

Publication list for John Mortensen

Last updated: 20151016

22 peer-reviewed articles; web of science h-factor 10. (In review: 1).

Bendtsen J, Mortensen J, Rysgaard S (2015). Modelling subglacial discharge and its influence on ocean heat transport in Arctic fjords. *Ocean Dynamics*, , doi: 10.1007/s10236-015-0883-1.

Krawczyk D, et al. (2015). Microplankton succession in a SW Greenland tidewater glacial fjord influenced by coastal inflows and runoff from the Greenland Ice Sheet. *Polar Biology*, , DOI 10.1007/s00300-015-1715-y

Bendtsen J, Mortensen J, Lennert K, Rysgaard S (2015). Heat sources for glacial ice melt in a west Greenland tidewater outlet glacier fjord: the role of subglacial freshwater discharge. *Geophys. Res. Lett.*, 42, doi:10.1002/2015GL063846.

Meire L, Sjøgaard DH, Mortensen J, Meysman FJR, Soetaert K, Arendt KE, Juul-Pedersen T, Blicher ME, Rysgaard S (2015). Glacial meltwater and primary production as drivers of strong CO₂ uptake in fjord and coastal waters adjacent to the Greenland IceSheet. *Biogeosciences*, 12, 2347-2363, doi:10.5194/bg-12-2347-2015.

Langen PL, Mottram RH, Christensen JH, Boberg F, Rodehacke CB, Stendel M, van As D, Ahlstrøm AP, Mortensen J, Rysgaard S, Petersen D, Svendsen KH, Aðalgeirsdóttir G, Cappelen J (2015). Quantifying energy and mass fluxes controlling Godthåbsfjord freshwater input in a 5 km simulation (1991-2012). *J. Climate*, 28 (9), 3694-3713, doi: 10.1175/JCLI-D-14-00271.1

Juul-Pedersen T, Arendt KE, Mortensen J, Blicher ME, Sjøgaard DH, Rysgaard S (2015). Seasonal and interannual phytoplankton production in a sub-Arctic tidewater outlet glacier fjord, west Greenland. *Mar Ecol Prog Ser. Vol. 524*: 27–38, doi: 10.3354/meps11174.

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Bendtsen, J, Mortensen J, Rysgaard S (2014). Seasonal surface layer dynamics and sensitivity to runoff in a high Arctic fjord (Young Sound/Tyrolerfjord, 74°N). *J. Geophys. Res. Oceans*, 119, doi:10.1002/2014JC010077.

Kjeldsen KK, Mortensen J, Bendtsen J, Petersen D, Lennert K, Rysgaard S (2014). Ice-dammed lake drainage cools and raises surface salinities in a tidewater outlet glacier fjord, West Greenland. *J. Geophys. Res. Earth Surf.*, 119, 1310–1321, doi:10.1002/2013JF003034.

Mortensen J, Bendtsen J, Motyka RJ, Lennert K, Truffer M, Fahnestock M, Rysgaard S (2013). On the seasonal freshwater stratification in the proximity of fast-flowing tidewater outlet glaciers in a sub-Arctic sill fjord, *J. Geophys. Res. Oceans*, 118, 1382-1395, doi:10.1002/jgrc.20134.

Arendt KE, Juul-Pedersen T, Mortensen J, Blicher ME, Rysgaard S (2013). A 5-year study of seasonal patterns in mesozooplankton community structure in a sub-Arctic fjord reveals dominance of *Microsetella norvegica* (Crustacea, Copepoda). *J. Plankton Res.* 35 (1), 105-120, doi:10.1093/plankt/fbs087.

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Carlsson P, Cornelissen G, Boggild CE, Rysgaard S, Mortensen J, Kallenborn R (2012). Hydrology-linked spatial distribution of pesticides in a fjord system in Greenland. *J. Environ. Monit.*, 2012, Advance Article. DOI: 10.1039/C2EM30068K.

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Tang KW, Nielsen TG, Munk P, Mortensen J, Møller EF, Arendt KE, Tønnesson K, Juul-Pedersen T (2011). Metazooplankton community structure, feeding rate estimates, and hydrography in a meltwater-influenced Greenlandic fjord. *Mar Ecol Prog Ser*. Vol. 434: 77–90, 2011. doi: 10.3354/meps09188.

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Richter A, Rysgaard S, Dietrich R, Mortensen J, Petersen D (2011). Coastal tides in West Greenland derived from tide gauge records. *Ocean Dynamics*. 61:39-49. DOI 10.1007/s10236-010-0341-z.

Holfort, J., Hansen E., Østerhus S., Dye S., Jonsson S., Meincke J., Mortensen J., Meredith M. (2008), Freshwater fluxes east of Greenland, in *Arctic-Subarctic Ocean Fluxes*, edited by R. R. Dickson, J. Meincke, and P. Rhines, pp. 263– 288, Springer, New York.

Reverdin, G., Durand F., Mortensen J., Schott F., Valdimarsson H., Zenk W. (2002), Recent changes in the surface salinity of the North Atlantic subpolar gyre, *J. Geophys. Res.*, 107(C12), 8010, doi:10.1029/2001JC001010.