

## 2008 Refereed Publications / Articles publiés avec comité de lecture

Barber, D.G., Lukovich, J.V., Keogak, J., Baryluk, S., Fortier, L., Henry, G.H.R., 2008, The Changing Climate of the Arctic, *Arctic* 61:7-21, Arctic Institute of North America Published

Bélangier, M.-C., Mirault, M.É., Dewailly, É., Berthiaume, L., Julien, P., 2008, Environmental Contaminants and Redox Status of Coenzyme Q10 and Vitamin E in an Inuit Population, *Metabolism* 57: 927-933, Elsevier Published

Belt, S.T., Massé, G., Vare, L.L., Rowland, S.J., Poulin, M., Sicre, M.-A., Sampei, M., Fortier, L., 2008, Distinctive <sup>13</sup>C Isotopic Signature Distinguishes a Novel Sea Ice Biomarker in Arctic Sediments and Sediment Traps, *Marine Chemistry* 112:158-167, Elsevier Published

Benoit D., Simard, Y., Fortier, L., 2008, Hydroacoustic Detection of Large Winter Aggregations of Arctic Cod (*Boreogadus saida*) At Depth in Ice-Covered Franklin Bay (Beaufort Sea), *Journal of Geophysical Research (Oceans)*, 113:C06s90, doi:10.1029/2007jc004276, American Geophysical Union Published

Bottos, E.M., Vincent, W.F., Greer, C.H., Whyte, L.G., 2008, Prokaryotic Diversity of Arctic Ice Shelf Microbial Mats, *Environmental Microbiology* 10:950-966, Blackwell Publishing Ltd, Published

Bouchard, C., Fortier, L., 2008, Impact of Polynyas on the Hatching Season, Early Growth and Survival of Polar Cod (*Boreogadus saida*) in the Laptev Sea, *Marine Ecology Progress Series* 355:247-256, Inter-Research Published

Calmels, F., Allard, M., 2008, Segregated Ice Structures in Various Heaved Permafrost Landforms Through CT-Scan, *Earth Surface Processes and Landforms* 33:209-225, John Wiley & Sons Published

Calmels, F., Allard, M., Delisle, G., 2008, Development and Decay of a Lithalsa in Northern Québec: a Geomorphological History, *Geomorphology* 97:287-299, Elsevier Published

Calmels, F., Delisle, G., Allard, M., 2008, Internal Structure and the Thermal and Hydrological Regime of a Typical Lithalsa: Significance for Permafrost Growth and Decay, *Canadian Journal of Earth Sciences* 45:31-43, NRC Research Press Published

Caplanne, S., Laurion, I., 2008, Effects of Chromophoric Dissolved Organic Matter on Epilimnetic Stratification in Lakes, *Aquatic Sciences* 70:1015-1621, Birkhäuser Basel, Published

Careau, V., Giroux, J.-F., Gauthier, G., Berteaux, D., 2008, Surviving on Cached Foods – the Energetics of Egg-Caching by Arctic Foxes, *Canadian Journal of Zoology* 86:1217-1223, NRC Research Press Published

Careau, V., Lecomte, N., Bêty, J., Giroux, J.-F., Gauthier, G., Berteaux, D., 2008, Food Hoarding of Pulsed Resources: Temporal Variations in Egg-Caching Behaviour of Arctic Fox, *Ecoscience* 15:268-276, Université Laval Published

Catto, N.R., Parewick, K., 2008, Hazard and Vulnerability Assessment and Adaptive Planning: Mutual and Multi-Lateral Community-Researcher Communication, Arctic and Atlantic Canada. In: Liverman, D. (Ed.), *Communicating Geoscience*. Geological Society of London, Special Publications 305:123-140, Geological Society of London Published

Chateau-Degat, M.L., Dewailly, É., Poirier, P., Gingras, S., Egeland, G.M., 2008, Comparison of Diagnostic Criteria of the Metabolic Syndrome in Three Ethnic Groups in Canada, *Metabolism* 57(11):1526-32, Elsevier Published

Chutko, K.J., Lamoureux, S.F., 2008, Identification of Coherent Links Between Interannual Sedimentary Structures and Daily Meteorological Observations in Arctic Proglacial Lacustrine Varves: Potentials and Limitations, *Canadian Journal of Earth Sciences* 45:1-13, NRC Press Published

Chutko, K.J., Lamoureux, S.F., 2009, Estimating Melt Season Characteristics At a Plateau Ice Cap: Model Sensitivity Between Fixed and Variable Vertical Lapse Rates, *International Journal of Climatology* 29:259-268, Royal Meteorological Society Published

Clark, D.A., Lee, D.S., Freeman, M.M.R., Clark, S.G., 2008, Polar Bear Conservation in Canada: Defining the Policy Problems, *Arctic* 61:347-360, The Arctic Institute of North America Published

Cockburn, J.M.H., Lamoureux, S.F., 2008, Hydroclimate Controls Over Seasonal Sediment Yield in Two Adjacent High Arctic Watersheds, *Hydrological Processes* 22:2013-2027, John Wiley & Sons Published

Cockburn, J.M.H., Lamoureux, S.F., 2008, Inflow and Lake Controls on Short-Term Mass Accumulation and Sedimentary Particle Size in a High Arctic Lake: Implications for Interpreting Varved Lacustrine Sedimentary Records, *Journal of Paleolimnology* 40:923-942, Springer Published

Colgan, W., Davis, J., Sharp, M., 2008, Is the High Elevation Region of the Devon Island Ice Cap Thickening? *Journal of Glaciology* 54:428-436, International Glaciology Society Published

Colgan, W., Sharp, M., 2008, Combined Oceanic and Atmospheric Influences on Net Accumulation on the Devon Island Ice Cap, Nunavut, Canada, *Journal of Glaciology* 54:28-40, International Glaciological Society Published

Conejeros, P., Phan, A., Power, M., Alekseyev, S., O'Connell, M., Dempson, J. B., Dixon, B., 2008, Mh Class II A Polymorphism in Local and Global Adaptation of Arctic Charr (*Salvelinus alpinus L.*), *Immunogenetics* 60:325-337, Elsevier Published

Counil, É., Château-Degat, M.L., Anassour-Laouan-Sidi, E., Julien, P., Lamarche, B., Dewailly, É., 2008, Confusion des Associations de Faible Intensité: Une Étude de Sensibilité de l'Association entre Acides Gras Trans et Facteurs de Risque Lipidiques dans La Population Inuit du Nord du Québec, *Revue d'Épidémiologie et de Santé Publique*, 56(HS II), p. 312, Elsevier Masson, Published

Counil, É., Dewailly, É., Anassour-Laouan-Sidi, E., Lamarche, B., Julien, P., 2008, Trans Fatty Acids and Serulipids in the Inuit of Nunavik: A Baseline Survey, *Circulation* 117, E273, Université Laval, Published

Counil, É., Dewailly, É., Bjerregaard, P., Julien, P., 2008, Trans-Polar-Fat: All Inuit Are Not Equal, *British Journal of Nutrition* 57:630-636, Cambridge University Press Published

Couture, N., Pollard, W.H., Olynyk, D., Lantuit, H., 2008, Physical Threats to Cultural Resources and Infrastructure on Herschel Island, Yukon, Canada, *Polar Research*, Blackwell Publishing Submitted

De Pascale, G., Pollard, W.H., Williams, K., 2008, Geophysical Mapping of Ground Ice Using a Combination of Capacitive Coupled Resistivity and Ground Penetrating Radar, Northwest Territories, Canada, *Journal of Geophysical Research – Earth Surface* 113: F02s90, doi:10.1029/2006jf000585, American Geophysical Union Published

Denneler, B., Asselin, H., Bergeron, Y., Bégin, Y., 2008, Decreased Fire Frequency and Increased Water Levels Affect Riparian Forest Dynamics in Southern Boreal Quebec, Canada, *Canadian Journal of Forest Research* 38:1083-1094, NRC Research Press Published

Dickey M.-H., Gauthier, G., Cadieux, M.-C., 2008, Climatic Effects on the Breeding Phenology and Reproductive Success of an Arctic-Nesting Goose Species, *Global Change Biology* 14:1973-1985, Wiley Inter-Science Published

Dmitrenko, I.A., Kirillov, S.A., Tremblay, L.B., 2008, The Long-Term and Interannual Variability of Summer Fresh Water Storage Over the Eastern Siberian Shelf: Implication for Climatic Change, *Journal of Geophysical Research* 13, C03007, doi:10.1029/2007jc004304, American Geophysical Union Published

Ehn, J., Mundy, C.J., Barber, D.G., 2008, Bio-optical and Structural Properties Inferred from Irradiance Measurements Within the Bottommost Layers in an Arctic Landfast Sea Ice Cover, *Journal of Geophysical Research* 113, C03S03, doi:10.1029/2007JC004194, American Geophysical Union Published

Ehn, J., Papakyriakou, T.N., Barber, D.G., 2008, Inference of Optical Properties from Radiation Profiles within Melting Sea Ice, *Journal of Geophysical Research* 113:C09024, doi:10.1029/2007JC004656, American Geophysical Union Published

Ellis, C.J., Rochefort, L., Gauthier, G., Pienitz, R. 2008, Paleoecological Evidence for Transitions between Contrasting Landforms in a Polygon-Patterned High Arctic Wetland, *Arctic, Antarctic and Alpine Research* 40:624-637, Institute of Arctic and Alpine Research Published

Else, B.G.T., Yackel, J.J., Papakyriakou, T.N., 2008, An Application of Satellite Remote Sensing Techniques for Estimating Air-Sea CO<sub>2</sub> Fluxes in Hudson Bay, Canada During the Ice-Free Season, *Remote Sensing of Environment* 112:3550-3562, Elsevier Published

Emmerton, C.A., Lesack, L.F.W., Vincent, W.F., 2008, Inorganic and Organic Nutrient Gradients in a Coastal Arctic System During Sea-Ice Recession: the Mackenzie River, Estuary and Shelf, *Journal of Marine Systems* 74: 741-755. doi:10.1016/J.jmarsys.2007.10.001, American Geophysical Union Published

Emmerton, C.A., Lesack, L.F.W., Vincent, W.F., 2008, Mackenzie River Nutrient Delivery to the Arctic Ocean and Effects of the Mackenzie Delta During Open Water Conditions, *Global Biogeochemical Cycles* 22:Gb1024, American Society of Limnology and Oceanography Published

Ford, J.D., 2008, Climate, Society, and Natural Hazards: Changing Hazard Exposure in Two Nunavut Communities, *The Northern Review* 28:51-71, Yukon College Published

Ford, J.D., 2008, Emerging Trends in Climate Change Policy: the Role of Adaptation, *International Public Policy Review* 2:5-16, *International Public Policy Review* Published

Ford, J.D., 2008, Vulnerability of Inuit Food Systems to Food Insecurity As a Consequence of Climate Change: a Case Study From Igloolik, Nunavut, *Regional Environmental Change*, 9:83-100, Springer Published

Ford, J.D., Pearce, T., Gilligan, J., Smit, B., Oakes, J., 2008, Climate Change and Hazards Associated With Ice Use in Northern Canada *Arctic, Antarctic and Alpine Research*, 40:647-659, Institute of Arctic and Alpine Research Published

Ford, J.D., Smit, B., Wandel, J., Allurut, M., Shappa, K., Ittusarjuat, H., Qrunnut, K., 2008, Climate Change in the Arctic: Current and Future Vulnerability in Two Inuit Communities in Canada, *Geographical Journal* 174:45-62, Wiley Inter-Science Published

Ford, J.D., 2008, Supporting Adaptation: a Priority for Action on Climate Change for Canadian Inuit, *Sustainable Development Law and Policy* 8:25-31, American University, Washington College of Law Published

Ford, J.D., 2008, Vulnerability of Inuit Food Systems to Food Insecurity As a Consequence of Climate Change: a Case Study From Igloolik, Nunavut, *Regional Environmental Change* 9:83-100, Springer Published

Forest, A., Sampei, M., Makabe, R., Sasaki, H., Barber, D.G., Gratton, Y., Wassmann, P., Fortier, L., 2008, The Annual Cycle of Particulate Organic Carbon Export in Franklin Bay (Canadian Arctic): Environmental Control and Food Web Implications, *Journal of Geophysical Research (Oceans)* 113:C03s05, doi:10.1029/2007jc004262, American Geophysical Union Published

Fortier, R., Leblanc, A-M., Allard, M., Buteau, S., Calmels, F., 2008, Internal Structure and Conditions of Permafrost Mounds At Umiujaq in Nunavik, Canada, Inferred From Field Investigation and Electrical Resistivity Tomography, *Canadian Journal of Earth Sciences* 45:367-387, Gac-Nrc Research Press Published

Freeman, M.M.R., 2008, Challenges Associated with Assessing Cetacean Population Recovery and Conservation Status, *Endangered Species Research* 6:173-184, Inter-Research Published

Gade, A., Harwood, L., Melling, H., Stern, G.A., and Ferguson, S.H., 2008, Organochlorine Contaminants in Ringed Seals (*Phoca hispida*) in the Western Canadian Arctic: Trends With Sea Ice, *Organohalogen Compounds* 70:1028-1031

Galand, P.E., Lovejoy, C., Hamilton, A., Ingram, R.G., Pedneault, E., Carmack, E.C., 2008, Archaeal Diversity and Biogeochemical Function Are Coupled to Oceanic Circulation, *Environmental Microbiology* 11:971-980, Blackwell Publishing Ltd Published

Galand, P.E., Lovejoy, C., Pouliot, J., Garneau M.-È., Vincent, W.F., 2008, Microbial Community Diversity and Heterotrophic Production in a Coastal Arctic Ecosystem: a Stamukhi Lake and Its Source Waters, *Limnology and Oceanography*, 53: 813-823, American Society of Limnology and Oceanography Published

Galand, P.E., Lovejoy, C., Pouliot, J., Vincent, W.F., 2008, Heterogeneous Archaeal Communities in the Particle-Rich Environment of an Arctic Shelf Ecosystem, *Journal of Marine Systems* 74: 774-782, Elsevier Published

Galley, R.J., Key, E., Barber, D., Hwang, B.J., Ehn, J.K., 2008, Spatial and Temporal Variability of Sea Ice in the Southern Beaufort Sea and Amundsen Gulf: 1980-2004, *Journal of Geophysical Research* 113:C05S95, doi:10.1029/2007JC004553, American Geophysical Union Published

Garneau, M.-È., Roy, S., Lovejoy, C., Gratton, Y., Vincent, W.F., 2008, Seasonal Dynamics of Bacterial Biomass and Production in a Coastal Arctic Ecosystem: Franklin Bay, Western Canadian Arctic, *Journal of Geophysical Research - Oceans* 113, C07s91, American Geophysical Union Published

Garneau, M.-È., Vincent, W.F., Terrado, R., Lovejoy, C., 2008, Importance of Particle-Associated Bacterial Heterotrophy in a Coastal Arctic Ecosystem, *Journal of Marine Systems* 75:185-197, Elsevier Published

- Gruyer, N., Gauthier, G., Berteaux, D., 2008, Cyclic Dynamics of Sympatric Lemming Populations on Bylot Island, Nunavut, Canada, *Canadian Journal of Zoology* 86:910-917, NRC Research Press Published
- Hare, A., Stern, G.A., Macdonald, R.M., Kuzyk, Z.A., Wang, F., 2008, Contemporary and Pre-Industrial Mass Budgets of Mercury in the Hudson Bay Marine System: the Role of Sediment Recycling, *Science of the Total Environment* 406:190-204, Elsevier Published
- Higdon, J.W., Bininda-Emonds, O.R.P., Beck, R.M.D., Ferguson, S.H., 2008, Correction: Phylogeny and Divergence of the Pinnipeds (*Carnivora: Mammalia*) Assessed Using a Multigene Dataset, *BMC Evolutionary Biology* 8:216, BioMed Central Published
- Holland, M.M., Tremblay, B., Bailey, D., Bitz, C.M., 2008, The Role of Natural Versus Forced Changes in Future Rapid Summer Arctic Ice, *Geophysical Monograph Series* 180:133-150, American Geophysical Union Published
- Hwang, B.J., Barber, D.G., 2008, On the Impact of Ice Emissivity on Ice Temperature Retrieval Using Passive Microwave Radiance Data, *Geoscience and Remote Sensing Letters IEEE* 5:448-452, IEEE Published
- Hwang, B.J., Ehn, J.K., Barber, D.G., 2008, Impact of Ice Temperature on Microwave Emissivity of Thin Newly Formed Sea Ice during Fall Freeze-up, *Journal of Geophysical Research* 113:C02021, doi:10.1029/2006JC003930, American Geophysical Union Published
- Juul-Pedersen, T., Michel, C., Gosselin, M., 2008, Influence of the Mackenzie River Plume on the Sinking Export of Particulate Material on the Shelf, *Journal of Marine Systems* 74:810-824, Elsevier Published
- Kinghorn, A., Humphries, M.M., Outridge, P.M., Chan, H.M., 2008, Teeth As Biomonitors of Selenium Concentrations in Tissues of Beluga Whales (*Delphinapterus leucas*), *Science of the Total Environment* 402:43-52, Elsevier Published
- Kinnard, C., Koerner, R.M., Zdanowicz, C.M., Fisher, D.A., Zheng, J., Sharp, M.J., Nicholson, L., Lauriol, B. 2008, Stratigraphic Analysis of an Ice Core From the Prince of Wales Icefield, Ellesmere Island, Arctic Canada, Using Digital Image Analysis: High-Resolution Density, Past Summer Warmth Reconstruction, and Melt Effect on Ice Core Solid Conductivity. *Journal of Geophysical Research* 113: D24120, doi:10.1029/2008jd011083, American Geophysical Union Published
- Kirk, J.L., St. Louis, V.L., Hintelmann, H., Lehnerr, I., Else, B.G.T., Poissant, L. (2008) Methylated Mercury Species in Marine Waters of the Canadian High and Sub Arctic, *Environmental Science & Technology* 42:8367-8373, American Chemistry Society Publications Published

Kuzyk, Z.A. Goni, M.A., Stern, G.A., Macdonald, R.W., 2008, Sources, Pathways and Sinks of Particulate Organic Matter in Hudson Bay: Evidence From Ligning Distributions, *Marine Chemistry* 112:215-229, Elsevier Published

Kuzyk, Z.A., Macdonald, R.W., Granskog, M.A., Scharien, R.K., Galley, R.J., Michel, C., Barber, D.G., Stern, G.A., 2008, Sea Ice, Hydrological, and Biological Processes in the Churchill River Estuary Region, Hudson Bay, *Estuarine, Coastal and Shelf Science* 77:369-384, Elsevier Published

Lafrenière, M.J., Lamoureux, S.F., 2008, Seasonal Dynamics of Dissolved Nitrogen Exports From Two High Arctic Watersheds, Melville Island, Canada, *Hydrological Research* 39:324-335, IWA Publishing Published

Laidre, K.L., Stirling, I., Lowry, L.F., Wiig, Ø., Heide-Jørgensen, M.P., Ferguson, S.H., 2008, Quantifying the Sensitivity of Arctic Marine Mammals to Climate-Induced Habitat Change, *Ecological Applications* 18:S97-125, Ecological Society of America Published

Lajeunesse, P., 2008, Early Holocene Deglaciation of the Eastern Coast of Hudson Bay, *Geomorphology* 99:341-352, Elsevier Published

Lajeunesse, P., St-Onge, G., 2008, The Subglacial Origin of the Lake Agassiz-Ojibway Final Outburst Flood, *Nature Geoscience* 1:184-188, Nature Published

Langlois, A., Fisico, T., Barber, D.G., Papakyriakou, T.N., 2008, Response of Snow Thermophysical Processes to the Passage of a Polar Low-Pressure System and Its Impact on in Situ Passive Microwave Radiometry: a Case Study, *Journal of Geophysical Research* 113:C03s04, doi:10.1029/2007jc004197, American Geophysical Union Published

Lantuit, H., Pollard, W.H., 2008, Fifty Years of Coastal Erosion and Retrogressive Thaw Slump Activity on Herschel Island, Southern Beaufort Sea, Yukon Territory, Canada, *Geomorphology* 95:84-102, Elsevier Published

Lavoie, C., Hill, P.R., Allard, M. St-Onge, G., Lajeunesse, P., 2008, High-Resolution Seismo-Stratigraphy and Sedimentological Properties of Late and Postglacial Sediments in Lac Guillaume-Delisle Estuary and Nastapoka Sound, Eastern Hudson Bay, *Canadian Journal of Earth Science* 45:427-441, NRC Research Press Published

Lavoie, É., Lévesque, B., Proulx, J.F. et al., 2008, Évaluation du Programme de Dépistage de la Toxoplasmose chez les Femmes Enceintes du Nunavik, 1994-2003, *Canadian Journal of Public Health* 99:397-400, Canadian Public Health Association Published

Lecomte, N., Careau, V., Gauthier, G., Giroux, J.-F., 2008, Predator Behaviour and Predation Risk in the Heterogeneous Arctic Environment, *Journal of Animal Ecology* 77:439-447, Blackwell Publishing Published

Lemay, M., Bégin, Y., 2008, Hydroclimatic Analysis of an Ice-Scar Tree-Ring Chronology of a High-Boreal Lake in Northern Quebec, Canada, *Hydrology Research* 39:451-464, IWA Publishing Published

Lemieux, J.F., Tremblay, L.B., Sedlacek, J., Tupper, P., Thomas, S., Huard, D., Auclair, J.P., 2010, Improving the Numerical Convergence of Viscous-Plastic Sea Ice Models With the Jacobian-Free Newton-Krylov Method, *Journal of Geophysical Research* 113:C10004, doi:10.1029/2007jc004680, American Geophysical Union Published

Loseto, L.L., Stern, G.A., Deibel, D., Connelly, T.L., Prokopowicz, A., Lean, D.R.S., Fortier, L., Ferguson, S.H., 2008, Linking Mercury Exposure to Habitat and Feeding Behaviour in Beaufort Sea Beluga Whales, *Journal of Marine Systems* 74:1012-1024, Elsevier Published

Loseto, L.L., Stern, G.A., Ferguson, S.H., 2008, Size and Biomagnification: How Habitat Selection Explains Beluga Mercury Levels, *Environmental Science and Technology* 42:3982-3988, American Chemistry Society Publications Published

Macdonald, R.W., Wang, F., Stern, G.A., Outridge, P.M., 2008, The Overlooked Role of the Ocean in Mercury Cycling in the Arctic, *Marine Pollution Bulletin* 56:1963-1965, Elsevier Published

Macnab, R., 2008, Re-Thinking Arctic Navigation: the Trans-Polar Route, *Canadian Hydrographic Association Lighthouse Journal* 72:9-10, Canadian Hydrographic Association Published

Michaud, W.K., Power, M., Kinnison, M., 2008, Trophically Mediated Divergence of Arctic Charr (*Salvelinus alpinus* L.) Populations in Contemporary Time, *Evolutionary Ecology Research* 10:1051-1066, Evolutionary Ecology, Ltd Published

Nawri, N., Stewart, R.E., 2008, Channelling of High-Latitude Boundary Layer Flow Over Complex Terrain, *Nonlinear Processes in Geophysics* 15:33-52, European Geosciences Union Published

Outridge, P.M., Sanei, H., Stern, G.A. Hamilton, P.B. Goodarzi, F., 2008, A Mass Balance Inventory of Mercury in the Arctic Ocean, *Environmental Chemistry* 5:89-111, CSIRO Publishing Published

Peterson, I.K., Prinsenber, S.J., Holladay, S., 2008, Observation of Sea Ice Thickness, Surface Roughness and Ice Motion in Amundsen Gulf, *Journal of Geophysical Research* 113:C06016, doi:10.1029/2007jc004456, American Geophysical Union Published

Prinsenber, S.J., I.K. Peterson, Holladay, S., 2008, Measuring the Thicknesses of the Freshwater-Layer Plume and Sea Ice in the Land-Fast Ice Region of the Mackenzie Delta Using Helicopter-Borne Sensors, *Journal of Marine Systems* 74:783-793, Elsevier Published



Prinsenbergh, S.J., R. Pettipas, 2008, Ice and Ocean Mooring Data Statistics From the Barrow Strait the Central Section of the Canadian Arctic Archipelago, *International Journal of Offshore and Polar Engineering* 18:1-5, The International Society of Offshore and Polar Engineers Published

Retamal, L., Bonilla, S., Vincent, W.F., 2008, Optical Gradients and Phytoplankton Production in the Mackenzie River and Coastal Beaufort Sea, *Polar Biology*, 31:363–379, Springer Published

Richerol, T., Rochon, A., Blasco, S., Scott, D.B., Schell, T.M., and Bennett, R.J., 2008, Evolution of Paleo Sea-Surface Conditions Over the Last 600 Years in the Mackenzie Trough, Beaufort Sea (Canada), *Marine Micropaleontology* 68:6-20, Elsevier, Published

Richerol, T., Rochon, A., Blasco, S., Scott, D.B., Schell, T.M., Bennett, R.J., 2008, Distribution of Dinoflagellate Cysts in Surface Sediments of the Mackenzie: Shelf and Amundsen Gulf, Beaufort Sea (Canada), *Journal of Marine Systems* 74:825-839, Elsevier Published

Roberts, E., Nawri, N., Stewart, R.E., 2008, On the Storms Passing Over Southern Baffin Island during Autumn 2005, *Arctic* 61:309-321, The Arctic Institute of North America Published

Roberts, E., Stewart, R.E., 2008, On the Occurrence of Freezing Rain and Ice Pellets Over the Eastern Canadian Arctic, *Atmospheric Research* 89:93-109, Elsevier Published

Rolland, N., Larocque, I., Francus, P., Pienitz, R., Laperrière, L. 2008, Holocene Climate Inferred From Biological (Diptera: Chironomidae) Analyses in a Southampton Island (Nunavut, Canada) Lake, *The Holocene* 18:229-241, SAGE Publications Published

Rostand, V., Le Roux, D.Y., Carey, G.F., 2008, Kernel Analysis of the Discretized Finite Difference and Finite Element Shallow-Water Models, *SIAM Journal on Scientific Computing* 31:531-556, Society for Industrial and Applied Mathematics (Siam) Published

Schell, T.M., Moss, T.M., Scott, D.B., Rochon, A., 2008, Paleo-Sea Ice Conditions of the Amundsen Gulf, Canadian Arctic Archipelago: Indications From the Foraminiferal Record of the Last 200 Years, *Journal of Geophysical Research* 113:C03s02, doi:10.1029/2007jc004202, American Geophysical Union Published

Schell, T.M., Scott, D.B., Rochon, A., Blasco, S., 2008, Late Quaternary Paleoceanography and Paleo-Sea Ice Conditions in the Mackenzie Trough and Canyon, Beaufort Sea, *Canadian Journal of Earth Sciences* 45:283–1297, NRC Press Published

Scott, D.B., Schell, T.M., Rochon, A., Blasco, S., 2008, Modern Benthic Foraminifera in the Surface Sediments of the Beaufort Shelf, Slope and Mackenzie Trough, Beaufort Sea, Canada: Distributions and Taxonomy, *Journal of Foraminiferal Research* 38:228-250, Cushman Foundation for Foraminiferal Research, Published

Straneo, F., Saucier, F.J., 2008, The Outflow From Hudson Strait and Its Contribution to the Labrador Current, *Deep Sea Research Part I* 55:926-946, Elsevier Published

Suluk, T.K., Blakney, S. L., 2008, Land Claims and Resistance to the Management of Harvester Activities in Nunavut, *Arctic* 61:62-70, The Arctic Institute of North America Published

Szor, G., Berteaux, D., Gauthier, G., 2008, Finding the Right Home: Distribution of Food Resources and Terrain Characteristics Influence Selection of Denning Sites and Reproductive Dens in Arctic Foxes, *Polar Biology* 31:351-362, Springer Published

Terrado, R., Lovejoy, C., Massana, R., Vincent, W.F., 2008, Microbial Responses to Light and Nutrients Beneath Arctic Sea Ice During the Winter Spring Transition, *Journal of Marine Systems* 74: 964-977, Elsevier Published

Tremblay, J.-É., Simpson, K., Martin, J., Miller, L., Gratton, Y. and Price, N.M., 2008, Vertical Stability and the Annual Dynamics of Nutrients and Chlorophyll Fluorescence in the Coastal Southeast Beaufort Sea, *Journal of Geophysical Research* 113, C07S90, doi:10.1029/2007JC004547, American Geophysical Union Published

Vallières, C., Retamal, L., Osburn, C., Vincent, W.F., 2008, Bacterial Production and Microbial Food Web Structure in a Large Arctic River and the Coastal Arctic Ocean, *Journal of Marine Systems* 74: 756-773, Elsevier Published

Van Hove, P., Vincent, W.F., Galand, P.E., Wilmotte, A., 2008, Abundance and Diversity of Picocyanobacteria in High Arctic Lakes and Fjords, *Algological Studies* 126: 209-227, E. Schweizerbart Science Publishers Published

Veillette, J., Mueller, D.R., Antoniadis, D., Vincent, W.F., 2008, Arctic Epishelf Lakes As Sentinel Ecosystems: Past, Present and Future, *Journal of Geophysical Research* 113:G04014, doi:10.1029/2008jg000730, American Geophysical Union Published

Vincent, A.C., Mueller, D.R., Vincent, W.F., 2008, Simulated Heat Storage in a Perennially Ice-Covered High Arctic Lake: Sensitivity to Climate Change, *Journal of Geophysical Research-Oceans* 113: C04036, American Geophysical Union Published