
- Noël, B. et al. (2017). “A tipping point in refreezing accelerates mass loss of Greenland’s glaciers and ice caps”. In: *Nature Communications* 8, p. 14730. DOI: 10.1038/ncomms14730.
- Noetzi, J., M. Hoelzle, and W. Haeberli (2003). “Permafrost: proceedings of the eighth International Conference on Permafrost. Lisse, The Netherlands”. In: ed. by M. Phillips. Institute of Geography University Zurich. Chap. Mountain permafrost and recent Alpine rock-fall event: a GIS-based approach to determine critical factors, pp. 827–832. DOI: <http://dx.doi.org/10.5167/uzh-33321>.

- Noetzli, J., C. Huggel, et al. (2006). “GIS-based modelling of rock-ice avalanches from Alpine permafrost areas”. In: *Computational Geosciences* 10, pp. 161–178. DOI: 10.1007/s10596-005-9017-z.
- Nolin, A. W. and J. Dozier (2000). “A hyperspectral method for remotely sensing the grain size of snow”. In: *Remote Sensing of the Environment* 74, pp. 207–216.
- Nussbaumer, S. U., F. Steinhilber, et al. (2011). “Alpine climate during the Holocene: a comparison between records of glaciers, lake sediments and solar activity”. In: *Journal of Quaternary Science* 26.7, pp. 703–713. DOI: 10.1002/jqs.1495.
- Nussbaumer, S. U. and H. J. Zumbühl (2012). “The Little Ice Age history of the Glacier des Bossons (Mont Blanc massif, France): a new high-resolution glacier length curve based on historical documents”. In: *Climatic Change* 111, pp. 301–334. DOI: 10.1007/s10584-011-0130-9.
- Nuth, C. and A. Kääb (2011). “Co-registration and bias correction of satellite elevation data sets for quantifying glacier thickness change”. In: *The Cryosphere* 5, pp. 271–290. DOI: 10.5194/tc-5-271-2011.
- Nye, J. F. (1963). “The response of a glacier to changes in the rate of nourishment and wastage”. In: *Proceedings of the Royal Society of London* 275, pp. 87–112.
- Ødegård, R. S. et al. (1992). “Thermal regime of a Vavall glacier, Erikbreen, northern Spitsbergen”. In: *Polar Research* 11, pp. 69–79.
- Oerlemans, J (Sept. 7, 2013). “A note on the water budget of temperate glaciers”. In: *The Cryosphere* 7.5, pp. 1557–1564.
- Oerlemans, J. (1988). “Simulation of historic glacier variations with a simple climate-glacier model”. In: *Journal of Glaciology* 34.118, pp. 333–341.
- (1989a). “Monitoring glaciers to detect climatic change”. In: *Discussion paper for LICC (December 1989)*.
- (1989b). “On the response of valley glaciers to climatic change”. In: *Glacier Fluctuations and Climatic Change. Glaciology and Quaternary Geology* 6, pp. 353–371.
- (1992). “Climate sensitivity of glaciers in southern Norway: application of an energy-balance model to Nigardsbreen, Hellstugubreen and Alftobreen”. In: *Journal of Glaciology* 38.129, pp. 223–232.
- (1994). “Quantifying global warming from the retreat of glaciers”. In: *Science* 264, pp. 243–245.
- (2005). “Extracting a climate signal from 169 glacier records”. In: *Science* 308.5722, pp. 675–677. DOI: 10.1126/science.1107046.
- (1991/1992). “A model for the surface balance of ice masses: part 1. Alpine glaciers”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 27/28, pp. 63–83.
- Oerlemans, J., B. Anderson, et al. (1998). “Modelling the response of glaciers to climate warming”. In: *Climate Dynamics* 14, pp. 267–274.
- Oerlemans, J., M. B. Dyurgerov, and R. S. W. Van de Wal (2007a). “Reconstructing the glacier contribution to sea-level rise back to 1850”. In: *The Cryosphere Discussions* 1, pp. 77–97.

- (2007b). “Reconstructing the glacier contribution to sea-level rise back to 1850”. In: *The Cryosphere* 1, pp. 59–65.
- Oerlemans, J. and J. P. F. Fortuin (1992). “Sensitivity of glaciers and small ice caps to greenhouse warming”. In: *Science* 258, pp. 115–117.
- Oerlemans, J. and N. C. Hoogendoorn (1989). “Mass-balance gradients and climatic change”. In: *Journal of Glaciology* 35.121, pp. 399–405.
- Oerlemans, J. and B. K. Reichert (2000). “Relating glacier mass balance to meteorological data by using a seasonal sensitivity characteristic”. In: *Journal of Glaciology* 46.152, pp. 1–6.
- Oeschger, H. (1975). “Umweltisotopenanalyse Isotope in Hydrologie und Glaziologie”. In: *Physikalische Blätter* 31, pp. 616–625.
- Oeschger, H., A. Renaud, and E. Schumacher (1962). “Essai de datage par le Tritium des couches de névé du Jungfraufirn et détermination de l’accumulation annuelle”. In: *Bulletin de la Société vaudoise des sciences naturelles* 306, pp. 49–56.
- Oeschger, H., U. Schotterer, et al. (1977). “First results from alpine core drilling projects”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 13.1/2, pp. 193–208.
- Ohmura, A. (2001). “Physical basis for the temperature-based melt-index method”. In: *Journal of Applied Meteorology* 40, pp. 753–761. DOI: 10.1175/1520-0450(2001)040<0753:PBFTTB>2.0.CO;2.
- (2006). “Changes in mountain glaciers and ice caps during the 20th century”. In: *Annals of Glaciology* 43, pp. 361–368.
- (2011). “Observed mass balance of mountain glaciers and Greenland Ice Sheet in the 20th century and the present trends”. In: *Surveys in Geophysics* 32.4-5, pp. 537–534. DOI: 10.1007/s10712-011-9124-4.
- Ohmura, A., P. Kasser, and M. Funk (1986). “Parametrization of glacierization for a climate model”. In: *Proceedings of ISLSCP Conference, Rome, Italy, 2-6 December 1985*.
- (1992). “Climate at the equilibrium line of glaciers”. In: *Journal of Glaciology* 38.130, pp. 397–411.
- Olsen, K. (1982). “Die 1. Chinesisch-deutsche Tibet-Expedition 1981”. In: *Sitzungsberichte und Mitteilungen der Braunschweigischen Wissenschaftlichen Gesellschaft*.
- Olszewski, A. and J. Szupryczynski (1980). “Texture of recent morainic deposits of a terminal zone of the Werenskiöld Glacier (Spitsbergen)”. In: *Polish Polar Research* 1.2-3, pp. 45–74.
- Ommanney, C. S. L. (1995). “100 years of glacier observation in Canada”. In: *Geografia Fisica e Dinamica Quaternaria* 18, pp. 321–330.
- Orombelli, G. (1986). “La prima spedizione del programma nazionale di ricerche in Antartide”. In: *Rivista Geografica Italiana* 93, pp. 129–169.
- (1987). “Nuove datazione 14C per il quaternario superiore delle Alpe Centrali”. In: *Natura Bresciana* 23, pp. 343–346.
- (2005). “Il Ghiacciaio del Ruitor (Valle d’Aosta) nella piccola età glaciale”. In: *Geografia Fisica e Dinamica Quaternaria* 7, pp. 239–251.

- Orombelli, G., C. Baroni, and H. Denton (1990). "Late cenozoic glacial history of the Terra Nova Bay Region, Northern Victoria Land, Antarctica". In: *Geografia Fisica e Dinamica Quaternaria* 13, pp. 139–163.
- Ostanin, O. V. and N. N. Mikhailov (2005). "Altai glacier changes since the end of the 19th century. 21st century development tendencies". In: *Ice and Climate News*, No. 6, August 2005.
- Østrem, G. (1985). "Snow and ice – Remote Sensing Applications in civil engineering". In: *Meddelelse fra Hydrologisk Adveling* 49. reprint from Proceedings of the Postgraduate Summer School held at the University of Dundee 19 Aug. – 8 Sept. 1984.
- Østrem, G. (1963). "Comparative crystallographic studies on ice-cored moraines, snow-banks and glaciers". In: *Geografiska Annaler* 45.4, pp. 210–240.
- (1972). "Height of the glaciation level in Northern British Columbia and Southeastern Alaska". In: *Geografiska Annaler* 54, pp. 76–84.
- (1985). "Snow and ice - remote sensing applications in civil engineering". In: *Proceeding of the Postgraduate Summer School held at the University of Dundee, 19. Aug. - 8. Sept. 1984*, pp. 151–163.
- (1986a). "Repeated glacier mapping for hydrological purposes: Water power planning". In: *Annals of Glaciology* 8, pp. 135–140.
- (1986b). "Repeated glacier mapping for hydrological purposes: Water power planning". In: *Meddelelse fra Hydrologisk Adveling* 52. reprint from Annals of Glaciology, vol. 8 (p. 135-140).
- Østrem, G. and K. Arnold (1970). "Ice-cored moraines in Southern British Columbia and Alberta, Canada". In: *Geografiska Annaler* 52, pp. 120–128.
- Østrem, G., N. Haakensen, and T. Eriksson (1981). "The glaciation level in Southern Alaska". In: *Geografiska Annaler* 63, pp. 251–260.
- Østrem, G. and H. Olsen (1987). "Sedimentation in a glacier lake". In: *Geografiska Annaler* 69, pp. 123–138.
- Østrem, G. and H. C. Olsen (1987). "Sedimentation in a glacier lake". In: *Meddelelse fra Hydrologisk Adveling* 57. reprint from Geografiska Annaler Vol. 69A, p. 123-138.
- Østrem, G. and A. Tvede (1986a). "Comparison of glacier maps - a source of climatological information?" In: *Geografiska Annaler* 68, pp. 225–231.
- (1986b). "Comparison of glacier maps – a source of climatological information?" In: *Meddelelse fra Hydrologisk Adveling* 53. reprint from Geografiska Annaler Vol. 68A, p. 225-231.
- Outcalt, S. I. and J. B. Benedict (1965). "Photo-interpretation of two types of rock glacier in the Colorado Front Range, U.S.A." In: *Journal of Glaciology* 5.42, pp. 849–856.
- Owen, L. A. et al. (2009). "Integrated research on mountain glaciers: Current status, priorities and future prospects". In: *Geomorphology* 103, pp. 158–171. DOI: 10.1016/j.geomorph.2008.04.019.
- Painter, T. H. et al. (2013). "End of the Little Ice Age in the Alps forced by Industrial black carbon". In: *Proceedings of the National Academy of Sciences*. DOI: 10.1073/pnas.1302570110.

- Pancza, A. and J. Ozouf (1988). "Contemporary frost action on different oriented rock walls: an example from the Swiss Jura mountains". In: *International Conference on Permafrost Proceedings*, pp. 830–833.
- Paterson, W. S. B. (1980). "Dynamics of snow and ice masses". In: ed. by S. C. Colbeck. Academic Press. Chap. Ice sheets and ice shelves, pp. 1–78.
- Paterson, W. S. B. and E. D. Waddington (1984). "Past precipitation rates derived from ice core measurements: Methods and data analysis". In: *Reviews of Geophysics and Space Physics* 22.2, pp. 123–130.
- Patzelt, G. (1973). "Die neuzeitlichen Gletscherschwankungen in der Venedigergruppe (Hohe Tauern, Ostalpen)". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 9.1-2, pp. 5–57.
- (1975). "Die Gletscher des inneren Pitztales". In: *Hochwasser und Lawinenschutz in Tirol*, pp. 244–250.
- (1981). "Die Gletscher der Österreichischen Alpen 1980/81". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 17.2, pp. 227–240.
- (1984). "Die Gletscher der österreichischen Alpen 1983/84". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 20, pp. 207–221.
- (1985). "The period of glacier advances in the Alps, 1965 to 1980". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 21, pp. 403–407.
- (1987). "Gegenwärtige Veränderungen an Gebirgsgletschern im weltweiten Vergleich". In: *Verhandlungen des Deutschen Geographentags* 43, pp. 259–264.
- Patzelt, G. and S. Bortenschlager (1973). "Die postglazialen Gletscher- und Klimaschwankungen in der Venedigergruppe (Hohe Tauern, Ostalpen)". In: *Geomorphologie. N. F.* 16, pp. 25–72.
- Patzelt, G. and W. Resch (1986). "Quartärgeologie des mittleren Tiroler Inntales zwischen Innsbruck und Baumkirchen (Exkursion C am 3. April 1986)". In: *Jahresbericht Mitteilungen des Oberrheinischen Geologischen Vereins* 68, pp. 43–66.
- Patzelt, G., E. Schneider, and G. Moser (1984). "Der Lewis-Gletscher, Mount Kenya. Begleitworte zur Gletscherkarte 1983". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 20, pp. 177–195.
- Patzelt, G. and H. Slupetzky (1970). "Die Vertikalkomponente der Gletscherbewegung auf der Pasterze 1968-69 und ihr Einfluss auf die Berechnung der Massenbilanz". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 6.1-2, pp. 119–127.
- Paul, F. (2002). "The new remote sensing derived Swiss glacier inventory". In: *Annals of Glaciology* 34, pp. 355–361.
- Paul, F., H. Escher-Vetter, and H. Machguth (2009). "Comparison of mass balances for Vernagtferner, Oetztal Alps, as obtained from direct measurements and distributed modelling". In: *Annals of Glaciology* 50, pp. 169–177.
- Paul, F., H. Frey, and R. Le Bris (2001). "A new glacier inventory for the European Alps from Landsat TM scenes of 2003: challenges and results". In: *Annals of Glaciology* 52.59, pp. 144–152.

- Paul, F. and W. Haeberli (2008a). “Spatial variability of glacier elevation changes in the Swiss Alps obtained from two digital elevation models”. In: *Geophysical Research Letters* 35, p. L21502. DOI: 10.1029/2008GL034718.
- Paul, F. and W. Haeberli (2008b). “Spatial variability of glacier elevation changes in the Swiss Alps obtained from two digital elevation models”. In: *Geophysical Research Letters* 35.21, L21502, doi:10.1029/2008GL034718. DOI: 10.1029/2008GL034718.
- Paul, F., C. Huggel, and A. Kääb (2004). “Combining satellite multispectral image data and a digital elevation model for mapping debris-covered glaciers”. In: *Remote Sensing of the Environment* 89, pp. 510–518.
- Paul, F. and A. Kääb (2005). “Perspectives on the production of a glacier inventory from multispectral satellite data in Arctic Canada: Cumberland Peninsula, Baffin Island”. In: *Annals of Glaciology* 42, pp. 59–66.
- Paul, F., A. Kääb, and W. Haeberli (2007). “Recent glacier changes in the Alps observed by satellite: Consequences for future monitoring strategies”. In: *Global and Planetary Change* 56, pp. 111–122.
- Paul, F., A. Kääb, M. Maisch, et al. (2004a). “Rapid disintegration of Alpine glaciers observed with satellite data”. In: *Geophysical Research Letters* 31, p. L21402. DOI: 10.1029/2004GL020816.
- (2004b). “Rapid disintegration of Alpine glaciers observed with satellite data”. In: *Geophysical Research Letters* 31, p. L21402. DOI: 10.1029/2004GL020816.
- Paul, F., A. Kääb, H. Rott, et al. (2009). “GlobGlacier: A new ESA project to map the world’s glaciers and ice caps from space”. In: *EARSEL Proceedings* 8.1, pp. 11–25.
- Paul, F., M. Maisch, et al. (2007). “Calculation and visualisation of future glacier extent in the Swiss Alps by means of hypsographic modelling”. In: *Global and Planetary Change* 55, pp. 343–357.
- Paul, F. and N. Mölg (2014). “Hasty retreat of glaciers in northern Patagonia from 1985 to 2011”. In: *Journal of Glaciology* 60.224, pp. 1033–1043.
- Pavoni, N. (1961). “Faltung durch Horizontalverschiebung”. In: *Eclogae Geologicae Helveticae* 54.2, pp. 515–534.
- (1971a). “Gesetzmässigkeiten in der Anordnung ozeanischer Rücken”. In: *Umschau in Wissenschaft und Technik* 9, pp. 318–319.
- (1971b). “Recent and late cenozoic movements of the earth’s crust”. In: *Recent Crustal Movements* 9, pp. 7–17.
- (1975). “Zur Seismotektonik des Westalpenbogens”. In: *Vermessung, Photogrammetrie, Kulturtechnik* 3, pp. 185–187.
- (1990). “Bipolarität in der Struktur und Dynamik des Erdmantels”. In: *Neue Zürcher Zeitung* 55, pp. 73–74.
- Peduzzi, P., C. Herold, and W. Silverio (2010). “Assessing high altitude glacier thickness, volume and area changes using field, GIS and remote sensing techniques: the case of Nevado Coropuna (Peru)”. In: *The Cryosphere* 4, pp. 313–323. DOI: 10.5194/tc-4-313-2010.
- Pelfini, M. (1994). “Equilibrium line altitude (ELA) variations recorded by Ortles-Cevedale Glaciers (Lombardy, Italy) from Little Ice Age to present”. In: *Geografia Fisica e Dinamica Quaternaria* 17, pp. 197–206.



- Pelto, M. S. (2006). "The current disequilibrium of North Cascade glaciers". In: *Hydrological Processes* 20, pp. 769–779. DOI: 10.1002/hyp.6132.
- Pérez, F. L. (1989). "Talus fabric and particle morphology on Lassen Peak, California". In: *Geografiska Annaler* 71, pp. 43–57.
- Peschke, W. (1998). *Erste Ergebnisse einer Auswertung der Längenänderungsdaten der Schweizer Messnetzgletscher*. Tech. rep. ETH Zürich.
- Peterson, J. A., C. G. S. Hope, and R. Mitton (1973). "Recession of snow and ice fields of Irian Jaya, Republic of Indonesia". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 9.1-2, pp. 73–87.
- Péwé, T. L. (1957). "Permafrost and its effect on life in the north". In: *Arctic Biology*, pp. 12–25.
- (1989). "Geologic evolution of Arizona". In: ed. by J. P. Jenney and S. J. Reynolds. Arizona Geological Society. Chap. Environmental geology of Arizona, pp. 841–861.
- Pfeffer, W. T. et al. (2014). "The Randolph Glacier Inventory : a global complete inventory of glaciers". In: *Journal of Glaciology* 60.221, pp. 537–552.
- Pfister, C. (2005). "Kulturelle Konsequenzen der "Kleinen Eiszeit"". In: ed. by W. Behringer, H. Lehmann, and C. Pfister. Vandenhoeck & Ruprecht. Chap. Weeping in the Snow, pp. 31–86.
- Pfister, C. and P. Messerli (1993). "The earth as transformed by human action. Global and regional changes in the biosphere over the past 300 years". In: ed. by B. L. Turner et al. Cambridge University Press with Clarke University. Chap. Switzerland, pp. 641–652.
- Pissart, A. and P. Lambot (1989). "Les mouvements actuels du sol en Belgique: Comparaison de deux nivellements Ign (1946-1948 et 1976-1980)". In: *Annales de la Société Géologique de Belgique* 112, pp. 495–504.
- Plewes, L. A. and B. Hubbard (2001). "A review of the use of radio-echo sounding in glaciology". In: *Progress in Physical Geography* 25.2, pp. 203–236.
- Plummer, M. A. and F. M. Phillips (2003). "A 2-D numerical model of snow/ice energy balance and ice flow for paleoclimatic interpretation of glacial geomorphic features". In: *Quaternary Science Reviews* 22, pp. 1389–1406.
- Pope, A., T. Murray, and A. Luckman (2007). "DEM quality assessment for quantification of glacier surface change". In: *Annals of Glaciology* 46, pp. 189–194.
- Popovnin, V. V., T. A. Danilova, and D. A. Petrakov (1999). "A pioneer mass balance estimate for a Patagonian glacier: Glaciar de los Tres, Argentina". In: *Global and Planetary Change* 22, pp. 255–267.
- Post, A. (1969). "Distribution of surging glaciers in Western North America". In: *Journal of Glaciology* 8.53, pp. 229–240.
- Poveda, G. and K. Pineda (2009). "Reassessment of Colombia's tropical glaciers retreat rates: are they bound to disappear during the 2010-2020 decade?". In: *Advances in Geosciences* 22, pp. 107–116.
- Pritchard, Hamish D. (2017). "Asia's glaciers are a regionally important buffer against drought". In: *Nature* 545.7653, pp. 169–174. DOI: 10.1038/nature22062.

- Prodi, F. and G. Fea (1978). "Transport and deposition of Saharan dust over Alps". In: *Verhandlungen der funfzehnten internationalen Tagung für alpine Meteorologie*.
- Prohaska, F. and C. Thams (1940). "Neue Untersuchungen über die Strahlungseigenschaften der Schneedecke". In: *Helvetica Physica Acta* 13, pp. 21–44.
- Pugin, A. (1989). "Déglaciation dans la vallée préalpine de la Sarine en Gruyère: une analyse sédimentologique". In: *Eclogae Geologicae Helveticae* 82, pp. 285–324.
- (1991). "Sequences sedimentaires glaciaires dans le Seeland et le Mittelland bernois et soleurois". In: *Eclogae Geologicae Helveticae* 84.1, pp. 177–205.
- Rabassa, J. (1982). "Stratigraphy of the glacial deposits in Northern James Ross Island, Antarctic Peninsula". In: *INQUA Symposia of the Genesis and Lithology of Quaternary Deposits/ USA 1981 / Argentina 1982*, pp. 329–340.
- Rabatel, A. et al. (2013). "Current state of glaciers in the tropical Andes: a multi-century perspective on glacier evolution and climate change". In: *The Cryosphere* 7, pp. 81–102. DOI: 10.5194/tc-7-81-2013.
- Racoviteanu, A. E. et al. (2008). "Decadal changes in glacier parameters in the Cordillera Blanca, Peru, derived from remote sensing". In: *Journal of Glaciology* 54.186, pp. 499–510.
- Ract-Madoux, M. and M. Reynaud (1951). "L'exploration des glaciers en profondeur. Travaux de la mer de glace". In: *La Howille Blanche*. exposé par M. Ract-Madoux à la Sous-Section de Glaciologie, le 22 Novembre 1950.
- Radic, V., A. Bliss, et al. (2014). "Regional and global projections of twenty-first century glacier mass changes in response to climate scenarios from global climate models". In: *Climate Dynamics* 42.1-2, pp. 37–58.
- Radic, V. and R. Hock (2010). "Regional and global volumes of glaciers derived from statistical upscaling of glacier inventory data". In: *Journal of Geophysical Research* 115, F01010. DOI: 10.1029/2009JF001373.
- (2011). "Regionally differentiated contribution of mountain glaciers and ice caps to future sea-level rise". In: *Nature Geoscience* 4, pp. 91–94. DOI: 10.1038/ngeo1052.
- Radok, U. (1997). "The International Commission on Snow and Ice (ICSI) and its precursors, 1894-1994". In: *Hydrological Sciences - Bulletin - des Sciences Hydrologiques* 42.2, pp. 131–140.
- Raemy, F. and A. Huber (1990). "Erosion de la rive sud du lac de Neuchâtel". In: *wasser, energie, luft - eau, énergie, air* 82.10, pp. 286–290.
- Raper, S. C. B. and R. Braithwaite (2005). "The potential for sea level rise: New estimates from glacier and ice cap area and volume distributions". In: *Geophysical Research Letters* 32, p. L05502.
- (2006). "Low sea level rise projections from mountain glaciers and icecaps under global warming". In: *Nature* 439, pp. 311–313.
- Rapp, A. (1961). "Studies on the postglacial development of mountain slopes". In: *Meddelanden fran Uppsala Universitets Geografiska Institution Nr. 159*.
- Rappol, M. et al. (1989). "Composition and origin of petrographically-stratified thick till in the northern Netherlands and a saalian glaciation model for the North Sea Basin". In: *Meded. Werkgr. Tert. Kwart. Geol.* 26.2, pp. 31–64.

- Rasmussen, L. A. (1986a). "Estimating atmospheric refraction over Columbia Glacier". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 22.1, pp. 61–72.
- (1986b). "Refraction correction for radio echo-sounding of ice over ice by firn". In: *Journal of Glaciology* 32.111, pp. 192–194.
- (2009). "South Cascade glacier mass balance, 1935–2006". In: *Annals of Glaciology* 50, pp. 215–220.
- Raymond, C. et al. (2005). "Retreat of Glaciar Tyndall, Patagonia, over the last half-century". In: *Journal of Glaciology* 51.173, pp. 239–245.
- Reimann, R. (1979). "Gletscherbewegungsmessgerät". In: *Material und Technik* 7.4, pp. 182–186.
- Reinhardt, W. and H. Rentsch (1986). "Determination of changes in volume and elevation of glaciers using digital elevation models for the Vernagtferner, Ötztal Alps, Austria". In: *Annals of Glaciology* 8, pp. 151–155.
- Renaud, A. (1936). "Les entonnoirs du glacier de Gorner". In: *Denkschriften der Schweizerischen Naturforschenden Gesellschaft* 71, p. 27.
- René, P. (2002). "Activités glaciologiques dans les Pyrénées françaises en 2001". In: *Société Hydrotechnique de France*, pp. 1–8.
- Reuter, H. I., K. C. Kersebaum, and O. Wendroth (2005). "Modelling of solar radiation influenced by topographic shading - evaluation and application for precision farming". In: *Physics and Chemistry of the Earth* 30, pp. 143–149.
- Revelle, R. R. (1983). "Changing Climate: Report of Carbon Dioxide Assessment Committee". In: ed. by Carbon Dioxide Assessment Committee US National Research Council. National Academy Press. Chap. Probable future changes in sea level resulting from increased atmospheric carbon dioxide, pp. 433–448.
- Reynaud, L. (1975). "Mouvements du glacier en surface sur une courte échelle de temps". In: *Hydrological Sciences - Bulletin - des Sciences Hydrologiques* 20, pp. 329–339.
- (1979). "Reconstruction of past velocities of Mer de Glace using forbes bands". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 15.2, pp. 149–163.
- (1988). "Alpine glacier fluctuations and climatic changes over the last century". In: *Mitteilungen der Versuchsanstalt für Wasserbau und Erdbau, ETHZ* 94, pp. 127–146.
- Ricker, K. and W. Tupper (1996). "Overlord and Wedgemount Glaciers - A century of shrinkage". In: *B.C. Mountaineer Journal*, p. 5.
- Riezebos, P. A. et al. (1986). "Products and effects of modern eolian activity on a nineteenth-century glacier-pushed ridge in Western Spitsbergen, Svalbard". In: *Arctic and Alpine Research* 18, pp. 389–396.
- Rignot, E., A. Rivera, and G. Casassa (2003). "Contribution of the Patagonia Icefields of South America to sea level rise". In: *Science* 302, pp. 434–437.
- Rivera, A. et al. (2000). "Variaciones recientes de glaciares en Chile". In: *Investigaciones geográficas de la Universidad de Chile* 34, pp. 29–60.
- Robin, G. de Q. (1955). "Ice movement and temperature distribution in glaciers and ice sheets". In: *Journal of Glaciology* 2.18, pp. 523–532.

- Rolshoven, M. (1976). "Aktive Frostmusterung in Augsburg". In: *Eiszeitalter und Gegenwart* 27, pp. 189–192.
- (1977). "Aktualgeomorphologische Höhenstufen - ein Vergleich aus Ost- und Westalpen". In: *Mitteilungen der Geographischen Gesellschaft in München* 62, pp. 103–111.
- Rolstad, C., T. Haug, and B. Denby (2009). "Spatially integrated geodetic glacier mass balance and its uncertainty based on geostatistical analysis: application to the western Svartisen ice cap, Norway". In: *Journal of Glaciology* 55.192, pp. 666–680.
- Rostom, R. S. and S. Hastenrath (1994). "Variations of Mount Kenya's glaciers 1987-1993". In: *Erdkunde* 48, pp. 174–180.
- (1995). "Mapping the glaciers of Mount Kenya in 1947". In: *Erdkunde* 49, pp. 244–250.
- Rostom, R. and S. Hastenrath (2007). "Variations of Mount Kenya's glaciers 1993-2004". In: *Erdkunde* 61.3, pp. 277–283. DOI: 10.3112/erdkunde.2007.03.05.
- Röthlisberger, F. et al. (1980). "Holocene climatic fluctuations – Radiocarbon dating of fossil soils and woods from moraines and glaciers in the alps". In: *Geographica Helvetica*.
- Röthlisberger, G. (1992). "Unwetterschäden in der Schweiz im Jahre 1991". In: *wasser, energie, luft - eau, énergie, air* 84.3/4, pp. 37–41.
- Röthlisberger, H. (1955). "Studies in glacier physics on the Penny Ice Cap, Baffin Island, 1953. Part III: Seismic Sounding". In: *Journal of Glaciology* 2.18, pp. 539–552.
- (1963). "The Rhone Glacier Surveys". In: *Bulletin I.A.S.H.* 8.2, pp. 119–121.
- (1968a). "Das Problem der Tragfähigkeit der Eisdecke anlässlich der Zürcher Seegfrörni 1963". In: *Schweizerische Bauzeitung* 86.31, pp. 565–569.
- (1968b). "Erosive processes which are likely to accentuate or reduce the bottom relief of valley glaciers". In: *Commission of Snow and Ice. General Assembly of Bern, Sept.-Oct. 1967*.
- (1972). "Water pressure in intra- and subglacial channels". In: *Journal of Glaciology* 11.62, pp. 177–203.
- Röthlisberger, H. and H. Lang (1987). "Glacio-fluvial Sediment Transfer". In: ed. by A. M. Gurnell and M. J. Clark. John Wiley & Sons Ltd. Chap. Glacial Hydrology, pp. 207–284.
- Rudolph, R. (1961). "Die Eisablation auf dem Hintereisferner im Haushaltsjahr 1953/54". In: *58.-59. Jahresbericht des Sonnblick-Vereines 1960-1961*.
- Rutsch, R. F. and C. Schlüchter (1973). "Stratigraphische Gliederung der Molasse im bernischen Mittelland". In: *Mitteilungen der Naturforschenden Gesellschaft Bern* 30, pp. 86–90.
- Rutter, N. W. (1965). "Foliation pattern of Gulkana Glacier, Alaska Range, Alaska". In: *Journal of Glaciology* 5.41, pp. 711–718.
- Rybach, L. (1990). "Determination of thermal water circulation depth, with examples from the Valaisan Alps, Switzerland". In: *Memoires of the 22nd Congress of IAH*.

- Rybach, L., J. Häny, and W. Werner (1979). "Möglichkeiten und Grenzen der Nutzung geothermischer Energie in der Schweiz". In: *Technische Rundschau* 61, pp. 141–150.
- Rybach, L. and L. Hauber (1990). "Swiss geothermal energy update 1985-1990". In: *U.S. Geothermal Resource Council Transactions* 14, pp. 239–246.
- Rybach, L. and F. Medici (1989). "Radon und Strahlenbiologie der Lunge". In: ed. by R. Cramer and W. Burkart. Paul Scherrer Institut. Chap. Geologische Aspekte der Radon-Strahlenbelastung in der Schweiz, pp. 63–79.
- Rybach, L., D. Werner, et al. (1977). "Heat flow, heat production and crustal dynamics in the Central Alps, Switzerland". In: *Tectonophysics* 41, pp. 113–126.
- Sager, R. C. (1951). "Aerial analysis of permanently frozen ground". In: *Photogrammetric engineering*, pp. 551–571.
- Sailer, R., H. Kerschner, and A. Heller (1999). "Three-dimensional reconstruction of Younger Dryas glaciers with a raster-based GIS". In: *Glacial Geology and Geomorphology*.
- Salzmann, N., S. Gruber, et al. (2007). "Influence of different digital terrain model (DTMs) on alpine permafrost modelling". In: *Environ Model Assess* 12, pp. 303–313.
- Salzmann, N., A. Kääh, et al. (2004). "Assessment of the hazard potential of ice avalanches using remote sensing and GIS-modelling". In: *Norsk Geografisk Tidsskrift* 58, pp. 74–84.
- Salzmann, N., H. Machguth, and A. Linsbauer (2012). "The Swiss Alpine glaciers' response to the global 2°C air temperature target". In: *Environmental Research Letters* 7, 12pp.
- Sass, J. H. and A. H. Lachenbruch (1971). "Uniform heat flow in a deep hole in the Canadian shield and its paleoclimatic implications". In: *Journal of Geophysical Research* 76.35, pp. 8586–8596.
- Schädler, B. and F. Koch (1981). "Schneedecke automatisch erfasst". In: *wasser, energie, luft - eau, énergie, air* 73.1/2, pp. 15–16.
- Schälchli, U. (1995). "Basic equation for siltation of riverbeds". In: *Journal of Hydraulic Engineering* 121.3, pp. 274–287.
- Scheidegger, A. E. (1979a). "On the tectonics of the Western Himalaya". In: *Archiv für Meteorologie, Geophysik und Bioklimatologie* 28, pp. 98–106.
- (1979b). "Orientationsstruktur der Talanlagen in der Schweiz". In: *Geographica Helvetica* 34.1, pp. 1–8.
- Scheller, E. and Th. Müller (1971). "Ein Beispiel zur refraktionsseismischen Bestimmung der Felsoberfläche unter geringer Überdeckung". In: *Schweizerische Bauzeitung* 30, pp. 2–4.
- Scherler, D., B. Bookhagen, and M. R. Strecker (2011). "Spatially variable response of Himalayan glaciers to climate change affected by debris cover". In: *Nature Geoscience* 4, pp. 256–259. DOI: 10.1038/ngeo1068.
- Schindler, C. (1971). "Geologie von Zürich und ihre Beziehung zu Seespiegelschwankungen". In: *Vierteljahrsschrift der Naturforschenden Gesellschaft in Zürich* 116.2, pp. 283–315.

- Schindler, C., H. Röhliberger, and M. Gyger (1978). "Glaziale Stauchung in den Niederterrassen-Schottern des Aadorfer Feldes und ihre Deutung". In: *Eclogae Geologicae Helveticae* 71.1, pp. 159–174.
- Schlosser, E. (2000). "Möglichkeiten der Gletscher-Klima-Rekonstruktion am Beispiel des Hintereisferners, Tztaler Alpen". In: *Salzburger Geographische Arbeiten* 36, pp. 115–125.
- Schlüchter, C. (1976). "Die lithostratigraphische Gliederung der letzteiszeitlichen Ablagerungen zwischen Bern und dem Thunersee". In: *Beitrag zur Exkursionstagung des IGCP - Projektes 73/1/24. Quaternary glaciations in the northern hemisphere*.
- (1977). "Grundmoräne versus Schlammoräne - two types of lodgement till in the Alpine Foreland of Switzerland". In: *Boreas* 6, pp. 181–188.
- (1978). "Die stratigraphische Bedeutung von Verwitterungshorizonten im Quartär des Kantons Bern". In: *Eclogae Geologicae Helveticae* 71, pp. 227–232.
- (1979a). "Moraines and varves". In: *Proceedings of an Inqua Symposium on genesis and lithology of quaternary deposits. Zurich. September 1978*.
- (1979b). "Über Talabschnitte im Berner Mittelland zwischen Alpen und Jura (Schweiz)". In: *Eiszeitalter und Gegenwart* 29, pp. 101–113.
- (1988a). "Eskursion vom 11. Oktober 1987 der Schweizerischen Geologischen Gesellschaft im Rahmen der SNG-Jahrestagung in Luzern: Ein eiszeitgeologischer Überblick von Luzern zum Rhein - unter besonderer Berücksichtigung der Deckenschotter". In: *Eclogae Geologicae Helveticae* 81.1, pp. 249–258.
- (1988b). "Neue geologische Beobachtungen bei der Mammutfundstelle in Niederwenigen (Kt. Zürich)". In: *Vierteljahrsschrift der Naturforschenden Gesellschaft in Zürich* 133.2, pp. 99–108.
- (1991). "Klimageschichtliche Probleme der letzten 130000 Jahre". In: ed. by B. Frenzel. G. Fischer Verlag. Chap. Fazies und Chronologie des letzteiszeitlichen Eisaufbaus im Alpenvorland der Schweiz, pp. 401–408.
- Schlüchter, C. and M. Welten (1973). "Die Gliederung der letzteiszeitlichen Ablagerungen im Aaretal südlich von Bern (Schweiz)". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 9, pp. 123–141.
- Schmeits, M. and J. Oerlemans (1997). "Simulation of the historical variations in length of Unterer Grindelwaldgletscher, Switzerland". In: *Journal of Glaciology* 43.143, pp. 152–164.
- Schneeberger, C. et al. (2003). "Modelling changes in the mass balance of glaciers of the northern hemisphere for a transient 2 x CO<sub>2</sub> scenario". In: *Journal of Hydrology* 282, pp. 145–163.
- Schneider, A. (1973). "Flussumlegung im Prättigau (Kanton Graubünden), seismisch untersucht". In: *Geographica Helvetica* 28.2, pp. 118–120.
- (1986). "Contribution à l'étude du dernier interglaciaire: Resultats palynologiques à la grotte de Sclayn (Belgique)". In: *Revue de Paléobiologie* 5.1, pp. 57–70.
- Schommer, P. (1978). "Rechnerische Nachbildung von Wasserspiegelganglinien im Firn und Vergleich mit Feldmessungen im Ewigschneefeld (Schweizer

- Alpen)”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 14.2, pp. 173–190.
- Schöner, W., I. Auer, and R. Böhm (2000a). “Climate variability and glacier reaction in the Austrian eastern Alps”. In: *Annals of Glaciology* 31, pp. 31–38.
- Schöner, W., I. Auer, and R. Böhm (2000b). “Klimaänderung und Gletscherverhalten in den Hohen Tauern”. In: *Salzburger Geographische Arbeiten* 36, pp. 97–113.
- Schöner, W. and R. Böhm (2007). “A statistical mass balance model for reconstruction of LIA ice mass of glaciers of European Alps”. In: *Annals of Glaciology* 46, pp. 161–169. DOI: 10.3189/172756407782871639.
- Schotterer, U. et al. (1977). “Isotope measurements on firn and ice cores from alpine glaciers”. In: *Isotopes and impurities in snow and ice - Symposium Grenoble 1975*.
- Schram, K. (1966). “Untersuchung der vertikalen Komponente der Gletscherbewegung und der Deformation des Eises im Zungengebiet des Hintereisferners”. In: *Berichte des naturwissenschaftlichen-medizinischen Vereins Innsbruck* 54, pp. 75–150.
- Schriber, G., B. Stauffer, and F. Müller (1977). “ $^{18}\text{O}/^{16}\text{O}$ ,  $2\text{H}/1\text{H}$  and  $3\text{H}$  measurements on precipitation and air moisture samples from the North Water area”. In: *Isotopes and Impurities in Snow and Ice - Symposium. Grenoble*. 118, pp. 182–187.
- Schubert, C. (1979). “El Medio Ambiente Páramo”. In: ed. by M. L. Salgado-Labouriau. Ediciones Centro de Estudios Avanzados. Chap. La zona del paramo: Morfología glacial y periglacial de los Andes de Venezuela, pp. 11–27.
- (1983). “The Pleistocene and recent extent of the glaciers of the Sierra Nevada de Merida, Venezuela”. In: *Natural Environments and Man in Tropical Mountain Systems*.
- Schudel, P. et al. (1995). “Nitratbelastung im Grundwasser”. In: *gwa* 5, pp. 363–371.
- Schüepf, M. and G. Gensler (1986). “Witterungsänderungen in der Schweiz im 19. und 20. Jahrhundert. Ursachen und Folgen”. In: *Geographica Helvetica* 1, pp. 17–26.
- Schuhwerk, F. (1992). “Die Berücksichtigung der Ökologie in der Lichenometrie: Datierung mit Sukzessionsstadien von Flechtengesellschaften”. In: *Stuttgarter Geographische Studien* 117, pp. 161–175.
- Schwalbe, B. (1886). *Über Eishöhlen und Eislöcher, nebst einigen Bemerkungen über Ventarolen und niedrige Bohrtemperaturen*. Ed. by B. Schwalbe. R. Gaertners Verlagbuchhandlung.
- Schwitzer, M. P. and C. F. Raymond (1993). “Changes in the longitudinal profiles of glaciers during advance and retreat”. In: *Journal of Glaciology* 39.133, pp. 582–590.
- Sebert, L. M. (1969). “Topographic Maps of Glaciated Areas. A Cartographer’s Reply to W.E.S. Hensch”. In: *Canadian Cartographer*. 55th ser. 6, pp. 131–132.

- Seifert, C. and L. King (1989). "Die Windstruktur in hessischen Mittelgebirgen - eine meteorologische nutzungsbezogene Analyse". In: *Die Erde* 120, pp. 21–33.
- Seiler, W. (1980). "Die Erzeugung von monatlichen Niederschlagsreihen mittels Monte-Carlo-Technik und die Vorhersage wahrscheinlicher Erosionsereignisse im Oberlauf der Ergolz (Tafeljura, südöstlich Basel)". In: *Meteorologische Rundschau* 33, pp. 138–148.
- Seiler, W. (1981). "Vergleich des Abflussverhaltens und der Erosionserscheinungen in zwei kleinen Einzugsgebieten während einer Schneeschmelze mit zusätzlichem Niederschlag bei geforenem Untergrund und einem spätwinterlichen Dauerregen (Oberlauf der Ergolz, südöstlich Basel)". In: *Mitteilungen der Deutschen Bodenkundlichen Gesellschaft* 30, pp. 229–246.
- Seligman, G. (1941). "The structure of a temperate glacier". In: *Geogr. Journal* 97, pp. 295–318.
- Semmel, A. and G. Stäblein (1971). "Zur Entwicklung quartärer Hohlformen in Franken". In: *Eiszeitalter und Gegenwart* 22, pp. 23–34.
- Seppälä, M. (1972). "Glacier cave observations on Llewellyn Glacier, British Columbia". In: *Acta Geographica* 27, pp. 5–15.
- (1973). "On the formation of small marginal lakes on the Juneau Icefield, South-Eastern Alaska, U.S.A." In: *Journal of Glaciology* 12.65, pp. 267–273.
- Sevruk, B. (1974). "Methodische Untersuchungen über die Höhenabhängigkeit der Regenmenge im Gebirge". In: *Verhandlungen der 13.en Internationale Tagung für Alpine Meteorologie Saint - Vincent, 17.-19. Sept. 1974*.
- Sharp, R. P. (1956). "Glaciers in the Arctic". In: *Arctic. Journal of the Arctic Institute of North America* 9.1/2, pp. 78–117.
- Shea, J. M. and S. J. Marshall (2007). "Atmospheric flow indices, regional climate, and glacier mass balance in the Canadian Rocky Mountains". In: *International Journal of Climatology* 27, pp. 233–247.
- Shea, J. M., S. J. Marshall, and J. M. Livingston (2004). "Glacier distribution and climate in the Canadian Rockies". In: *Arctic, Antarctic and Alpine Research* 36.2, pp. 272–279.
- Shrestha, M. L., Y. Fujii, and M. Nakawo (1976). "Climate in Hidden Valley, Mukut Himal during the monsoon in 1974". In: *Seppyo* 38, pp. 105–108.
- Shreve, R. L. (1985). "Escher characteristics interms of glacier physics, Katahdin esker system, Maine". In: *Geological Society of America Bulletin* 96, pp. 639–646.
- Siegenthaler, U. et al. (1972). "Tritiummessungen an Wasserproben aus der Tibesti-Region". In: *Hochgebirgsforschung* 2, pp. 153–160.
- Simon, L. and L. Ommanney (1971). "Glacier Surveys by District Personnel of the Water Survey of Canada. 1. Victoria Glacier". In: *Glacier Inventory of the Inland Waters Branc Departement of the Environmental, Ottawa, Canada Note No. 6*.
- (1972). "Glacier Surveys by District Personnel of the Water Survey of Canada. 2. Peyto Glacier". In: *Glacier Inventory of the Inland Waters Branc Departement of the Environmental, Ottawa, Canada Note No. 7*.



- Skvarca, P., M. Stuefer, and H. Rott (1999). "Temporal changes of Glaciar Mayo and Laguna Escondida, southern Patagonia, detected by remote sensing data". In: *Global and Planetary Change* 22, pp. 245–253.
- Slupetzky, H. (1971). "Der Verlauf der Ausaperung am Stubacher Sonnblickkees (Hohe Tauern) Ergebnisse der Kartierung der temporären Schneegrenze". In: *Mitteilungen der Österreichischen Geographischen Gesellschaft* 113.1-2, pp. 1–24.
- (1979). "Die Massenbilanz des Filleckkeeses (Hohe Tauern) von 1964 bis 1978. Ein Beitrag zur Charakterisierung des Massenbilanz - und Umsatzverhaltens von sehr kleinen Gletschern". In: *Mitteilungen der Versuchsanstalt für Wasserbau, Hydrologie und Glaziologie an der ETH Zürich* 41, pp. 281–299.
- (2015). "Die Massenbilanzreihe vom Stubacher Sonnblickkees 1946 bis 2014 und die semidirekte Berechnung des Massenhaushalts von Gletschern". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 47/48.2013/14, pp. 167–200.
- Slupetzky, H. and N. Slupetzky (1995). "Betref des Wachstums der Kletscher und Kälterwerdung des Klimas. Die Kreisamts-Präsidialsakte Nr. 84-89 von 1820 im Salzburger Landesarchiv". In: *Salzburger Geographische Materialien* 23, pp. 3–43.
- Slupetzky, H., W. Slupetzky, and E. Kopecky (1971). "Neue Gletscherkarte vom Stubacher Sonnblickkees (Hohe Tauern)". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 7.1-2, pp. 153–166.
- Smiraglia, C. (1985). "I ghiacciai della Valmalenco". In: *Valmalenco - Natura* 1, pp. 205–222.
- (1987). "Le forme crionivali del Lago della Catena Rossa (Gruppo del Monte Cevedale, Alta Valle di Peio)". In: *Studi Trentini di Scienze Naturali* 64, pp. 57–64.
- (1988). "I fori crioclonitici del Ghiacciaio dei Forni (Alta Valtellina). Aspetti morfometrici e sedimentologici". In: *Rivista Geografica Italiana* 95, pp. 545–558.
- Smith, J. (1960). "Glacier problems in South Georgia". In: *Journal of Glaciology* 3.28, pp. 707–714.
- Sold, L. et al. (2013). "Methodological approach to infer end-of-winter snow distribution on alpine glaciers". In: *Journal of Glaciology* 59.218, pp. 1047–1059.
- Sollid, J. L., P. H. Bø, et al. (s. a.). "Glacial and glaciofluvial material transport in subpolar glaciers; examples from Svalbard". In:
- Sollid, J. L., B. Eitzelmüller, et al. (1994). "Glacial dynamics, material transfer and sedimentation of Erikbreen and Hannabreen, Liefdefjorden, northern Spitsbergen". In: *Zeitschrift Geomorphologie N.F.* 97, pp. 123–144.
- Solomina, O. et al. (2008). "Historical and holocene glacier-climate variations: general concepts and overview". In: *Global and Planetary Change* 60, pp. 1–9. DOI: <http://dx.doi.org/10.1016/j.gloplacha.2007.02.001>.

- Sorg, A. et al. (2012). "Climate change impacts on glaciers and runoff in Tien Shan (Central Asia)". In: *Nature Climate Change* 2, pp. 725–731. DOI: 10.1038/nclimate1592.
- Souchez, R. (1967). "The formation of shear moraines: an example from South Victoria Land, Antarctica". In: *Journal of Glaciology* 6.48, pp. 837–843.
- (1971). "Ice-cored moraines in South-Western Ellesmere Island, N.W.T., Canada". In: *Journal of Glaciology* 10.59, pp. 245–254.
- Souchez, R. and J. M. De Groot (1985). "D- and <sup>18</sup>O relationships in ice formed by subglacial freezing: Paleoclimatic implications". In: *Journal of Glaciology* 31.109, pp. 229–232.
- Souchez, R. and J. Jouzel (1984). "On the isotopic composition in D and <sup>18</sup>O of water and ice during freezing". In: *Journal of Glaciology* 30.106, pp. 369–372.
- Souchez, R. and M. Lemmens (1985). "Subglacial carbonate deposition: An isotopic study of a present-day case". In: *Paleogeography, Paleoclimatology, Paleocology* 51, pp. 357–364.
- Souchez, R., M. Lemmens, et al. (1978). "Pressure-melting within a glacier indicated by the chemistry of re-gelation ice". In: *Nature* 273.5662, pp. 454–456.
- Souchez, R. and R. Lorrain (1975). "Chemical sorting effect at the base of an alpine glacier". In: *Journal of Glaciology* 14.71, pp. 261–265.
- (1987). "Glacio-fluvial Sediment Transfer". In: ed. by A. M. Gurnell and M. J. Clark. John Wiley & Sons Ltd. Chap. The subglacial sediment system, pp. 147–164.
- Souchez, R. and R. D Lorrain (1978). "Origin of the basal ice layer from alpine glaciers indicated by its chemistry". In: *Journal of Glaciology* 20.83, pp. 319–328.
- Souchez, R., R. D. Lorrain, and M. M. Lemmens (1973). "Refreezing of interstitial water in a subglacial cavity of an alpine glacier as indicated by the chemical composition of ice". In: *Journal of Glaciology* 12.66, pp. 453–459.
- Souchez, R. and J. Tison (1981). "Basal freezing of squeezed water: Its influence on glacier erosion". In: *Annals of Glaciology* 2, pp. 63–66.
- (1987). "Freezing rate determination by the isotopic composition of the ice: Implications in Antarctic studies". In: *Proceedings of the Belgian National Colloquium on Antarctic Research. Brussels, October 20, 1987*.
- Souchez, R., J. Tison, and J. Jouzel (1987). "Freezing rate determination by the isotopic composition of the ice". In: *Geophysical Research Letters* 14.6, pp. 599–602.
- (1988). "Deuterium concentration and growth rate of Antarctic first-year sea ice". In: *Geophysical Research Letters* 15.12, pp. 1385–1388.
- Stäblein, G. (1969). "Die pleistozäne Vereisung und ihre isostatischen Auswirkungen im Bereich des Bellsunds (West-Spitzbergen)". In: *Eiszeitalter und Gegenwart* 20, pp. 123–130.
- (1970). "Untersuchung der Auftauschicht über Dauerfrost in Spitzbergen". In: *Eiszeitalter und Gegenwart* 21, pp. 47–57.

- (1971). “Der polare Permafrost und die Auftauschicht in Svalbard”. In: *Polarforschung* 7, pp. 110–120.
- (1972). “Zur Frage geomorphologischer Spuren arider Klimaphasen im Oberreinegebiet”. In: *Geomorphologie. N. F.* 15, pp. 66–68.
- (1975). “Eisrandlagen und Küstenentwicklung in West-Grönland”. In: *Polarforschung* 45.2, pp. 70–87.
- (1977a). “Arktische Böden West-Grönlands: Pedovarianz in Abhängigkeit vom geoökologischen Milieu”. In: *Polarforschung* 47.1/2, pp. 11–25.
- (1977b). “Periglaziale Höhenstufen zwischen Subarktis und Äquator”. In: *Die Erde* 108, pp. 151–154.
- Stäblein, G. (1977c). “Periglaziale Formengesellschaften und rezente Formungsbedingungen in Grönland”. In: *Abhandlungen der Akademie der Wissenschaften in Göttingen* 31, pp. 18–35.
- (1977d). “Permafrost im periglazialen Westgrönland”. In: *Erdkunde* 31, pp. 272–279.
- (1977e). “Rezente Morphodynamik und Vorzeitrelieffluenz bei der Hang- und Talentwicklung in Westgrönland”. In: *Geomorphologie. N. F.* 28, pp. 181–199.
- (1978). “Traditionen und aktuelle Aufgaben der Polarforschung”. In: *Die Erde* 109, pp. 229–267.
- (1979). “Kanada. Naturraum und Entwicklungspotenzial”. In: ed. by A. Pletsch and C. Schott. Vol. 79. Geographisches Institut der Universität Marburg. Chap. Verbreitung und Probleme des Permafrostes im nördlichen Kanada, pp. 27–43.
- (1980). “Studies in the periglacial environment: A review of geomorphodynamic, cryopedological and Quaternary research in Germany”. In: *Geomorphologie. N. F.* 36, pp. 84–95.
- Stauffer, B. (1985). “Untersuchungen an Eisbohrkernen von Alpengletschern”. In: *Geographica Helvetica* 4, pp. 223–229.
- Steck, A. (1983). “Geologie der Aletschregion (VS)”. In: *Bulletin Murithienne* 101, pp. 135–154.
- Steiner, D., A. Pauling, et al. (2008). “Sensitivity of European glaciers to precipitation and temperature - two case studies”. In: *Climatic Change* 90, pp. 413–441.
- Steiner, D., A. Walter, and H. J. Zumbühl (2005). “The application of a nonlinear backpropagation neural network to study the mass balance of the Great Aletsch Glacier”. In: *Journal of Glaciology* 51.173, pp. 313–323.
- Steinert, H. (1988). “Zweifel am Klimakollaps”. In: *Die Zeit* 43, pp. 96–98.
- Steinmann, G. (1899). “Ueber glaciale StauchungerscStauchung (sogen. Taschen) am Bieler See”. In: *Neues Jahrbuch für Mineralogie, Geologie und Palaeontologie* 1, pp. 216–230.
- Stingl, H. (1974). “Zur Genese und Entwicklung von Strukturbodenformen”. In: *Abhandlungen der Akademie der Wissenschaften in Göttingen* 29, pp. 249–262.

- Stingl, H. and K. Garleff (1978). "Gletscherschwankungen in den subtropisch-semiariden Hochanden Argentiniens". In: *Geomorphologie. N. F.* 30, pp. 115–131.
- (1983). "Beobachtungen zur Hang- und Wandentwicklung in der Periglazialstufe der subtropisch-semiariden Hochanden Argentiniens". In: *Abhandlungen der Akademie der Wissenschaften in Göttingen* 35, pp. 199–213.
- (1984a). "Spätglaziale und holozäne Gletscher- und Klimaschwankungen in den argentinischen Anden". In: *Zbl. Geol. Paläont. Teil 1* 11/12, pp. 1667–1677.
- (1984b). "Tertiäre und pleistozäne Reliefentwicklung an der interozeanischen Wasserscheide in Südpatagonien (Gebiet von Rio Turbio, Argentinien)". In: *Berliner Geographische Abhandlungen* 36, pp. 113–118.
- Stingl, H. and K. Garleff (1985). "Glacier variations and climate of the late quaternary in the subtropical and mid-latitude Andes of Argentina". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 21, pp. 225–228.
- Stingl, H., K. Garleff, and E. Brunotte (1983). "Pedimenttypen im westlichen Argentinien". In: *Geomorphologie. N. F.* 48, pp. 213–224.
- Stingl, H. and R. Herrmann (1976). "Untersuchungen zum Strukturbodenproblem auf Island Geländebeobachtungen und statistische Auswertung". In: *Geomorphologie. N. F.* 20.2, pp. 205–226.
- Storad, C. J. (1990). "Forever frozen". In: *ASU Research Fall 1990*.
- Streiff-Becker, R. (1939). "Glärner Gletscherstudien". In: *Mitteilungen der Naturforschenden Gesellschaft des Kantons Glarus* 6, pp. 1–31.
- (1949). "Der Glärnisch-Gletscher". In: *Vierteljahrsschrift der Naturforschenden Gesellschaft in Zürich* 94, pp. 109–122.
- Strunk, H. (1987). "Strukturbedingtes Mikrorelief am Fako (Mt. Cameroon) und Konvergenzformen: Ein genetischer Vergleich". In: *Geomorphologie. N. F.* 66, pp. 1–14.
- (1989a). "Dendrochronological investigations on the frequency of debris flows in the Italian Alps". In: *Geografia Fisica e Dinamica Quaternaria* 2, pp. 13–17.
- (1989b). "Dendrogeomorphology of debris flows". In: *Dendrochronologia* 7, pp. 15–25.
- Sugiyama, S. et al. (2007). "Evolution of Rhonegletscher, Switzerland, over the past 125 years and in the future: application of an improved flowline model". In: *Annals of Glaciology* 46, pp. 268–274.
- Susstrunk, A. (1951). "Sondage du glacier par la méthode sismique". In: *La Houille Blanche* A, pp. 309–317.
- Suter, S. and M. Hoelzle (2004). "Kalte Gletscher als Paläotemperaturarchiv - Untersuchungen aus dem Monte-Rosa-Gebiet". In: *Vierteljahrsschrift der Naturforschenden Gesellschaft in Zürich* 149.4, pp. 95–104.
- Suter, S., M. Hoelzle, and A. Ohmura (2004). "Energy balance at a cold alpine firn saddle, Seserjoch, Monte Rosa". In: *International Journal of Climatology* 24, pp. 1423–1442.

- Sverrisson, M., A. Jóhannesson, and H. Björnsson (1980). "Instruments and Methods. Radio-echo equipment for depth sounding of temperate glaciers". In: *Journal of Glaciology* 25.93, pp. 477–486.
- Swithinbank, C. (1983). "Towards an inventory of the Great Ice Sheets". In: *Geografiska Annaler* 65, pp. 289–294.
- Swithinbank, C. and C. Lane (1977). "Remote sensing of the terrestrial environment". In: ed. by R. F. Peel, L. F. Curtis, and E. C. Barrett. Butterworths. Chap. Antarctic mapping from satellite imagery, pp. 212–221.
- Taranquillini, W. (1974). "Der Einfluss von Seehöhe und Länge der Vegetationszeit auf das cuticuläre Transpirationsvermögen von Fichtensämlingen". In: *Berichte der Deutschen Botanischen Gesellschaft* 87, pp. 175–184.
- Tarr, R. S. and L. Martin (1906). "Glaciers and glaciation of Yakutat Bay, Alaska". In: *Bulletin of the American Geographical Society* 38, pp. 1–23.
- (1907). "Position of Hubbard glacier front". In: *Bulletin of the American Geographical Society* 39, pp. 1–8.
- Tetreau, M. D. (1990). "Exit glacier terminus monitoring; Exit glacier, Kenai Fjords National Park". In:
- Theakstone, W. H. (1965). "Subglacial observations at Østerdalsisen, Svartisen". In: *Saertrykk av norsk geografisk tidsskrift* 20, pp. 38–43.
- (1966). "Deformed ice at the bottom of Østerdalsisen, Norway". In: *Journal of Glaciology* 6.43, pp. 19–21.
- (1967). "Basal sliding and movement near the margin of the Glacier Østerdalsisen, Norway". In: *Journal of Glaciology* 6.48, pp. 805–816.
- (1976). "Glacial lake sedimentation, Austerdalsisen, Norway". In: *Sedimentology* 23, pp. 671–688.
- (1979). "Observations within cavities at the bed of the glacier Østerdalsisen, Norway". In: *Journal of Glaciology* 23.89, pp. 273–281.
- Thiel, E. C. (1962). "The amount of ice on planet earth". In: *Antarctic Research, Geophysical Monograph* 7, pp. 172–175.
- Thompson, L. G. and S. Hastenrath (1981). "Climatic ice core studies at Lewis Glacier, Mount Kenya". In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 17.1, pp. 115–123.
- Thompson, L. G., S. Hastenrath, and B. Morales Arnao (1979). "Climatic ice core records from the tropical Quelccaya Ice Cap". In: *Science* 203, pp. 1240–1243.
- Thompson, L. G., E. Mosley-Thompson, et al. (2003). "Tropical glacier and ice core evidence of climate change on annual to millennial time scales". In: *Climatic Change* 59, pp. 137–155.
- Thouret, J. (1990). "Effect of the November 13, 1985 eruption on the snow pack and ice cap of Nevado del Ruiz volcano, Colombia". In: *Journal of Volcanology and Geothermal Research* 41, pp. 177–201.
- Thyssen, F. and M. Ahmad (1969). "Ergebnisse seismischer Messungen auf dem Aletschgletscher". In: *Polarforschung* 39.1, pp. 283–294.
- Thyssen, F., H. Eisner, et al. (1980). "Kartierung von wassergesättigten Firnschichten auf dem Kesselwandferner mit dem EMR-Verfahren". In: *Polarforschung* 50.1/2, pp. 9–16.

- Thyssen, F., H. Kohlen, et al. (1974). "DC resistivity measurements on the sea ice near Pond Inlet, N.W.T. (Baffin Island)". In: *Polarforschung* 44, pp. 117–126.
- Tison, J. (1986). "Observation d'un mécanisme particulier de formation des couches de gglace babasal en Valais; Implications sur la cristallographie de la glace". In: *Société Hydrotechnique de France. Séction de Glaciologie*.
- Toutin, T. (2008). "ASTER DEMs for geomatic and geoscientific applications: a review". In: *International Journal of Remote Sensing* 29.7, pp. 1855–1875.
- Trabant, D. C., W. D. Harrison, and C. Benson (1973). "Thermal regime of McCall Glacier, Brooks Range, Northern Alaska". In: *Climate of the Arctic Twenty Fourth Alaska Science Conference, August 15-17, 1973*, pp. 347–349.
- Treydte, K. S. et al. (2006). "The twentieth century was the wettest period in northern Pakistan over the past millennium". In: *Nature* 440, pp. 1179–1182.
- Tsuchiya, I. (1984). "A very small glacier on Mt. Chokai, Japan, 1972-1981". In: *Geographical Review of Japan* 57, pp. 142–153.
- Turpin, O. C., R. I. Ferguson, and C. D. Clark (1997). "Remote sensing of snowline rise as an aid to test and calibrating a glacier runoff model". In: *Phys. Chem. Earth* 22.3-4, pp. 279–283.
- Tyrtikov, A. P. (1965). "Vegetation as indicator of composition and properties of seasonally frozen, active layer and permanently frozen ground, Igarka District". In: *International Geology Review* 7.2, pp. 196–201.
- UNESCO (1970). *Perennial ice and snow masses: A guide for compilation and assemblage of data for a world inventory*.
- Urdea, P. (1988). "Consideratii asupra ghetarilor de piere din Muntii Retezat". In: *St. Cer. Geol. Geofiz. Geogr., Geografie* 35, pp. 85–90.
- Valentine, K. W. G. et al. (1987). "Some aspects of quaternary soils in Canada". In: *Canadian Journal of Soil Science* 67.2, pp. 221–247.
- Van der Meer, J. J. M. (1982). "A recent drumlin with fluted surface in the Swiss Alps". In: *INQUA Symposia of the Genesis and Lithology of Quaternary Deposits/ USA 1981 / Argentina 1982*, pp. 105–109.
- (1987). "Tills and glaciotectionics". In: *Proceedings of an Inqua Symposium on Genesis and Lithology of Glacial Deposits. Amsterdam. 1986*.
- (1988). "Les Moraines de Pousee. Une étude comparative de ces formations en Holland, au Spitzberg et dans les Alpes". In: *Bulletin de la Société neuchâteloise de géographie* 32, pp. 159–171.
- Van der Meer, J. J. M. and G. S. Boulton (1986). "Hernieuwede belangstelling voor onderzoek van stuwwallen. Eerste resultaten van den glacitecs '84 expeditie naar Spitsbergen". In: *Geografisch tijdschrift* 20.3, pp. 236–244.
- Van der Meer, J. J. M., M. Rappol, and J. Semeijn (1985). "Sedimentology and genesis of glacial deposits in the Goudsberg, Central Netherlands". In: *medelingen rijks geologische dienst* 39.2, pp. 2–29.
- Van der Meer, J. J. M. and M. Vis (1986). "Achtergronden van een ramp: De uitbarsting van de Nevado del Ruíz (Colombia), November 1985". In: *Geografisch tijdschrift* 20.3, pp. 230–235.

- Van Dorsser, H. J. and A. I. Salomé (1973). "Different methods of detailed geomorphological mapping (with coloured example)". In: *K.N.A.G. Geografisch Tijdschrift* 7, pp. 71–74.
- Van Vliet Lanoe, B. (1985). "From frost to gelifluction: A new approach based on micromorphology its applications to arctic environment". In: *INTER-NORD* 17, pp. 15–20.
- (1987). "Interaction entre l'activité biologique et la glace de segregation en lentilles. Exemples en milieux arctiques et alpins". In: *Proceedings of the VIIth International Working Meeting on Soil Micromorphology. July 1985.* 337-343.
- Vanni, M. (1949). "Le variazioni dei ghiacciai in Italia nel 1947". In: *Consiglio Nazionale Ricerche* 7, pp. 113–118.
- Vanuzzo, C. (2001). "The glacier retreat in Valle d'Aosta (Western Italian Alps) from the Little Ice Age to the second half of the 20th century: Linear, areal, volumetric and equilibrium line altitude changes". In: *Geografia Fisica e Dinamica Quaternaria* 24, pp. 99–113.
- Vergara, W. et al. (2007). "Economic impacts of rapid glacier retreat in the Andes". In: *EOS* 88.25, pp. 261–268.
- Vidal, H. (1979). "Glaziale Übertiefung unter rezenten Gletschern und in deren Vorfeld". In: *Eiszeitalter und Gegenwart* 29, pp. 5–8.
- Vincent, C. (2002). "Influence of climate change over the 20th century on four French glacier mass balances". In: *Journal of Geophysical Research* 107, pp. D19, 4375.
- Vincent, C., G. Kappenberger, et al. (2004). "Ice ablation as evidence of climate change in the Alps over the 20th century". In: *Journal of Geophysical Research* 109, p. D10104.
- Vincent, C., E. Le Meur, et al. (2005). "Solving the paradox of the end of the Little Ice Age in the Alps". In: *Geophysical Research Letters* 32, 4 pp.
- Vincent, C., A. Soruco, et al. (2009). "Glacier thickening and decay analysis from 50 years of glaciological observations performed on Glacier d'Argentière, Mont Blanc area, France". In: *Annals of Glaciology* 50, pp. 73–79.
- Vischer, D. (1981a). "Der Forscher zwischen Karikatur und Wirklichkeit". In: *Technische Rundschau* 39, pp. 3–8.
- (1981b). "Verlandung von Stauseen". In: *Schweizer Ingenieur und Architekt* 47, p. 6.
- (1984). "Energievernichter im Wasserbau". In: *Schweizer Ingenieur und Architekt* 40, pp. 1–8.
- (1986). "Elektrizität aus Wasserkraft". In: *Physik unserer Zeit* 17.5, pp. 132–141.
- (1989). "Ideen zur Bodenseeregulierung. Ziele, Altes und Neues". In: *Mensuration, Photogrammétrie, Génie rural* 1, pp. 32–37.
- (1992). "Wellennutzung vor dem Durchbruch?" In: *Schweizer Ingenieur und Architekt* 9, pp. 172–177.
- (1993a). "Die Trink- und Brauchwasserableitungen aus dem Bodensee ihr Einfluss auf den Seespiegel und den Hochrhein". In: *wasser, energie, luft - eau, énergie, air* 85.3/4, pp. 45–47.

- (1993b). “Versiegelung der Landschaft - grössere Hochwasser?” In: *gwa* 4, pp. 280–283.
- (1995). “Stauseen als Trinkwasserspeicher. Ein Merkmal ostdeutscher Wasserversorgungen”. In: *Schweizer Ingenieur und Architekt* 22, pp. 12–16.
- Vischer, D. and H. Jensen (1982). “Abflussprognosen am Beispiel des Rheins bei Rheinfeldern”. In: *Mitteilung Nr. 3 der Landeshydrologie Bern: Beschaffung hydrologischer Unterlagen in der Schweiz, Fachtagung 1979 in Krattigen*, pp. 1–16.
- Vischer, D. and F. Naef (1985). “Hochwasserschätzung zur Bemessung der Hochwasserentlastung von Talsperren”. In: *wasser, energie, luft - eau, énergie, air* 77.5/6, pp. 110–115.
- Volkart, P. (1984). “Sohlenbelüftung gegen Kavitationserosion in Schussrinnen”. In: *Wasserwirtschaft* 74.9, pp. 1–5.
- Von Dechen, H. (s.a.). *Ueber die Eisbildung in den Strömen. Eine Vorlesung*, pp. 119–128.
- Von Helmholtz, H. (1903). *Eis und Gletscher*. Braunschweig, F. Vieweg und Sohn, pp. 233–263.
- Voskule, G. A. (s.a.). “Untersuchung und Vermessung des in der letzten Rückzugsperiode verlassenen Bodens des Hüfi-Gletschers”. In:
- Wagenbach, D., P. Bohleber, and S. Preunkert (2012). “Cold, alpine ice bodies revisited: What may we learn from their impurity and isotope content?” In: *Geografiska Annaler* 94.2, pp. 245–263. DOI: 10.1111/j.1468-0459.2012.00461.x.
- Wagenbach, D., U. Görlach, et al. (1983). “A long-term aerosol deposition record in a high altitude alpine glacier”. In: *WMO Technical Conference on Observation and measurement of atmospheric contaminants (Tecomac) Vienna 17 to 21 October 1983*.
- Wagenbach, D., K. O. Münnich, et al. (1988). “The anthropogenic impact on snow chemistry at Colle Gnifetti, Swiss Alps”. In: *Annals of Glaciology* 10, pp. 183–188.
- Wahnschaffe, F. (1904). “Die glacialen Störungen in den Kreidegruben von Finkenwalde bei Stettin”. In: *Briefe der Monatsberichte Nr. 3 Jahrg. 1904 der Deutschen geologischen Gesellschaft*.
- (1906). “Über glaziale Schichtenstörungen im Diluvium und Tertiär bei Freienwalde A. O. und Fürstenwalde A. D. Spree”. In: *Monatsberichte der Deutschen Geologischen Gesellschaft*, p. 13.
- Walder, J. S. (1982). “Stability of sheet flow of water beneath temperate glaciers and implications for glacier surging”. In: *Journal of Glaciology* 28.99, pp. 273–293.
- Walder, J. S. and B. Hallet (1979). “Geometry of former subglacial water channels and cavities”. In: *Journal of Glaciology* 23.89, pp. 335–346.
- Wallén, C. Ch. (1981). “Monitoring the world’s glaciers - the present situation”. In: *Geografiska Annaler* 63, pp. 197–200.
- Ward, B. C. and L. E. Jackson (1992). “Late Wisconsinian glaciation of Glenyon Range, Pelly Mountains, Yukon Territory, Canada”. In: *Canadian Journal of Earth Sciences* 29.9, pp. 2007–2012.



- Warren, S. G. (1980). "A model for the spectral albedo of snow. II: Snow containing atmospheric aerosols". In: *Journal of the Atmospheric Sciences* 37.12, pp. 2734–2745.
- (1982a). "Ice and climate models: An editorial essay". In: *Climatic Change* 4, pp. 329–340.
- (1982b). "Optical properties of snow". In: *Reviews of Geophysics and Space Physics* 20.1, pp. 67–89.
- (1984). "Impurities in snow: Effects on albedo and snowmelt". In: *Annals of Glaciology* 5, pp. 177–179.
- Washburn, A. L. (1983). "What is a palsa?" In: *Abhandlungen der Akademie der Wissenschaften in Göttingen* 35, pp. 34–47.
- (1984). "Robert Foster Black. 1918–1983. In Memoriam". In: *Arctic and Alpine Research* 16.2, pp. 265–269.
- Washburn, A. L. and G. Weller (1986). "Arctic research in the national interest". In: *Science* 223, pp. 633–639.
- Watson, E. and B. H. Luckman (2004). "Tree-ring-based mass-balance estimates for the past 300 years at Peyto Glacier, Alberta, Canada". In: *Quaternary Research* 62.1, pp. 9–18.
- Watson, R. T. and W. Haeberli (2004). *Environmental threats, mitigation strategies and high-mountain areas*. Tech. rep. Royal Swedish Academy of Sciences.
- Wayne, W. J. (1984). "Quaternary Dating Methods". In: ed. by W. C. Mahaney. Elsevier Science Publishers B. V. Chap. The quaternary succession in the Rio Blanco Basin, Cordón del Plata, Mendoza Province, Argentina: An application of multiple relative-dating techniques, pp. 389–406.
- Weber, E. et al. (2010). "Contribution of rain, snow- and icemelt in the upper Danube. Discharge today and in the future". In: *Geografia Fisica e Dinamica Quaternaria* 3, pp. 221–230.
- Weber, S. L. and J. Oerlemans (2003). "Holocene glacier variability: three case studies using an intermediate-complexity climate model". In: *The Holocene* 13.3, pp. 353–363.
- Weidick, A. (1975). "Grønlands geologiske undersøgelse rapport Nr. 68". In: The Geological Survey of Greenland. Chap. Estimates on the mass balance changes of the Inland Ice since Wisconsin-Weichsel, p. 21.
- (1988). "Surging glaciers in Greenland - a status". In: *Rapp. Grønlands geol. Unders.* 140, pp. 106–110.
- Weidick, A. and O. B. Olesen (1980). "Grønlands geologiske undersøgelse rapport Nr. 94". In: The Geological Survey of Greenland. Chap. Hydrological basins in West Greenland, p. 51.
- Weidick, A. and H. H. Thomsen (1986). "A decade of glacier investigations for utilisation of Greenland hydropower". In: *Rapp. Grønlands geol. Unders.* 128, pp. 157–169.
- Weinmeister, H. W. (1988). "Ökonomie und Ökologie am Beispiel des Schutzwasserbaues (landschaftsökologische und volkswirtschaftliche Grenzen des technischen Schutzwasserbaues)". In: *Internationales Symposium INTERPRAEVENT 1988 - Graz* 4, pp. 339–376.

- (1990). “Wildbachverbauung aus landschaftsökologischer Sicht”. In: *Österreichische Forstzeitung* 11, pp. 18–20.
- Wen-Ying, W. and C. Jian-ming (1980). “Terrestrial stereophotogrammetric surveying and mapping in the region of Mount Qomolangma and the Batura Glacier in Karakorum”. In: *Journal of Glaciology and Geocryology* 2.4, pp. 22–28.
- Werle, O. (1987). “Hochgebirge. Ergebnisse neuer Forschungen”. In: *Frankfurter Beiträge zur Didaktik der Geographie* 10, pp. 15–40.
- Werner, D. and W. Kley (1977). “Problems of heat storage in aquifers”. In: *Journal of Hydrology* 34, pp. 35–43.
- Whalley, W. B. (1976a). “A rock glacier and its relation to the mass balance of corrie glaciers, Strupbreen, Troms, Norway”. In: *Norsk Geografisk Tidsskrift* 30.2, pp. 51–55.
- Whalley, W. B. (1976b). “Some aspects of the structure and development of earth pillars and corrugated lateral moraine surfaces”. In: *Studia Geomorphologica Carpatho-Balcanica* 10, pp. 49–62.
- White, S. E. (1971). “Rock glacier studies in the Colorado front range, 1961 to 1968”. In: *Arctic and Alpine Research* 3.1, pp. 43–64.
- (1972). “Alpine subnival boulder pavements in Colorado Front Range”. In: *Geological Society of America Bulletin* 83, pp. 195–200.
- (1976a). “Is frost action really only hydration shattering? A review”. In: *Arctic and Alpine Research* 8.1, pp. 1–6.
- (1976b). “Rock glaciers and block fields, review and new data”. In: *Quaternary Research* 6, pp. 77–97.
- (1981a). “Equilibrium line altitudes of late pleistocene and recent glaciers in Central Mexico”. In: *Geografiska Annaler* 63.3-4, pp. 241–249.
- (1981b). “Neoglacial to recent glacier fluctuations on the Volcano Popocatepetl, Mexico”. In: *Journal of Glaciology* 27.96, pp. 359–363.
- (1982). “Physical and geological nature of the Indian Peaks, Colorado Front Range”. In: *Ecological Studies in the Colorado Alpine: A Festschrift for John W. Marr*.
- White, S. E. and S. Valastro (1984). “Pleistocene glaciation of Volcano Ajusco, Central Mexico, and comparison with the standard mexican glacial sequence”. In: *Quaternary Research* 21, pp. 21–35.
- Wick, P. (1973). “Fossiles Rieseneiskeysystem in spätglazialen Schottern im vorderen Prättigau (Graubünden/Schweiz)”. In: *Geomorphologie. N. F.* 16, pp. 15–24.
- Wien, K. (1935). “Die Gletschergebiete der Pamire und Westturkestan”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 23, 36–56 (Separatum).
- Williams, F. M. and K. Hutter (1983). “Thermal response of unconfined ice shelves to climatic conditions”. In: *Acta Mechanica* 47, pp. 131–146.
- Williams, G. P. (1968). “Freeze-up and break-up of fresh water lakes”. In: *Proceedings of a conference on ice pressures against structures held at Laval University, Quebec City, November 1966*, pp. 203–215.
- Williams, R. S. (1983). *Glaciers: Clues to future climate?*

- (1987). “Satellite remote sensing of Vatnajökull, Iceland”. In: *Annals of Glaciology* 9, pp. 127–136.
- Williams, R. S., T. K. Meunier, and J. G. Ferrigno (1983). “Blue ice, meteorites and satellite imagery in Antarctica”. In: *Polar Record* 21.134, pp. 493–504.
- Williams, R. S. and J. G. Moore (1976). *Man against volcano: The eruption of Heimaey, Vestmannaeyjar, Iceland*.
- Williams, R. S., S. Pórarinnsson, and E. C. Morris (1983). “Geomorphic classification of icelandic volcanoes”. In: *Jökull* 33, pp. 19–24.
- Wilson, P. (1990). “Morphology, sedimentological characteristics and origin of a fossil rock glacier on Muckish Mountain, Northwest Ireland”. In: *Geografiska Annaler* 72, pp. 237–247.
- Winiger, M., M. Gumpert, and H. Yamout (2005). “Karakorum - Hindukush - western Himalaya: assessing high-altitude water resources”. In: *Hydrological Processes* 19, pp. 2329–2338.
- Winsvold, S. H., A. Kääh, and C. Nuth (2016). “Regional Glacier Mapping Using Optical Satellite Data Time Series”. In: *IEEE Journal of Selected Topics in Earth Observations and Remote Sensing* 9.8, pp. 3698–3711. DOI: 10.1109/JSTARS.2016.2527063.
- Wintges, T. and H. Heuberger (1980). “Untersuchungen an Parabelrissen und Sichelbrüchen im Zemmgrund (Zillertal) und über die damit verbundene Abtragung”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 16.2, pp. 157–170.
- Wintges, Th. and H. Heuberger (1980). “Parabelrisse, Sichelbrüche und Sichelwannen im Vereinigungsbereich zweier Zillertaler Gletscher (Tirol)”. In: *Zeitschrift für Gletscherkunde und Glazialgeologie* 16.1, pp. 11–23.
- Wiscombe, W. J. and S. G. Warren (1980). “A model for the spectral albedo of snow. 1. Pure Snow”. In: *Journal of the Atmospheric Sciences* 37.12, pp. 2712–2733.
- Wisłinski, A. (1985). “Glacier in the vicinity of the Morskie Oko lake in the Tatra Mts”. In: *Annales Universitatis Mariae Curie-Sklodowska Lublin - Polonia Sectio B* 40, pp. 55–76.
- Wolfrath-Meyer, B. (1987). “Lithostratigraphische, sedimentologische und chronologische Untersuchungen im Quartär des Schweizer Seelands (Kantone Bern und Fribourg)”. In: *Eclogae Geologicae Helveticae* 80, pp. 207–222.
- Worsley, P. (2006). “Jens Esmark, Vassryggen and early glacial theory in Britain”. In: *Mercian Geologist* 16.3, pp. 161–172.
- Würländer, R. and M. Kuhn (2000). “Zur Erstellung und Anwendung der Produkte des neuen Österreichischen Gletscherkatasters”. In: *Salzburger Geographische Arbeiten* 36, pp. 57–67.
- Yafeng, S. (1980). “Some achievement on mountain glacier researches in China”. In: *Seppyo* 42.4, pp. 215–228.
- (1983). “Some idea on utilization of snow and ice resources in glaciated regions of northwest mountains”. In: *Journal of Glaciology and Geocryology* 5.1, pp. 85–87.

- Yamada, T. et al. (1992). "Fluctuations of the glaciers from the 1970s to 1989 in the Khumbu, Shorong and Langtang regions, Nepal Himalayas". In: *Bulletin of Glacier Research* 10, pp. 11–19.
- Zeller, J. and G. Röthlisberger (1988). "Unwetterschäden in der Schweiz im Jahre 1987". In: *wasser, energie, luft - eau, énergie, air* 80.1/2, pp. 29–42.
- Zemp, M., R. Frauenfelder, et al. (2005). "World-wide glacier mass balance measurements: general trends and first results of the extraordinary year 2003 in Central Europe". In: *Data of glaciological studies* 99, pp. 3–12.
- Zemp, M., W. Haeberli, et al. (2006). "Alpine glaciers to disappear within decades?" In: *Geophysical Research Letters* 33, 4 pp.
- Zemp, M., M. Hoelzle, and W. Haeberli (2007). "Distributed modelling of the regional climatic equilibrium line altitude of glaciers in the European Alps". In: *Global and Planetary Change* 56.1–2, pp. 83–100.
- Zemp, M., M. Hoelzle, and W. Haeberli (2009). "Six decades of glacier mass-balance observations: a review of the worldwide monitoring network". In: *Annals of Glaciology* 50, pp. 101–111.
- Zemp, M., A. Kääh, et al. (2005). "GIS-based modelling of glacial sediment balance". In: *Geomorphologie. N. F.* 138, pp. 113–129.
- Zemp, M., F. Paul, et al. (2008). "Darkening Peaks: Glacier Retreat, Science and Society". In: ed. by B. Orlove, E. Wiegandt, and B. H. Luckman. University of California Press. Chap. Glacier fluctuations in the European Alps, 1850–2000. An overview and a spatiotemporal analysis of available data, pp. 152–167.
- Zhijiu, C. (1985). "Discovery of Kunlunshan-type rock glaciers and the classification of rock glaciers". In: *Kexue Tongbao* 30.3, pp. 365–369.
- Zingg, Th. (1952). "Gletscherbewegungen der letzten 50 Jahre in Graubünden". In: *Wasser- und Energiewirtschaft* 44, pp. 132–135.
- Zollinger, F. (1982). "Die Modellversuche zum Geschieberückhaltebecken Schächen". In: *Schweizer Ingenieur und Architekt* 21, p. 7.
- Zumbühl, H. J. and B. Messerli (1980). "Das Klima". In: ed. by H. Oeschger, B. Messerli, and M. Svilar. Springer Berlin Heidelberg. Chap. Gletscherschwankungen und Temperaturverlauf. Beispiel einer Korrelationsanalyse von indirekten und direkten Klimazeugen am Beispiel der Grindelwaldgletscher und der 210jährigen Basler Temperaturreihe, pp. 161–174.