

2010 Refereed Publications / Articles publiés avec comité de lecture

Allard, K.A., Gilchrist, G.H., Breton, A.R., 2010, Apparent Survival of Adult Thayer's and Glaucous Gulls Nesting Sympatrically in the Canadian High Arctic, ARDEA 98:43-50, Netherlands Ornithologists' Union Published

Andrachuk, M., Pearce, T., 2010, Vulnerability and Adaptation in Two Communities in the Inuvialuit Settlement Region, Community Vulnerability and Adaptation in Arctic Regions, Springer Accepted

Beatty, K.C., Holland, D.M., 2010, Modeling Landfast Sea Ice by Adding Tensile Strength, Journal of Physical Oceanography 40:185-198, American Meteorology Society Published

Beaumier, M., Ford, J.D., 2010, Food Insecurity Among Inuit Females Exacerbated By Socio-Economic Stresses and Climate Change, Canadian Journal of Public Health, Canadian Public Health Association Accepted

Bélanger, C., Gratton, Y., Dumont, D., Forest, A., Fortier, L., 2010, Observations of Remote-Wind-Induced Pulses of Current Under Ice Cover in the Canadian Beaufort Shelf Region, Geophysical Research Letters, American Geophysical Union Submitted

Ben Mustapha, S., Larouche, P., Bélanger, S., 2010, Evaluation and Development of Ocean Color Algorithms in the Amundsen Gulf : New Parameterization Using Seawifs, MODIS and MERIS Spectral Bands, International Journal of Remote Sensing, Remote Sensing Society Submitted

Benoit D., Simard, Y., Gagné, J., Geoffroy, M., Fortier, L., 2010, From Polar Night to Midnight Sun: Photoperiod, Seal Predation, and the Diel Vertical Migrations of Polar Cod (*Boreogadus saida*) Under Landfast Ice in the Arctic Ocean, Polar Biology, Springer Accepted

Berkes, F., Armitage, D., 2010, Co-Management Institutions, Knowledge and Learning: Adapting to Change in the Arctic, Études/Inuit Studies, Faculté des Sciences Sociales de l'Université Laval Accepted

Beylich, A.A., Lamoureux, S.F., Decaulne, A., 2010, Developing Quantitative Frameworks for Studies on Sedimentary Fluxes and Budgets in Changing Cold Environments, Polish Polar Research, Committee on Polar Research of the Polish Academy of Sciences Accepted

Bouchard, C., Fortier, L., 2010, Circum-Arctic Comparison of the Hatching Season of Polar Cod (*Boreogadus saida*): a Test of the Freshwater Winter Refuge Hypothesis, Progress in Oceanography, Elsevier Submitted

Bremond, L., Carcaillet, C., Favier, C., Ali, A.A., Paitre, C., Bégin, Y., Bergeron, Y., Richard, P.J.H., 2010, Effects of Vegetation Type and Climatic Changes on Fire-Induced Atmospheric Carbon Emissions: a Model Based on Paleo-Data, *Journal of Wildland Fire*, CSIRO Publishing Accepted

Carrie, J., Wang, F., Sanei, H, Macdonald, R.W., Outridge, P.M., Stern, G.A., 2010, Increasing Contaminant Burdens in an Arctic Fish, Burbot (*Lota lota*), in a Warming Environment, *Environmental Science & Technology* 44:316-322, American Chemical Society Published

Chavarie, L., Dempson, J.D., Schwarz, C.J., Reist, J.D., Power, G., Power, M., 2010, Latitudinal Variation in Growth Among Arctic Charr in Eastern North America: Evidence for Countergradient Variation? *Hydrobiologia* Publsiehd Online, doi:10.1007/S10750-009-0043-Z, Springer Published

Côté, G., Pienitz, R., Velle, G., Wang, X., 2010, Impact of Geese on the Limnology of Lakes and Ponds From Bylot Island (Nunavut, Canada), *International Review of Hydrobiology* 95:105-129, Wiley Inter-Science, Published

Couture, N.J., Pollard, W.H., Olynyk, D., Lantuit, H., 2010, Physical Threats to Cultural Resources and Infrastructure on Herschel Island, Yukon, Canada, *Polar Geography and Geology*, Silver Spring Submitted

Couturier, S., Otto, R.D., Côté, S.D., Luther, G., Mahoney, S.P., 2010, Body Size Variations in Caribou Ecotypes and Relationships With Demography, *Journal of Wildlife Management* 74:395-404, The Wildlife Society Published

Denneler, B., Bergeron, Y., Bégin, Y., 2009, Flooding Effect on Tree-Ring Formation of Riparian Eastern White-Cedar (*Thuja occidentalis* L.), Northwestern Quebec, *Tree Ring Research* 66:3-17, The Tree-Ring Society Published

Descamps, S., Yoccoz, N.G., Gaillard, J-M., Gilchrist, G.H., Erikstad, K.E., Hanssen, S.A., Cazelles, B., Forbes, M.R., Bêty, J., 2010, Detecting Population Heterogeneity in Effects of North Atlantic Oscillations on Seabird Body Condition: Get Into the Rhythm, *Oikos* doi:10.1111/j.1600-0706.2010.18508.x, Wiley Published

Dmitrenko, I. A., Kirillov, S.A., Tremblay, L.B., Bauch, D., Holemann, J.A., Krumpfen, T., Kassens, H., Wegner, C., Heinemann, G. and Schroder, D., 2010, The Arctic Ocean Atlantic Water Layer Impacts the Siberian Shelf Hydrography, *Journal of Geophysical Research*, doi:10.1029/2009jc006020, American Geophysical Union Accepted

Dumont, D., Gratton, Y., Arbetter, T.E., 2010, Modelling Wind-Driven and Ice Edge Processes During Polynya Events in Northern Baffin Bay, *Journal of Physical Oceanography*, doi:10.1175/2010jpo4292.1, American Meteorological Society Published

Egeland, G.M., Faraj, N., Osborne, G., 2010, Cultural, socioeconomic, and health indicators among Inuit preschoolers: Nunavut Inuit, Child Health Survey, 2007-2008. *Rural and Remote Health* 10: 1365, Circumpolar Special Issue: Human Health at the Ends of the Earth Published

Egeland, G.M., Pacey, A., Cao, Z., Sobol, I., 2010, Food insecurity among Inuit preschoolers: Nunavut Inuit Child Health Survey, 2007-2008. *Canadian Medical Association Journal* 182:243-248, Canadian Medical Association Published

Fast, P.L., Gilchrist, G.H., Clark, R.G., 2010, Nest-Site Materials Affect Nest-Bowl Use By Common Eiders (*Somateria mollissima*), *Canadian Journal of Zoology* 88:214-218, NRC Research Press Published

Ferland, J., Gosselin, M., Starr, M., 2010, Environmental Control of Summer Production in the Hudson Bay System: the Role of Stratification, *Marine System Hudson Bay Special Issue*, Elsevier Submitted

Festa-Bianchet, M., Ray, J.C., Boutin, S., Côté, S.D., Gunn, A., 2010, Caribou Conservation in Canada: an Uncertain Future, *Canadian Journal of Zoology*, Invited Paper, NRC Research Press Submitted

Flanagan, K.M., McCauley, E., 2010, Experimental Warming Increases CO₂ Saturation in a Shallow Prairie Pond, *Aquatic Ecology* doi:10.1007/s10452-010-9313-0, Springer Published

Ford, J.D., Bell, T., St. Hilaire-Gravel, D., 2010, Vulnerability of Community Infrastructure to Climate Change in Nunavut: a Case Study from Arctic Bay, *Community Adaptation and Vulnerability in Arctic Regions*, Springer Accepted

Ford, J.D., Pearce, T., 2010, What We Know, Do Not Know, Need to Know About Climate Change Vulnerability in the Western Canadian Arctic: a Systematic Literature Review, *Environmental Research Letters* 5(1), doi:10.1088/1748-9326/5/1/014008, IOP Publishing Published

Ford, J.D., Pearce, T., Duerden, F., Furgal, C., Smit, B., 2010, Climate Change Policy Responses for Canada's Inuit Population: the Importance of and Opportunities for Adaptation, *Global Environmental Change* 20:177-191, Elsevier Published

Forest, A., Bélanger, S., Sampei, M., Sasaki, H., Lalande, C., Fortier, L., 2010, Three-Year Assessment of Particulate Organic Carbon Fluxes in Amundsen Gulf (Beaufort Sea): Satellite Observations and Sediment Trap Measurements, *Deep Sea Research II* 57:125-142, Elsevier Published

Forest, A., Wassmann, P., Slagstad, D., Bauerfeind, E., Nöthig, E.-M., Klages, M., 2010, Relationships Between Primary Production and Vertical Particle Export At the Atlantic-Arctic Boundary (Fram Strait, HAUSGARTEN), *Polar Biology Special Issue: Impacts of Climate Warming on Polar Marine and Freshwater Ecosystems*, Springer Submitted

Franke, A., Setterington, M. A., Court, G.S., Birkholz, D. 2010. Long-Term Trends of Persistent Organochlorine Pollutants, Occupancy and Reproductive Success in Peregrine Falcons (*Falco peregrinus tundrius*) Breeding Near Rankin Inlet, Nunavut, Canada. Journal Article Submitted

Galloway, T., Young, T.K., Egeland, G.M., 2010, Emerging obesity among preschool-aged Canadian Inuit Children: The Nunavut Inuit Child Health Survey, 2007-2008, International Journal of Circumpolar Health 69:151-157, International Association of Circumpolar Health Publishers Published

Gantner, N., Muir, D.C., Iqaluk, D., Power, M., Reist, J.D., Babaluk, J.A., Meili, M., Borg, H., Hammar, J., Michaud, W.K., Dempson, J.B., Solomon, K.R., 2010, Mercury Concentrations in Landlocked Arctic Char (*Salvelinus alpinus*) From the Canadian High Arctic: Part II – Influence of Lake Biotic and Abiotic Characteristics on Geographical Trends in 27 Populations, Environmental Toxicology and Chemistry 28:633-643, Wiley Inter-Science Published

Gantner, N., Power, M., Iqaluk, D., Meili, M., Borg, H., Sundbom, M., Solomon, K.R., Lawson, G., Muir, D.C., 2010, Mercury Concentrations in Landlocked Arctic Char (*Salvelinus alpinus*) From the Canadian High Arctic: Part I - Insights From Trophic Relationships in 18 Lakes, Environmental Toxicology and Chemistry 28:621-632, Wiley Inter-Science Published

Grom, J., Pollard, W.H., Strachan, I., 2010, Microclimate of a Retrogressive Thaw Slump, Eureka Sound Lowlands, Ellesmere Island, Nunavut, Canada, Earth Surface Processes and Landforms, Wiley Inter-Science Submitted

Gruyer, N., Gauthier, G., Berteaux, D., 2010, Demography of Two Lemming Species on Bylot Island, Nunavut, Canada, Polar Biology 33:725-736, Springer Published

Han, G., Ohashi, K., Chen, N., Myers, P.G., Nunes, N., and Fischer, J., 2010, Decline and rebound of the Labrador Current 1993-2004: Monitoring ocean currents from altimetric and CTD data, J. Geophysical Research, American Geophysical Union Submitted

Hayek, J., Egeland, G.M., Weiler, H., 2010, Vitamin D status among Inuit preschoolers, Journal of Nutrition, American Society for Nutrition Accepted

Heath, J.P., Gilchrist, H.G., 2009, When Foraging Becomes Unprofitable: Energetics of Diving in Tidal Currents by Arctic Wintering Common Eiders, Marine Ecology Progress Series 403:279-290, Inter-Research Published

Hill, G.B., Henry, G.H.R., 2010, Responses of High Arctic Wet Sedge Tundra to Climate Warming Since 1980, Global Change Biology, Published
Online 26 Apr 2010, doi:10.1111/J.1365-2486.2010.02244.X, Blackwell Publishing
Published

Hochheim, P.U., Barber, D.G., 2010, Atmospheric Forcing of Sea Ice in Hudson Bay During the Fall Period, 1980-2005, *Journal of Geophysical Research* 115:C05009, doi:10.1029/2009jc005334, American Geophysical Union Published

Hovelsrud, G., West, J., Andrachuk, M., Smit, B., 2010, Community Adaptation and Vulnerability Integrated, *Community Vulnerability and Adaptation in Arctic Regions*, Springer Accepted

Hudson, J.G.M., Henry, G.H.R., 2010, Increased plant biomass in a High Arctic heath community from 1981 to 2008, *Ecology* 90:657-2663, *ESA Journals* Published

Hülse, P., Bentley, S.J., 2010, Climatic Controls on Sediment Discharge from a Subarctic River Since the Medieval Warm Period, *Journal of Marine Systems*, Elsevier Submitted

Iacozza, J., Barber, D.G., 2010, An Examination of Snow Redistribution Over Smooth Land-Fast Sea Ice, *Hydrological Processes* 24:850-865, Wiley Inter-Science Published

Johnson-Down, L., Egeland, G.M., 2010, Adequate Nutrient Intakes Are Associated with Traditional Food Consumption in Nunavut Inuit Children Aged 3–5 Years, *Journal of Nutrition* 140:1311-1316, American Society of Nutrition Published

Jungblut, A.D., Lovejoy, C., Vincent, W.F., 2010, Global Distribution of Cyanobacterial Ecotypes in the Cold Biosphere, *The ISME Journal* 4:191–202, Nature Published

Juul-Pedersen, T., Michel, C., Gosselin, M., 2010, Sinking Export of Particulate Organic Material from the Euphotic Zone in the Eastern Beaufort Sea, *Marine Ecology Progress Series*, Inter-Research Accepted

Kahlmeyer, E., Bentley, S.J., 2010, Patterns of Fjord Sediment Flux and Accumulation Along a High-Relief, Recently Glaciated Coastline, Torngat Mountains, Canada, *Canadian Journal of Earth Science*, National Research Council Submitted

Kirchman, D. L., Cottrell, M. T., Lovejoy, C., 2010, The Structure of Bacterial Communities in the Western Arctic Ocean as Revealed By Pyrosequencing of 16S rRNA Genes, *Environmental Microbiology*, 12(5), p. 1132-1143, Society and Blackwell Publishing Published

Koch, I., Nicholson, L., Sharp, M., 2010, Comparison of Climate Proxies in Short Ice Core Record Records From the Canadian Arctic With Observed Climate Records, *Annals of Glaciology*, International Glaciological Society Submitted

Kuzyk, Z.A, Macdonald, R.W., Sophia C., Johannessen, S.C., Gobeil, C., Stern, G.A., 2010, Biogeochemical Controls on PCB Deposition in Hudson Bay, *Environmental Science and Technology* 44:3280–3285, ACS Publications Published

Kuzyk, Z.A, Macdonald, R.W., Tremblay, J.E., Stern, G.A., 2010, Elemental and Stable Isotopic Constraints on River Influence and Patterns of Nitrogen Cycling and Biological Productivity in Hudson Bay, *Continental Shelf Research* 30:163-176, Elsevier Published

Lapoussière, A., Michel, C., Gosselin, M., Poulin, M., Martin, J., Tremblay, J.É., 2010, Primary Production and Sinking Export in the Hudson Bay System, *Marine Ecological Progress Series, Inter-Research* Submitted

Lapoussière, A., Michel, C., Gosselin, M., Starr, M., Poulin, M., 2010, Significance of Particle-Attached Bacteria for the Recycling and Export Material in the Hudson Bay System, *Journal of Marine Systems - Hudson Bay Special Issue, Elsevier* Submitted

Laurion, I., Vincent, W.F., Retamal, L., Dupont, C., Francus, P., Macintyre, S., Pienitz, R. 2010, Variability in Greenhouse Gas Emissions From Permafrost Thaw Ponds. *Limnology and Oceanography* 55:115-133, American Society of Limnology and Oceanography Published

Lewis, T., Lamoureux, S.F., 2010, Twenty-First Century Discharge and Sediment Yield Predictions in a Small High Arctic Watershed, *Global and Planetary Change* 71:27-41, Elsevier Published

Love, O.P., Gilchrist, G.H., Descamps, S., Semeniuk, C.A.D, Bêty, J., 2010, Pre-Laying Climatic Cues Can Time Reproduction to Optimally Match Offspring Hatching and Ice Conditions in an Arctic Marine Bird, *Oecologia, Springer* Accepted

Martin, J., Tremblay, J.É., Gagnon, J., Tremblay, G., Lapoussière, A., Jose, C., Poulin, M., Gosselin, M., Gratton, Y., 2010, Prevalence, Structure and Properties of Subsurface Chlorophyll Maxima in the Arctic Ocean, *Marine Ecology Progress Series, Wiley Inter-Research* Accepted

McKinnon, L., Smith, P.A., Nol, E., Martin, J.L., Doyle, F.I., Abraham, K.F., Gilchrist, G.H., Morrison, R.I.G., Bêty, J., 2010, Suitability of Artificial Nests, *Science* 328(5974):46-47, AAAS Published

Mckinnon, L., Smith, P.A., Nol, E., Martin, J.L., Doyle, F.I., Abraham, K.F., Gilchrist, H.G., Morrison, R.I., Bêty, J., 2010, Lower Predation Risk for Migratory Birds At High Latitudes. *Science*:327:326-327 Published

Medill, S., Derocher, A.E., Stirling, I., Lunn, N.J. , 2010, Reconstructing Reproductive Histories of Female Polar Bears (*Ursus Maritimus*) Using Cementum Patterns in Premolar Teeth, *Polar Biology* 33:115-124 Published

Mesquita, P.S., Wrona, F.J., Prowse, T.D., 2010, Benthic Invertebrate Communities of Upland Tundra Lakes and Their Relationship with Retrogressive Permafrost Thaw Slumps, *Journal of the North American Benthological Society, North American Benthological Society* Submitted

Mesquita, P.S., Wrona, F.J., Prowse, T.D., 2010, Effects of Retrogressive Permafrost Thaw Slumping on Sediment Chemistry and Submerge Macrophyte in Arctic Tundra Lakes, *Freshwater Biology* Published
Online: 7 Jun 2010, doi:10.1111/j.1365-2427.2010.02450.x, Wiley InterScience Published

Michaud, W.K., Dempson, J. B., Power, M., 2010, Changes in Growth Patterns of Wild Arctic Charr (*Salvelinus alpinus* L.) in Response to Fluctuating Environmental Conditions, *Hydrobiologia*, Doi 10.1007/S10750-010-0091-4, Springer Published

Michaud, W.K., Perry, R. C., Dempson, J. B., Shears, M., Power, M., 2010, Occurrence of Lake Chub (*Couesius plumbeus*, Agassiz) in Northern Labrador, *Canadian Field Naturalist*, Ottawa Field-Naturalists' Club Accepted

Morata, N., Poulin, M., Renaud, P.E., 2010, A Multiple Biomarker Approach to Tracking the Fate of an Ice Algal Bloom to the Sea Floor, *Polar Biology*, Springer Submitted

Mucci, A., Lansard, B., Miller, L.A., Papakyriakou, T.N., 2010, CO₂ Fluxes Across the Air-Sea Interface in the Southeastern Beaufort Sea: the Ice-Free Period, *Geophysical Research Letters* 115:C04003, doi:10.1029/2009jc005330, American Geophysical Union Published

Mundy, C.J., Ehn, J., Barber, D.G., Michel, C., 2010, Transmitted Spectral Irradiance Ratios for Non-Invasive Estimates of Microalgal Biomass in Landfast First-Year Sea Ice, *Limnology and Oceanography*, American Society of Limnology and Oceanography Submitted

Mundy, C.J., Gosselin, M., Starr, M., Michel, C., 2010, Riverine Export and the Effects of Circulation on Dissolved Organic Carbon in the Hudson Bay System, Canada, *Limnology and Oceanography* 55:315-323, American Society of Limnology and Oceanography Published

Outridge, P.M., Sanei, H., 2010, Does Organic Matter Degradation Affect the Reconstruction of Pre-Industrial Atmospheric Mercury Deposition Rates From Peat Cores? — a Test of the Hypothesis Using a Permafrost Peat Deposit in Northern Canada, *International Journal of Coal Geology* 83:73-81, Elsevier Published

Pacey, A., Nancarrow, T., and Egeland, G.M., 2010, Prevalence and risk factors for parental-reported oral health of Inuit preschoolers: Nunavut Inuit Child Health Survey, 20078-2008. *Rural and Remote Health, Circumpolar Special Issue: Human Health at the Ends of the Earth* 10:1368 Published

Pacey, A., Weiler, H., and Egeland, G.M., 2010, Low prevalence of iron deficiency anemia in Inuit preschoolers. *Public Health Nutrition*, The Nutrition Society Accepted

Pautler, B.G., Simpson, A.J., McNally, D.J., Lamoureux, S.F., Simpson, M.J., 2010, Arctic Permafrost Active Layer Detachments Stimulate Microbial Activity and Degradation of Soil Organic Matter, *Environmental Science and Technology* 44:4076-4086, American Chemical Society Published

Piepenburg, D., Archambault, P., Ambrose, W.G., Blanchard, A., Bluhm, B.A., Carroll, M.L., Conlan, K.E., Cusson, M., Feder, H.M., Grebmeier, J.M., Jewett, S.C., Lévesque, M., Petryashev, V.V., Sejr, M.K., Sirenko, B.I., and Włodarska-Kowalczyk, M., 2010, Towards a Pan-Arctic Inventory of the Species Diversity of the Macro- and Megabenthic Fauna of the Arctic Shelf Seas, *Marine Biodiversity*, Springer Submitted

Pogson, L., Tremblay, B., Lavoie, D., Michel, C., Vancoppenolle, M., 2010, Development and Validation of a One-Dimensional Snow-Ice-Algae Model Against Observations in Resolute Passage, Canadian Archipelago, *Journal Geophysical Research*, American Geophysical Union Submitted

Pollard, W.H., 2010, The Role of Massive Ground Ice in the Evolution of Holocene Landscapes, Eureka Sound Lowlands, Canadian High Arctic, *Canadian Journal of Earth Science*, NRC Research Press Submitted

Potvin, M., Lovejoy, C., 2010, Microbial Eukaryotic Endemicity and Invasions in the Arctic Ocean, *Journal of Biogeography*, Interscience Submitted

Poulin, M., Daugbjerg, N., Gradinger, R., Ilyash, L., Ratkova, T., Von Quillfeldt, C., 2010, The Pan-Arctic Biodiversity of Marine Phytoplankton and Sea-Ice Unicellular Eukaryotes: a First-Attempt Assessment, *Marine Biodiversity*, Springer Submitted

Poulin, M., Lundholm, N., Bérard-Therriault, L., Starr, M., Gagnon, R., 2010, Morphological and Phylogenetic Comparisons of *Neodenticula seminae* (*Bacillariophyta*) Populations Between the Subarctic Pacific and the Gulf of St. Lawrence, *European Journal of Phycology*, 45(2), p. 127-142 Accepted

Pratley, E., Furgal, C., Smit, B., 2010, Food Security and Environmental Change in the Context of Livelihood Transition in the Canadian Arctic: the Case of Arctic Bay, Nunavut, *Global Environmental Change*, *Global Environmental Change* Submitted

Pucko, M., Stern, G., Barber, D.G., Macdonald, R.W., Rosenberg, B., 2010, The International Polar Year (IPY) Circumpolar Flaw Lead (CFL) System Study: the Importance of Brine Processes for A- and Γ -Hexachlorocyclohexane (HCH) Accumulation/Rejection in Sea Ice, *Atmosphere-Ocean*, *Canadian Meteorological and Oceanographic Society* Submitted

Sanei, H., Outridge, P.M., Goodarzi, F., Wang, F., Armstrong, D., Warren, K., Fishback, L., 2010, Wet Deposition Mercury Fluxes in the Canadian Sub-Arctic and Southern Alberta, Measured Using an Automated Precipitation Collector Adapted to Cold Regions, *Atmospheric Environment* 44:1672-1681, Elsevier Published

Sibert, V., Zakardjian, B., Gosselin, M., Starr, M., Senneville, S., Leclainche, Y., 2010, 3D Bio-Physical Model of the Sympagic and Planktonic Productions in the Hudson Bay System, *Journal of Marine Systems Hudson Bay Special Issue*, Elsevier Submitted

Sibert, V., Zakardjian, B., Saucier, F.J., Gosselin, M., Senneville, S., Starr, M., 2010, Spatial and Temporal Variability of Ice-Algal Production in a 3D Ice–Ocean Model of the Hudson Bay, Hudson Strait and Foxe Basin System, Polar Research, Blackwell Publishing Accepted

Smit, B., Hovelsrud, G., Wandel, J., Andrachuk, M., 2010, Introduction to the CAVIAR Project and Framework, Community Vulnerability and Adaptation in Arctic Regions, Springer Accepted

Smith, P.A., Elliott K.H., Gaston, A.J., Gilchrist, H.G., 2009, Has Early Ice Clearance Leads to Increased Predation on Breeding Birds by Polar Bears?, Polar Biology Online doi:10.1007/S00300-010-0791-2, Springer Published

Smith, S.L., Romanovsky, V.E., Lewkowicz, A.G., Burn, C.R., Allard, M., Clow G.D., Yoshikawa, K. And Throop, J., 2010, Thermal State of Permafrost in North America – a Contribution to the International Polar Year, Permafrost and Periglacial Processes, Wiley Inter-Science Submitted

Smith, S.L., Romanovsky, V.E., Lewkowicz, A.G., Burn, C.R., Allard, M., Clow, G.D., Yoshikawa, K., Throop, J., 2010, Thermal State of Permafrost in North America – a Contribution to the International Polar Year, Permafrost and Periglacial Processes 21:117-135, Wiley Inter-Science Published

St. Hilaire-Gravel, D., Bell, T., Forbes, D.L., 2010, Raised Gravel Beaches as Proxy Indicators of Past Sea-Ice and Wave Conditions, Lowther Island, Canadian Arctic Archipelago, Arctic, Arctic Institute of North America Accepted

St-Laurent, P., Straneo, F., Dumais, J.-F., Barber, D.G., 2010, What Is the Fate of the River Waters of Hudson Bay?, Journal of Marine Systems, Elsevier Submitted

Sydneysmith, R., Andrachuk, M., Smit, B., Hovelsrud, G., 2010, Vulnerability and Adaptive Capacity in Arctic Communities, Adaptive Capacity: Building Environmental Governance in an Age of Uncertainty, Springer Accepted

Tarroux, A., Berteaux, D., Bêty, J., 2010, Northern Nomads: Ability for Extensive Movements in Adult Arctic Foxes, Polar Biology doi:10.1007/s00300-010-0780-5, Springer Published

Tarroux, A., Ehrich, D., Lecomte, N., Jardine, T., Bêty, J., Berteaux, D., 2010, Sensitivity of Stable Isotope Mixing Models to Variation in Isotopic Ratios: Evaluating Consequences of Lipid Extraction, Methods in Ecology and Evolution doi:10.1111/j.2041-210X.2010.00033.x, Wiley Inter-Science Published

Tremblay, B.L., Lévesque, E., 2010, Increasing Erect Woody Vegetation in the Canadian Eastern Arctic: a Case Study from the Forest – Shrub Tundra Transition Zone, Arctic, Antarctic and Alpine Research, Institute of Arctic and Alpine Research Submitted

Tremblay, B.L., Lévesque, E., 2010, Increasing Erect Woody Vegetation in the Canadian Eastern Arctic: a Case Study From the Forest – Shrub Tundra Transition Zone, Arctic, Antarctic and Alpine Research, Submitted

Valera, B., Dewailly, E., Poirier, P., 2010, Influence of N-3 Fatty Acids on Cardiac Autonomic Activity Among Nunavik Inuit Adults (Northern Quebec, Canada) Submitted

Valéry, L., Cadieux, M.-C., Gauthier, G., 2010, Spatial Heterogeneity of Primary Production as Both Cause and Consequence of Foraging Patterns of an Expanding Greater Snow Goose Colony, *Ecoscience* 17:9-19, Centre d'études nordiques (Université Laval) Published

Vancoppenolle, M., Timmermann, R., Ackley, S.F., Fichefet, T., Goosse, H., Heil, P., Lieser, J., Leonard, K.C., Nicolaus, M., Papakyriakou, T.N., Tison, J-L., 2010, Assessment of Radiation Forcing Data Sets for Large-Scale Sea Ice Models in the Southern Ocean, *Deep Sea Research II*, Elsevier Accepted

Varin, T., Lovejoy, C., Jungblut, A.D., Vincent, W.F., Corbeil, J., 2010, Metagenomic Profiling of Arctic Microbial Mat Communities As Nutrient Scavenging and Recycling Systems *Limnology and Oceanography*, American Society of Limnology and Oceanography Accepted

Vincent, W.F., 2010, Microbial ecosystem responses to rapid climate change in the Arctic, *The ISME Journal* 1–3, doi:10.1038/ismej.2010.108, The International Society for Microbial Ecology Published

Wang, F., Macdonald, R.W., Stern, G.A., Outridge, P.M., 2010, When Noise Becomes the Signal: Chemical Contamination of Aquatic Ecosystems Under a Changing Climate, *Marine Pollution Bulletin*, Elsevier Accepted

Young, K.L., Assini, J., Abnizova, A., De Miranda, N., 2010, Hydrology of Hillslope-Wetland Streams, Polar Bear Pass, Nunavut, Canada, *Hydrological Processes*, InterScience Submitted

Young, K.L., Labine, C., 2010, Summer Hydroclimatology of an Extensive Low-Gradient Wetland: Polar Bear Pass, Bathurst Island, Nunavut Canada, *Hydrology Research* Submitted

Zhao, J.P., Lia, T., Barber, D.G., Ren, J.P., Pucko, M., Lia, S.J., Lia, X., 2010, Attenuation of Lateral Propagating Light in Sea Ice Measured with an Artificial Lamp in Winter Arctic, *61(1)*, p. 6-12, Elsevier Published