

AboElkhair M, Synard S, Siah A, Pariseau J, Davidson J, Johnson G, Greenwood SJ, Casey JW, Berthe FCJ, Cepica A (2009) Reverse transcriptase activity in tissues of the soft shell clam *Mya arenaria* affected with haemic neoplasia. *Journal of Invertebrate Pathology* 102:133-140.

Antoniades D, Veillette J, Martineau MJ, Belzile C, Tomkins J, Pienitz R, Lamoureux S, Vincent WF (2009) Bacterial dominance of phototrophic communities in a High Arctic lake and its implications for paleoclimate analysis. *Polar Science* 3:147-161.

Ariza P, Ouellet P (2009) Diet Components of Northern Shrimp *Pandalus Borealis* First Stage Larvae in the Northwest Gulf of St. Lawrence. *Journal of Crustacean Biology* 29:532-543.

Bergayou H, Mouneyrac C, Pellerin J, Moukrim A (2009) Oxidative stress responses in bivalves (*Scrobicularia plana*, *Cerastoderma edule*) from the Oued Souss estuary (Morocco). *Ecotoxicology And Environmental Safety* 72:765-769.

Beyrend-Dur D, Souissi S, Devreker D, Winkler G, Hwang JS (2009) Life cycle traits of two transatlantic populations of *Eurytemora affinis* (Copepoda : Calanoida) : salinity effects. *Journal of Plankton Research* 31:713-728.

Brachfeld S, Barletta F, St-Onge G, Darby D, Ortiz JD (2009) Impact of diagenesis on the environmental magnetic record from a Holocene sedimentary sequence from the Chukchi-Alaskan margin, Arctic Ocean. *Global And Planetary Change* 68:100-114.

Brugel S, Nozais C, Poulin M, Tremblay JE, Miller LA, Simpson KG, Gratton Y, Demers S (2009) Phytoplankton biomass and production in the southeastern Beaufort Sea in autumn 2002 and 2003. *Marine Ecology Progress Series* 377:63-77.

Callier MD, Richard M, McKinsey CW, Archambault P, Desrosiers G (2009) Responses of benthic macrofauna and biogeochemical fluxes to various levels of mussel biodeposition : An in situ "benthocosm" experiment. *Marine Pollution Bulletin* 58:1544-1553.

Collin A, Long B, Archambault P (2009) Relating Spatial Scale To Benthoscape Patterns With a High-Resolution Bathymetric Lidar. *Coastal Engineering* 2008, Vols 1-5 :4645-+.

Couillard CM, Laplatte B, Pelletier E (2009) A FISH BIOASSAY TO EVALUATE THE TOXICITY ASSOCIATED WITH THE INGESTION OF BENZO[a] PYRENE-CONTAMINATED BENTHIC PREY. *Environmental Toxicology And Chemistry* 28:772-781.

Curtosi A, Pelletier E, Vodopivez CL, Mac Cormack WP (2009) Distribution of PAHs in the water column, sediments and biota of Potter Cove, South Shetland Islands, Antarctica. *Antarctic Science* 21:329-339.

Delille D, Pelletier E, Rodriguez-Blanco A, Ghiglione JF (2009) Effects of nutrient and temperature on degradation of petroleum hydrocarbons in sub-Antarctic coastal seawater. *Polar Biology* 32:1521-1528.

Devreker D, Souissi S, Winkler G, Forget-Leray J, Leboulenger F (2009) Effects of salinity, temperature and individual variability on the reproduction of *Eurytemora affinis* (Copepoda ; Calanoida) from the Seine estuary : A laboratory study. *Journal of Experimental Marine Biology And Ecology* 368:113-123.

Drouin A, Sirois P, Archambault P (2009) Discriminating zooplankton communities in lakes with brook trout (*Salvelinus fontinalis*) and in fishless lakes. *Ecoscience* 16:271-281.

Dufour SC, White C, Desrosiers G, Juniper SK (2009) Structure and composition of the consolidated mud tube of Maldane sarsi (Polychaeta : Maldanidae) (vol 78, pg 360, 2008). *Estuarine Coastal And Shelf Science* 83:113-114.

Fraboulet E, Lambert Y, Litvak M, Audet C (2009) The Effects of Latitudinal Origin and Paternal Contribution on Larval Growth of Winter Flounder in a Northern Environment. *Transactions of the American Fisheries Society* 138:407-415.

Gagne F, Andre C, Blaise C, Pellerin J, Sherry J, Talbot A (2009) An investigation on the disruptive effect of pollution in cold- and warm- adapted clam populations. *Isj-Invertebrate Survival Journal* 6:144-153.

Gagne F, Blaise C, Pellerin J, Fournier M, Gagnon C, Sherry J, Talbot A (2009) Impacts of pollution in feral Mya arenaria populations : The effects of clam bed distance from the shore. *Science of the Total Environment* 407:5844-5854.

Gagne H, Lajeunesse P, St-Onge G, Bolduc A (2009) Recent transfer of coastal sediments to the Laurentian Channel, Lower St. Lawrence Estuary (Eastern Canada), through submarine canyon and fan systems. *Geo-Marine Letters* 29:191-200.

Gagne JP, Gouteux B, Bertrand MJ (2009) Development of a novel high volume band compression injector for the analysis of complex samples like toxaphene pesticide. *Journal of Chromatography a* 1216:442-448.

Gagnoud M, Lajeunesse P, Desrosiers G, Long B, Dufour S, Labrie J, Mermilliod-Blondin F, Stora G (2009) Litho- and biofacies analysis of postglacial marine mud using CF-Scanning. *Engineering Geology* 103:106-111.

Gerber LR, Morissette L, Kaschner K, Pauly D (2009) ECOLOGY Should Whales Be Culled to Increase Fishery Yield ?. *Science* 323:880-881.

Granskog MA, Macdonald RW, Kuzyk ZZA, Senneville S, Mundy CJ, Barber DG, Stern GA, Saucier F (2009) Coastal conduit in southwestern Hudson Bay (Canada) in summer : Rapid transit of freshwater and significant loss of colored dissolved organic matter. *Journal of Geophysical Research-Oceans* 114:C08012.

Hebert N, Gagne F, Cyr D, Pellerin J, Blaise C, Fournier M (2009) EFFECTS OF 4-NONYLPHENOL ON THE IMMUNE SYSTEM OF RAINBOW TROUT (*Oncorhynchus mykiss*). *Fresenius Environmental Bulletin* 18:757-761.

Lapoussiere A, Michel C, Gosselin M, Poulin M (2009) Spatial variability in organic material sinking export in the Hudson Bay system, Canada, during fall. *Continental Shelf Research* 29:1276-1288.

Laurion I, Roy S (2009) Growth And Photoprotection in Three Dinoflagellates (Including Two Strains of *Alexandrium tamarense*) And One Diatom Exposed To Four Weeks of Natural And Enhanced Ultraviolet-B Radiation. *Journal of Phycology* 45:16-33.

Lefort S, Mucci A, Chaillou-Belanger G, Molnar N, Sundby B (2009) Impact of hypoxia on the remobilization of arsenic and selenium in the Lower St. Lawrence Estuary (Quebec, Canada). *Geochimica Et Cosmochimica Acta* 73:A739-A739.

Lehmann MF, Barnett B, Bender ML, Gelinas Y, Gilbert D, Maranger R, Mucci A, Sundby B, Thibodeau B (2009) Isotopic constraints on oxygen sink partitioning in the Lower St. Lawrence Estuary. *Geochimica Et Cosmochimica Acta* 73:A741-A741.

Lehmann MF, Barnett B, Gelinas Y, Gilbert D, Maranger RJ, Mucci A, Sundby B, Thibodeau B (2009) Aerobic respiration and hypoxia in the Lower St. Lawrence Estuary : Stable isotope ratios of dissolved oxygen constrain oxygen sink partitioning. *Limnology And Oceanography* 54:2157-2169.

Lila Bertolin M, Schloss IR (2009) Phytoplankton production after the collapse of the Larsen A Ice Shelf, Antarctica. *Polar Biology* 32:1435-1446.

Lise-Pronovost A, St-Onge G, Brachfeld S, Barletta F, Darby D (2009) Paleomagnetic constraints on the Holocene stratigraphy of the Arctic Alaskan margin. *Global And Planetary Change* 68:85-99.

Mavarez J, Audet C, Bernatchez L (2009) Major disruption of gene expression in hybrids between young sympatric anadromous and resident populations of brook charr (*Salvelinus fontinalis* Mitchell). *Journal of Evolutionary Biology* 22:1708-1720.

Mertens KN, Verhoeven K, Verleye T, Louwye S, Amorim A, Ribeiro S, Deaf AS, Harding IC, De Schepper S, Gonzalez C, Kodrans-Nsiah M, De Vernal A, Henry M, Radi T, Dybkjaer K, Poulsen NE, Feist-Burkhardt S, Chitolie J, Heilmann-Clausen C, Londeix L, Turon JL, Marret F, Matthiessen J, McCarthy FMG, Prasad V, Pospelova V, Hughes JEK, Riding JB, Rochon A, Sangiorgi F, Welters N, Sinclair N, Thun C, Soliman A, Van Nieuwenhove N, Vink A, Young M (2009) Determining the absolute abundance of dinoflagellate cysts in recent marine sediments : The Lycopodium marker-grain method put to the test. *Review of Palaeobotany And Palynology* 157:238-252.

Michaud E, Desrosiers G, Aller RC, Mermilliod-Blondin F, Sundby B, Stora G (2009) Spatial interactions in the *Macoma balthica* community control biogeochemical fluxes at the sediment-water interface and microbial abundances. *Journal of Marine Research* 67:43-70.

Morissette L, Castonguay M, Savenkoff C, Swain DP, Chabot D, Bourdages H, Hammill MO, Hanson JM (2009) Contrasting changes between the northern and southern Gulf of St. Lawrence ecosystems associated with the collapse of groundfish stocks. *Deep-Sea Research Part II-Topical Studies in Oceanography* 56:2117-2131.

Morissette L, Pedersen T, Nilsen M (2009) Comparing pristine and depleted ecosystems : The Sorfjord, Norway versus the Gulf of St. Lawrence, Canada. Effects of intense fisheries on marine ecosystems. *Progress in Oceanography* 81:174-187.

Mouy X, Bahoura M, Simard Y (2009) Automatic recognition of fin and blue whale calls for real-time monitoring in the St. Lawrence. *Journal of the Acoustical Society of America* 126:2918-2928.

Mundy CJ, Gosselin M, Ehn J, Gratton Y, Rossnagel A, Barber DG, Martin J, Tremblay JE, Palmer M, Arrigo KR, Darnis G, Fortier L, Else B, Papakyriakou T (2009) Contribution of under-ice primary production to an ice-edge upwelling phytoplankton bloom in the Canadian Beaufort Sea. *Geophysical Research Letters* 36:L17601.

Myrand B, Tremblay R, Sevigny JM (2009) Decreases in multi-locus heterozygosity in suspension-cultured mussels (*Mytilus edulis*) through loss of the more heterozygous individuals. *Aquaculture* 295:188-194.

Myrand B, Tremblay R, Sevigny JM (2009) Impact of suspension culture using mesh sleeves on genetic characteristics of *Mytilus edulis* L. in Canada. *Aquaculture* 291:147-153.

Nadeau M, Barbeau MA, Brethes JC (2009) Behavioural mechanisms of sea stars (*Asterias vulgaris* Verrill and *Leptasterias polaris* Muller) and crabs (*Cancer irroratus* Say and *Hyas araneus* Linnaeus) preying on juvenile sea scallops (*Placopecten magellanicus* (Gmelin)), and procedural effects of scallop tethering. *Journal of Experimental Marine Biology And Ecology* 374:134-143.

O'Driscoll LJ, Humphreys ED, Saucier F (2009) Subduction adjacent to deep continental roots : Enhanced negative pressure in the mantle wedge, mountain building and continental motion. *Earth And Planetary Science Letters* 280:61-70.

Pariseau J, Saint-Louis R, Delaporte M, El Khair MA, McKenna P, Tremblay R, Davidson TJ, Pelletier E, Berthe FCJ (2009) Potential link between exposure to fungicides chlorothalonil and mancozeb and haemic neoplasia development in the soft-shell clam *Mya arenaria* : A laboratory experiment. *Marine Pollution Bulletin* 58:503-514.

Pauly D, Graham W, Libralato S, Morissette L, Palomares MLD (2009) Jellyfish in ecosystems, online databases, and ecosystem models. *Hydrobiologia* 616:67-85.

Pellerin J, Amiard JC (2009) Comparison of bioaccumulation of metals and induction of metallothioneins in two marine bivalves (*Mytilus edulis* and *Mya arenaria*). *Comparative Biochemistry And Physiology C-Toxicology & Pharmacology* 150:186-195.

Pelletier E, Bonnet C, Lemarchand K (2009) Biofouling Growth in Cold Estuarine Waters and Evaluation of Some Chitosan and Copper Anti-Fouling Paints. *International Journal of Molecular Sciences* 10:3209-3223.

Pichaud N, Briatte S, Desrosiers V, Pellerin J, Fournier M, Blier PU (2009) Metabolic Capacities And Immunocompetence of Sea Scallops (*Placopecten magellanicus*, Gmelin) At Different Ages And Life Stages. *Journal of Shellfish Research* 28:865-876.

Plourde S, Maps F, Joly P (2009) Mortality and survival in early stages control recruitment in *Calanus finmarchicus*. *Journal of Plankton Research* 31:371-388.

Pommier J, Gosselin M, Michel C (2009) Size-fractionated phytoplankton production and biomass during the decline of the northwest Atlantic spring bloom. *Journal of Plankton Research* 31:429-446.

Poulin P, Pelletier E, Koutitonski VG, Neumeier U (2009) Seasonal nutrient fluxes variability of northern salt marshes : examples from the lower St. Lawrence Estuary. *Wetlands Ecology And Management* 17:655-673.

Rochon A, Lewis J, Ellegaard M, Harding IC (2009) The *Gonyaulax spinifera* (Dinophyceae) "complex" : Perpetuating the paradox ?. *Review of Palaeobotany And Palynology* 155:52-60.

Rozanska M, Gosselin M, Poulin M, Wiktor JM, Michel C (2009) Influence of environmental factors on the development of bottom ice protist communities during the winter-spring transition. *Marine Ecology Progress Series* 386:43-59.

Saucier, F J, Roy F, Senneville S, Smith G, Lefaivre D, Zakardjian B, Dumais J-F (2009),Modélisation de la circulation dans l'estuaire et le golfe du Saint-Laurent en réponse aux variations du débit d'eau douce et des vents. *Revue des sciences de l'eau / Journal of Water Science.* vol 22, n° 2, p159-176.

Savard JP, Bernatchez P, Morneau F, Saucier F (2009) Vulnerability of Eastern Quebec coastal communities to the impacts of climate change. *Houille Blanche-Revue Internationale De L'Eau* :59-66.

Scott DB, Schell T, St-Onge G, Rochon A, Blasco S (2009) Foraminiferal assemblage changes over the last 15,000 years on the Mackenzie-Beaufort Sea Slope and Amundsen Gulf, Canada : Implications for past sea ice conditions. *Paleoceanography* 24:PA2219.

Seychelles LH, Audet C, Tremblay R, Fournier R, Pernet F (2009) Essential fatty acid enrichment of cultured rotifers (*Brachionus plicatilis*, Muller) using frozen-concentrated microalgae. *Aquaculture Nutrition* 15:431-439.

Simard Y, Sourisseau M (2009) Diel changes in acoustic and catch estimates of krill biomass. *Ices Journal of Marine Science* 66:1318-1325.

Six C, Sherrard R, Lionard M, Roy S, Campbell DA (2009) Photosystem II and Pigment Dynamics among Ecotypes of the Green Alga *Ostreococcus*. *Plant Physiology* 151:379-390.

Sourisseau M, Simard Y, Saucier FJ (2009) Krill diel vertical migration fine dynamics, nocturnal overturns, and their roles for aggregation in stratified flows (vol 65, pg 574, 2008). *Canadian Journal of Fisheries And Aquatic Sciences* 66:509-509.

St-Onge G, Long BF (2009) CAT-scan analysis of sedimentary sequences : An ultrahigh-resolution paleoclimatic tool. *Engineering Geology* 103:127-133.

Sundby B (2009) The sedimentary environment - A biogeochemical mosaic. *Geochimica Et Cosmochimica Acta* 73:A1295-A1295.

Tremblay G, Belzile C, Gosselin M, Poulin M, Roy S, Tremblay JE (2009) Late summer phytoplankton distribution along a 3500 km transect in Canadian Arctic waters : strong numerical dominance by picoeukaryotes. *Aquatic Microbial Ecology* 54:55-70.

Tremblay L, Gagne JP (2009) Organic matter distribution and reactivity in the waters of a large estuarine system. *Marine Chemistry* 116:1-12.

Vergilino R, Belzile C, Dufresne F (2009) Genome size evolution and polyploidy in the *Daphnia pulex* complex (Cladocera : Daphniidae). *Biological Journal of the Linnean Society* 97:68-79.

Waelbroeck C, Paul A, Kucera M, Rosell-Mele A, Weinelt M, Schneider R, Mix AC, Abelmann A, Armand L, Bard E, Barker S, Barrows TT, Benway H, Cacho I, Chen MT, Cortijo E, Crosta X, de Vernal A, Dokken T, Duprat J, Elderfield H, Eynaud F, Gersonde R, Hayes A, Henry M, Hillaire-Marcel C, Huang CC, Jansen E, Juggins S, Kallel N, Kiefer T, Kienast M, Labeyrie L, Leclaire H, Londeix L, Mangin S, Matthiessen J, Marret F, Meland M, Morey AE, Mulitza S, Pflaumann U, Pisias NG, Radi T, Rochon A, Rohling EJ, Sbaffi L, Schaefer-Neth C, Solignac S, Spero H, Tachikawa K, Turon JL (2009) Constraints on the magnitude and patterns of ocean cooling at the Last Glacial Maximum. *Nature Geoscience* 2:127-132.

Wang Xuejun, Lou Tao, Xie Huixiang (2009) Photochemical production of dissolved inorganic carbon from suwannee river humic acid. *Chinese Journal of Oceanology And Limnology* 27:570-573.

Weise AM, Cromey CJ, Callier MD, Archambault P, Chamberlain J, McKinsey CW (2009) Shell fish-DEPOMOD : Modelling the biodeposition from suspended shellfish aquaculture and assessing benthic effects. *Aquaculture* 288:239-253.

Winkler G, Leclerc V, Sirois P, Archambault P, Berube P (2009) Short-term impact of forest harvesting on water quality and zooplankton communities in oligotrophic headwater lakes of the eastern Canadian Boreal Shield. *Boreal Environment Research* 14:323-337.

Xie H, Belanger S, Demers S, Vincent WF, Papakyriakou TN (2009) Photobiogeochemical cycling of carbon monoxide in the southeastern Beaufort Sea in spring and autumn. *Limnology And Oceanography* 54:234-249.

Xie H, Zafiriou OC (2009) Evidence for significant photochemical production of carbon monoxide by particles in coastal and oligotrophic marine waters. *Geophysical Research Letters* 36:L23606.

Xie H, Zhang Y, Lemarchand K, Poulin P (2009) Microbial carbon monoxide uptake in the St. Lawrence estuarine system. *Marine Ecology Progress Series* 389:17-29.

Zuykov M, Pelletier E, Rouleau C, Popov L, Fowler SW, Orlova M (2009) Autoradiographic study on the distribution of Am-241 in the shell of the freshwater zebra mussel *Dreissena polymorpha*. *Microchimica Acta* 167:173-178.

de Montgolfier B, Faye A, Audet C, Cyr DG (2009) Seasonal variations in testicular connexin levels and their regulation in the brook trout, *Salvelinus fontinalis*. General And Comparative Endocrinology 162:276-285.