

Archambault P, Snelgrove PVR, Fisher JAD, Gagnon JM, Garbary DJ, Harvey M, Kenchington EL, Lesage V, Levesque M, Lovejoy C, Mackas DL, McKindsey CW, Nelson JR, Pepin P, Piche L, Poulin M (2010) From Sea to Sea : Canada's Three Oceans of Biodiversity. *Plos One* 5:e12182.

Awaleh MO, Brisse F, Soubaneh YD, Maris T (2010) Influence of the counteranion on silver(I)-dithioether coordination polymers. *Polyhedron* 29:2966-2975.

Awaleh MO, Brisse F, Soubaneh YD, Maris T, Dirieh ES (2010) Four New Ag(I) Coordination Polymers : Synthesis, Crystal Structures and Thermal Stability. *Journal of Inorganic And Organometallic Polymers And Materials* 20:816-824.

Bahoura M, Simard Y (2010) Blue whale calls classification using short-time Fourier and wavelet packet transforms and artificial neural network. *Digital Signal Processing* 20:1256-1263.

Barletta F, St-Onge G, Channell JET, Rochoria A (2010) Dating of Holocene western Canadian Arctic sediments by matching paleomagnetic secular variation to a geomagnetic field model. *Quaternary Science Reviews* 29:2315-2324.

Barletta F, St-Onge G, Stoner JS, Lajeunesse P, Locat J (2010) A high-resolution Holocene paleomagnetic secular variation and relative paleointensity stack from eastern Canada. *Earth And Planetary Science Letters* 298:162-174.

Belley R, Archambault P, Sundby B, Gilbert F, Gagnon JM (2010) Effects of hypoxia on benthic macrofauna and bioturbation in the Estuary and Gulf of St. Lawrence, Canada. *Continental Shelf Research* 30:1302-1313.

Benoit D, Simard Y, Gagne 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* 33:1505-1520.

Bougas B, Granier S, Audet C, Bernatchez L (2010) The Transcriptional Landscape of Cross-Specific Hybrids and Its Possible Link With Growth in Brook Charr (*Salvelinus fontinalis* Mitchill). *Genetics* 186:97-U207.

Bui AOV, Ouellet P, Castonguay M, Brethes JC (2010) Ichthyoplankton community structure in the northwest Gulf of St. Lawrence (Canada) : past and present. *Marine Ecology Progress Series* 412:189-205.

Collin A, Long B, Archambault P (2010) Salt-marsh characterization, zonation assessment and mapping through a dual-wavelength LiDAR. *Remote Sensing of Environment* 114:520-530.

Curry RA, Bernatchez L, Whoriskey FJ, Audet C (2010) The origins and persistence of anadromy in brook charr. *Reviews in Fish Biology And Fisheries* 20:557-570.

Curtosi A, Pelletier E, Vodopivec C, St Louis R, Patricio Mac Cormack W (2010) Presence and Distribution of Persistent Toxic Substances in Sediments and Marine Organisms of Potter Cove, Antarctica. *Archives of Environmental Contamination And Toxicology* 59:582-592.

Daoud D, Lambert Y, Audet C, Chabot D (2010) Size and temperature-dependent variations in intermolt duration and size increment at molt of Northern Shrimp, *Pandalus borealis*. *Marine Biology* 157:2655-2666.

Defossez M, Saucier FJ, Myers PG, Caya D, Dumais JF (2010) Analysis of a dense water pulse following mid-winter opening of polynyas in western Foxe Basin, Canada. *Dynamics of Atmospheres And Oceans* 49:54-74.

- Duchesne MJ, Pinet N, Bedard K, St-Onge G, Lajeunesse P, Campbell DC, Bolduc A (2010) Role of the bedrock topography in the Quaternary filling of a giant estuarine basin : the Lower St. Lawrence Estuary, Eastern Canada. *Basin Research* 22:933-951.
- Forget N, Belzile C, Rioux P, Nozais C (2010) Teaching the microbial growth curve concept using microalgal cultures and flow cytometry. *Journal of Biological Education* 44:185-189.
- Fraboulet E, Lambert Y, Tremblay R, Audet C (2010) Assessment of paternal effect and physiological cost of metamorphosis on growth of young winter flounder *Pseudopleuronectes americanus* juveniles in a cold environment. *Journal of Fish Biology* 76:930-948.
- Gagne R, Tremblay R, Pernet F, Miner P, Samain JF, Olivier F (2010) Lipid requirements of the scallop *Pecten maximus* (L.) during larval and post-larval development in relation to addition of *Rhodomonas saua* in diet. *Aquaculture* 309:212-221.
- Gervaise C, Barazzutti A, Busson S, Simard Y, Roy N (2010) Automatic detection of bioacoustics impulses based on kurtosis under weak signal to noise ratio. *Applied Acoustics* 71:1020-1026.
- Godet L, Le Mao P, Grant C, Olivier F (2010) Marine invertebrate fauna of the Chausey archipelago : an annotated checklist of historical data from 1828 to 2008. *Cahiers De Biologie Marine* 51:147-165.
- Guyondet T, Roy S, Koutitonsky VG, Grant J, Tita G (2010) Integrating multiple spatial scales in the carrying capacity assessment of a coastal ecosystem for bivalve aquaculture. *Journal of Sea Research* 64:341-359.
- Haberzettl T, St-Onge G, Lajeunesse P (2010) Multi-proxy records of environmental changes in Hudson Bay and Strait since the final outburst flood of Lake Agassiz-Ojibway. *Marine Geology* 271:93-105.
- 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* 410:55-70.
- Katsev S, Crowe SA, Mucci A, Sundby B, Nomosatryo S, Haffner GD, Fowle DA (2010) Mixing and its effects on biogeochemistry in the persistently stratified, deep, tropical Lake Matano, Indonesia. *Limnology And Oceanography* 55:763-776.
- Key T, McCarthy A, Campbell DA, Six C, Roy S, Finkel ZV (2010) Cell size trade-offs govern light exploitation strategies in marine phytoplankton. *Environmental Microbiology* 12:95-104.
- Le Clainche Y, Vezina A, Levasseur M, Cropp RA, Gunson JR, Vallina SM, Vogt M, Lancelot C, Allen JI, Archer SD, Bopp L, Deal C, Elliott S, Jin M, Malin G, Schoemann V, Simo R, Six KD, Stefels J (2010) A first appraisal of prognostic ocean DMS models and prospects for their use in climate models. *Global Biogeochemical Cycles* 24:GB3021.
- Le Fouest V, Zakardjian B, Saucier FJ (2010) Plankton ecosystem response to freshwater-associated bulk turbidity in the subarctic Gulf of St. Lawrence (Canada) : A modelling study. *Journal of Marine Systems* 81:75-85.
- Ledoux G, Lajeunesse P, Chapron E, St-Onge G (2010) Multibeam Bathymetry Investigations of Mass Movements in Lake Le Bourget (NW Alps, France) Using a Portable Platform. *Advances in Natural And Technological Hazards Research* 28:423-+.
- Ledu D, Rochon A, de Vernal A, Barletta F, St-Onge G (2010) Holocene sea ice history and climate variability along the main axis of the Northwest Passage, Canadian Arctic. *Paleoceanography* 25:PA2213.

Ledu D, Rochon A, de Vernal A, St-Onge G (2010) Holocene paleoceanography of the northwest passage, Canadian Arctic Archipelago. *Quaternary Science Reviews* 29:3468-3488.

Lesage V, Morin Y, Rioux E, Pomerleau C, Ferguson SH, Pelletier E (2010) Stable isotopes and trace elements as indicators of diet and habitat use in cetaceans : predicting errors related to preservation, lipid extraction, and lipid normalization. *Marine Ecology Progress Series* 419:249-265.

Magen C, Chaillou G, Crowe SA, Mucci A, Sundby B, Gao A, Makabe R, Sasaki H (2010) Origin and fate of particulate organic matter in the southern Beaufort Sea - Amundsen Gulf region, Canadian Arctic. *Estuarine Coastal And Shelf Science* 86:31-41.

Mamelona J, Saint-Louis R, Pelletier E (2010) Nutritional composition and antioxidant properties of protein hydrolysates prepared from echinoderm byproducts. *International Journal of Food Science And Technology* 45:147-154.

Mamelona J, Saint-Louis R, Pelletier E (2010) Proximate composition and nutritional profile of by-products from green urchin and Atlantic sea cucumber processing plants. *International Journal of Food Science And Technology* 45:2119-2126.

Martin J, Tremblay JE, Gagnon J, Tremblay G, Lapoussiere A, Jose C, Poulin M, Gosselin M, Gratton Y, Michel C (2010) Prevalence, structure and properties of subsurface chlorophyll maxima in Canadian Arctic waters. *Marine Ecology Progress Series* 412:69-84.

Mei ZP, Saucier FJ, Le Fouest V, Zakardjian B, Sennville S, Xie H, Starr M (2010) Modeling the timing of spring phytoplankton bloom and biological production of the Gulf of St. Lawrence (Canada) : Effects of colored dissolved organic matter and temperature. *Continental Shelf Research* 30:2027-2042.

Moreau S, Ferreyra GA, Mercier B, Lemarchand K, Lionard M, Roy S, Mostajir B, Roy S, van Hardenberg B, Demers S (2010) Variability of the microbial community in the western Antarctic Peninsula from late fall to spring during a low ice cover year. *Polar Biology* 33:1599-1614.

Morissette L, Kaschner K, Gerber LR (2010) Ecosystem models clarify the trophic role of whales off Northwest Africa. *Marine Ecology Progress Series* 404:289-302.

Mudie PJ, Marret F, Rochon A, Aksu AE (2010) Non-pollen palynomorphs in the Black Sea corridor. *Vegetation History And Archaeobotany* 19:531-544.

Mundy CJ, 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.

Pasquaud S, Pillet M, David V, Sautour B, Elie P (2010) Determination of fish trophic levels in an estuarine system. *Estuarine Coastal And Shelf Science* 86:237-246.

Rayssac N, Pernet F, Lacasse O, Tremblay R (2010) Temperature effect on survival, growth, and triacylglycerol content during the early ontogeny of *Mytilus edulis* and *M. trossulus*. *Marine Ecology Progress Series* 417:183-191.

Redjah I, Olivier F, Tremblay R, Myrand B, Pernet F, Neumeier U, Chevarie L (2010) The importance of turbulent kinetic energy on transport of juvenile clams (*Mya arenaria*). *Aquaculture* 307:20-28.

Rodriguez-Blanco A, Antoine V, Pelletier E, Delille D, Ghiglione JF (2010) Effects of temperature and fertilization on total vs. active bacterial communities exposed to crude and diesel oil pollution in NW Mediterranean Sea. *Environmental Pollution* 158:663-673.

- Roy N, Simard Y, Gervaise C (2010) 3D tracking of foraging belugas from their clicks : Experiment from a coastal hydrophone array. *Applied Acoustics* 71:1050-1056.
- Sauvage C, Derome N, Normandeau E, St-Cyr J, Audet C, Bernatchez L (2010) Fast Transcriptional Responses to Domestication in the Brook Charr *Salvelinus fontinalis*. *Genetics* 185:105-U168.
- Sibert V, Zakardjian B, Saucier F, Gosselin M, Starr M, Senneville S (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* 29:353-378.
- Simard Y, Harvey M (2010) Predation on Northern Krill (*Meganyctiphanes Norvegica* Sars). *Advances in Marine Biology* 57:277-306.
- Simard Y, Lepage R, Gervaise C (2010) Anthropogenic sound exposure of marine mammals from seaways : Estimates for Lower St. Lawrence Seaway, eastern Canada. *Applied Acoustics* 71:1093-1098.
- Simard Y, Roy N, Giard S, Gervaise C, Conversano M, Menard N (2010) Estimating whale density from their whistling activity : Example with St. Lawrence beluga. *Applied Acoustics* 71:1081-1086.
- Simons RD, Monismith SG, Saucier FJ, Johnson LE, Winkler G (2010) Modelling Stratification and Baroclinic Flow in the Estuarine Transition Zone of the St. Lawrence Estuary. *Atmosphere-Ocean* 48:132-146.
- Tamdrari H, Castonguay M, Brethes JC, Duplisea D (2010) Density-independent and -dependent habitat selection of Atlantic cod (*Gadus morhua*) based on geostatistical aggregation curves in the northern Gulf of St Lawrence. *Ices Journal of Marine Science* 67:1676-1686.
- Thibault I, Hedger RD, Crepeau H, Audet C, Dodson JJ (2010) Abiotic variables accounting for presence of the exotic rainbow trout (*Oncorhynchus mykiss*) in Eastern Quebec Rivers. *Knowledge And Management of Aquatic Ecosystems* :.
- Wang X, Yang GP, Lopez D, Ferreyra G, Lemarchand K, Xie H (2010) Late autumn to spring changes in the inorganic and organic carbon dissolved in the water column at Scholaert Channel, West Antarctica. *Antarctic Science* 22:145-156.
- Wei CL, Rowe GT, Escobar-Briones E, Boetius A, Soltwedel T, Caley MJ, Soliman Y, Huettmann F, Qu F, Yu Z, Pitcher CR, Haedrich RL, Wicksten MK, Rex MA, Baguley JG, Sharma J, Danovaro R, MacDonald IR, Nunnally CC, Deming JW, Montagna P, Levesque M, Weslawski JM, Wlodarska-Kowalczyk M, Ingole BS, Bett BJ, Billett DSM, Yool A, Bluhm BA, Iken K, Narayanaswamy BE (2010) Global Patterns and Predictions of Seafloor Biomass Using Random Forests. *Plos One* 5:e15323.
- Zuykov M, Pelletier E, Demers S (2010) Method for repeated extrapallial fluid extraction from bivalve molluscs. *Journal of Molluscan Studies* 76:399-400.
- AboElkhair M, Siah A, Clark KF, McKenna P, Pariseau J, Greenwood SJ, Berthe FCJ, Cepica A (2009) Reverse transcriptase activity associated with haemic neoplasia in the soft-shell clam *Mya arenaria*. *Diseases of Aquatic Organisms* 84:57-63.