

Publications in international peer-reviewed journals

- Edman, M., Eilola, K., Almroth-Rosell, E., Meier, H.E.M, **Wåhlström, I.**, Arneborg, L., 2018. Nutrient retention in the Swedish Coastal Zone, *Front. Mar. Sci.* 5:415.
- Karlson, B., Eilola, K., Johansson, J., Linders, J., Mohlin, M., Willstrand Wranne, A., **Wåhlström, I.**, 2017. Distribution of cyanobacteria blooms in the Baltic Sea. In: Proença, L.A.O. and Hallegraeff, G.M. (eds). *Marine and Fresh-Water Harmful Algae. Proceedings of the 17th International Conference on Harmful Algae. International Society for the Study of Harmful Algae 2017*, 100-103.
- Wåhlström, I.**, Dieterich, C., Pemberton, P., Meier H.E.M., 2016, Impact of increasing inflow of warm Atlantic water on the sea-air exchange of carbon dioxide and methane in the Laptev Sea, *J. Geophys. Res. Biogeosci.*, 121.
- Wåhlström, I.**, Meier H.E.M., 2014, Sensitivity of the sea-air exchange of CH₄ in the Laptev Sea, Arctic Ocean; A model study. *Tellus B*, 66, 24174.
- Anderson, L. G., Andersson, P. S., Björk, G., Jones, E. P., Jutterström, S., and **Wåhlström, I.**, 2013. Source and formation of the upper halocline of the Arctic Ocean, *J. Geophys. Res. Oceans*, 118, 410–421.
- Wåhlström, I.**, Omstedt, A., Björk, G., Anderson, L.G., (2013), Modelling the CO₂ dynamics in the Laptev Sea, Arctic Ocean: Part II Sensitivity of fluxes to changes in the forcing, *J. Mar. Syst.*, 111, 1-10, **Part of PhD thesis**
- Wåhlström, I.**, Omstedt, A., Björk, G., Anderson, L.G., 2012. Modelling the CO₂ dynamics in the Laptev Sea, Arctic Ocean: Part I, *J. Mar. Syst.*, 102, 29-38, **Part of PhD thesis**
- Anderson, L.G., Björk, G., Jutterström, S., Pipko, I., Shakhova, N., Semiletov, I.P., and **Wåhlström, I.**, 2011. East Siberian Sea, an Arctic region of very high biogeochemical activity, *Biogeosciences*, 8, 1745–1754, **Part of PhD thesis**
- Pipko, I.I., Semiletov, I.P., Pugach, S.P., **Wåhlström, I.**, and Anderson, L.G., 2011. Interannual variability of air-sea CO₂ fluxes and carbonate system parameters in the East Siberian Sea, *Biogeosciences*, 8, 1987-2007. **Part of PhD thesis**
- Anderson L.G., Tanhua, T., Björk, G., Hjalmarsson, S., Jones, E. P., Jutterström, S., Rudels, B., Swift, J. H., **Wåhlström, I.**, 2010. Arctic Ocean shelf – basin interaction, an active continental shelf CO₂ pump and its impact on the degree of calcium carbonate dissolution, *Deep Sea Res.*, 57, 869–879,

Other publications

- Eilola, K., Lindqvist, S., Almroth-Rosell, E., Edman, M., **Wåhlström, I.**, Bartoli, M., Burska, D., Carstensen, J., Helleman, D., Hietanen, S., Hulth, S., Janas, U. 2017, Linking

process rates with modelling data and ecosystem characteristics. SMHI Report Oceanography, No. 61

Wåhlström, I., Eilola, K., Edman, M., Almroth-Rosell, E., 2017 Evaluation of open sea boundary conditions for the coastal zone. A model study in the northern part of the Baltic Proper. SMHI Report Oceanography, No. 55

Wesslander, K., Eilola, K., **Wåhlström, I.**, Coastal eutrophication status assessment using HEAT 1.0 (WFD methodology) versus HEAT 3.0 (MSFD methodology) and Development of an oxygen consumption indicator. SMHI report Oceanography No. 51

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