

2006 refereed Publications / Articles publiés avec comité de lecture

Berteaux, D. and Stenseth, N.C., 2006, Measuring, Understanding and Projecting the Effects of Large-Scale Climatic Variability on Mammals, *Climate Research* 32:143-149, Inter-Research Published

Berteaux, D., Humphries, M.M., Krebs, C.J., Lima, M., Mcadam, A.G., Pettorelli, N., Réale, D., Saitoh, T., Tkadlec, E., Weladji, R.B., Stenseth, N.C., 2006, Constraints to Projecting the Effects of Climate Change on Mammals, *Climate Research, Inter-Research* 32:151-158 Published

Breen, K., Lévesque, E., 2006, Proglacial Succession of Biological Soil Crusts and Vascular Plants, *Canadian Journal of Botany* 84:1714-1731, Nrc, Ottawa Published

Breen, K., Lévesque, E., 2006, The Influence of Biological Soil Crusts on Soil Characteristics Along a High Arctic Glacier Foreland, Nunavut, Canada, *Arctic, Antarctic and Alpine Research* 40:287-297, Institute of Arctic and Alpine Research Published

Careau, V., Lecomte, N., Giroux, J.-F., Berteaux, D., 2006, Common Ravens Raid Arctic Fox Food Caches, *Journal of Ethology* 25: 79-82, Springer Published

Chan, H.M., Fediuk, K., Hamilton, S., Rostas, L., Caughey, A., Kuhnlein, H., Egeland, G., Loring, E., 2006, Food Security in Nunavut, Canada: Barriers and Recommendations, *International Journal of Circumpolar Health* 65:416-431, International Union for Circumpolar Health Published

Dunlap, E, Tang, C.C.L., 2006, Modeling the Mean Circulation of Baffin Bay, *Atmosphere-Ocean* 44:99-110, Canadian Meteorological and Oceanographic Society Published

Ehn, J.K., Granskog, M.A., Papakyriakou, T.N., Galley, R., Barber, D.G., 2006, Surface Albedo Observations of Hudson Bay (Canada) Landfast Sea Ice During Melt Onset, *Annals of Glaciology* 44:23-29, American Geophysical Union Published

Eriksen, B., Bölter, M., Breen, K., Henry, G., Lévesque, E., Mattsson, J-E., Parker, C.L., S. Rayback, S., 2006, Environment and Site Descriptions of an Ecological Baseline Study in the Canadian Arctic: the Tundra Northwest Expedition 1999 (Nunavut and Northwest Territories, Canada), *Polarforschung* 73:77-88 Published

Ferguson, S.H., 2006, The Influences of Environment, Mating Habitat, and Predation on Evolution of Pinniped Lactation Strategies, *Journal of Mammalian Evolution* 13:63-82, Springer Netherlands Published

Ferguson, S.H., Higdon, J.W., 2006, How Seals Divide Up the World: Environmental, Life-History, and Conservation, *Oecologia* 150:318-329, Springer Published

Fisher, D., Dyke, A., Koerner, R., Bourgeois, J., Kinnard, C., Zdanowicz, C., De Vernal, A., Hillaire-Marcel, C., Savelle, J., Rochon, A., 2006, Natural Variability of Arctic Sea Ice Over the Holocene, *EOS Transactions* 87:273-280 American Geophysical Union Published

Fleming, L.E., Broad, K., Clement, A., Dewailly, É., Elmir, S., Knap, A., Pomponi, S.A., Smith, S., Solom, G., Walsh, P., 2006, Oceans and Human Health: Emerging Public Health Risks in the Marine Environment, *Marine Pollution Bulletin* 53:545-560, Elsevier, Accepted

Ford, J.D., Macdonald, J., Smit, B., Wandel, J., 2006, Vulnerability to Climate Change in Igloolik, Nunavut: What We Can Learn From the Past and Present, *Polar Record* 42:127-138, Cambridge University Press Published

Ford, J.D., Smit, B., Wandel, J., 2006, Vulnerability to Climate Change in the Arctic: a Case Study From Arctic Bay, Canada, *Global Environmental Change* 16:145-160, Elsevier Published

Fortier, D., Allard, M., Pivot, F., 2006, A Late-Holocene Record of Loess Deposition in Ice-Wedge Polygons Reflecting Wind Activity and Ground Moisture Conditions, Bylot Island, Eastern Canadian Arctic, *The Holocene* 16:635-646, SAGE Publications Published

Furgal, C.M., Seguin, J., 2006, Climate Change, Health and Community Adaptive Capacity: Lessons From the Canadian North, *Environmental Health Perspectives* 114:1964-1970, National Institute of Health Published

Heath, J.P., Gilchrist, H.G., Ydenberg, R.C., 2006, Regulation of Stroke Pattern and Swim Speed Across a Range of Current Velocities: Diving by Common Eiders Wintering in Polynyas in the Canadian Arctic, *The Journal of Experimental Biology*, 209:3974-3983, The Company of Biologists Published

Henton, J.A., Craymer, M.R., Ferland, R., Dragert, H., Mazzotti, S., Forbes, D.L., 2006, Crustal Motion and Deformation Monitoring of the Canadian Landmass, *Geomatica* 60: 173-191, Canadian Institute of Geomatics Published

Hwang, B., Barber, D.G., 2006, Pixel-Scale Evaluation of the SSM/I Sea Ice Algorithms in the Marginal Ice Zone During Early Fall Freeze-Up, *Hydrological Processes* 20:1909-1927, Wiley Inter-Science Published

Hwang, B.J., Ehn, J.K., Barber, D.G., 2006, Relationships Between Albedo and Microwave Emissions Over Thin Newly Formed Sea Ice During Fall Freeze-Up, *Geophysical Research Letters* 33, L17503, doi:10.1029/2006gl027300, American Geophysical Union Published

Jin, X., David, B., Papakyriakou, T.N., 2007, A New Clear-Sky Downward Longwave Radiative Flux Parameterization for Arctic Areas Based on Rawinsonde Data, *Journal of Geophysical Research* 111:D24, D24104, 10.1029/2005jd007039, American Geophysical Union Published

Kinghorn, A., Humphries, M.M., Outridge, P.M., Chan, H.M., 2006, Reconstructing Historical Mercury Exposure From Beluga Whale Consumption Among Inuit in the Mackenzie Delta, *Journal of Ethnobiology* 26:310-326, Bioone Published

Kirk, J.L., 2006, Potential Sources of Monomethyl Mercury in Arctic and Subarctic Seawater, *Arctic* 59:108-111, Arctic Institute of North America Published

Kirk, J.L., St. Louis, V.L., Sharp, M.J., 2006, Rapid Reduction and Reemission of Mercury Deposited Into Snowpacks During Atmospheric Mercury Depletion Events At Churchill, Manitoba, *Environmental Science & Technology* 40:7590-7596, American Chemistry Society Publications Published

Krebs, C.J., Berteaux, D., 2006, Problems and Pitfalls in Relating Climate Variability to Population Dynamics, *Climate Research* 32:143-149, Inter-Research Published

Laidler, G.J., 2006, Inuit and Scientific Perspectives on the Relationship Between Sea Ice and Climate: the Ideal Complement?, *Climatic Change* 78:407-444, Climatic Change Published

Lamoureux, S.F., McDonald, D.M., Cockburn, J.M.H., Lafrenière, M.J., Atkinson, D., Treitz, P., 2006, An Incidence of Multi-Year Sediment Storage on Channel Snowpack in the Canadian High Arctic, *Arctic* 59:381-390, Arctic Institute of North America Published

Langlois, A., Barber, D.G., Hwang, B.J., 2006, Development of a Winter Snow Water Equivalent Algorithm Using in Situ Passive Microwave Radiometry Over Snow Covered First-Year Sea Ice, *Remote Sensing of Environment* 106:75-88, doi:10.1016/J.Rse.2006.07.018, Elsevier Published

Lavoie, C., Pienitz, R., Allard, M., 2006, Diatom Flora of the Nastapoka River Delta : an Emerging Coastal System on the Eastern Shore of Hudson Bay, Subarctic Québec, *Nova Hedwigia* 83:31-51, BGR Publications Published

Leblanc, A.M., Fortier, R., Cosma, C., Allard, M., 2006, Tomographic Imaging of Permafrost Using Three-Component Seismic Cone-Penetration Test, *Geophysics* 71:H55-H65, Society of Exploration Geophysicists Published

Loseto, L.L., Richard, P., Orr, J., Stern, G.A., Ferguson, S.H., 2006, Segregation of Beaufort Sea Beluga Whales During the Open-Water Season, *Canadian Journal of Zoology* 84:1743-1751, NRC Research Press Published

Mckinnon, L., Gilchrist, H.G., Scribner, K. T., 2006, Genetic Evidence for Kin-Based Female Social Structure in Common Eiders (*Somateria mollissima*), *Behavioral Ecology* 17:614-621, Oxford University Press Published

Mueller, D.R., Vincent W.F., 2006, Microbial Habitat Dynamics and Ablation Control on the Ward Hunt Ice Shelf, *Hydrological Processes* 20:857-876, Wiley Inter-Science Published

Mueller, D.R., Vincent, W.F., Jeffries, M.O., 2006, Environmental Gradients, Fragmented Habitats and Microbiota of a Northern Ice Shelf Cryo-Ecosystem, Arctic, Antarctic, and Alpine Research 38:593-607, Institute of Arctic and Alpine Research Published

Nawri, N., and Stewart, R.E., 2006, Climatological Features of Orographic Low-Level Jets Within Frobisher Bay, Atmosphere-Ocean 44:397-413, Canadian Meteorological and Oceanographic Society Published

Omelson, C.R., Pollard, W.H., Ferris, F.G., 2006, Environmental Controls on Microbial Colonization of High Arctic Cryptoendolithic Habitats, Polar Biology 30:19-29, doi:10.1007/S00300-006-0155-0, Springer Published

Prowse, T.D., Wrona, F.J., Reist, J.D., Hobbie, J.E., Levesque, L.M.J., Vincent, W.F., 2006, Climate Change Effects on Hydroecology of Arctic Freshwater Ecosystems, Ambio 35:347-358, Royal Swedish Academy of Sciences Published

Prowse, T.D., Wrona, F.J., Reist, J.D., Hobbie, J.E., Levesque, L.M.J., Vincent, W.F., 2006, Historical Changes in Arctic Freshwater Ecosystems, Ambio 35:339-346, Royal Swedish Academy of Sciences Published

Rautio, M., Vincent, W.F., 2006, Benthic and Pelagic Food Resources for Zooplankton in Shallow High-Latitude Lakes and Ponds, Freshwater Biology 51:1038-1052, Blackwell Publishing Published

Rautio, M., Vincent, W.F., 2006, Isotopic Analysis of the Sources of Organic Carbon for Zooplankton in Shallow Subarctic and Arctic Waters, Ecography 30:77-87, Blackwell Publishing Published

Rayback, S.A., Henry, G.H.R., 2006, Reconstruction of Summer Temperature for a Canadian High Arctic Site From Retrospective Analysis of the Dwarf Shrub, *Cassiope tetragona*, Arctic, Antarctic and Alpine Research 38:228-238, Institute of Arctic and Alpine Research Published

Reist, J.D., Wrona, F.J., Prowse, T.D., Dempson, J.B., Power, M., Köck, G., Carmichael, T.J., Sawatzky, C.D., Lehtonen, H., Tallman, R.F., 2006, Effects of Climate Change and UV Radiation on Fisheries for Arctic Freshwater and Anadromous Species, Ambio 35:402-410, The Royal Swedish Academy of Sciences Published

Reist, J.D., Wrona, F.J., Prowse, T.D., Power, M., Dempson, J.B., Beamish, R.J., King, J.R., Carmichael, T.J., Sawatzky, C.D., 2006, General Effects of Climate Change on Arctic Fishes and Fish Populations, Ambio 35:370-380, The Royal Swedish Academy of Sciences Published

Reist, J.D., Wrona, F.J., Prowse, T.D., Power, M., Dempson, J.B., King, J.R., Beamish, J.R. 2006, An Overview of the Effects of Climate Change on Selected Arctic Freshwater and Anadromous Fishes, Ambio 35:381-387, The Royal Swedish Academy of Sciences Published

Rinke, A., Maslowski, W., Dethloff, K., Clement, J.L., 2006, Influence of Sea Ice on the Atmosphere: a Study With an Arctic Regional Climate Model, *Journal of Geophysical Research (Atmospheres)* 111:D16103, doi:10.1029/2005jd006957, American Geophysical Union Published

Smit, B., Wandel, J., 2006, Adaptation, Adaptive Capacity and Vulnerability, *Global Environmental Change* 16:282-292, Elsevier Published

Sushama, L., Laprise, R., Allard, M., 2006, Modeled Current and Future Soil Thermal Regime for Northeast Canada, *Journal of Geophysical Research*, D18111, doi:10.1029/2005jd007027, American Geophysical Union Published

Tremblay, J.-É., Gosselin, M., Hobson, K.A., Michel, C., Gratton, Y., Price, N.M., 2006, Bloom Dynamics in Early-opening Waters of the Arctic Ocean, *Limnology and Oceanography* 51:900-912, American Society of Limnology and Oceanography Published

Tremblay, J.-É., Hattori, H., Michel, C., Ringuette, M., Mei, Z.-P., Lovejoy, C., Fortier, L., Hobson, K.A., Amiel, D., Cochran, K., 2006, Trophic Structure and Pathways of Biogenic Carbon Flow in the Eastern North Water Polynya, *Progress in Oceanography* 71:402-425, Elsevier Published

Tremblay, M., Furgal, C., Et Al., 2006, Climate Change in Northern Quebec: Adaptation Strategies From Community-Based Research, *Arctic* 61:37-34, Arctic Institute of North America Published

Van Hove, P., Belzile, C., Gibson, J.A.E., Vincent, W.F., 2006, Coupled Landscape-Lake Evolution in the Coastal High Arctic, *Canadian Journal of Earth Sciences* 43:533-546, NRC Research Press Published

Wrona, F.J., Prowse, T.D., Reist, J.D., Hobbie, J.E., Lévesque, L.M.J., Vincent, W.F., 2006, Climate Change Effects on Aquatic Biota, Ecosystem Structure and Function, *Ambio* 35:359-369, Royal Swedish Academy of Sciences Published

Wrona, F.J., Prowse, T.D., Reist, J.D., Hobbie, J.E., Levesque, L.M.J., Macdonald, R.W., Vincent, W.F., 2006, Effects of Ultraviolet Radiation and Contaminant-Related Stressors on Arctic Freshwater Ecosystems, *Ambio* 35:388-401, Royal Swedish Academy of Sciences Published