

Alla A, Mouneyrac C, Durou C, Moukrim A, Pellerin J (2006) Tolerance and biomarkers as useful tools for assessing environmental quality in the Oued Souss estuary (Bay of Agadir, Morocco). Comparative Biochemistry And Physiology C-Toxicology & Pharmacology 143:23-29.

Amiard J, Amiard-Triquet C, Barka S, Pellerin J, Rainbow P (2006) Metallothioneins in aquatic invertebrates : Their role in metal detoxification and their use as biomarkers. Aquatic Toxicology 76:160-202.

Bekri K, Saint-Louis R, Pelletier E (2006) Determination of tributyltin and 4-hydroxybutyldibutyltin chlorides in seawater by liquid chromatography with atmospheric pressure chemical ionization-mass spectrometry. Analytica Chimica Acta 578:203-212.

Belanger S, Xie H, Krotkov N, Larouche P, Vincent WF, Babin M (2006) Photomineralization of terrigenous dissolved organic matter in Arctic coastal waters from 1979 to 2003 : Interannual variability and implications of climate change. Global Biogeochemical Cycles 20:GB4005.

Belzile C, Demers S, Ferreyra GA, Schloss I, Nozais C, Lacoste K, Mostajir B, Roy S, Gosselin M, Pelletier E, Ganesella SMF, Vernet M (2006) UV effects on marine planktonic food webs : A synthesis of results from mesocosm studies. Photochemistry And Photobiology 82:850-856.

Belzile C, Guo L (2006) Optical properties of low molecular weight and colloidal organic matter : Application of the ultrafiltration permeation model to DOM absorption and fluorescence. Marine Chemistry 98:183-196.

Belzile C, Roesler C, Christensen J, Shakhova N, Semiletov I (2006) Fluorescence measured using the WETStar DOM fluorometer as a proxy for dissolved matter absorption. Estuarine Coastal And Shelf Science 67:441-449.

Bouchard JN, Roy S, Campbell DA (2006) UVB effects on the photosystem II-D1 protein of phytoplankton and natural phytoplankton communities. Photochemistry And Photobiology 82:936-951.

Bourgeois M, Brethes J, Nadeau M (2006) Substrate effects on survival, growth and dispersal of juvenile sea scallop, *Placopecten magellanicus* (Gmelin 1791). Journal of Shellfish Research 25:43-49.

Callier MD, Weise AM, McKinsey CW, Desrosiers G (2006) Sedimentation rates in a suspended mussel farm (Great-Entry Lagoon, Canada) : biodeposit production and dispersion. Marine Ecology Progress Series 322:129-141.

Cloutier D, LeCouturier MN, Amos CL, Hill PR (2006) The effects of suspended sediment concentration on turbulence in an annular flume. Aquatic Ecology 40:555-565.

Crowe SA, Magen C, Mucci A, Sundby B, Fowle DA (2006) Electrochemical investigation of bacterial Fe(III) reduction. Geochimica Et Cosmochimica Acta 70:A119-A119.

Cyr C, Cliche G, Desrosiers G, Myrand B (2006) Improving quality of sea scallop spat collection by a more accurate determination of the immersion period of collectors in Iles-de-la-Madeleine, Quebec, Canada. Journal of Shellfish Research 25:278-279.

Desjardins C, Gobeil C, Sundby B (2006) Suitability of fish scales as archives of temporal variations in ambient mercury levels in estuaries. Estuaries And Coasts 29:855-859.

Diaz S, Camilion C, Escobar J, Deferrari G, Roy S, Lacoste K, Demers S, Belzile C, Ferreyra G, Ganesella S, Gosselin M, Nozais C, Pelletier E, Schloss I, Vernet M (2006) Simulation of ozone depletion using ambient irradiance supplemented with UV lamps. Photochemistry And Photobiology 82:857-864.

Dufour SC, Felbeck H (2006) Symbiont abundance in thyasirids (Bivalvia) is related to particulate food and sulphide availability. *Marine Ecology Progress Series* 320:185-194.

Ferrero E, Eory M, Ferreyra G, Schloss I, Zagarese H, Vernet M, Momo F (2006) Vertical mixing and ecological effects of ultraviolet radiation in planktonic communities. *Photochemistry And Photobiology* 82:898-902.

Ferreyra GA, Mostajir B, Schloss IR, Chatila K, Ferrario ME, Sargian P, Roy S, Prod'homme J, Demers S (2006) Ultraviolet-B radiation effects on the structure and function of lower trophic levels of the marine planktonic food web. *Photochemistry And Photobiology* 82:887-897.

Gagne F, Blaise C, Pellerin J, Pelletier E, Strand J (2006) Health status of *Mya arenaria* bivalves collected from contaminated sites in Canada (Saguenay Fjord) and Denmark (Odense Fjord) during their reproductive period. *Ecotoxicology And Environmental Safety* 64:348-361.

Gargioni R, Filipak Neto F, Buchi DF, Randi MAF, Franco CRC, Paludo KS, Pelletier E, Ferraro MVM, Cestari MM, Bussolaro D, Oliveira Ribeiro CA (2006) Cell death and DNA damage in peritoneal macrophages of mice (*Mus musculus*) exposed to inorganic lead. *Cell Biology International* 30:615-623.

Garnerot F, Pellerin J, Blaise C, Mathieu M (2006) Immunohistochemical localization of serotonin (5-hydroxytryptamine) in the gonad and digestive gland of *Mya arenaria* (Mollusca : Bivalvia). *General And Comparative Endocrinology* 149:278-284.

Gauthier-Clerc S, Pellerin J, Amiard J (2006) Estradiol-17 beta and testosterone concentrations in male and female *Mya arenaria* (Mollusca bivalvia) during the reproductive cycle. *General And Comparative Endocrinology* 145:133-139.

Gauthier-Clerc S, Pellerin J, Fournier M, Amiard JC (2006) Immunological and biochemical responses in *Mya arenaria* (Mollusca Bivalvia) exposed in vivo to estradiol-17 beta. *Comparative Biochemistry And Physiology C-Toxicology & Pharmacology* 144:228-234.

Hernando M, Schloss I, Roy S, Ferreyra G (2006) Photoacclimation to long-term ultraviolet radiation exposure of natural sub-antarctic phytoplankton communities : Fixed surface incubations versus mixed mesocosms. *Photochemistry And Photobiology* 82:923-935.

Katsev S, Sundby B, Mucci A (2006) Modeling vertical excursions of the redox boundary in sediments : Application to deep basins of the Arctic Ocean. *Limnology And Oceanography* 51:1581-1593.

Le Clainche Y, Levasseur M, Vezina A, Bouillon R, Merzouk A, Michaud S, Scarratt M, Wong C, Rivkin R, Boyd P, Harrison P, Miller W, Law C, Saucier F (2006) Modeling analysis of the effect of iron enrichment on dimethyl sulfide dynamics in the NE Pacific (SERIES experiment). *Journal of Geophysical Research-Oceans* 111:C01011.

Le Fouest V, Zakardjian B, Saucier F, Cizmeli S (2006) Application of SeaWiFS- and AVHRR-derived data for mesoscale and regional validation of a 3-D high-resolution physical-biological model of the Gulf of St. Lawrence (Canada). *Journal of Marine Systems* 60:30-50.

Lemaire N, Pellerin J, Fournier M, Girault L, Tamigneaux E, Cartier S, Pelletier E (2006) Seasonal variations of physiological parameters in the blue mussel *mytilus* spp. from farm sites of eastern Quebec. *Aquaculture* 261:729-751.

Longhi ML, Ferreyra G, Schloss I, Roy S (2006) Variable phytoplankton response to enhanced UV-B and nitrate addition in mesocosm experiments at three latitudes (Canada, Brazil and Argentina). *Marine Ecology Progress Series* 313:57-72.

Lou T, Xie H (2006) Photochemical alteration of the molecular weight of dissolved organic matter. Chemosphere 65:2333-2342.

Lou T, Xie H, Chen G, Gagne JP (2006) Effects of photodegradation of dissolved organic matter on the binding of benzo(a)pyrene. Chemosphere 64:1204-1211.

Michaud E, Desrosiers G, Mermilliod-Blondin F, Sundby B, Stora G (2006) The functional group approach to bioturbation : II. The effects of the *Macoma balthica* community on fluxes of nutrients and dissolved organic carbon across the sediment-water interface. Journal of Experimental Marine Biology And Ecology 337:178-189.

Michaud MH, Pelletier E (2006) Sources and fate of butyltins in the St. Lawrence Estuary ecosystem. Chemosphere 64:1074-1082.

Mohovic B, Ganesella SMF, Laurion I, Roy S (2006) Ultraviolet B-photoprotection efficiency of mesocosm-enclosed natural phytoplankton communities from different latitudes : Rimouski (Canada) and Ubatuba (Brazil). Photochemistry And Photobiology 82:952-961.

Momo F, Ferrero E, Eory M, Esusy M, Iribarren J, Ferreyra G, Schloss I, Mostajir B, Demers S (2006) The whole is more than the sum of its parts : Modeling community-level effects of UVR in marine ecosystems. Photochemistry And Photobiology 82:903-908.

Mouneyrac C, Pellerin J, Moukrim A, Alla AA, Durou C, Viault N (2006) In situ relationship between energy reserves and steroid hormone levels in *Nereis diversicolor* (O.F. Willer) from clean and contaminated sites. Ecotoxicology And Environmental Safety 65:181-187.

Neto FF, Zanata SM, Randi MAF, Pelletier E, Ribeiro CAO (2006) Hepatocytes primary culture from the neotropical fish, trahira *Hoplias malabaricus* (Bloch). Journal of Fish Biology 69:1524-1532.

Neumeier U, Amos C (2006) The influence of vegetation on turbulence and flow velocities in European salt-marshes. Sedimentology 53:259-277.

Neumeier U, Amos CL (2006) Turbulence reduction by the canopy of coastal *Spartina* salt-marshes. Journal of Coastal Research :433-439.

Park CW, Simard Y, Bahoura M, Rouat J, Sirois M (2006) The remote monitoring system for the buoy to localize the whale by Labview. Oceans-Ieee :1815-+.

Pelletier E, Sargian P, Payet J, Demers S (2006) Ecotoxicological effects of combined UVB and organic contaminants in coastal waters : A review. Photochemistry And Photobiology 82:981-993.

Pernet F, Bricelj V, Cartier S (2006) Lipid class dynamics during larval ontogeny of sea scallops, *Placopecten magellanicus*, in relation to metamorphic success and response to antibiotics. Journal of Experimental Marine Biology And Ecology 329:265-280.

Pernet F, Tremblay R, Gonet C, Landry T (2006) Lipid remodeling in wild and selectively bred hard clams at low temperatures in relation to genetic and physiological parameters. Journal of Experimental Biology 209:4663-4675.

Ribeiro C, Neta F, Mela M, Silva P, Randi M, Rabitto I, Costa J, Pelletier E (2006) Hematological findings in neotropical fish *Hoplias malabaricus* exposed to subchronic and dietary doses of methylmercury, inorganic lead, and tributyltin chloride. Environmental Research 101:74-80.

- Richard M, Archambault P, Thouzeau G, Desrosiers G (2006) Influence of suspended mussel lines on the biogeochemical fluxes in adjacent water in the Iles-de-la-Madeleine (Quebec, Canada). Canadian Journal of Fisheries And Aquatic Sciences 63:1198-1213.
- Riedel A, Michel C, Gosselin M (2006) Seasonal study of sea-ice exopolymeric substances on the Mackenzie shelf : implications for transport of sea-ice bacteria and algae. Aquatic Microbial Ecology 45:195-206.
- Roy S, Mohovic B, Ganesella SMF, Schlissel I, Ferrario M, Demers S (2006) Effects of enhanced UV-B on pigment-based phytoplankton biomass and composition of mesocosm-enclosed natural marine communities from three latitudes. Photochemistry And Photobiology 82:909-922.
- Sammari C, Koutitonsky V, Moussa M (2006) Sea level variability and tidal resonance in the Gulf of Gabes, Tunisia. Continental Shelf Research 26:338-350.
- Siah A, Masson R, Loup B, Bultelle F, Pellerin J, Leboulenger F, Danger JM (2006) Molecular effects of TBT in gonads of males and females Mya arenaria. Marine Environmental Research 62:S170-S171.
- Simard Y, Bahoura M, Park CW, Rouat J, Sirois M, Mouy X, Seubaruth D, Roy N, Lepage R (2006) Development and experimentation of a satellite buoy network for real-time acoustic localization of whales in the St. Lawrence. Oceans-Ieee :253-+.
- Simard Y, Roy N, Gervaise C (2006) Shipping noise and whales : World tallest ocean liner vs largest animal on earth. Oceans-Ieee :259-+.
- Smith G, Saucier F, Straub D (2006) Formation and circulation of the cold intermediate layer in the Gulf of Saint Lawrence. Journal of Geophysical Research-Oceans 111:C06011.
- Smith GC, Saucier FJ, Straub D (2006) Response of the lower St. Lawrence Estuary to external forcing in winter. Journal of Physical Oceanography 36:1485-1501.
- Sourisseau M, Carlotti F (2006) Spatial distribution of zooplankton size spectra on the French continental shelf of the Bay of Biscay during spring 2000 and 2001. Journal of Geophysical Research-Oceans 111:C05S09.
- Sourisseau M, Simard Y, Saucier FJ (2006) Krill aggregation in the St. Lawrence system, and supply of krill to the whale feeding grounds in the estuary from the gulf. Marine Ecology Progress Series 314:257-270.
- Sundby B (2006) Transient state diagenesis in continental margin muds. Marine Chemistry 102:2-12.
- Teuten EL, Saint-Louis R, Pedler BE, Li Xu, Pelletier E, Reddy CM (2006) Expanding the range of brominated Q1 analogues. Marine Pollution Bulletin 52:578-582.
- Tremblay J, Michel C, Hobson K, Gosselin M, Price N (2006) Bloom dynamics in early opening waters of the Arctic Ocean. Limnology And Oceanography 51:900-912.
- Valadou B, Brethes JC, Inejih CAO (2006) Biological and ecological data of five Elasmobranch species from the waters of the Banc d'Arguin National Park (Mauritania).. Cybium 30:313-322.
- Van Hove P, Belzile C, Gibson J, Vincent W (2006) Coupled landscape-lake evolution in High Arctic Canada. Canadian Journal of Earth Sciences 43:533-546.
- Viglino L, Pelletier E, Lee L (2006) Butyltin species in benthic and pelagic organisms of the Saguenay Fjord (Canada) and imposex occurrence in common whelk (*Buccinum undatum*). Archives of Environmental Contamination And Toxicology 50:45-59.

Zhang Y, Xie H, Chen G (2006) Factors affecting the efficiency of carbon monoxide photoproduction in the St. Lawrence estuarine system (Canada). *Environmental Science & Technology* 40:7771-7777.

van den Belt M, Bianciotto OA, Costanza R, Demers S, Diaz S, Ferreyra GA, Koch EW, Momo FR, Vernet M (2006) Mediated modeling of the impacts of enhanced UV-B radiation on ecosystem services. *Photochemistry And Photobiology* 82:865-877.