

2014-2015 Refereed Publications / Articles publiés avec comité de lecture

- Abnizova, A., Miller, E.A., Young, K.L. and Shakil, S., 2014, Hydrological and physico-chemical variability of small ponds across a High Arctic wetland during thaw seasons, *Hydrological Sciences Journal*, Accepted
- Abnizova, A., Young, K. L. and Lafrenière, M.J., 2014, Pond hydrology and dissolved carbon dynamics at Polar Bear Pass wetland, Bathurst Island, Nunavut, *Ecohydrology*, v.7, no.1, 73-90, Published
- Abraham, C., Steiner, N., Monahan, A. and Michel, C., 2015, Effects of snow variability on radiative transfer in sea ice, *JGR Oceans*, Submitted
- Alonso-Saez, L., Zeder, M., Harding, T., Pernthaler, J., Lovejoy, C., Bertilsson, S. and Pedrós-Alió, C., 2014, Winter Bloom of a Rare Betaproteobacterium in the Arctic Ocean, *Frontiers in Aquatic Microbiology*, 7, Nature Publications, Published
- Ardyna, M., Babin, M., Gosselin, M., Devred, E., Rainville, L. and Tremblay, J.-É., 2014, Recent Arctic Ocean sea-ice loss triggers novel fall phytoplankton blooms, *Geophysical Research Letters*, v. 41, no. 17, 6207–6212, Published
- Arrigo, K.R., Perovich, D.K., Pickart, R.S., Brown, Z.W., van Dijken, G.L., Lowry, K.E., Mills, M.M., Palmer, M.A., Balch, W.M., Bates, N.R., Benitez-Nelson, C.R., Brownlee, E., Frey, K.I., Laney, S.R., Mathis, S.R., Matsuoka, A., Mitchell, B.G., Moore, G.W.K., Reynolds, R.A., Sosik, H.M. and Swift, J.H., 2014, Phytoplankton blooms beneath the sea ice in the Chukchi sea, *Deep Sea Research Part II: Topical Studies in Oceanography* v. 105, 1-16, Published
- Asplin, M.G., Fissel, D.B., Papakyriakou, T.N. and Barber D.G., 2015, Synoptic climatology of the Southern Beaufort Sea troposphere with comparisons to surface winds, *Atmosphere-Ocean*, DOI: 10.1080/07055900.2015.1013438, Published
- Asplin, M.G., Scharien, R., Else, B., Howell, S., Barber, D.G., Papakyriakou, T.N. and Prinsenberg, S., 2014, Implications of fractured Arctic perennial ice cover on thermodynamic and dynamic sea ice processes, *Journal of Geophysical Research (Oceans)*, vol. 119, no.4, 2327-2343, Published
- Babin, M., Bélanger, S., Ellinsten, I., Forest, A., Le Fouest, V., Lacour, T., Ardyna, M. and Slagstad, D., 2015, Estimation of primary production in the Arctic Ocean using ocean colour remote sensing and coupled physical-biological models: strengths, limitations and how they compare, *Progr. Oceanogr.*, in press, Accepted
- Baldo, S., Mennill, D.J., Guindre-Parker, S., Gilchrist, H.G. and Love, O.P., 2014, Snow buntings sing individually distinctive songs and show inter-annual variation in song structure, *Wilson Journal of Ornithology*, v. 126, 333-338, Published
- Baldo, S., Mennill, D.J., Guindre-Parker, S., Gilchrist, H.G. and Love, O.P., 2014, The oxidative cost of acoustic signals: testing steroid versus aerobic-activity hypotheses in a wild bird, *Ethology*, Submitted
- Barber, D.G., Ehn, J.K., Pucko, M., Rysgaard, S., Deming, J.W., Bowman, J.S., Papakyriakou, T.N., Galley, R.J. and Søgaard, D.H., 2014, Frost flowers on young Arctic sea ice: The climatic, chemical, and microbial significance of an emerging ice type, *Journal of Geophysical Research: Atmospheres*, vol. 119, no. 10, 11593-11612, Published
- Barber, D.G., Hop, H., Mundy, C.J., Else, B., Dmitrenko, I.A., Tremblay, J.-É., Ehn, J.K., Assmy, P., Candlish, L.M. and Rysgaard, S., 2015, The rapidly changing Arctic marginal sea ice zone and its physical and biogeochemical implications, *Progress in Oceanography*, Accepted
- Barber, D.G., Hop, H., Mundy, C.J., Else, B., Dmitrenko, I.A., Tremblay, J.-É., Ehn, J.K., Assmy, P., Daase, M., Candlish, L.M. and Rysgaard, S., 2015, Selected physical, biological and biogeochemical implications of a rapidly changing Arctic Marginal Ice Zone, *Progress in Oceanography*, Accepted

- Barber, D.G., McCullough, G., Babb, D., Komarov, A.S., Candlish, L.M., Lukovich, J.V., Asplin, M., Prinsenberg, S., Dmitrenko, I. and Rysgaard, S., 2014, Climate change and ice hazards in the Beaufort Sea, *Elementa: Science of the Anthropocene*, 13, Published
- Bawden, A.J., Linton, H.C., Burn, D.H. and Prowse, T.D., 2014, A Spatiotemporal Analysis of Hydrological Trends and Variability in the Athabasca River Region, Canada, *Journal of Hydrology*, vol. 509, 333-342, Published
- Bawden, A.J., Linton, H.C., Burn, D.H. and Prowse, T.D., 2014, Recent Changes in Patterns of Western Canadian River Flow and Association with Climatic Drivers, *Hydrological Research*, doi: 10.2166/nh.2014.032, (published online), Published
- Baya, P.A., Gosselin, M., Lehnerr, I., St. Louis, V.L. and Hintelmann, H., 2015, Determination of monomethylmercury and dimethylmercury in the Arctic Marine Boundary Layer, *Environmental Science and Technology*, vol. 49, 223-232, Published
- Beamish, A., Neil, A., Wagner, I. and Scott, N., 2014, Impacts of active layer detachments on carbon exchange in a High Arctic ecosystem, Cape Bounty, Nunavut, Canada, *Polar Biology*, 37, 1459-1468, Published
- Beamish, A., Nijland, W., Edwards, M., Coops, N.C. and Henry, G.H.R., 2015, Phenology and vegetation change measurements from true colour digital photography in high Arctic tundra, *Arctic Science*, Submitted
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- Beaudoin, A., Pienitz, R., Zdanowicz, C., Francus, P. and St-Onge, G., 2015, Palaeoenvironmental history of the last 6 centuries in the Nettilling lake area (Nunavut, Canada): A multi-proxy analysis, *The Holocene*, Submitted
- Beaulieu, F., Cuerrier, A., Fillion, V.J., Saleem, A. and Arnason, J.T., 2014, A gall mite, *Aceria rhodiola* (Acari: Eriophyidae), altering the phytochemistry of a medicinal plant, *Rhodiola rosea* (Crassulaceae), in the Canadian Arctic, *Journal of Natural History*, Submitted
- Beaumier, M., Ford, J. et al, 2015, What role does climate change play in affecting the food security of Inuit women in the Canadian North: A case study from Arviat, Nunavut, *Polar Record*, Accepted
- Bégin, C., Gingras, M., Savard, M.M., Marion, J., Nicault, A. and Bégin, Y., 2015, Assessing tree-ring carbon and oxygen stable isotopes for climate reconstruction in the Canadian northeastern boreal forest, *Palaeogeography, Palaeoclimatology, Palaeoecology*, Accepted
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- Bouchat, A. and Tremblay, L.B., 2014, Energy dissipation in viscous-plastic sea-ice models, *Journal of Geophysical Research: Oceans*, Accepted
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- Brown, K.A., Miller, L.A., Davelaar, M., Francois, R. and Tortell, P.D., 2014, Over-determination of the carbonate system in natural sea-ice brine and assessment of carbonic acid dissociation constants under low temperature, high salinity conditions, *Marine Chemistry*, vol. 165, 36-45, Published
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- Buckham, M., Furgal, C. and Sheldon, T., 2015, Barriers and Facilitators to Indigenous Knowledge Incorporation in Policy Making: the Case of Nunatsiavut's Environmental Protection Act (EPA), Submitted
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