

Literature used for Bachelorthesis and Poster „Microadventure in the Arctic Ocean“

(highlighted in yellow)

- Adakudlu, M., Barstad, I. (2011). Impacts of the ice-cover and sea-surface temperature on a polar low over the Nordic seas: a numerical case study. *Quarterly Journal of the Royal Meteorological Society* 137(660), 1716-1730.
- Allaart, L., Müller, J., Schomacker, A., Rydningen, T.A., Håkansson, L., Kjellman, S.E., Mollenhauer, G., Forwick, M. (2020). Late Quaternary glacier and sea-ice history of northern Wijdefjorden, Svalbard. *Boreas* 49(3), 417-437.
- Amélineau, F., Fort, J., Mathewson, P.D., Speirs, D.C., Courbin, N., Perret, S., Porter, W.P., Wilson, R.J., Grémillet, D. (2018). Energyscapes and prey fields shape a North Atlantic seabird wintering hotspot under climate change. *Royal Society Open Science* 5, 171883.
- Anand, P., Elderfield, H., & Conte, M. H. (2003). Calibration of Mg/Ca thermometry in planktonic foraminifera from a sediment trap time series. *Paleoceanography*, 18(2), 1050.
- Årthun, M., Brakstad, A., Dörr, J., Johnson, H., Mans, C., Semper, S., Våge K. (2025). Atlantification drives recent strengthening of the Arctic overturning circulation. *Science Advances* 11(28), eadu1794.
- Baczewska, A., Blachowiak-Samolyk, K., Angel, M.V. (2012). Distribution of pelagic Ostracoda (Crustacea) inhabiting the waters around Svalbard (Arctic Ocean: 76°36-81°50). *Hydrobiologia*, 688, 75-92.
- Baeten, N.J., Forwick, M., Vogt, C., Vorren, T.O. (2010). Late Weichselian and Holocene sedimentary environments and glacial activity in Billefjorden, Svalbard. *Geological Society London, Special Publications* 344, 207–223.
- Barker, S., Greaves, M., Elderfield, H. (2003). A study of cleaning procedures used for foraminiferal Mg/Ca paleothermometry. *Geochemistry, Geophysics, Geosystems*, 4(9), 8407-8426.
- Barrientos, N., Lear, C., Jakobsson, Stranne, C., O Regan, Cronin, T.M, Gukov, A.Y., Coxall, H.K. (2018). Arctic Ocean benthic foraminifera Mg/Ca ratios and global Mg/Ca-temperature calibrations: New constraints at low temperatures. *Geochimica et Cosmochimica Acta*, 236, 240-259.
- Bartels, M., Titschack, J., Fahl, K., Stein, R., Hebbeln, D. (2018). Wahlenbergfjord, eastern Svalbard: a glacier-surrounded fjord reflecting regional hydrographic variability during the Holocene? *Boreas* 47, 1003–1021.
- Batchelor, C.L., Dowdeswell, J.A., Hogan, K. A. (2011). Late Quaternary ice flow and sediment delivery through Hinlopen Trough, Northern Svalbard margin: Submarine landforms and depositional fan. *Marine Geology* 284(1-4), 13–27.
- Bauch, H. A., Erlenkeuser, H., Spielhagen, R. F., Weinelt, M.S., Andruleit, H., Henrich. R.. (1999). Evidence for a steeper Eemian than Holocene sea surface temperature gradient between Arctic and sub-Arctic regions. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 145(1-3), 95-117.
- Belanger, P.E. & Streeter, S.S. (1980). Distribution and ecology of benthic foraminifera in the Norwegian-Greenland Sea. *Marine Micropaleontology*, 5, 401-428.
- Berger, A. (1978), Long-term variations of caloric insolation resulting from the Earth's orbital elements. *Quaternary Research*, 9(2) 139-167.

- Bernstein, B.B., Hessler, R., Smith, R. & Jumars, P. (1978): Spatial dispersion of benthic foraminifera in the abyssal central North Pacific. *Limnology and Oceanography*, 23(3) 401-416.
- Birgel, D. & Hass, H.C. (2004). Oceanic and atmospheric variations during the last deglaciation in the Fram Strait (Arctic Ocean): a coupled high-resolution organic-geochemical and sedimentological study. *Quaternary Science Reviews*, 23(1-2), 29-47.
- Birks, C. J. A., and N. Koc, (2002), A high-resolution diatom record of late-Quaternary sea-surface temperatures and oceanographic conditions from the eastern Norwegian Sea, *Boreas*, 31, 323 – 344.
- Boomer, I. and Eisenhauer, G. (2002). Ostracod Faunas as Palaeoenvironmental Indicators in Marginal Marine Environments. *Geophysical Monograph Series*, 131.
- Boomer, I., Horne, D.J., Slipper, I.J. (2003). The Use of Ostracods in Palaeoenvironmental Studies, or What can you do with an Ostracod Shell? *The Paleontological Society Papers* 9, 153-180.
- Breman, B. (1975) The Distribution of Ostracods in the Bottom Sediments of the Adriatic Sea. *Krips Repro, Meppel*, 50-165.
- Cage, A.G., Pienkowski, A.J., Jennings, A., Knudsen, K.L., Seidenkrantz, M. (2021). Comparative analysis of six common foraminiferal species of the genera *Cassidulina*, *Paracassidulina* and *Islandiella* from the Arctic-North Atlantic domain. *Journal of Micropalaeontology*, 40(1), 37–60.
- Chao, A., Shen, T.J. (2003). Nonparametric estimation of Shannon's index of diversity when there are unseen species in sample. *Environmental and Ecological Statistics*, 10, 429-443.
- Chatterjee, D. & Ghosh, A. (2023). Distribution of recent Benthic foraminifera in Kongsfjorden and Krossfjorden; North-West Svalbard, High Arctic. *Journal of the Palaeontological Society of India*, 68(1), 99-115.
- Cohen, J., Screen, J.A., Furtado, J.C., Barlow, M., Whittleston, D., Coumou, D., Francis, J., Dethloff, K., Entekhabi, D., Overland, J., Jones, J. (2014). Recent arctic amplification and extreme mid-latitude weather. *Nature Geoscience* 7, (9), 627-637.
- Coles, G. P., Whatley, R. C., & Mokuilevsky, A. (1994). The ostracod genus *Krithe* from the Tertiary and Quaternary of the North Atlantic. *Palaeontology*, 37(3), 71-120.
- Consolaro, C., Rasmussen, T.L., Panieri, G. (2018). Palaeoceanographic and environmental changes in the eastern Fram Strait during the last 14,000 years based on benthic and planktonic foraminifera. *Marine Micropaleontology*, 139, 84-101.
- Corlis, B.H. & Chen, C. (1988): Morphotype patterns of Norwegian Sea deep-sea benthic foraminifera and ecological implications. *Geology*, 16(8), 716-719.
- Cronin, T.M. (1981). Paleoclimate implications of late Pleistocene marine ostracods from the St. Lawrence Lowlands. *Micropaleontology* 27, 384-418.
- Cronin, T.M., Whatley, R., Wood, A., Tsukagoshi, A., Ikeya, N., Brouwers, E.M., Briggs, Jr W.M. (1993). Microfaunal evidence for elevated Pliocene temperatures in the Arctic Ocean. *Paleoceanography*, 8(2), 161-173.

- Cronin, T.M., Holtz, T.R., Whatley, R.C. (1994). Quaternary Paleoceanography of the deep Arctic-Ocean based on quantitative-analysis of Ostracoda. *Marine Geology*, 119(3-4), 305-332.
- Cronin, T.M., Holtz, T.R., Stein, R., Spielhagen, R., Futterer, D., Wollenburg, J. (1995). Late Quaternary paleoceanography of the Eurasian Basin, Arctic-Ocean. *Paleoceanography*, 10(2), 259-281.
- Cronin, Thomas M (1996). Pliocene (3.2 – 2.4 Ma) ostracode faunal cycles and deep ocean circulation, North Atlantic Ocean. *Geology*, 24(8), 695-698.
- Cronin, T.M., DeMartino, D.M., Dwyer, G.S., Rodriguez-Lazaro, J. (1999). Deep-sea ostracode species diversity: response to late Quaternary climate change. *Marine Micropaleontology*, 37(3-4), 231-249.
- Cronin, T.M., Gemery, L., Briggs, W.M. Jr., Jakobsson, M., Polyak, L., Brouwers, E.M. (2010). Quaternary sea-ice history in the Arctic Ocean based on a new ostracode sea-ice proxy. *Quaternary Science Reviews* 29(25-26), 3415–3429.
- Cronin, T.M., Gemery, L., Brouwers, E.M., Briggs, W.M., Wood, Jr A., Stepanova, E.I., Schornikov, E.I., Farmer, J., Smith, K.E.S (2010). Modern arctic ostracode database. IGBP PAGES/WDCA Contribution Series Number: 2010-081.
- Cronin, T.M., Polyak, L., Reed, D., Kandiano, E.S., Marzen, R.E., Council, E.A. (2013). A 600-ka Arctic sea-ice record from Mendelev Ridge based on ostracodes. *Quaternary Science Reviews*, 79, 157-167.
- Cronin, T.M., Keller, K.J., Farmer, J.R., Schaller, M.F., O'Regan, M., Poirier, R., Coxall, H., Dwyer, G.S., Bauch, H., Kindstedt, I.G., Jakobsson, M., Marzen, R., Santin, E. (2019). Interglacial Paleoclimate in the Arctic. *Paleoceanography and Paleoclimatology* 34(12), 3612–3625.
- Cronin, T.M., Gemery, L., Olds, B.M., Regnier, A., Poirier, R., Sui, S. (2022). Abrupt Quaternary ocean–ice events in the Arctic: Evidence from the ostracode *Rabulimys*. *Micropaleontology*, 68(3), 233–242.
- Dallmann, W.K. (2015). *Geoscience Atlas of Svalbard*, 148. Norsk Polarinstitute, Tromsø, 1-292.
- DeDecker, P., Geurts, M.A., Julia, R. (1979). Seasonal rhythmites from a lower Pleistocene lake in Northeastern Spain. *Palaeogeography Paleoclimatology Palaeoecology*, 26, 43-71.
- DeNinno, L.H., Cronin, T.M., Rodriguez-Lazarano, J., Brenner, A. (2015). An early to mid-Pleistocene deep Arctic Ocean ostracode fauna with North Atlantic affinities. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 419, 90-99.
- Didie, C. & Bauch, H.A. (2000). Species composition and glacial-interglacial variations in the ostracode fauna of the northeast Atlantic during the past 200,000 years. *Marine Micropaleontology*, 40(1), 105-129.
- Didie, C., Bauch, H.A., Helmke, J.P. (2002). Late Quaternary deep-sea ostracodes in the polar and subpolar North Atlantik: paleoecological and paleoenvironmental implications. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 184, 195-212.
- Dingle, R.V., & Lord, A.R. (1990). Benthic ostracods and deep-water mass circulation in the Atlantic Ocean. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 80(3–4), 213–235.
- Dowdeswell, J.A., Ottesen, D., Bellec, V.K., (2019). The changing extent of marine-terminating glaciers and ice caps in northeastern Svalbard since the ‘Little Ice Age’ from marine-geophysical records. *The Holocene* 30(3), 389–401.

- Duplessy, J.C., Moyes, J., Pujol, C. (1980). Deep-water formation in the North-Atlantic Ocean during the last ice-age. *Nature*, 286(5772), 479-482.
- Duplessy, J.C., Bard, E., Labeyrie, L., Duprat, J., Moyes, J. (1993). Oxygen Isotope Records and Salinity Changes in the Northeastern Atlantic Ocean during the Last 18,000 Years. *Paleoceanography*, 1993, 8 (3), pp.341-350.
- Duplessy, J.C. (1999). Oceanography – Climate and the Gulf Stream. *Nature*, 402(6762), 593.
- Duplessy, J.C., Cortijo, E., Ivanova, E., Khusid, T., Labeyrie, L., Levitan, M., Murdmaa, I., Paterne, M. (2005). Paleooceanography of the Barents Sea during the Holocene. *Paleoceanography*, 20(4), PA4004.
- Eiriksson, J., Kndusen, K.L., Hafliðason, H., Heinmeier, J. (2000). Chronology of late Holocene climatic events in the northern North Atlantic based on AMS ^{14}C dates and tephra markers from the volcano Hekla, Iceland. *Journal of Quaternary Science*, 15(6), 573-580.
- Elderfield, H., & Ganssen, G. (2000). Past temperature and $\delta^{18}\text{O}$ of surface ocean waters inferred from foraminiferal Mg/Ca ratios. *Nature*, 405, 442–445.
- Elofson, O. (1941). Zur Kenntnis der marinen Ostracoden Schwedens mit besonderer Berücksichtigung des Skageraks. *Zoologiska Bidrag från Uppsala*, 19, 215–534.
- Elverhøi, A., Lønne, Ø., Seland, R. (1983). Glaciomarine sedimentation in a modern fjord environment, Spitsbergen, *Polar Research*, 1(2), 127-149.
- Evans, D., & Müller, W. (2012). Deep time foraminifera Mg/Ca paleothermometry: Nonlinear correction for secular change in seawater Mg/Ca. *Paleoceanography and Paleoclimatology*, 27(4), PA4205.
- Farnsworth, W.R., Allaart, L., Ingólfsson, Ó., Alexanderson, H., Forwick, M., Noormets, R., Retelle, M., Schomacker, A. (2020). Holocene glacial history of Svalbard: Status, perspectives and challenges. *Earth-Science Reviews*, 208, 103249.
- Fer, I., Peterson, A.K., Nilsen, F. (2023). Atlantic Water boundary current along the southern Yermak Plateau. *Journal of Geophysical Research: Oceans*, 128(6), e2023JC019645.
- Fernandez-Mendez, M., Olsen, L.M., Kauko, H.M., Meyer, A., Rösel, A., Merkouriadi, I., Mundy, C.J., Ehn, J.K., Johansson, A.M., Wagner, P.M., Ervik, A., Sorell, B.K., Duarte, P., Wold, A., Hop, H., Assmy, P. (2018). Algal Hot Spots in a Changing Arctic Ocean: Sea-Ice Ridges and the Snow-Ice Interface. *Frontiers in Marine Science*, 5, 75.
- Feyling-Hansen, R.W., Jørgensen, J.A., Knudsen, K.L. & Andersen, A.-L. L. (1971): Late Quaternary foraminifera from Vendsyssel, Denmark and Sandnes, Norway. *Bulletin of the Geological Society of Denmark*, 21, 67-317.
- Fjeldskaar, W., Bondevik, S., Amantov, A. (2018). Glaciers on Svalbard survived the Holocene thermal optimum. *Quaternary Science Reviews* 199, 18–29.
- Flink, A., Noormets, R., Franser, O., Hogan, K.A., Regan, M., Jakobsson, M (2017). Past ice flow in Wahlenbergfjorden and its implications for late Quaternary ice sheet dynamics in northeastern Svalbard. *Quarterback Science Reviews*, 163, 162-179.

- Fontanier, C., Mackensen, A., Jorissen, F. J., Anschutz, P., Licari, L., & Griveaud, C. (2006). Stable oxygen and carbon isotopes of live benthic foraminifera from the Bay of Biscay: Microhabitat impact and seasonal variability. *Marine Micropaleontology*, 58, (3)159–183.
- Forman, S. L. et al. (2004). A review of postglacial emergence on Svalbard, Franz Josef Land and Novaya Zemlya, northern Eurasia. *Quaternary Science Reviews*, 23(11-13), 1391-1434.
- Forwick, M., & Vorren, T.O. (2009). Late Weichselian and Holocene sedimentary environments and ice rafting in Isfjorden, Spitsbergen. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 280, 258–274.
- Forwick, M., & Vorren, T. O. (2010a). Stratigraphy and deglaciation of the Isfjorden area, Spitsbergen. *Norwegian Journal of Geology*, 90(4), 163-179.
- Forwick, M., Vorren, T.O., Hald, M., Korsun, S., Roh, Y., Vogt, C., Yoo, K.-C., (2010b). Spatial and temporal influence of glaciers and rivers on the sedimentary environment in Sassenfjorden and Tempelfjorden, Spitsbergen. *Geological Society London, Special Publications* 344, 163–193.
- Fossheim, M., Primicerio, R., Johannesen, E., Ingvaldsen, R.B., Aschan, M., Dolgov, A.V. (2015). Recent warming leads to a rapid borealization of fish communities in the Arctic. *Nature Climate Change* 5(7), 673–677.
- Fossile, E., Nardelli, M.P., Howa, H., Baltzer, A., Poprawski, Y., Baneshi, I., Doveri, M., Mojtahid, M. (2022). Influence of modern environmental gradients on foraminiferal faunas in the inner Kongsfjorden (Svalbard). *Marine Micropaleontology*, 173, 102117.
- Freiwald, A., & Mostafawi, N. (1998). Ostracods in a cold-temperate coastal environment, Western Troms, Northern Norway: Sedimentary aspects and assemblages. *Facies*, 38, 255–274.
- Frenzel, P. (1991). Die Ostracoden und Foraminiferenfauna des Cyprinentons der Küster Nische (Arkona, N- Rügen). Diplomarbeit, 55p. Ernst Moritz Arndt Universität Greifswald.
- Frenzel, P., & Boomer, I. (2005). The use of ostracods from marginal marine, brackish waters as bioindicators of modern and Quaternary environmental change. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 225(1-4), 68-92.
- Frenzel, P., Borrmann, C., Lauenburg, B., Bohling, B., Bartholdy, J. (2009). Environmental impact assessment of sediment dumping in the southern Baltic Sea using meiofauna indicators. *Journal of Marine Systems*, 75(3-4), 430-440.
- Frenzel, P., Wrozyna, C., Xie, M.P., Zhu, L.P., Schwalb, A. (2010a). Paleo-water depth estimation for a 600-year record from Nam Co (Tibet) using an ostracod-based transfer function. *Quaternary International*, 218(1-2), 157-165.
- Frenzel, P., Keyser, D., Viehberg, F.A., (2010b). An illustrated key and (palaeo)ecological primer for Postglacial to Recent Ostracoda (Crustacea) of the Baltic Sea. *BOREAS*, 39(3), 567-575.
- Gamboa-Sojo, V.M., Husum, K., Morigi, C., Divine, D., Miettinen, A. (2022). Environmental changes in Krossfjorden, Svalbard, since 1950: Benthic foraminiferal and stable isotope evidence. *Arctic, Antarctic, and Alpine Research*, 54(1), 465-477.
- Gemery, L. Cronin, T.M., Poirier, R.K.; Pearce, C., Barrientos, N., ÓRegan, M., Johansson, C., Koshurnikov, A., Jakobsson, M. (2017). Central Arctic Ocean paleoceanography from ~50 ka to present, on the basis of ostracode faunal assemblages from SWERUS 2014 expedition. *Climate of the Past*, 13, 1473–1489.

- Gemery, L., Cronin, T. M., Cooper, L. W., Dowsett, H. J., Grebmeier, J. M., (2021). Biogeography and ecology of Ostracoda in the U.S. northern Bering, Chukchi, and Beaufort Seas. *PLoS ONE* 16 (5), e0251164.
- Gemery, L., Cooper, L.W., Magen, C., Cronin, T.M., Grebmeier, J.M. (2022). Stable oxygen isotopes in shallow marine ostracodes from the northern Bering and Chukchi Seas. *Marine Micropaleontology*, 174, 102001.
- Gemery, L., Cronin, T.M., Cooper, L.W., Roberts, L.R., Keigwin, L.D., Addison, J.A., Leng, M.J., Lin, P., Magen, C., Marot, M.E., Schwartz, V. (2023). Multi-proxy record of ocean-climate variability during the last two millenia on the Mackenzie Shelf, Beaufort Sea. *Micropaleontology*, 69(3), 345-366.
- Gooday, A. J., & Hughes, J. A. (2002). Foraminifera associated with phytodetritus deposits at a bathyal site in the northern Rockall Trough (NE Atlantic): Seasonal contrasts and comparison of stained and dead assemblages. *Marine Micropaleontology*, 46(1-1), 83-110.
- Guilhermic, C., Nardelli, M.P., Mouret, A., Pusceddu, A., Baltzer, A., Howa, H. (2024). Ecological patterns of benthic foraminiferal communities driven by seasonal and spatial environmental gradients in an Arctic fjord. *Limnology and Oceanography*, 69(11), 2596-2609.
- Halbach, L., Vihtakari, M., Duarte, P., Everett, A., Granskog, M.A., Hop, H., Kauko, H.M., Kristiansen, S., Myhre, P.I., Pavlov, A.K., Pramanik, A., Tatarek, A., Torsvik, T., Wiktor, J.M., Wold, A., Wulff, A., Stehen, H., Assmy, P. (2019). Tidewater Glaciers and Bedrock Characteristics Control the Phytoplankton Growth Environment in a Fjord in the Arctic. *Frontiers in Marine Science*, 6, 254.
- Hald, M., & Steinsund, P.I. (1992). Distribution of surface sediment benthic foraminifera in the southwestern Barents Sea. *Journal of Foraminiferal Research*, 22(4), 347-362.
- Hald, M., & Korsun, S. (1997). Distribution of modern benthic foraminifera from fjords of Svalbard, European Arctic. *Journal of Foraminiferal Research*, 27(2), 101–122.
- Hald, M., & Aspeli, R. (1997), Rapid climatic shifts on the northern Norwegian Sea during the last deglaciation and the Holocene, *Boreas*, 26(1), 15-28.
- Hald, M., Ebbesen, H., Forwick, M., Godtliobsen, F., Khomenko, L., Korsun, S., Olsen, L.R., Vorren, T.O. (2004), Holocene paleoceanography and glacial history of the West Spitsbergen area, Euro-Arctic margin, *Quaternary Science Reviews*, 23(20-22), 2075 – 2088.
- Hammer, Ø., Harper, D.A.T., Ryan, P.D. (2001). PAST: Paleontological Statistics software package for education and data analysis. *Palaeontologia Electronica*, 4(1), 9-17.
- Hansen, B.B., Anes, R., Hernfindal, I., Kohler, J., Saether, B.E. (2011). Climate, icing, and wild arctic reindeer: past relationships and future prospects. *Ecology*, 92, 10.
- Hansen, K.E., Pearce, C., Seidenkrantz, M. (2023). Response of Arctic benthic foraminiferal traits to past environmental changes. *Scientific Reports* 13(1), 22135.
- Harikrishnan, S. & Nathan, S.D. (2023). Abundance and distribution of recent benthic foraminifera from the southwestern part of the Bay of Bengal. *Geosystems and Geoenvironment*, 2(4), 100209.

- Hartmann, G., (1992). Zur Kenntniss der rezenten und Submission Ostracoden des Liedefjords (Nordspitzbergen, Svalbard). I. Teil. Mitt. Hamburg. Zoll. Mus. Inst., 89 (181-225)
- Hauser, D.D.W., Laidre, K.L., Stern, H.L. (2018). Vulnerability of Arctic marine mammals to vessel traffic in the increasingly ice-free Northwest Passage and Northern Sea Route. *Proc. Natl. Acad. Sci. U.S.A.*, 115(29), 7617-7622.
- Hayward, B. W., Grenfell, H. R., Catherine, M.R., Hayward, K.A. (1999). Recent New Zealand shallow-water benthic foraminifera: Taxonomy, ecologic distribution, biogeography, and use in paleoenvironmental assessment. *Institute of Geological and Nuclear Sciences Monograph* 21, 258.
- Horne, D.J., Cohen, A., Martens, K. (2002). Taxonomy, Morphology and Biology of Quarternary and Living Ostracoda. *The Ostracoda: Applications in Quarternary Research, Geophysic Monography Series*, 131, 5-36.
- Horne, D.J., Holmes, J.A., Rodriguez-Lararo, J., Viehberg, F.A. (2012). Chapter 18 - Ostracoda as Proxies for Quaternary Climate Change: Overview and Future Prospects. *Elsevier* 17, 305-315.
- Hull, S. L. (1997). The distribution and assemblage composition of the ostracod fauna (Crustacea: Ostracoda) on Filey Brigg, North Yorkshire. *Journal of Natural History*, 32(4), 501–520.
- Ingrosso, G., Ceccarelli, C., Giglio, F., Giodrano, P., Hefter, J., Langone, L., Miserocchi, S., Mollenhauer, G., Nogarotto, A., Sabino, M., Tesi, T. (2025). Greening of Svalbard in the twentieth century driven by sea ice loss and glaciers retreat. *Communication Earth & Environment*, 6, 30.
- IPCC. 2021. Climate Change (2021): The Physical Science Basis. Contribution of Working Group I to the Sixth Assessment Report of the Intergovernmental Panel on Climate Change (V. Masson-Delmotte, P. Zhai, A. Pirani, S. L. Connors, C. Péan, S. Berger, N. Caud, Y. Chen, L. Goldfarb, M. I. Gomis, M. Huang, K. Leitzell, E. Lonnoy, J. B. R. Matthews, T. K. Maycock, T. Waterfield, O. Yelekçi, R. Yu, & B. Zhou, Eds.). Cambridge University Press.
- Isaksen, K., Nordli, Ø., Ivanov, B., Køltzow, M.A.Ø., Aaboe, S., Gjeltén, H.M., et al. (2022). Exceptional warming over the Barents area. *Scientific Reports* 12(1), 9371.
- Jablonski, D. & Sepkoski Jr, J.J. (1996). Paleobiology, community ecology, and scales of ecological pattern. *Ecology*, 77(5), 1367-1378.
- Jakobsson, M., Nilsson, J., Anderson, L., Backman, J., Björk, G., Cronin, T.M., Kirchner, N., Koshurnikov, A., et al. (2016). Evidence for an ice shelf covering the central Arctic Ocean during the penultimate glaciation. *Nature Communications* 7, 10365.
- Jang, K., Ahn, Y., Joe, Y.J., Braun, C.A., Joo, Y.J., Kim, J., Bayon, G., Forwick, M., Vogt, C., Nam, S.I. (2021). Glacial and environmental changes in northern Svalbard over the last 16.3 ka inferred from neodymium isotopes. *Global and Planetary Change*, 201, 103483.
- Jennings, A. (2004). Modern foraminiferal fauna of the southwestern to northern Iceland shelf: oceanographic and environmental control. *The Journal of Foraminiferal Research* 34(3), 180–207.
- Jennings, A. E., & Helgadottir, G. (1994). Foraminiferal assemblages from the fjords and shelf of eastern Greenland. *Journal of Foraminiferal Research*, 24(2), 123–144.

- Jensen, G.H., Madsen, J., Johnson, F.A., Tamstorf, M.P. (2014). Snow conditions as an estimator of the breeding output in high-Arctic pink-footed geese *Anser brachyrhynchus*. *Polar Biology*, 37, 1-14.
- Jernas, P., Klitgaard-Kristensen, D., Husum, K., Wilson, L., Koc, N. (2013). Palaeoenvironmental changes of the last two millennia on the western and northern Svalbard shelf. *BOREAS*, 42(1), 236-255.
- Jernas, P., Klitgaard-Kristensen, D., Husum, K., Wilson, L., Koc, N., Tverberg, V., Loubere, P., Prins, M., Dijkstra, N., Gluchowska, M. (2018). Annual changes in Arctic fjord environment and modern benthic foraminiferal fauna: Evidence from Kongsfjorden, Svalbard.
- Jessen, S.P., Rasmussen, T.L., Nielsen, T., Solheim, A. (2010). A new late Weichselian and Holocene marine chronology for the western Svalbard slope 30,000–0 cal years BP. *Quaternary Science Reviews*, 29, 1301–1312.
- Johansson, Å., Larionov, A.N., Tebenkov, A.M., Gee, D.G., Whitehouse, M.J., Vestin, J., (2000). Grenvillian magmatism of western and central Nordaustlandet, northeastern Svalbard. *Earth Environ. Sci. T. R. Soc.* 90, 221–254.
- Johansson, Å., Larionov, A.N., Tebenkov, A.M., Ohta, Y., Gee, D.G., (2002). Caledonian granites of western and central Nordaustlandet, Northeast Svalbard. *GFF* 124, 135–148
- Johnston, D.T., Humphreys, E.M., Davies, J.G., Evans, T., Howells, R., Pearce-Higgins, J.W. (2025) Current understanding of how climate change affects seabirds varies between regions and species in the North-East Atlantic. *Marine Ecology Progress Series* 755, 163-177.
- Jones, R.L., Whatley, R.C., Cronin T.M., Dowsett, H. (1999). Reconstructing late Quaternary deep-water masses in the eastern Arctic Ocean using benthonic Ostracoda. *Marine Micropaleontology*, 37(3-4), 251-272.
- Jørgensen, L.L., Pecuchet, L., Ingvaldsen, R.B., Primiverio, R. (2022). Benthic transition zones in the Atlantic gateway to changing Arctic ocean. *Progress in Oceanography*, Elsevier 204, 102792.
- Jorissen, F.J., Barmawidjaja, D.M., Puskaric, S., Vanderzwaan, G.J. (1992). Vertical-distribution of benthic foraminifera in the northern Adriatic Sea – The relation with the organic flux. *Marine Micropaleontology*, 19(1-2), 131-146.
- Jorissen, F.J., Buzas, M.A., Culver, S.J. & Kuehl, S.A. (1994): Vertical distribution of living benthic foraminifera in submarine canyons of New Jersey. *Journal of Foraminiferal Research*. 24(1), 28-36.
- Jorissen, F. J., de Stigter, H. C., & Widmark, J. G. V. (1995). A conceptual model explaining benthic foraminiferal microhabitats. *Marine Micropaleontology*, 26, 3–15.
- Jorissen, F.J., Fontanier, C., Thomas, E. (2007). Paleooceanographical proxies based on deep-sea benthic foraminiferal assemblage characteristics. *Developments in Marine Geology*, 1, 263-315.
- Jöst, A.B., Yasuhara, M., Okahashi, H., Ostmann, A., Arbizu P.M., Brix, S. (2017). Vertical distribution of living ostracods in deep-sea sediments, North Atlantic Ocean. *Deep Sea Research Part I: Oceanographic Research Papers*, Elsevier 122, 113-121.
- Kalhagen, K., Skogseth, R., Baumann, T.M., Falck E., Fer, I. (2024). An emerging pathway of Atlantic Water to the Barents Sea through the Svalbard Archipelago: drivers and variability. *Ocean Science* 20(4), 981-1001.
- Karanovic, I., & Brandão, S.N. (2016). The genus *Polycope* (Polycopidae, Ostracoda) in the North Atlantic and Arctic: taxonomy, distribution and ecology. *Systematics and Biodiversity*, 14(2), 198–223.

- Karanovic, I., Pham, T.M.H., & Brandão, S. N. (2019). Ostracod shell plasticity across longitudinal and bathymetric ranges *Deep-Sea Research Part I: Oceanographic Research Papers*, 143, 115–126.
- Khosravi, N., Wang, Q., Koldunov, N., Hinrichs, C., Semmler, T., Danilov, S., Jung, T. (2022). The arctic ocean in CMIP6 Models: Biases and Projected Changes in Temperature and Salinity. *Earths Future* 10(2), e2021EF002282.
- Klitgaard-Kristensen, D., H. P. Sejrup, and H. Haflidason (2001), The last 18 kyr fluctuations in Norwegian Sea surface conditions and implications for the magnitude of climatic change: Evidence from the North Sea, *Paleoceanography*, 16, 455 – 467.
- Knudsen, K.L. (1971). Late Quarternary foraminifera from the Løkken area. *Bulletin of the Geological Society of Denmark*, 21, 130-158.
- Knudsen, K. L., Jiang, H., Jansen, E., Eiriksson, J., Heinemeier, J., Seidenkrantz, M.S. (2004), Environmental changes off north Iceland during the deglaciation and the Holocene: Foraminifera, diatoms and stable isotopes, *Marine Micropaleontology*, 50, 273-305.
- Koc, N., Jansen, E., Haflidason, H. (1993), Paleooceanographic reconstructions of surface ocean conditions in the Greenland, Iceland and Norwegian Seas through the last 14 ka based on diatoms, *Quaternary Science Reviews*, 12, 115-140.
- Koc, N., Klitgaard-Kristensen, D., Hasle, K., Forsberg, C.F., Solheim A. (2002). Late glacial paleoceanography of Hinlopen Strait, northern Svalbard. *Polar Research*, 21(2), 307-314.
- Koenig, Z., Kalhagen, K., Kolås, E., Fer, I., Nilsen, F., Cottier, F. (2022). Atlantic Water properties, transport and heat loss from mooring observations north of Svalbard. *Journal of Geophysical Research: Oceans*, 127(9), e2022JC018568.
- Korsun, S. (2000). Seasonal dynamics of benthic foraminifera in a glacially fed fjord of Svalbard, European Arctic. *Journal of Foraminiferal Research*, 30(4), 251–271.
- Kovacs, K.M., Aars, J., Lydersen, C. (2014). Walruses recovering after 60+ years of protection in Svalbard, Norway. *Polar Research* 33, 26034.
- Kristensen, D. K., Rasmussen, T. L., Koç, N. (2013). Palaeoceanographic changes in the northern Barents Sea during the last 16 000 years – new constraints on the last deglaciation of the Svalbard–Barents Sea Ice Sheet. *Boreas*, 42, 798-813.
- Kujawa, A., Łacka, M., Szymańska, N., Telesiński, M., Zajączkowski, M. (2021). Could Norwegian fjords serve as an analogue for the future of the Svalbard fjords? State and fate of high latitude fjords in the face of progressive “atlantification”. *Polar Biology* 44(10), 2217-2233.
- Külköylüoğlu, O., Yavuzatmaca, M., & Akdemir, D., et al.(2019). Correlational patterns of species diversity, swimming ability and ecological tolerance of non-marine ostracoda (Crustacea) with different reproductive modes in shallow water bodies of aǧrı region (Turkey). *Journal of Freshwater Ecology*, 34(1), 151-165.
- Lagoe, M.B. (1979) Recent Benthonic Foraminiferal Biofacies in the Arctic Ocean. *Micropaleontology*, 25(2), 214-224.

- Landvik, J. Y., S. Bondevik, A. Elverhøi, W. Fjeldskaar, J. Mangerud, O. Salvigsen, M. J. Siegert, J. I. Svendsen, and T. O. Vorren (1998), The Last Glacial Maximum of Svalbard and the Barents Sea area: Ice sheet extent and configuration, *Quaternary Science Reviews*, 17(1-3), 43-75.
- Limoges, A., Ribeiro, S., Weckström, K., Heikkilä, M. Zamelczyk, K., Andersen, T.J., Tallberg, P., Masse, G., Rysgaard, S., Norgaard-Pedersen, N., Seidenkrantz, M.S. (2018). Linking the Modern Distribution of Biogenic Proxies in High Arctic Greenland Shelf Sediments to Sea Ice, Primary Production, and Arctic-Atlantic Inflow. *Journal of Geophysical Research, Biogeosciences*, 123(3), 760-786.
- Lind, S., Ingvaldsen, R.B., Furevik, T. (2018). Arcticwarming hotspot in the northern Barents Sea linked to declining sea-ice import. *Nature Climate Change*, 8(7) 634–639.
- Linke, P., & Lutze, G. F. (1993). Microhabitat preferences of benthic foraminifera—a static concept or a dynamic adaptation to optimize food acquisition? *Marine Micropaleontology*, 20(3–4), 215–234.
- Loubere, P. (1991). Deep-sea benthic foraminiferal assemblage response to a surface ocean productivity gradient: A test. *Paleoceanography*, 6(2), 193–204.
- Lu, W. , Rickaby, R.E. , Hoogakker, B.A. ,Rathburn, A.E. , Burkett, A.M. , Dickson, A J. ,Martinez Mendez, G. , Hillenbrand, C D. , Zhou, X. , Thomas, E. and Lu, Z. (2020). I/Ca in epifaunal benthic foraminifera: A semi-quantitative proxy for bottom water oxygen in a multi-proxy compilation for glacial ocean deoxygenation. *Earth and Planetary Science Letters*, 533, 116055-116065.
- Lutze, G.F. (1980): Depth distribution of benthic foraminifera on the continental margin off NW Africa. „Meteor“ Forschungsergebnisse, Reihe C, 32, 31-80.
- Lutze, G. F., & Thiel, H. (1989). Epibenthic foraminifera from elevated microhabitats; *Cibicidoides wuellerstorfi* and *Planulina ariminensis*. *Journal of Foraminiferal Research*, 19, 153–158.
- Maccali, J., Hillaire-Marcel, C., Carignan, J., Reisberg, L.C. (2013). Geochemical signatures of sediments documenting Arctic Sea-ice and water mass export through Fram Strait since the Last Glacial Maximum. *Quaternary Science Reviews*. 64, 136–151.
- Mackensen, A., Sejrup, H.P., Jansen, E. (1985). The distribution of living benthic foraminifera on the continental slope and rise off southwest Norway. *Marine Micropaleontology* 9(4), 275–306.
- Mackensen, A., & Hald, M. (1988). *Cassidulina teretis* Tappan and *C. laevigata* d'Orbigny: their modern and late Quaternary distribution in Northern Seas , *Journal of foraminiferal research*, 18 (1), pp. 16-24 .
- Mackensen, A., & Douglas, R.G. (1989). Down-core distribution of live and dead benthic foraminifera in box cores from Weddel Sea and the California Continental Borderline. *Deep-Sea Research Part A. Oceanographic Research Papers*, 36(6), 879-900.
- Mackensen, A., Hubberten, H. W., Bickert, T., Fischer, G., & Fütterer, D. K. (1993). The $\delta^{13}\text{C}$ in benthic foraminiferal tests of *Fontbotia wuellerstorfi* (Schwager) Relative to the $\delta^{13}\text{C}$ of dissolved inorganic carbon in Southern Ocean Deep Water: Implications for glacial ocean circulation models. *Paleoceanography*, 8(5), 587-610.

- Mackensen, A., Schumacher, S., Radke, J., Schmidt, D.N. (2000). Microhabitat preferences and stable carbon isotopes of endobenthic foraminifera: clue to quantitative reconstruction of oceanic new production? *Marine Micropaleontology*, 40(3), 233-258.
- Mackiewicz, A. (2006). Recent benthic Ostracoda from Hornsund, south Spitzbergen, Svalbard Archipelago. *Polish Polar Research*, 27(1), 71-90.
- Majoran, S. (1999). Palaeoenvironmental indications of a Late Weichselian ostracod assemblage from the southern Kattegat, Scandinavia. *GFF*, Vol. 121(3), 215-220.
- Mangerud, J., Astakhov, V., J.-I. Svendsen, J.I. (2002). The extent of the Barents-Kara ice sheet during the Last Glacial Maximum. *Quaternary Science Reviews*, 21, 111-119.
- Marzen, R.E., DeNinno, L.H., Cronin, T.M. (2016). Calcareous microfossil-based orbital cyclostratigraphy in the Arctic Ocean. *Quaternary Science Reviews* 149, 109-121.
- McCorkle, D.C., Keigwin, L.D., Corlis, B.H., Emerson, S.R. (1990). The influence of microhabitats on the carbon isotopic composition of deep-sea benthic foraminifera. *Paleoceanography*, 5(2), 161-185.
- McCorkle, D.C., Corliss, B.H., Farnham, C.A. (1997). Vertical distributions and stable isotopic compositions of live (stained) benthic foraminifera from the North Carolina and California continental margins. *Deep-Sea Research Part I: Oceanographic Research Papers*, 44(6), 983-1024.
- McCormack, J., Viehbern, F., Akdemir, D., Immenhauser, A., Kwiecien, O. (2019). Ostracods as ecological and isotopic indicators of lake water salinity changes: the Lake Van example. *EGU*, 16(10), 2095–2114.
- Menze, S., Ingvaldsen, R.B., Haugan, P., Fer, I., Sundfjord, A., Beszczynska-Moeller, A., Falk-Petersen, S. (2019). Atlantic water pathways along the North-Western Svalbard shelf mapped using vessel-mounted current profilers. *J. Geophys. Res. Oceans* 124(3), 1699-1716.
- Metzner, E. P., Salzmann, M., Gerdes, R. (2020). Arctic Ocean surface energy flux and the cold halocline in future climate projections. *Journal of Geophysical Research: Oceans* 125(2), e2019JC015554.
- Mischke, S., Herzsuh, U., Massmann, G., Zhang, C. (2007). An ostracod-conductivity transfer function for Tibetan lakes. *Journal of Paleolimnology*, 38, 509-524.
- Modig, H. & Ólafsson, E. (1998). Responses of Baltic benthic invertebrates to hypoxic events. *Journal of Experimental Marine Biology and Ecology*, 229, 133–148.
- Murray, J.W. (2006). *Ecology and Applications of Benthic Foraminifera*. Cambridge University Press, 426.
- Nascimento, F.J.A., Karlson, A.M.L., Näslund, J., Elmgren, R. (2011). Diversity of larger consumers enhances interference competition effects on smaller competitors. *Oecologia* 166, 337–347.
- Nguyen, N., Pawłowska, J., Barrenechea, I., Zajączkowski, M., Pawłowski, J. (2021). Metabarcoding Reveals High Diversity of Benthic Foraminifera Driven by Atlantification of Coastal Svalbard. *Geobiology* 21(1), 133-150
- Onarheim, I.H., Smedsrud, L.H., Ingvaldsen, R.B. (2014). Loss of sea ice during winter north of Svalbard. *Tellus* 66(1), 23933.

- Onarheim, I.H., Eldevik, T., Smedsrud, L.H., Stroeve, J.C. (2018). Seasonal and regional manifestation of Arctic sea ice loss. *Journal of Climate* 31(12), 4917–4932.
- Ottesen, D., Dowdeswell, J.A., Landvik, J.Y., Mienert, J., (2008). Dynamics of the late Weichselian ice sheet on Svalbard inferred from high-resolution sea-floor morphology. *Boreas* 36(3), 286-306.
- Patton, H., Hubbard, A., Andreassen, K., Auriac, A., Whitehouse, P.L., Stroeve, A.P., Shackleton, C., Winsborrow, M., Heyman, J., Hall, A.M. (2017). Deglaciation of the Eurasian ice sheet complex. *Quaternary Science Reviews* 169, 148–172.
- Pena, L. D., Calvo, E., Pelejero, C., Eggins, S. M., Bianchini, G. (2005). Identification and removal of Mn-Mg-rich contaminant phases on foraminiferal tests: Implications for Mg/Ca past temperature reconstructions. *Geochemistry, Geophysics, Geosystems*, 6 (9).
- Poirier, R.K., Cronin, T.M., Briggs, Jr W.M., Lockwood, R. (2012). Central Arctic paleoceanography for the last 50kyr based on ostracode faunal assemblages. *Marine Micropaleontology*, 88, 65-76.
- Polyak, L., Korsun, S., Febo, L. A., Laurence, A.F., Vladimir S., Tatyana, K., Morten H., Paulsen, B.E, Lubinski D.J. (2002). Benthic foraminiferal assemblages from the southern Kara Sea, a river-influenced Arctic marine environment. *Journal of Foraminiferal Research*, 32(3), 252–273.
- Polyak, L., Levitan, M., Khusid, T., Merklin, L., Mukhina., V. (2002). Variations in the influence of riverine discharge on the Kara Sea during the last deglaciation and the Holocen. *Global and Planetary Change*, 32(4), 291-309.
- Polyak, L., Stanovoy, V., Lubinski, D.J. (2003). Stable isotopes in benthic foraminiferal calcite from a river-influenced Arctic marine environment, Kara and Pechora Seas. *Paleoceanography*, 18(1), 1003.
- Polyak, L., Best, K.M., Crawford, K.A., Council, E.A., St-Onge, G. (2013). Quaternary history of sea ice in the western Arctic Ocean based on foraminifera. *Quaternary Science Reviews*, 79, 145-156.
- Polyakov, I.V., Rippeth, T.P., Fer, I., Alkire, M.B., Baumann, T.M., Carmack, E.C., Ingvaldsen, R., Ivanov, V.V., Janout, M., Lind, S., Padman, L., Pnyushkov, A.V., Rember, R. (2020). Weakening of cold halocline layer exposes sea ice to oceanic heat in the Eastern Arctic Ocean. *American Meteorological Society* 33(18), 8107-8123.
- Prop, J., Aars, J., Bard-Jorgen, B., Hanssen, S.A., Bech, C., Bourgeon, S., de Fouw, J., Gabrielsen, G.W., Lang, J., Noreen, E., Oudman, T., Sittler, B., Stempniewicz, L., Tombre, I., Wolters, E., Moe, B. (2015). *Frontiers in Ecology and Evolution*, 3, 33.
- Rasmussen, T.L., & Thomsen, E. (2014). Brine formation in relation to climate changes and ice retreat during the last 15,000 years in Storfjorden, Svalbard, 76-78°N. *Paleoceanography*, 29(10), 911-929.
- Richter-Menge, J., & Druckenmiller, M.L. (2020). State of the climate in 2019 the arctic: The Arctic. *Bulletin of the American Meteorological Society* 101(8), 239–286.
- Rick, T.C. & Lockwood, R. (2013). Integrating paleobiology, archeology, and history to inform biological conservation. *Conservation Biology*, 27(1), 45-54.

- Rodriguez-Lazaro, J. & Ruiz-Munoz, F. (2012). A General Introduction to ostracods: morphology, distribution, fossil record and applications, in: *Ostracoda as proxies for Quaternary climate change*, edited by: Horne, D.J., Holmes, J.A., Rodriguez-Lazaro, J., and Viehberg, F. *Developments in Quaternary Science*, Elsevier, 17, 1-14.
- Røthe, T.O., Bakke, J., Vasskog, K., Gjerde, M., D'Andrea, W.J., Bradley, R.S., (2015). Arctic Holocene glacier fluctuations reconstructed from lake sediments at Mitrahelvøya, Spitsbergen. *Quaternary Science Reviews* 109, 111–125.
- Rožič, P.Z., Vidović, J., Čosović, V., Hlebec, A., Rožič, B., & Dolenc, M. (2022). A multiparametric approach to unravelling the geoenvironmental conditions in sediments of Bay of Koper (NE Adriatic Sea): Indicators of benthic foraminifera and geochemistry. *Frontiers in Marine Science*, 9, 812622.
- Rudels, B., Jones, E.P., Schauer, U., Eriksson, P. (2004). Atlantic sources of the Arctic Ocean surface and halocline waters. *Polar Research* 23(2), 181–208.
- Rytter, F., Knudsen, K.L., Seidenkrantz, M.S., Eiriksson, J. (2002). Modern distribution of benthic foraminifera on the North Icelandic shelf and slope. *Journal of Foraminiferal Research*, 32, 217-244.
- Scholes, R., Mace, G., Turner, W., Geller, G., Jürgens, N., Larigauderie, A., Muchoney, D., Walther, B., Moones, H. (2008). Toward a global biodiversity observing system. *Science*, 321(5892), 1044-1045.
- Seidenkrantz, M.-S., & Knudsen, K. L. (1993). Middle Weichselian to Holocene paleoecology in the Eastern Kattegat, Scandinavia – Foraminifera, Ostracods and C-14 measurements. *BOREAS*, 22(4), 299-310.
- Seidenkrantz, M.-S. (2013). Benthic foraminifera as palaeo sea-ice indicators in the subarctic realm – examples from the Labrador Sea–Baffin Bay region. *Quaternary Science Reviews*, 79, 135–144.
- Sejrup, H.P., Fjæran, T., Hald, M., Beck, L., Hagen, J., Miljeteig, I., Morvik, I., Norvik, O. (1981): Benthonic foraminifera in surface samples from the Norwegian Continental Margin between 62°N and 65°N. *Journal of Foraminiferal Research*, 11, (4)277-295.
- Slubowska, M.A., Koc, N., Rasmussen, T.L., Klitgaard-Kristensen, D (2005). Changes in the flow of Atlantic water into the Arctic Ocean since the last deglaciation: Evidence from the northern Svalbard continental margin, 80°N - art. no. PA4014. *Paleoceanography*, 20(4).
- Slubowska-Wodengen, M., Rasmussen, T.L., Klitgaard-Kristensen, D., Nilsen, F., Solheim, A., (2007) Advection of Atlantic Water to the western and northern Svalbard shelf since 17,500 cal yr BP. *Quaternary Science Reviews*, 26(3-4), 463-478.
- Slubowska-Woldengen, M., Koc, N., Rasmussen, T.L., Klitgaard-Kristensen, D., Hald, M., Jennings, A.E. (2008). Relative abundances of foraminifera and radiocarbon ages of selected cores obtained from the Nordic and Barents Sea. *PANGAEA*, 786602.
- Spielhagen, R. F., Werner, K., Sørensen, S. A., Zamelczyk, K., Kandiano, E. S., et al. (2011). Enhanced modern heat transfer to the Arctic by warm Atlantic water. *Science*, 331, 450–453.
- Stein, R., Fahl, K., Gierz, P., Niessen, F., Lohmann, G. (2017). Arctic Ocean sea-ice cover during the penultimate glacial and the last interglacial. *Nature Communications*, 8, 373.

- Steinsund, P. I. (1994), Benthic foraminifera in surface sediments of the Barents and Kara seas: Modern and late Quaternary applications, Ph.D. thesis, 111 pp., University of Tromsø, Tromsø, Norway.
- Stepanova, A., Taldenkova, E., Bauch, H. A. (2003). Recent Ostracoda from the Laptev Sea (Arctic Siberia): species assemblages and some environmental relationships. *Marine Micropaleontology*, 48(1-2), 23-48.
- Stepanova, A., Taldenkova, E., Simstich, J., & Bauch, H.A. (2007). Comparison study of the modern ostracod associations in the Kara and Laptev Seas: Ecological aspects. *Marine Micropaleontology*, 63(3-4), 111-142.
- Stepanova, A., Taldenkova, E., Bauch, H.A. (2010). Arctic quaternary ostracods and their use in paleoreconstructions. *Paleontological Journal*, 44(1), 41-48.
- Stepanova, A. Taldenkova, E., Bauch, H.A. (2012). Ostracod palaeoecology and environmental change in the Laptev and Kara seas (Siberian Arctic) during the last 18,000 years. *Boreas*, 41, 557-577.
- Svendsen, J. I. & J. Mangerud (1997), Holocene glacial and climatic variations on Spitsbergen, Svalbard. *Holocene*, 7(1), 45-57.
- Taldenkova, E., Bauch, H.A., Stepanova, A., Ovsepyan, Y., Pogodina, I., Kluvitkina, T., Nikolaev, S. (2013). Benthic and planktic community changes at the North Siberian margin in response to Atlantic water mass variability since last deglacial times. *Marine Micropaleontology*, 99, 29-44.
- Tesi, T., Muschitiello, F., Mollenhauer, G., Mieserocchi, S., Langone, L., Ceccarelli, C., Panieri, G., Chiggiato, G., Nogarotto, A., Heffer, J., Ingrosso, G., Giglio, F., Giordano, P., Capotondi, L. (2021). Rapid Atlantification along the Fram Strait at the beginning of the 20th century. *Science Advances*, Climatology, 7(48), eabj2946.
- Tian, S.Y., Yasuhara, M., Hong, Y., Huang, H.H.M., Iwatani, H., Chiu, W.T.R., Mamo, B., Okahashi, H., Rasmussen, T.L. (2020). Deglacial–Holocene Svalbard paleoceanography and evidence of meltwater pulse 1B. *Quaternary Science Reviews*, 233, 106237.
- Torsvik, T., Albretsen, J., Sundfjord, A., Kohler, J., Sandvik, A.D., Skardhamar, J., Lindböck, K., Everett, A. (2019). Impact of tidewater glacier retreat on the fjord system: Modeling present and future circulation in Kongsfjorden, Svalbard. *Estuarine, Coastal and Shelf Science*, 220, 152-165.
- Vázquez García, B., & Parisi Kern, H. (2022). Albion–Cenomanian boundary in the Sergipe–Alagoas Basin: Sea-level changes and paleoecology based on ostracods. *Marine Micropaleontology*, 177, 102172.
- Vickers, H., Tuomo, S., Morten, K., Ward, P. (2024). An analysis of winter rain-on-snow climatology in Svalbard. *Frontiers in Earth Science*, 12, 1342731.
- Wang, Q., Shu, Q., Wang, F. (2024). Recent emergence of Arctic atlantification dominated by climate warming. *Science Advances* 10(48), 1160- 1171.
- Werner, K., Frank, M., Teschner, C., Müller, J., Spielhagen, R.F. (2014). Neoglacial change in deep water exchange and increase of sea-ice transport through eastern Fram Strait: evidence from radiogenic isotopes. *Quaternary Science Reviews* 92, 190-207.
- Whatley, R., Eynon, M., & Moguilevsky, A. (1998). The depth distribution of Ostracoda from the Greenland Sea. *Journal of Micropaleontology*, 17(2), 15-32.

- Williams-Kerslake, M., Langehaug, H.R., Skogseth, R., Nilsen, F., Samuelsen, A., Gonzalez, S., Keenlyside, N. (2025). Characterising marine heatwaves in the Svalbard archipelago and surrounding seas. *EGU*sphere 4269, 1-47.
- Winkelmann, D., & Knies, J. (2005). Recent distribution and accumulation of organic carbon on the continental margin west off Spitsbergen. *Geochemistry, Geophysics, Geosystems*, 6, Q09012.
- Wollenburg, J. (1995). Benthic Foraminiferal assemblages in the Arctic Ocean: indicators for water mass distribution, productivity and sea ice drift. *Reports on Polar Research, AWI*, 179.
- Wollenburg, J. E. & Mackensen, A. (1998), Living benthic foraminifera from the central Arctic Ocean: Faunal composition, standing stock and diversity, *Marine Micropaleontology*, 34(3-4), 153-185.
- Wood, A.M. (2009). The phylogeny and palaeozoogeography of cold-water species of ostracod (Crustacea) from the pre-ludhamian stage (Late Pliocene-Early Pleistocene), red crag formation, East Anglia, England; with reference to the earliest arrival of pacific species. *Paleontological Research*, 13(4), 345-366.
- Yasuhara, M., & Cronin, T. M. (2008). Climate influences on deep-sea ostracode (Crustacea) diversity for the last three million years. *Ecological Society of America*, 89(11), 53-65.
- Yasuhara, M., Hunt, G., Dowsett, H. J., Robinson, M. M., Stoll, D. K. (2012). Latitudinal species diversity gradient of marine zooplankton for the last three million years. *Wiley-Blackwell*, 15(10), 1174-1179.
- Yasuhara, M., Sztybor, K., Rasmussen, T.L., Okahashi, H., Sato, R., Tanaka, H. (2018). Cold-seep ostracods from the western Svalbard margin: direct palaeo-indicator for methane seepage? *Journal of Micropalaeontology*, 37(1), 139-148.
- Yavuzatmaca, M., Külköylüoğlu, O., Ataman, A., Aytegin, A., Yilmaz, I.Ö. (2024). Assessment of rarity and ecological preferences of the non-marine ostracods (Crustacea) in Çanakkale Province (Türkiye). *Aquatic Sciences*, 86, 74.