

Anderson JT, Van Holliday D, Kloser R, Reid DG, Simard Y (2008) Acoustic seabed classification : current practice and future directions. *Ices Journal of Marine Science* 65:1004-1011.

Bahoura M, Simard Y (2008) Chirplet transform applied to simulated and real blue whale (*Balaenoptera musculus*) calls. *Lecture Notes in Computer Science* 5099:296-+.

Barletta F, St-Onge G, Channell JET, Rochon A, Polyak L, Darby D (2008) High-resolution paleomagnetic secular variation and relative paleointensity records from the western Canadian Arctic : implication for Holocene stratigraphy and geomagnetic field behaviour. *Canadian Journal of Earth Sciences* 45:1265-1281.

Barthe M, Pelletier E, Breedveld GD, Cornelissen G (2008) Passive samplers versus surfactant extraction for the evaluation of PAH availability in sediments with variable levels of contamination. *Chemosphere* 71:1486-1493.

Belvin S, Tremblay R, Roussy M, Mcgladdery SE (2008) Inoculation experiments to understand mass mortalities in sea scallop, *Placopecten magellanicus*. *Journal of Shellfish Research* 27:251-260.

Belzile C, Brugel S, Nozais C, Gratton Y, Demers S (2008) Variations of the abundance and nucleic acid content of heterotrophic bacteria in Beaufort Shelf waters during winter and spring. *Journal of Marine Systems* 74:946-956.

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.

Bouchard JN, Longhi ML, Roy S, Campbell DA, Ferreyra G (2008) Interaction of nitrogen status and UVB sensitivity in a temperate phytoplankton assemblage. *Journal of Experimental Marine Biology And Ecology* 359:67-76.

Burke K, Bataller E, Miron G, Ouellette M, Tremblay R (2008) Larval quality of a nonnative bivalve species (European oyster, *Ostrea edulis*) off the East Canadian Coast. *Journal of Shellfish Research* 27:701-710.

Bussolaro D, Filipak Neto F, Gargioni R, Fernandes LC, Randi MAF, Pelletier E, Ribeiro CAO (2008) The immune response of peritoneal macrophages due to exposure to inorganic lead in the house mouse *Mus musculus*. *Toxicology in Vitro* 22:254-260.

Callier MD, McKindsey CW, Desrosiers G (2008) Evaluation of indicators used to detect mussel farm influence on the benthos : Two case studies in the Magdalen Islands, Eastern Canada. *Aquaculture* 278:77-88.

Cauchon-Voyer G, Locat J, St-Onge G (2008) Late-Quaternary morpho-sedimentology and submarine mass movements of the Betsiamites area, Lower St. Lawrence Estuary, Quebec, Canada. *Marine Geology* 251:233-252.

Clynick BG, McKindsey CW, Archambault P (2008) Distribution and productivity of fish and macroinvertebrates in mussel aquaculture sites in the Magdalen islands (Quebec, Canada). *Aquaculture* 283:203-210.

Collin A, Archambault P, Long B (2008) Mapping the Shallow Water Seabed Habitat With the SHOALS. *Ieee Transactions on Geoscience And Remote Sensing* 46:2947-2955.

Crowe SA, Jones C, Katsev S, Magen C, O'Neill AH, Sturm A, Canfield DE, Haffner GD, Mucci A, Sundby B, Fowle DA (2008) Photoferrotrophs thrive in an Archean Ocean analogue. *Proceedings of the National Academy of Sciences of the United States of America* 105:15938-15943.

Crowe SA, O'Neill AH, Katsev S, Hehanussa P, Haffner GD, Sundby B, Mucci A, Fowle DA (2008) The biogeochemistry of tropical lakes : A case study from Lake Matano, Indonesia. *Limnology And Oceanography* 53:319-331.

D'Amours O, Archambault P, McKindsey CW, Johnson LE (2008) Local enhancement of epibenthic macrofauna by aquaculture activities. *Marine Ecology Progress Series* 371:73-84.

Defossez M, Saucier FJ, Myers PG, Caya D, Dumais JF (2008) Multi-Year Observations of Deep Water Renewal in Foxe Basin, Canada. *Atmosphere-Ocean* 46:377-390.

Delaporte M, Synard S, Pariseau J, McKenna P, Tremblay R, Davidson J, Berthe FCJ (2008) Assessment of haemic neoplasia in different soft shell clam *Mya arenaria* populations from eastern Canada by flow cytometry. *Journal of Invertebrate Pathology* 98:190-197.

Delille D, Duval A, Pelletier E (2008) Highly efficient pilot biopiles for on-site fertilization treatment of diesel oil-contaminated sub-Antarctic soil. *Cold Regions Science And Technology* 54:7-18.

Deneault J, Ricard M, Decarie TG, Morin PL, Quintal G, Bolvin M, Tremblay RE, Perusse D (2008) False belief and emotion understanding in monozygotic twins, dizygotic twins and non-twin children. *Cognition & Emotion* 22:697-708.

Duchemin MB, Auffret M, Wessel N, Fortier M, Morin Y, Pellerin J, Fournier M (2008) Multiple experimental approaches of immunotoxic effects of mercury chloride in the blue mussel, *Mytilus edulis*, through in vivo, in tubo and in vitro exposures. *Environmental Pollution* 153:416-423.

Duchemin MB, Wessel N, Fournier M, Auffret M (2008) Flow cytometric measurement of the clearance rate in the blue mussel *Mytilus edulis* and the development of a new individual exposure system for aquatic immunotoxicological studies. *Environmental Pollution* 153:492-496.

Dufour SC, White C, Desrosiers G, Juniper SK (2008) Structure and composition of the consolidated mud tube of *Maldane sarsi* (Polychaeta : Maldanidae). *Estuarine Coastal And Shelf Science* 78:360-368.

Dutil JD, Jabouin C, Larocque R, Desrosiers G, Blier PU (2008) Atlantic cod (*Gadus morhua*) from cold and warm environments differ in their maximum growth capacity at low temperatures. *Canadian Journal of Fisheries And Aquatic Sciences* 65:2579-2591.

Fauchot J, Saucier FJ, Levasseur M, Roy S, Zakardjian B (2008) Wind-driven river plume dynamics and toxic *Alexandrium tamarense* blooms in the St. Lawrence estuary (Canada) : A modeling study. *Harmful Algae* 7:214-227.

Fortin MG, Couillard CM, Pellerin J, Lebeuf M (2008) Effects of salinity on sublethal toxicity of atrazine to mummichog (*Fundulus heteroclitus*) larvae. *Marine Environmental Research* 65:158-170.

Frouin H, Lebeuf M, Saint-Louis R, Hammill M, Pelletier E, Fournier M (2008) Toxic effects of tributyltin and its metabolites on harbour seal (*Phoca vitulina*) immune cells in vitro. *Aquatic Toxicology* 90:243-251.

Gagne F, Blaise C, Pellerin J, Fournier M, Durand MJ, Talbot A (2008) Relationships between intertidal clam population and health status of the soft-shell clam *Mya arenaria* in the St. Lawrence Estuary and Saguenay Fjord (Quebec, Canada). *Environment International* 34:30-43.

Grami B, Niquil N, Hlaili AS, Gosselin M, Hamel D, Mabrouk HH (2008) The plankton food web of the Bizerte Lagoon (South-western Mediterranean) : II. Carbon steady-state modelling using inverse analysis. *Estuarine Coastal And Shelf Science* 79:101-113.

Hebert N, Gagne F, Cejka P, Cyr D, Marcogliese DJ, Blaise C, Pellerin J, Fournier M (2008) The effects of a primary-treated municipal effluent on the immune system of rainbow trout (*Oncorhynchus mykiss*) : Exposure duration and contribution of suspended particles. *Comparative Biochemistry And Physiology C-Toxicology & Pharmacology* 148:258-264.

Hlaili AS, Grami B, Niquil N, Gosselin M, Hamel D, Troussellier M, Mabrouk HH (2008) The planktonic food web of the Bizerte lagoon (south-western Mediterranean) during summer : I. Spatial distribution under different anthropogenic pressures. *Estuarine Coastal And Shelf Science* 78:61-77.

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.

Juul-Pedersen T, Michel C, Gosselin M, Seuthe L (2008) Seasonal changes in the sinking export of particulate material under first-year sea ice on the Mackenzie Shelf (western Canadian Arctic). *Marine Ecology Progress Series* 353:13-25.

Katsev S, Crowe SA, Haffner GD, Mucci A, Sunby B, Fowle DA (2008) Modeling biogeochemistry in an Early Ocean Analogue. *Geochimica Et Cosmochimica Acta* 72:A453-A453.

Kraffe E, Tremblay R, Belvin S, LeCoz JR, Marty Y, Guderley H (2008) Effect of reproduction on escape responses, metabolic rates and muscle mitochondrial properties in the scallop *Placopecten magellanicus*. *Marine Biology* 156:25-38.

Lachance AA, Myrand B, Tremblay R, Koutitonsky V, Carrington E (2008) Biotic and abiotic factors influencing attachment strength of blue mussels *Mytilus edulis* in suspended culture. *Aquatic Biology* 2:119-129.

Lajeunesse P, St-Onge G (2008) The subglacial origin of the lake Agassiz-Ojibway final outburst flood. *Nature Geoscience* 1:184-188.

Lavoie C, Hill PR, 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 Sciences* 45:427-441.

LeBlanc N, Tremblay R, Davidson J, Landry T, McNiven M (2008) The effect of selection treatments on *Mytilus edulis*, modifications of genetic and physiological characteristics. *Marine Biology* 153:1141-1152.

Ledu D, Rochon A, de Vernal A, St-Onge G (2008) Palynological evidence of Holocene climate change in the eastern Arctic : a possible shift in the Arctic oscillation at the millennial time scale. *Canadian Journal of Earth Sciences* 45:1363-1375.

Lizotte M, Levasseur M, Scarratt MG, Michaud S, Merzouk A, Gosselin M, Pommier J (2008) Fate of dimethylsulfoniopropionate (DMSP) during the decline of the northwest Atlantic Ocean spring diatom bloom. *Aquatic Microbial Ecology* 52:159-173.

Luther GWI, Glazer BT, Ma S, Trouwborst RE, Moore TS, Metzger E, Kraiyya C, Waite TJ, Druschel G, Sundby B, Taillefert M, Nuzzio DB, Shank TM, Lewis BL, Brendel PJ (2008) Use of voltammetric solid-state (micro)electrodes for studying biogeochemical processes : Laboratory measurements to real time measurements with an in situ electrochemical analyzer (ISEA). *Marine Chemistry* 108:221-235.

- Marion A, Harvey M, Chabot D, Brethes JC (2008) Feeding ecology and predation impact of the recently established amphipod, *Themisto libellula*, in the St. Lawrence marine system, Canada. *Marine Ecology Progress Series* 373:53-70.
- Mas S, Roy S, Blouin F, Mostajir B, Therriault JC, Nozais C, Demers S (2008) Diel variations in optical properties of *Imantonia rotunda* (haptophyceae) and *Thalassiosira pseudonana* (Bacillariophyceae) exposed to different irradiance levels. *Journal of Phycology* 44:551-563.
- Medina A, Brethes JC, Sevigny JM (2008) Habitat fragmentation and body-shape variation of African hind *Cephalopholis taeniops* (Valenciennes) in an archipelago system (Cape Verde, eastern Atlantic Ocean). *Journal of Fish Biology* 73:902-925.
- Mouneyrac C, Linot S, Amiard JC, Amiard-Triquet C, Metais I, Durou C, Minier C, Pellerin J (2008) Biological indices, energy reserves, steroid hormones and sexual maturity in the infaunal bivalve *Scrobicularia plana* from three sites differing by their level of contamination. *General And Comparative Endocrinology* 157:133-141.
- Myrand B, Chevarie L, Tremblay R (2008) Soft-shell clam culture in the Magdalen Islands (Southern Gulf of St. Lawrence) : Update on the R&D. *Journal of Shellfish Research* 27:1035-1035.
- Neumeier U, Ferrarin C, Amos CL, Umgiesser G, Li MZ (2008) Sedtrans05 : An improved sediment-transport model for continental shelves and coastal waters with a new algorithm for cohesive sediments. *Computers & Geosciences* 34:1223-1242.
- Parent GJ, Pernet F, Tremblay R, Sevigny JM, Ouellette M (2008) Remodeling of membrane lipids in gills of adult hard clam *Mercenaria mercenaria* during declining temperature. *Aquatic Biology* 3:101-109.
- Pellerin J, Amiard JC (2008) Relationships between metallothionein induction, cadmium, copper and zinc levels and environmental parameters in the soft shell clam *Mya arenaria* in the Saguenay fjord and the St. Lawrence River maritime estuary. *Oceans-Ieee* :1910-+.
- Pernet F, Tremblay R, Redjah I, Sevigny JM, Gionet C (2008) Physiological and biochemical traits correlate with differences in growth rate and temperature adaptation among groups of the eastern oyster *Crassostrea virginica*. *Journal of Experimental Biology* 211:969-977.
- Pichaud N, Pellerin J, Fournier M, Gauthier-Clerc S, Rioux P, Pelletier E (2008) Oxidative stress and immunologic responses following a dietary exposure to PAHs in *Mya arenaria*. *Chemistry Central Journal* 2:23.
- Piot A, Rochon A, Stora G, Desrosiers G (2008) Experimental study on the influence of bioturbation performed by *Nephtys caeca* (Fabricius) and *Nereis virens* (Sars) annelidae on the distribution of dinoflagellate cysts in the sediment. *Journal of Experimental Marine Biology And Ecology* 359:92-101.
- Pommier J, Michel C, Gosselin M (2008) Particulate organic carbon export in the upper twilight zone during the decline of the spring bloom. *Marine Ecology Progress Series* 356:81-92.
- Puebla O, Sevigny JM, Sainte-Marie B, Brethes JC, Burmeister A, Dawe EG, Moriyasu M (2008) Population genetic structure of the snow crab (*Chionoecetes opilio*) at the Northwest Atlantic scale. *Canadian Journal of Fisheries And Aquatic Sciences* 65:425-436.
- Redjah I, Tremblay R, Myrand B, Olivier F, Pernet F, Neumeier U, Chevarie L (2008) Effects of current velocity, turbulence, type of substratum and clam size on dispersal of *Mya arenaria* : Lessons for clam culture. *Journal of Shellfish Research* 27:1046-1046.

- Rees DJ, Belzile C, Glemet H, Dufresne F (2008) Large genomes among caridean shrimp. *Genome* 51:159-163.
- Richefol T, Rochon A, Blasco S, Scott DB, Schell TM, Bennett RJ (2008) Evolution of paleo sea-surface conditions over the last 600 years in the Mackenzie Trough, Beaufort Sea (Canada). *Marine Micropaleontology* 68:6-20.
- Richerol T, Rochon A, Blasco S, Scott DB, Schell TM, Bennett RJ (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.
- Riedel A, Michel C, Gosselin M, LeBlanc B (2008) Winter-spring dynamics in sea-ice carbon cycling in the coastal Arctic Ocean. *Journal of Marine Systems* 74:918-932.
- Rochon A, Eynaud F, de Vernal A (2008) Dinocysts as tracers of hydrographical conditions and productivity along the ocean margins : Introduction. *Marine Micropaleontology* 68:1-5.
- Roy S, Blouin F, Jacques A, Therriault JC (2008) Absorption properties of phytoplankton in the Lower Estuary and Gulf of St. Lawrence (Canada). *Canadian Journal of Fisheries And Aquatic Sciences* 65:1721-1737.
- Rozanska M, Poulin M, Gosselin M (2008) Protist entrapment in newly formed sea ice in the Coastal Arctic Ocean. *Journal of Marine Systems* 74:887-901.
- Schell TM, Moss TJ, Scott DB, Rochon A (2008) Paleo-sea ice conditions of the Amundsen Gulf, Canadian Arctic Archipelago : Implications from the foraminiferal record of the last 200 years. *Journal of Geophysical Research-Oceans* 113:C03S02.
- Schell TM, Scott DB, 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* 45:1399-1415.
- Schloss IR, Nozais C, Mas S, van Hardenberg B, Carmack E, Tremblay JE, Brugel S, Demers S (2008) Picophytoplankton and nanophytoplankton abundance and distribution in the southeastern Beaufort Sea (Mackenzie Shelf and Amundsen Gulf) during Fall 2002. *Journal of Marine Systems* 74:978-993.
- Scott DB, Schell T, Rochon A, Blasco S (2008) Benthic foraminifera in the surface sediments of the Beaufort Shelf and slope, Beaufort Sea, Canada : Applications and implications for past sea-ice conditions. *Journal of Marine Systems* 74:840-863.
- Scott DB, Schell T, Rochon A, Blasco S (2008) Modern benthic foraminifera in the surface sediments of the Beaufort shelf, slope and Mackenzie Trough, Beaufort Sea, Canada : Taxonomy and summary of surficial distributions. *Journal of Foraminiferal Research* 38:228-250.
- Simard Y, Fortier L (2008) Listening at climate change in ice-covered seas : example with AURAL autonomous hydrophones in the Arctic. *Oceans-Ieee* :2216-+.
- Simard Y, Roy N, Gervaise C (2008) Passive acoustic detection and localization of whales : Effects of shipping noise in Saguenay-St. Lawrence Marine Park. *Journal of the Acoustical Society of America* 123:4109-4117.
- Snelgrove P, Archambault P, Juniper K, Lawton P, Metaxas A, McKindsey C, Pepin P, Schneider D, Tunnicliffe V (2008) Scientific Criteria for Conservation and Sustainable Usage of Marine Biodiversity in Canada's Oceans. *Oceans-Ieee* :598-+.

Soubaneh YD, Lebeuf M, Gouteux B, Xie H, Nikiforov V, Gagne JP (2008) Investigations on the sorption of a toxaphene model congener, the B7-1450, on marine sediments. *Chemosphere* 71:1019-1027.

Sourisseau M, Simard Y, Saucier FJ (2008) Krill diel vertical migration fine dynamics, nocturnal overturns, and their roles for aggregation in stratified flows. *Canadian Journal of Fisheries And Aquatic Sciences* 65:574-587.

St-Laurent P, Saucier FJ, Dumais JF (2008) On the modification of tides in a seasonally ice-covered sea. *Journal of Geophysical Research-Oceans* 113:C11014.

St-Onge G, Lajeunesse P, Duchesne MJ, Gagne H (2008) Identification and dating of a key Late Pleistocene stratigraphic unit in the St. Lawrence Estuary and Gulf (Eastern Canada). *Quaternary Science Reviews* 27:2390-2400.

Straneo F, Saucier F (2008) The outflow from Hudson Strait and its contribution to the Labrador Current. *Deep-Sea Research Part I-Oceanographic Research Papers* 55:926-946.

Trottet A, Roy S, Tamigneaux E, Lovejoy C, Tremblay R (2008) Impact of suspended mussels (*Mytilus edulis* L.) on plankton communities in a Magdalen Islands lagoon (Quebec, Canada) : A mesocosm approach. *Journal of Experimental Marine Biology And Ecology* 365:103-115.

Trottet A, Roy S, Tamigneaux E, Lovejoy C, Tremblay R (2008) Influence of suspended mussel farming on planktonic communities in Grande-Entree Lagoon, Magdalen Islands (Quebec, Canada). *Aquaculture* 276:91-102.

Valentin AE, Penin X, Chanut JP, Sevigny JM, Rohlfk FJ (2008) Arching effect on fish body shape in geometric morphometric studies. *Journal of Fish Biology* 73:623-638.

Winkler G, Dodson JJ, Lee CE (2008) Heterogeneity within the native range : population genetic analyses of sympatric invasive and noninvasive clades of the freshwater invading copepod *Eurytemora affinis*. *Molecular Ecology* 17:415-430.

Witman JD, Cusson M, Archambault P, Pershing AJ, Mieszkowska N (2008) The Relation Between Productivity And Species Diversity in Temperate-Arctic Marine Ecosystems. *Ecology* 89:S66-S80.

Zhang Y, Xie H, Fichot CG, Chen G (2008) Dark production of carbon monoxide (CO) from dissolved organic matter in the St. Lawrence estuarine system : Implication for the global coastal and blue water CO budgets. *Journal of Geophysical Research-Oceans* 113:C12020.

de Montgolfier B, Fournier M, Audet C, Marcogliese DJ, Cyr DG (2008) Influence of municipal effluents on the expression of connexins in the brook trout (*Salvelinus fontinalis*) testis. *Aquatic Toxicology* 86:38-48.