## References

- Adams, R. (1969). Small earthquakes in Victoria land, Antarctica. *Nature*, 224(5216), 255–256.
- Adams, R. (1988). Antarctic earthquakes. Nature, 331(6158), 665.
- Adams, R., Hughes, A., & Zhang, B. (1985). A confirmed earthquake in continental Antarctica. *Geophysical Journal International*, 81(2), 489–492.
- Allstadt, K., & Malone, S. D. [Stephen D.]. (2014). Swarms of repeating stick-slip icequakes triggered by snow loading at Mount Rainier volcano. *Journal of Geophysical Research: Earth Surface*, 119(5), 1180–1203. doi:10.1002/2014JF003086
- Amundson, J. M. [Jason M], Clinton, J. F., Fahnestock, M., Truffer, M., Lüthi, M. P., & Motyka, R. J. (2012). Observing calving-generated ocean waves with coastal broadband seismometers, Jakobshavn Isbræ, Greenland. *Annals of Glaciology*, 53(60), 79–84.
- Amundson, J. M. [Jason M], Fahnestock, M., Truffer, M., Brown, J., Lüthi, M. P., & Motyka, R. J. (2010). Ice mélange dynamics and implications for terminus stability, Jakobshavn Isbræ, Greenland. *Journal of Geophysical Research: Earth Surface*, 115(F1).
- Amundson, J., Truffer, M., Lüthi, M. P., Fahnestock, M., West, M., & Motyka, R. (2008). Glacier, fjord, and seismic response to recent large calving events, Jakobshavn Isbræ, Greenland. *Geophysical Research Letters*, 35(22).
- Anandakrishnan, S., & Alley, R. B. (1994). Ice Stream C, Antarctica, sticky spots detected by microearthquake monitoring. *Annals of Glaciology*, 20, 183–186.
- Anandakrishnan, S., & Alley, R. B. (1997). Tidal forcing of basal seismicity of ice stream C, West Antarctica, observed far inland. *Journal of Geophysical Research: Solid Earth*, 102(B7), 15183–15196.
- Anandakrishnan, S., & Bentley, C. R. (1993). Micro-earthquakes beneath Ice Streams B and C, West Antarctica: observations and implications. *Journal of Glaciology*, 39(133), 455–462.
- Anthony, R. E., Aster, R. C., Wiens, D., Nyblade, A., Anandakrishnan, S., Huerta, A., ... Rowe, C. (2014). The seismic noise environment of Antarctica. Seismological Research Letters, 86(1), 89–100.

- Aso, N., Tsai, V., Schoof, C., Whiteford, A., & Flowers, G. (2016). Moulins Detected as Ambient Noise Sources at the Kaskawulsh Glacier. In *AGU Fall Meeting Abstracts*.
- Aster, R. C. (2019). Interrogating a Surging Glacier With Seismic Interferometry. Geophysical Research Letters, 46(14), 8162–8165.
- Barcheck, C. G. [C Grace], Tulaczyk, S., Schwartz, S. Y., Walter, J. I., & Winberry, J. P. (2018). Implications of basal micro-earthquakes and tremor for ice stream mechanics: Stick-slip basal sliding and till erosion. *Earth and Planetary Science Letters*, 486, 54–60.
- Barcheck, C., Schwartz, S., Tulaczyk, S., & Walter, J. (2013). Observations of slip-coincident basal seismicity near the nucleation zone of Whillans Ice Plain stick-slip events. In *AGU Fall Meeting Abstracts*.
- Barruol, G., Cordier, E., Bascou, J., Fontaine, F. R., Legrésy, B., & Lescarmontier, L. (2013). Tide-induced microseismicity in the Mertz glacier grounding area, East Antarctica. *Geophysical Research Letters*, 40(20), 5412–5416. doi:10.1002/2013GL057814
- Bartholomaus, T., Labedz, C., Amundson, J., Gimbert, F., Tsai, V., Vore, M., & Karplus, M. (2017). Spatio-temporal evolution of efficient subglacial water discharge at Lemon Creek Glacier, Alaska. In *AGU Fall Meeting Abstracts*.
- Bartholomaus, T., Larsen, C. F., O'Neel, S., & West, M. (2012). Calving seismicity from iceberg—sea surface interactions. *Journal of Geophysical Research: Earth Surface*, 117(F4).
- Bartholomaus, T. C. [Timothy C], Amundson, J. M. [Jason M], Walter, J. I., O'Neel, S., West, M. E., & Larsen, C. F. (2015). Subglacial discharge at tidewater glaciers revealed by seismic tremor. *Geophysical research letters*, 42(15), 6391–6398.
- Bartholomaus, T. C. [Timothy C], Larsen, C. F., West, M. E., O'Neel, S., Pettit, E. C., & Truffer, M. (2015). Tidal and seasonal variations in calving flux observed with passive seismology. *Journal of Geophysical Research: Earth Surface*, 120(11), 2318–2337.
- Bassis, J. N., Coleman, R., Fricker, H., & Minster, J. (2005). Episodic propagation of a rift on the Amery Ice Shelf, East Antarctica. *Geophysical Research Letters*, 32(6).
- Bassis, J. N., Fricker, H. A., Coleman, R., Bock, Y., Behrens, J., Darnell, D., ... Minster, J.-B. (2007). Seismicity and deformation associated with ice-shelf rift propagation. *Journal of Glaciology*, 53(183), 523–536.

- Bassis, J. N., Fricker, H. A., Coleman, R., & Minster, J.-B. (2008). An investigation into the forces that drive ice-shelf rift propagation on the Amery Ice Shelf, East Antarctica. *Journal of Glaciology*, 54(184), 17–27.
- Behm, M., Walter, J. I. [Jacob I], Binder, D., Cheng, F., Citterio, M., Kulessa, B., ... Schöner, W., et al. (2020). Seismic characterization of a rapidly-rising Jökulhlaup cycle at the AP Olsen Ice Cap, NE-Greenland. *Journal of Glaciology*, 1–19.
- Benítez, M. C., Ramírez, J., Segura, J. C., Ibanez, J. M., Almendros, J., García-Yeguas, A., & Cortes, G. (2006). Continuous HMM-based seismicevent classification at Deception Island, Antarctica. *IEEE Transactions* on Geoscience and remote sensing, 45(1), 138–146.
- Benn, D. I., Warren, C. R., & Mottram, R. H. (2007). Calving processes and the dynamics of calving glaciers. *Earth-Science Reviews*, 82(3-4), 143–179.
- Bindschadler, R. A., King, M. A., Alley, R. B., Anandakrishnan, S., & Padman, L. (2003). Tidally controlled stick-slip discharge of a West Antarctic ice. *Science*, 301(5636), 1087–1089.
- Blankenship, D., Anandakrishnan, S., Kempf, J., & Bentley, C. (1987). Microearthquakes Under and Alongside Ice Stream B, Antarctica. Detected By A New Passive Seismic Array. *Annals of glaciology*, 9, 30–34.
- Bromirski, P. D., Sergienko, O. V., & MacAyeal, D. R. (2010). Transoceanic infragravity waves impacting Antarctic ice shelves. *Geophysical Research Letters*, 37(2).
- Brunt, K. M., Okal, E. A., & MacAYEAL, D. R. (2011). Antarctic ice-shelf calving triggered by the Honshu (Japan) earthquake and tsunami, March 2011. *Journal of Glaciology*, 57(205), 785–788.
- Canassy, P. D., Faillettaz, J., Walter, F., & Huss, M. (2012). Seismic activity and surface motion of a steep temperate glacier: a study on Triftgletscher, Switzerland. *Journal of Glaciology*, 58(209), 513–528.
- Canassy, P. D., Röösli, C., & Walter, F. (2016). Seasonal variations of glacier seismicity at the tongue of Rhonegletscher (Switzerland) with a focus on basal icequakes. *Journal of Glaciology*, 62(231), 18–30.
- Caplan-Auerbach, J., & Huggel, C. (2007). Precursory seismicity associated with frequent, large ice avalanches on Iliamna volcano, Alaska, USA. Journal of Glaciology, 53(180), 128–140.

- Carmichael, J. D. (2019). Narrowband signals recorded near a moulin that are not moulin tremor: a cautionary short note. *Annals of Glaciology*, 60(79), 231–237. doi:10.1017/aog.2019.23
- Carmichael, J. D., Pettit, E. C., Hoffman, M., Fountain, A., & Hallet, B. (2012). Seismic multiplet response triggered by melt at Blood Falls, Taylor Glacier, Antarctica. *Journal of Geophysical Research: Earth Surface*, 117(F3).
- Cathles IV, L., Okal, E. A., & MacAyeal, D. R. (2009). Seismic observations of sea swell on the floating Ross Ice Shelf, Antarctica. *Journal of Geophysical Research: Earth Surface*, 114(F2).
- Chaput, J., Aster, R. C., McGrath, D., Baker, M., Anthony, R. E., Gerstoft, P., ... Wiens, D. A., et al. (2018). Near-Surface Environmentally Forced Changes in the Ross Ice Shelf Observed With Ambient Seismic Noise. *Geophysical Research Letters*, 45(20), 11–187.
- Chen, X., Shearer, P., Walter, F., & Fricker, H. (2011). Seventeen Antarctic seismic events detected by global surface waves and a possible link to calving events from satellite images. *Journal of Geophysical Research:* Solid Earth, 116(B6).
- Christianson, K., Parizek, B. R., Alley, R. B., Horgan, H. J., Jacobel, R. W., Anandakrishnan, S., ... Muto, A. (2013). Ice sheet grounding zone stabilization due to till compaction. *Geophysical Research Letters*, 40(20), 5406–5411.
- Church, G., Bauder, A., Grab, M., Rabenstein, L., Singh, S., & Maurer, H. (2019). Detecting and characterising an englacial conduit network within a temperate Swiss glacier using active seismic, ground penetrating radar and borehole analysis. *Annals of Glaciology*, 1–13.
- Cichowicz, A. (1983). Icequakes and glacier motion: The hans glacier, spitsbergen. pure and applied geophysics, 121(1), 27–38. doi:10.1007/BF02590118
- Clarke, G. K. (2005). Subglacial processes. Annu. Rev. Earth Planet. Sci. 33, 247–276.
- Colgan, W., Rajaram, H., Abdalati, W., McCutchan, C., Mottram, R., Moussavi, M. S., & Grigsby, S. (2016). Glacier crevasses: Observations, models, and mass balance implications. Reviews of Geophysics, 54(1), 119–161.
- Contrafatto, D., Fasone, R., Ferro, A., Larocca, G., Laudani, G., Rapisarda, S., ... Cannata, A. (2018). Design of a seismo-acoustic station for Antarctica. Review of Scientific Instruments, 89(4), 044502.
- Cooley, J. (2017). Tidal and structural controls on seismic events near the grounding line at Beardmore Glacier, Antarctica.

- Cooley, J., Winberry, P., Koutnik, M., & Conway, H. (2019). Tidal and spatial variability of flow speed and seismicity near the grounding zone of Beardmore Glacier, Antarctica. *Annals of Glaciology*, 1–8.
- Crary, A. P. (1955). A brief study of ice tremors\*. Bulletin of the Seismological Society of America, 45(1), 1–9. eprint: https://pubs.geoscienceworld.org/bssa/article-pdf/45/1/1/2691976/BSSA0450010001.pdf
- Dahl-Jensen, T., Larsen, T. B., Voss, P. H., et al. (2010). Greenland ice sheet monitoring network (GLISN): a seismological approach. *Geological Survey of Denmark and Greenland Bulletin*, 20, 55–58.
- Danesi, S., Bannister, S., & Morelli, A. (2007). Repeating earthquakes from rupture of an asperity under an Antarctic outlet glacier. *Earth and Planetary Science Letters*, 253(1-2), 151–158.
- Das, S. B., Joughin, I., Behn, M. D., Howat, I. M., King, M. A., Lizarralde, D., & Bhatia, M. P. (2008). Fracture propagation to the base of the Greenland Ice Sheet during supraglacial lake drainage. Science, 320(5877), 778–781.
- de Juan, J., Elósegui, P., Nettles, M., Larsen, T. B., Davis, J. L., Hamilton, G. S., ... Ahlstrøm, A. P., et al. (2010). Sudden increase in tidal response linked to calving and acceleration at a large Greenland outlet glacier. *Geophysical Research Letters*, 37(12).
- Deichmann, N., Ansorge, J., & Röthlisberger, H. (1979). Observations of glacier seismicity on Unteraargletscher. *Journal of Glaciology*, 23(89), 409–409.
- Deichmann, N., Ansorge, J., Scherbaum, F., Aschwanden, A., Bernard, F., & Gudmundsson, G. (2000). Evidence for deep icequakes in an Alpine glacier. *Annals of Glaciology*, 31, 85–90.
- Diez, A., Bromirski, P. D., Gerstoft, P., Stephen, R. A., Anthony, R. E., Aster, R. C., ... Wiens, D. A. (2016). Ice shelf structure derived from dispersion curve analysis of ambient seismic noise, Ross Ice Shelf, Antarctica. *Geophysical Journal International*, 205(2), 785–795.
- Diez, A., & Eisen, O. (2015). Seismic wave propagation in anisotropic ice-Part 1: Elasticity tensor and derived quantities from ice-core properties. *The Cryosphere*, 9(1), 367–384.
- Doyle, S. H., Hubbard, A. L., Dow, C. F., Jones, G. A., Fitzpatrick, A. A. W., Gusmeroli, A., ... Box, J. E. (2013). Ice tectonic deformation during the rapid in situ drainage of a supraglacial lake on the Greenland Ice Sheet. *Cryosphere*, 7(1), 129–140.

- Dziak, R. P., Fowler, M. J., Matsumoto, H., Bohnenstiehl, D. R., Park, M., Warren, K., & Lee, W. S. (2013). Life and death sounds of iceberg A53a. *Oceanography*, 26(2), 10–13.
- Ekström, G., Nettles, M., & Abers, G. A. (2003). Glacial earthquakes. *Science*, 302(5645), 622–624.
- Ekström, G., Nettles, M., & Tsai, V. C. (2006). Seasonality and increasing frequency of Greenland glacial earthquakes. *Science*, 311(5768), 1756–1758.
- Faillettaz, J. [Jerome], Funk, M., & Sornette, D. (2011). Icequakes coupled with surface displacements for predicting glacier break-off. *Journal of Glaciology*, 57(203), 453–460.
- Faillettaz, J. [Jérome], Funk, M., & Vincent, C. (2015). Avalanching glacier instabilities: Review on processes and early warning perspectives. Reviews of Geophysics, 53(2), 203–224.
- Faillettaz, J. [Jérome], Pralong, A., Funk, M., & Deichmann, N. (2008). Evidence of log-periodic oscillations and increasing icequake activity during the breaking-off of large ice masses. *Journal of Glaciology*, 54(187), 725–737.
- Faillettaz, J. [Jérome], Sornette, D., & Funk, M. (2011). Numerical modeling of a gravity-driven instability of a cold hanging glacier: reanalysis of the 1895 break-off of Altelsgletscher, Switzerland. *Journal of Glaciology*, 57(205), 817–831.
- Gajek, W., Trojanowski, J., & Malinowski, M. (2017). Automating longterm glacier dynamics monitoring using single-station seismological observations and fuzzy logic classification: a case study from Spitsbergen. *Journal of Glaciology*, 63(240), 581–592.
- Gaull, B., Adamson, D., & Pickard, J. (1992). Seismicity associated with icebergs calving from glaciers near Mawson, East Antarctica. Australian Journal of Earth Sciences, 39(4), 473–480.
- Georgieva, G., Dimitrova, L., & Gourev, V. (2019). Ice generated events in Perunika Glacier, recorded by LIVV station. In 10th Congress of the Balkan Geophysical Society.
- Goldberg, D., Schoof, C., & Sergienko, O. (2014). Stick-slip motion of an Antarctic Ice Stream: The effects of viscoelasticity. *Journal of Geophysical Research: Earth Surface*, 119(7), 1564–1580.
- Gräff, D., & Walter, F. (2017). Microseismic Stick-Slip Motion of Alpine Glaciers. In AGU Fall Meeting Abstracts.

- Gräff, D. [Dominik], & Walter, F. [Fabian]. (2019). What do Subglacial Stick-Slip Asperities tell us about Stress Distributions and Dynamic Triggering on Natural Faults? In 27th International Union of Geodesy and Geophysics General Assembly (IUGG 2019) (IUGG19–1447). ETH Zurich, Laboratory of Hydraulics, Hydrology and Glaciology (VAW).
- Grob, M., Maggi, A., & Stutzmann, E. (n.d.). Observations of the seasonality of the Antarctic microseismic signal, and its association to sea ice variability. *Geophysical Research Letters*, 38(11). doi:10.1029/2011GL047525
- Guandique, J. A. (2019). Using Shear Waves to Characterize a Firn Aquifer on the Helheim Glacier in Southeast Greenland (Doctoral dissertation).
- Hamaguchi, H., & Goto, K. (1978). A study on ice faulting and icequake activity in the Lake Suwa,(2) temporal variation of m-value. *Science reports of the Tohoku University. Ser. 5, Geophysics*, 25(1), 25–38.
- Hammer, C., Ohrnberger, M., & Schlindwein, V. (n.d.). Pattern of cryospheric seismic events observed at Ekström Ice Shelf, Antarctica. *Geophysical Research Letters*, 42(10), 3936–3943. doi:10.1002/2015GL064029
- Harland, S., Kendall, J.-M., Stuart, G., Lloyd, G., Baird, A., Smith, A., ... Brisbourne, A. (2013). Deformation in Rutford Ice Stream, West Antarctica: measuring shear-wave anisotropy from icequakes. *Annals* of Glaciology, 54(64), 105–114.
- Harrison, W., Raymond, C., & MacKeith, P. (1986). Short period motion events on Variegated Glacier as observed by automatic photography and seismic methods. *Annals of Glaciology*, 8, 82–89.
- Hatherton, T. (1960). Microseisms at Scott Base. Geophysical Journal International, 3(4), 381–405.
- Hatherton, T., & Evison, F. (1962). A special mechanism for some Antarctic earthquakes. New Zealand Journal of Geology and Geophysics, 5(5), 864–873.
- Heeszel, D. S., Fricker, H. A., Bassis, J. N., O'Neel, S., & Walter, F. (2014). Seismicity within a propagating ice shelf rift: The relationship between icequake locations and ice shelf structure. *Journal of Geophysical Research:* Earth Surface, 119(4), 731–744.
- Heeszel, D. S., Walter, F. [Fabian], & Kilb, D. L. (2014). Humming glaciers. Geology, 42(12), 1099-1102.
- Helmstetter, A. [Agnès], Guillemot, A., Baillet, L., & Mayoraz, R. (2019). Seismic monitoring of the Gugla rock glacier: observations and perspectives. In *Geophysical Research Abstracts* (Vol. 21).

- Helmstetter, A. [Agnes], Moreau, L., Nicolas, B., Comon, P., & Gay, M. (2015). Intermediate-depth icequakes and harmonic tremor in an Alpine glacier (Glacier d'Argentière, France): Evidence for hydraulic fracturing? Journal of Geophysical Research: Earth Surface, 120(3), 402–416.
- Hudson, T. S. [Thomas S.], Smith, J., Brisbourne, A. M., & White, R. S. (2019). Automated detection of basal icequakes and discrimination from surface crevassing. *Annals of Glaciology*, 60(79), 167–181. doi:10. 1017/aog.2019.18
- Hudson, T. S. [Thomas Samuel]. (2019). *Investigating volcanic and glacial processes using microseismicity* (Doctoral dissertation, University of Cambridge).
- Jones, G., Kulessa, B., Doyle, S., Dow, C., & Hubbard, A. (2013). An automated approach to the location of icequakes using seismic waveform amplitudes. *Annals of Glaciology*, 54(64), 1–9. doi:10.3189/2013AoG64A074
- Jónsdóttir, K., Roberts, R., Pohjola, V., Lund, B., Shomali, Z. H., Tryggvason, A., & Böðvarsson, R. (2009). Glacial long period seismic events at Katla volcano, Iceland. *Geophysical Research Letters*, 36(11).
- Joughin, I., Howat, I., Alley, R. B., Ekstrom, G., Fahnestock, M., Moon, T., ... Tsai, V. C. (2008). Ice-front variation and tidewater behavior on Helheim and Kangerdlugssuaq Glaciers, Greenland. *Journal of Geophysical Research: Earth Surface*, 113(F1).
- Joughin, I., & MacAyeal, D. R. [Douglas R]. (2005). Calving of large tabular icebergs from ice shelf rift systems. *Geophysical research letters*, 32(2).
- Kaminuma, K. (1994). Seismic activity in and around the Antarctic continent. Terra Antarica, 1, 423–426.
- Kanao, M., Yamada, A., & Yamashita, M. (2012). Characteristic seismic waves associated with cryosphere dynamics in Eastern Dronning Maud Land, East Antarctica. *International Journal of Geophysics*, 2012.
- Köhler, A. (2018). Köhler, A., Weidle, C., Nuth, C.(2018): Seismic Monitoring of Glacier Activity on Svalbard (SEISMOGLAC)-Report, (Scientific Technical Report STR-Data; 17/09) (GIPP Experiment and Data Archive), Potsdam: GFZ German Research Centre for Geosciences.
- Köhler, A., Chapuis, A., Nuth, C., Kohler, J., & Weidle, C. (2012). Autonomous detection of calving-related seismicity at Kronebreen, Svalbard. *The Cryosphere*, 6(2), 393–406.
- Köhler, A., Gajek, W., Malinowski, M., Schweitzer, J., Majdanski, M., Geissler, W., ... Wuestefeld, A. (2020). Seismological monitoring of Svalbard's cryosphere: current status and knowledge gaps (CRYOSEIS). In SESS

- report 2019 (pp. 136–159). Svalbard Integrated Arctic Earth Observing System.
- Köhler, A., Maupin, V., Nuth, C., & Van Pelt, W. (2019). Characterization of seasonal glacial seismicity from a single-station on-ice record at Holtedahlfonna, Svalbard. *Annals of Glaciology*, 60(79), 23–36.
- Köhler, A., Nuth, C., Schweitzer, J., Weidle, C., & Gibbons, S. J. (2015). Regional passive seismic monitoring reveals dynamic glacier activity on Spitsbergen, Svalbard. *Polar Research*, 34(1), 26178.
- Köhler, A., Weidle, C., & Nuth, C. (2019). Glacier dynamic ice loss quantified through seismic eyes (CALVINGSEIS)-Report.
- Koubova, H. (2015). Localization and analysis of calving-related seismicity at Kronebreen, Svalbard (Master's thesis).
- Kristensen, M., Squire, V. A., & Moore, S. C. (1982). Tabular icebergs in ocean waves. *Nature*, 297(5868), 669.
- Labedz, C. R., Bartholomaus, T., Gimbert, F., Amundson, J. M., Vore, M. E., Karplus, M. S., & Tsai, V. C. (2017). Seismic observations of subglacial water discharge from glacier-dammed lake drainage at Lemon Creek Glacier, Alaska. In *AGU Fall Meeting Abstracts*.
- Laderach, C., & Schlindwein, V. (2011). Seismic arrays on drifting ice floes: experiences from four deployments in the Arctic Ocean. *Seismological Research Letters*, 82(4), 494–503.
- Larmat, C., Tromp, J., Liu, Q., & Montagner, J.-P. (2008). Time reversal location of glacial earthquakes. *Journal of Geophysical Research: Solid Earth*, 113(B9).
- Larose, E., Carrière, S., Voisin, C., Bottelin, P., Baillet, L., Guéguen, P., ... Garambois, S., et al. (2015). Environmental seismology: What can we learn on earth surface processes with ambient noise? *Journal of Applied Geophysics*, 116, 62–74.
- Larsen, T. B., Dahl-Jensen, T., Voss, P., Jørgensen, T. M., Gregersen, S., & Rasmussen, H. P. (2006). Earthquake seismology in Greenland—improved data with multiple applications. *Geological Survey of Denmark and Greenland Bulletin*, 10, 57–60.
- LAWRENCE, W. S., & Qamar, A. (1979). Hydraulic transients: A seismic source in volcanoes and glaciers. *Science*, 203(4381), 654–656.
- Lazzara, M., Jezek, K., Scambos, T., MacAyeal, D., & Van der Veen, C. (1999). On the recent calving of icebergs from the Ross Ice Shelf. *Polar Geography*, 23(3), 201–212.

- Lewandowska, H., & Teisseyre, R. (1964). Investigations of the ice microtremors on Spitsbergen in 1962. Biul Inf Komisji Wypraw Geof PAN, 37, 1–5.
- Liashchuk, O., Andryschenko, Y., & Kariagin, E. (2018). Seismoacoustic Monitoring Of The Cryosphere In The Vernadsky Station Region. In 12th International Conference on Monitoring of Geological Processes and Ecological Condition of the Environment.
- Lindner, F., Weemstra, C., Walter, F., & Hadziioannou, C. (2017). Monitoring the englacial fracture state using virtual-reflector seismology. In AGU Fall Meeting Abstracts.
- Lindner, F. [Fabian], Walter, F., Laske, G., & Gimbert, F. (2019). Glaciohydraulic seismic tremors on an Alpine glacier. *The Cryosphere Discussions*.
- Lipovsky, B., & Dunham, E. (2016). Tremor during ice-stream stick slip. *The Cryosphere*, 10(1), 385–399.
- Lipovsky, B. P. [Bradley Paul], Meyer, C. R. [Colin R.], Zoet, L. K., McCarthy, C., Hansen, D. D., Rempel, A. W., & Gimbert, F. (2019a). Glacier sliding, seismicity and sediment entrainment. *Annals of Glaciology*, 60(79), 182–192. doi:10.1017/aog.2019.24
- Lipovsky, B. P. [Bradley Paul], Meyer, C. R. [Colin R], Zoet, L. K., McCarthy, C., Hansen, D. D., Rempel, A. W., & Gimbert, F. (2019b). Glacier sliding, seismicity and sediment entrainment. Annals of Glaciology, 60(79), 182–192.
- Lombardi, D., Benoit, L., Camelbeeck, T., Martin, O., Meynard, C., & Thom, C. (2016). Bimodal pattern of seismicity detected at the ocean margin of an Antarctic ice shelf. *Geophysical Journal International*, 206(2), 1375–1381.
- Lombardi, D., Gorodetskaya, I., Barruol, G., & Camelbeeck, T. (2019). Thermally induced icequakes detected on blue ice areas of the East Antarctic ice sheet. *Annals of Glaciology*, 60(79), 45–56. doi:10.1017/aog.2019.26
- Lough, A., Wiens, D., Barcheck, C., & Nyblade, A. (2013). Waveform studies of strong cryoseismic sources near the top of the Antarctic ice sheet. In *AGU Fall Meeting Abstracts*.
- Lough, A. C. [Amanda C], Barcheck, C. G., Wiens, D. A., Nyblade, A., & Anandakrishnan, S. (2015). A previously unreported type of seismic source in the firn layer of the East Antarctic Ice Sheet. *Journal of Geophysical Research: Earth Surface*, 120(11), 2237–2252.
- Lüthi, M. P., & Vieli, A. (2016). Multi-method observation and analysis of a tsunami caused by glacier calving. *The Cryosphere*, 10(3), 995–1002.

- Lutz, F., Eccles, J., Prior, D., & Hulbe, C. (2019). Constraining ice anisotropy and temperature from active source borehole seismology in the Ross Ice Shelf. In *Geophysical Research Abstracts* (Vol. 21).
- MacAYEAL, D. R., Okal, E. A., Aster, R. C., & Bassis, J. N. (2009). Seismic observations of glaciogenic ocean waves (micro-tsunamis) on icebergs and ice shelves. *Journal of Glaciology*, 55(190), 193–206.
- MacAyeal, D. R. [Douglas R], Okal, E. A., Aster, R. C., Bassis, J. N., Brunt, K. M., Cathles, L. M. [L Mac], ... Martin, S., et al. (2006). Transoceanic wave propagation links iceberg calving margins of Antarctica with storms in tropics and Northern Hemisphere. Geophysical Research Letters, 33(17).
- MacAYEAL, D. R., Scambos, T. A., Hulbe, C. L., & Fahnestock, M. A. (2003). Catastrophic ice-shelf break-up by an ice-shelf-fragment-capsize mechanism. *Journal of Glaciology*, 49(164), 22–36.
- MacAyeal, D. R. [Douglas R], Wang, Y., & Okal, E. A. (2015). Ambient seismic, hydroacoustic, and flexural gravity wave noise on a tabular iceberg. *Journal of Geophysical Research: Earth Surface*, 120(2), 200–211.
- MacAyeal, D. (2018). Seismology gets under the skin of the Antarctic Ice Sheet. Geophysical Research Letters, 45(20), 11–173.
- Martin, S., Drucker, R., Aster, R., Davey, F., Okal, E., Scambos, T., & MacAyeal, D. (2010). Kinematic and seismic analysis of giant tabular iceberg breakup at Cape Adare, Antarctica. *Journal of Geophysical Research: Solid Earth*, 115(B6).
- Masaki, K. et al. (2015). Characteristic of seismic tremors with harmonic overtones in the Lützow-Holm Bay region, East Antarctica: 2014-2015.
- Masaki, K., Yoshiaki, I., Masayuki, Y., Kazunari, N., Genchi, T., Alessia, M., et al. (2011). Seismic Wave Interactions between the Atmosphere-Ocean-Cryosphere system and the Geosphere in Polar Regions.
- Matsumoto, H., Dziak, R. P., Haxel, J., Lau, T., Fowler, M., Bohnenstiehl, D. R., ... Lee, W.-S. (n.d.). Noisy icebergs from Antarctica and sound scope of the South Pacific Ocean.
- Mei, M. J., Holland, D. M., Anandakrishnan, S., & Zheng, T. (2016). A two-station seismic method to localize glacier calving. *Cryosphere Discuss*, 1–15.
- Métaxian, J.-P., Araujo, S., Mora, M., & Lesage, P. (2003). Seismicity related to the glacier of Cotopaxi Volcano, Ecuador. *Geophysical Research Letters*, 30(9).

- Minowa, M., Podolskiy, E. A. [Evgeny A.], & Sugiyama, S. (2019a). Tide-modulated ice motion and seismicity of a floating glacier tongue in East Antarctica. *Annals of Glaciology*, 60(79), 57–67. doi:10.1017/aog.2019.
- Minowa, M., Podolskiy, E. A. [Evgeny A], & Sugiyama, S. (2019b). Tide-modulated ice motion and seismicity of a floating glacier tongue in East Antarctica. *Annals of Glaciology*, 60(79), 57–67.
- Montgomery, L. N., Schmerr, N., Burdick, S., Forster, R. R., Koenig, L., Legchenko, A., ... Solomon, D. K. (2017). Investigation of firn aquifer structure in southeastern Greenland using active source seismology. *Frontiers in Earth Science*, 5, 10.
- Moore, P. L., Winberry, J. P., Iverson, N. R., Christianson, K. A., Anandakrishnan, S., Jackson, M., ... Cohen, D. (2013). Glacier slip and seismicity induced by surface melt. *Geology*, 41(12), 1247–1250.
- Mordret, A., Mikesell, T. D., Harig, C., Lipovsky, B. P., & Prieto, G. A. (2016). Monitoring southwest Greenland's ice sheet melt with ambient seismic noise. *Science advances*, 2(5), e1501538.
- Morgan, P., Walter, J., Peng, Z., Amundson, J., & Meng, X. (2013). Mendenhall Glacier (Juneau, Alaska) icequake seismicity and its relationship to the 2012 outburst flood and other environmental forcing. In *AGU Fall Meeting Abstracts*.
- Müller, C., Schlindwein, V., Eckstaller, A., & Miller, H. (2005). Singing Icebergs. *Science*, 310(5752), 1299–1299. doi:10.1126/science.1117145
- Murray, T., Nettles, M., Selmes, N., Cathles, L., Burton, J., James, T., ... Aspey, R., et al. (2015). Reverse glacier motion during iceberg calving and the cause of glacial earthquakes. *Science*, 349(6245), 305–308.
- Nanni, U., Gimbert, F., Vincent, C., Walter, F., Piard, L., Moreau, L., & Graeff, D. (2019). From diurnal to seasonal dynamics of the subglacial hydrology revealed by cryoseismology. In *Geophysical Research Abstracts* (Vol. 21).
- Neave, K., & Savage, J. (1970). Icequakes on the Athabasca glacier. *Journal of Geophysical Research*, 75(8), 1351–1362.
- Nettles, M., & Ekström, G. (2010). Glacial Earthquakes in Greenland and Antarctica. Annual Review of Earth and Planetary Sciences, 38(1), 467–491. doi:10.1146/annurev-earth-040809-152414
- Nishio, F. et al. (1983). Studies on thermally induced fractures and snowquakes of polar snow cover.

- Nolan, M., & Echelmeyer, K. (1999). Seismic detection of transient changes beneath Black Rapids Glacier, Alaska, USA: I. Techniques and observations. *Journal of Glaciology*, 45(149), 119–131.
- Norman, E., Rosser, N., Szczucinski, W., Dunning, S., Long, A., Strzelecki, M., ... Benjamin, J. (2013). Seismic signatures of iceberg failure, collapse and rolls. In AGU Fall Meeting Abstracts.
- O'Neel, S., Larsen, C. F., Rupert, N., & Hansen, R. (2010). Iceberg calving as a primary source of regional-scale glacier-generated seismicity in the St. Elias Mountains, Alaska. *Journal of Geophysical Research: Earth Surface*, 115(F4).
- O'Neel, S., & Pfeffer, W. (2007). Source mechanics for monochromatic icequakes produced during iceberg calving at Columbia Glacier, AK. *Geophysical Research Letters*, 34(22).
- O'Neill, H. B., & Christiansen, H. H. (2018). Detection of ice wedge cracking in permafrost using miniature accelerometers. *Journal of Geophysical Research: Earth Surface*, 123(4), 642–657.
- Okal, E. A., & MacAyeal, D. R. [Douglas R]. (2006). Seismic recording on drifting icebergs: Catching seismic waves, tsunamis and storms from Sumatra and elsewhere. Seismological Research Letters, 77(6), 659–671.
- Olinger, S., Lipovsky, B., Wiens, D., Aster, R., Bromirski, P., Chen, Z., ... Stephen, R. (2019). Tidal and thermal stresses drive seismicity along a major Ross Ice Shelf rift. *Geophysical Research Letters*, 46(12), 6644–6652.
- Olsen, K. G., & Nettles, M. (2019). Constraints on Terminus Dynamics at Greenland Glaciers From Small Glacial Earthquakes. *Journal of Geophysical Research: Earth Surface*, 124(7), 1899–1918.
- Osten-Woldenburg, H. V. D. (1990). Icequakes On Ekström Ice Shelf Near Atka Bay, Antarctica. *Journal of Glaciology*, 36(122), 31–36. doi:10. 3189/S0022143000005517
- Otero, J., Navarro, F. J., Martin, C., Cuadrado, M. L., & Corcuera, M. I. (2010). A three-dimensional calving model: numerical experiments on Johnsons Glacier, Livingston Island, Antarctica. *Journal of Glaciology*, 56(196), 200–214.
- Paul Winberry, J., Anandakrishnan, S., Wiens, D. A., & Alley, R. B. (2013). Nucleation and seismic tremor associated with the glacial earthquakes of Whillans Ice Stream, Antarctica. *Geophysical Research Letters*, 40(2), 312–315.

- Peng, Z., Walter, J. I., Aster, R. C., Nyblade, A., Wiens, D. A., & Anandakrishnan, S. (2014). Antarctic icequakes triggered by the 2010 Maule earthquake in Chile. *Nature Geoscience*, 7(9), 677.
- Peters, L., Anandakrishnan, S., Alley, R. B., & Voigt, D. E. (2012). Seismic attenuation in glacial ice: A proxy for englacial temperature. *Journal of Geophysical Research: Earth Surface*, 117(F2).
- Podolskiy, E. A. [Evgeny A], Fujita, K., Sunako, S., Tsushima, A., & Kayastha, R. B. (2018). Nocturnal thermal fracturing of a Himalayan debriscovered glacier revealed by ambient seismic noise. *Geophysical Research Letters*, 45(18), 9699–9709.
- Podolskiy, E. A. [Evgeny A], Sugiyama, S., Funk, M., Walter, F., Genco, R., Tsutaki, S., ... Ripepe, M. (2016). Tide-modulated ice flow variations drive seismicity near the calving front of Bowdoin Glacier, Greenland. *Geophysical research letters*, 43(5), 2036–2044.
- Pomeroy, J., Brisbourne, A., Evans, J., & Graham, D. (2013). The search for seismic signatures of movement at the glacier bed in a polythermal valley glacier. *Annals of Glaciology*, 54(64), 149–156.
- Pratt, M. J., Wiens, D. A., Winberry, J. P., Anandakrishnan, S., & Euler, G. G. (2017). Implications of sea ice on Southern Ocean microseisms detected by a seismic array in West Antarctica. *Geophysical Journal International*, 209(1), 492–507.
- Pratt, M. J., Winberry, J. P., Wiens, D. A., Anandakrishnan, S., & Alley, R. B. (2014). Seismic and geodetic evidence for grounding-line control of Whillans Ice Stream stick-slip events. *Journal of Geophysical Research:* Earth Surface, 119(2), 333–348.
- Preiswerk, L. E. (2018). Monitoring and Structural Studies with Glacier Seismology (Doctoral dissertation, ETH Zurich).
- Preiswerk, L. E., Michel, C., Walter, F., & Fäh, D. (2019). Effects of geometry on the seismic wavefield of Alpine glaciers. *Annals of Glaciology*, 60(79), 112–124.
- Preiswerk, L. E., & Walter, F. [Fabian]. (2018). High-Frequency (> 2 Hz) Ambient Seismic Noise on High-Melt Glaciers: Green's Function Estimation and Source Characterization. *Journal of Geophysical Research: Earth Surface*, 123(8), 1667–1681.
- Qamar, A. (1988). Calving icebergs: A source of low-frequency seismic signals from Columbia Glacier, Alaska. *Journal of Geophysical Research: Solid Earth*, 93(B6), 6615–6623. doi:10.1029/JB093iB06p06615

- Qamar, A., & Lawrence, W. F. S. (1983). An investigation of icequakes on the Greenland icesheet near Jakobshavn icestream. University of Colorado, World Data Center A for Glaciology.
- Raimondi, F., Comon, P., Michel, O., Sahnoun, S., & Helmstetter, A. (2016). Tensor decomposition exploiting diversity of propagation velocities: Application to localization of icequake events. *Signal Processing*, 118, 75–88.
- Rial, J., Tang, C., & Steffen, K. (2009). Glacial rumblings from Jakobshavn ice stream, Greenland. *Journal of Glaciology*, 55(191), 389–399.
- Richardson, J. P., Waite, G. P., FitzGerald, K. A., & Pennington, W. D. (2010). Characteristics of seismic and acoustic signals produced by calving, Bering Glacier, Alaska. *Geophysical Research Letters*, 37(3).
- Roeoesli, C., Helmstetter, A. [Agnes], Walter, F., & Kissling, E. (2016). Meltwater influences on deep stick-slip icequakes near the base of the Greenland Ice Sheet. *Journal of Geophysical Research: Earth Surface*, 121(2), 223–240.
- Roeoesli, C., Walter, F. [Fabian], Ampuero, J.-P., & Kissling, E. (2016). Seismic moulin tremor. *Journal of Geophysical Research: Solid Earth*, 121(8), 5838–5858.
- Roethlisberger, H. (1972). SEISMIC EXPLORATION IN COLD REGIONS.
- Rogers, G. C. (1976). A microearthquake survey in northwest British Columbia and southeast Alaska. *Bulletin of the Seismological Society of America*, 66(5), 1643–1655.
- Röösli, C., Walter, F., Husen, S., Andrews, L. C., Lüthi, M. P., Catania, G. A., & Kissling, E. (2014). Sustained seismic tremors and icequakes detected in the ablation zone of the Greenland ice sheet. *Journal of Glaciology*, 60(221), 563–575.
- Röthlisberg, H. (1955). Studies in Glacier Physics on the Penny Ice Cap, Baffin Island, 1953: Part III: Seismic Sounding. *Journal of Glaciology*, 2(18), 539–552. doi:10.3189/002214355793702064
- Roux, P.-F., Walter, F., Riesen, P., Sugiyama, S., & Funk, M. (2010). Observation of surface seismic activity changes of an Alpine glacier during a glacier-dammed lake outburst. *Journal of Geophysical Research: Earth Surface*, 115(F3).
- Roux, P., Gimbert, F., Nanni, U., Helmstetter, A., Urruty, B., Garambois, S., ... Langlais, M. (2019). Using dense array seismology to observe glacier dynamics: the RESOLVE-Argentière project. In *Geophysical Research Abstracts* (Vol. 21).

- Roux, P.-F. [Pierre-François], Marsan, D., Métaxian, J.-P., O'Brien, G., & Moreau, L. (2008). Microseismic activity within a serac zone in an alpine glacier (Glacier d'Argentiere, Mont Blanc, France). *Journal of Glaciology*, 54(184), 157–168.
- Ruzhich, V., Psakhie, S. G., Chernykh, E., Bornyakov, S., & Granin, N. (2009). Deformation and seismic effects in the ice cover of Lake Baikal. Russian Geology and Geophysics, 50(3), 214–221.
- Schoonman, C., Christoffersen, P., Hofstede, C., Young, T. J., Pettersson, R., McCallum, A., ... Hubbard, B. (2019). Investigating hydrological forcing of fast glacier flow in Greenland using passive seismology. In *Geophysical Research Abstracts* (Vol. 21).
- Seiji, T., Takeshi, N., Takayuki, M., et al. (2015). May 30, 2015 Bonin Islands, Japan deep earthquake (Mw7. 8) recorded by broadband seismographic station on Greenland ice sheet.
- Sénéchal, G., Rousset, D., Salomé, A.-L., & Grasso, J.-R. (2003). Georadar and seismic investigations over the glacier de la Girose (French Alps). Near Surface Geophysics, 1(1), 5–12.
- Sergeant, A., Mangeney, A., Stutzmann, E., Montagner, J.-P., Walter, F., Moretti, L., & Castelnau, O. (2016). Complex force history of a calving-generated glacial earthquake derived from broadband seismic inversion. *Geophysical Research Letters*, 43(3), 1055–1065.
- Sergeant, A., Yastrebov, V. A., Mangeney, A., Castelnau, O., Montagner, J.-P., & Stutzmann, E. (2018). Numerical modeling of iceberg capsizing responsible for glacial earthquakes. *Journal of Geophysical Research:* Earth Surface, 123(11), 3013–3033.
- Sinadinovski, C., Muirhead, K., Leonard, M., Spiliopoulos, S., & Jepsen, D. (1999). Effective discrimination of icequakes on seismic records from Mawson station. *Physics of the earth and planetary interiors*, 113(1-4), 203–211.
- Smith, A. (2006). Microearthquakes and subglacial conditions. *Geophysical Research Letters*, 33(24).
- Smith, E., Smith, A., White, R., & Brisbourne, A. (2013). Icequakes! Microseismic'; Sticky Spots' in Rutford Ice Stream, West Antarctica. In *AGU Fall Meeting Abstracts*.
- Smith, E., Smith, A., White, R., Brisbourne, A., & Pritchard, H. (2015). Mapping the ice-bed interface characteristics of Rutford Ice Stream, West Antarctica, using microseismicity. *Journal of Geophysical Research:* Earth Surface, 120(9), 1881–1894.

- Smith, K., Mikesell, T., van Wijk, K., Walter, F., & Bradford, J. (2010). Capturing fracture propagation in a glacier using passive seismology. In *AGU Fall Meeting Abstracts*.
- Storchak, D. A., Kanao, M., Delahaye, E., & Harris, J. (2015). Long-term accumulation and improvements in seismic event data for the polar regions by the International Seismological Centre. *Polar Science*, 9(1), 5–16.
- Stuart, G., Murray, T., Brisbourne, A., Styles, P., & Toon, S. (2005). Seismic emissions from a surging glacier: Bakaninbreen, Svalbard. *Annals of Glaciology*, 42, 151–157.
- Stutzmann, E., Schimmel, M., Patau, G., & Maggi, A. (2009). Global climate imprint on seismic noise. *Geochemistry, Geophysics, Geosystems*, 10(11).
- Taylor-Offord, S., Horgan, H., Townend, J., & Winberry, J. P. (2019). Seismic observations of crevasse growth following rain-induced glacier acceleration, Haupapa/Tasman Glacier, New Zealand. Annals of Glaciology, 60(79), 14–22. doi:10.1017/aog.2019.20
- Teisseyre, K. P., Górski, M., & Suchcicki, J. (2004). Seismic events and rotation waves in the Hans Glacier, Spitsbergen, and the Pasterze Glacier, Austria. *Acta Geophys. Pol*, 52(4), 465–476.
- Thelen, W. A., Allstadt, K., De Angelis, S., Malone, S. D., Moran, S. C., & Vidale, J. (2013). Shallow repeating seismic events under an alpine glacier at Mount Rainier, Washington, USA. *Journal of Glaciology*, 59(214), 345–356.
- Toyokuni, G., Takenaka, H., Kanao, M., Tsuboi, S., & Tono, Y. (2015). Numerical modeling of seismic waves for estimating the influence of the Greenland ice sheet on observed seismograms. *Polar Science*, 9(1), 80–93.
- Tsai, V. C., & Ekström, G. (2007). Analysis of glacial earthquakes. *Journal of Geophysical Research: Earth Surface*, 112(F3).
- Tsai, V. C., & McNamara, D. E. (2011). Quantifying the influence of sea ice on ocean microseism using observations from the Bering Sea, Alaska. *Geophysical Research Letters*, 38(22).
- Tsai, V. C., Rice, J. R., & Fahnestock, M. (2008). Possible mechanisms for glacial earthquakes. *Journal of Geophysical Research: Earth Surface*, 113(F3).
- VanWormer, D., & Berg, E. (1973). Seismic Evidence for Glacier Motion. *Journal of Glaciology*, 12(65), 259–265. doi:10.3189/S002214300003207X

- Veitch, S. A., & Nettles, M. (2012). Spatial and temporal variations in Greenland glacial-earthquake activity, 1993–2010. *Journal of Geophysical Research: Earth Surface*, 117(F4).
- Veitch, S. A., & Nettles, M. (2017). Assessment of glacial-earthquake source parameters. *Journal of Glaciology*, 63(241), 867–876.
- Vilajosana, I., Surinach, E., Khazaradze, G., & Gauer, P. (2007). Snow avalanche energy estimation from seismic signal analysis. *Cold Regions Science and Technology*, 50(1-3), 72–85.
- Vore, M. E., Bartholomaus, T. C., Winberry, J. P., Walter, J. I., & Amundson, J. M. (2019). Seismic tremor reveals spatial organization and temporal changes of subglacial water system. *Journal of Geophysical Research:* Earth Surface, 124(2), 427–446.
- Walter, F. [Fabian], Amundson, J. M., O'Neel, S., Truffer, M., Fahnestock, M., & Fricker, H. A. (2012). Analysis of low-frequency seismic signals generated during a multiple-iceberg calving event at Jakobshavn Isbræ, Greenland. Journal of Geophysical Research: Earth Surface, 117(F1).
- Walter, F. [Fabian], Dalban Canassy, P., Husen, S., & Clinton, J. F. (2013). Deep icequakes: What happens at the base of Alpine glaciers? *Journal of Geophysical Research: Earth Surface*, 118(3), 1720–1728. doi:10.1002/jgrf.20124
- Walter, F. [Fabian], Deichmann, N., & Funk, M. (2008). Basal icequakes during changing subglacial water pressures beneath Gornergletscher, Switzerland. *Journal of Glaciology*, 54(186), 511–521.
- Walter, F. [Fabian], Gräff, D., Lindner, F., Paitz, P., Köpfli, M., Chmiel, M., & Fichtner, A. (2020). Distributed Acoustic Sensing of Microseismic Sources and Wave Propagation in Glaciated Terrain.
- Walter, F. [Fabian], O'Neel, S., McNamara, D., Pfeffer, W., Bassis, J. N., & Fricker, H. A. (2010). Iceberg calving during transition from grounded to floating ice: Columbia Glacier, Alaska. *Geophysical Research Letters*, 37(15).
- Walter, F. [Fabian], Röösli, C., & Kissling, E. (2017). The Microseismicity of Glacier Sliding. In EGU General Assembly Conference Abstracts (Vol. 19, p. 5191).
- Walter, F. [FT], Heeszel, D., Kilb, D., Roux, P., Husen, S., Kissling, E., ... Fricker, H. (2013). Water-related seismic sources in glaciers and ice sheets. In *AGU Fall Meeting Abstracts*.

- Walter, J. I. [Jacob I], Peng, Z., & Hansen, S. (2017). Repeating ice-earthquakes beneath David Glacier from the 2012-2015 TAMNNET array. In AGU Fall Meeting Abstracts.
- Walter, J., Amundson, J., Peng, Z., Prejean, S., & Morgan, P. (2013). The seismic signature of glacier outburst floods. In *AGU Fall Meeting Abstracts*.
- Weaver, C. S., & Malone, S. D. [Stephen D]. (1976). Mt. Saint Helens seismic events: Volcanic earthquakes or glacial noises? *Geophysical Research Letters*, 3(3), 197–200.
- Weaver, C. S., & Malone, S. D. [Stephen D]. (1979). Seismic evidence for discrete glacier motion at the rock—ice interface. *Journal of Glaciology*, 23(89), 171–184.
- West, M. E., Larsen, C. F., Truffer, M., O'Neel, S., & LeBlanc, L. (2010). Glacier microseismicity. *Geology*, 38(4), 319–322. doi:10.1130/G30606.1
- Wiens, D. A., Anandakrishnan, S., Winberry, J. P., & King, M. A. (2008). Simultaneous teleseismic and geodetic observations of the stick-slip motion of an Antarctic ice stream. *Nature*, 453(7196), 770.
- Winberry, J. P., Anandakrishnan, S., Alley, R. B., Bindschadler, R. A., & King, M. A. (2009). Basal mechanics of ice streams: Insights from the stick-slip motion of Whillans Ice Stream, West Antarctica. *Journal of Geophysical Research: Earth Surface*, 114(F1).
- Winberry, J. P., Anandakrishnan, S., Wiens, D. A., Alley, R. B., & Christianson, K. (2011). Dynamics of stick—slip motion, Whillans Ice Stream, Antarctica. *Earth and Planetary Science Letters*, 305(3-4), 283–289.
- Winberry, J. P., Huerta, A. D., Anandakrishnan, S., Aster, R. C., Nyblade, A. A., & Wiens, D. A. (2020). Glacial Earthquakes and Precursory Seismicity Associated With Thwaites Glacier Calving. Geophysical Research Letters, 47(3), e2019GL086178.
- Wolf, L. W., & Davies, J. N. (1986). Glacier-generated earthquakes from Prince William Sound, Alaska. *Bulletin of the Seismological Society of America*, 76(2), 367–379.
- Zhan, Z. (2019). Seismic noise interferometry reveals transverse drainage configuration beneath the surging Bering Glacier. *Geophysical Research Letters*, 46(9), 4747–4756.
- Zoet, L. K., Anandakrishnan, S., Alley, R. B., Nyblade, A. A., & Wiens, D. A. (2012). Motion of an Antarctic glacier by repeated tidally modulated earthquakes. *Nature Geoscience*, 5(9), 623.
- Zoet, L., Anandakrishnan, S., & Alley, R. (2013). Calving events near the terminus of Thwaites Glacier, Antarctica. In AGU Fall Meeting Abstracts.