

2005 Refereed Publications / Articles publiés avec comité de lecture

Baggaley, D.G., Hanesiak, J.M., 2005, An Empirical Blowing Snow Forecast Technique for the Canadian Arctic and Prairie Provinces, *Weather & Forecasting*, 20:51-62, American Meteorological Society Published

Barber, D.G., 2005, Microwave Remote Sensing, Sea Ice and Arctic Climate Processes, *Physics in Canada*, October 2005, 105-111, Canadian Association of Physicists Published

Buteau, S., Fortier, R., Allard, M., 2005, Rate-Controlled Cone Penetration Tests in Permafrost, *Canadian Geotechnical Journal* 42:184-197, National Research Council of Canada Published

Calmels, F., Allard, M., 2005, Ice Segregation and Gas Distribution in Permafrost From Tomodensitometric Analysis, *Permafrost and Periglacial Processes* 15:367-378, Wiley Inter-Science Published

Gauthier, G., Giroux, J.-F., Reed, A., Béchet, A., Bélanger, L., 2005, Interactions Between Land Use, Habitat Use and Population Increase in Greater Snow Geese: What Are the Consequences for Natural Wetlands?, *Global Change Biology* 11:856-868, Blackwell Publishing Ltd Published

Hanesiak, J.M., Wang, X.L., 2005, Adverse-Weather Trends in the Canadian Arctic, *Journal of Climate* 18:3140-3156, American Meteorological Society Published

Howell, S.E.L., Yackel, J.J., de Abreu, R.A., Geldsetzer, T., Breneman, C., 2005, On the Utility of Seawinds/Quikscat for the Estimation of the Thermodynamic State of First-Year Sea Ice, *IEEE Transactions on Geoscience and Remote Sensing* 43:1338-1350, IEEE Geoscience and Remote Sensing Society Published

Lantuit, H., Pollard, W.H., 2005, Temporal Stereophotogrammetric Analysis of Retrogressive Thaw Slumps on Herschel Island, Yukon Territory, *Natural Hazards and Earth System Science* 5:413-423, European Geosciences Union Published

Lockhart, W.L., Stern, G.A., Wagemann, R., Hunt, R.V., Metner, D.A., Delaronde, J., Dunn, B., Stewart, R.E., Hyatt, C.K., Harwood, L., Mount, K., 2005, Concentrations of Mercury in Tissues of Beluga Whales (*Delphinapterus leucas*) From Several Communities in the Canadian Arctic From 1981 to 2002, *Science of the Total Environment* 351-352:391-412, Elsevier Published

Lukovich, J.V., Barber, D.G., 2005, On Sea Ice Concentration Anomaly Coherence in the Southern Beaufort Sea, *Geophysical Research Letters* 32:L10705, doi:10.1029/2005gl022737, American Geophysical Union Published

Mei, Z.P., Legendre, L., Tremblay, J.E., Miller, L.A., Gratton, Y., Lovejoy, C., Yager, P.L., Gosselin, M., 2005, Carbon to Nitrogen (C:N) Stoichiometry of the Spring-Summer Phytoplankton Bloom in the North Water Polynya (NOW), *Deep Sea Research Part I* 52:2301-2314, Elsevier Published

Mueller, D.R., Vincent W.F., Bonilla S., Laurion I., 2005, Extremotrophs, Extremophiles and Broadband Pigmentation Strategies in a High Arctic Ice Shelf Ecosystem, *FEMS Microbiology Ecology* 53:73-87, Federation of European Microbiological Societies Published

Mundy, C.J., Barber, D.G., Michel, C., 2005, Variability of Snow and Ice Thermal, Physical and Optical Properties Pertinent to Sea Ice Algae Biomass During Spring, *Journal of Marine Systems* 58:107-120, Elsevier Published

Outridge, P.M., Stern, G.A., Hamilton, P.B., Percival, J.B., Mcneely, R., Lockhart, W.L., 2005, Trace Element Profiles in the Varved Sediment of an Arctic Lake, *Geochimica Et Cosmochimica Acta* 69:4881-4894, Elsevier Published

Power, M., Dempson, J. B., Reist, J. D., Schwarz C. J., Power, G., 2005, Latitudinal Variation in Fecundity Among Arctic Char Populations in Eastern North America, *Journal of Fish Biology*, 67:255-273, Evolutionary Ecology, Ltd. Published

Prinsenber, S.J., Hamilton, J., 2005, Monitoring the Volume, Freshwater and Heat Fluxes Passing Through Lancaster Sound in the Canadian Arctic Archipelago, *Atmosphere-Oceans* 43:1-22, Canadian Meteorological and Oceanographic Society Published

Stamler, C.J., Basu, N., Man Chan, H., 2005, Biochemical Markers of Neurotoxicity in Wildlife and Human Populations: Considerations for Method Development, *Journal of Toxicology and Environmental Health Part A*. 68:1413-1429, Metapress Published

Stern, G.A., Braekevelt, E., Helm, P.A., Bidleman, T.F., Outridge, P.M., Lockhart, W.L., Mcneely, R., Rosenberg, B., Ikonomou, M.G., Hamilton, P., Tomy, G.T., Wilkinson, P., 2005, Modern and Historical Fluxes of Halogenated Organic Contaminants to a Lake in the Canadian Arctic, As Determined From Annually Laminated Sediment Cores, *Science of the Total Environment* 342:223-243, Elsevier Published

Stern, G.A., Macdonald, C.R., Dunn, B., Fuchs, C., Harwood, L., Rosenberg, B., Muir, D.C., Armstrong, D., 2005, Spatial Trends and Factors Affecting Variation of Organochlorine Contaminants Levels in Canadian Arctic Beluga (*Delphinapterus leucas*), *Science of the Total Environment* 351-352:344-368, Elsevier Published

Tremblay, J., Bégin, Y., 2005, The Effects of Snow Packing on Tree Growth Forms on an Island in a Recently Created Reservoir in Northern Québec, Canada, *Ecoscience* 12:330-339, University Laval Published

Wang, J., Liu, Q., Jin, M., Ikeda, M., Saucier, F., 2005, A Coupled Ice-Ocean Model in the Pan-Arctic and North Atlantic Ocean: Simulation of Seasonal Cycles, *Journal of Oceanography* 61:213-233, Springer Published