

Al-Sid-Cheikh M, Rouleau C, Pelletier E (2013) Tissue distribution and kinetics of dissolved and nanoparticulate silver in Iceland scallop (*Chlamys islandica*). *Marine Environmental Research* 86:21-28.

Alou-Font E, Mundy CJ, Roy S, Gosselin M, Agusti S (2013) Snow cover affects ice algal pigment composition in the coastal Arctic Ocean during spring. *Marine Ecology Progress Series* 474:89-+.

Archambault PM, van de Belt TH, Grajales FJI, Faber MJ, Kuziemyky CE, Gagnon S, Bilodeau A, Rioux S, Nelen WLDM, Gagnon MP, Turgeon AF, Aubin K, Gold I, Poitras J, Eysenbach G, Kremer JAM, Legare F (2013) Wikis and Collaborative Writing Applications in Health Care : A Scoping Review. *Journal of Medical Internet Research* 15:4-38.

Ardyna M, Babin M, Gosselin M, Devred E, Belanger S, Matsuoka A, Tremblay JE (2013) Parameterization of vertical chlorophyll a in the Arctic Ocean : impact of the subsurface chlorophyll maximum on regional, seasonal, and annual primary production estimates. *Biogeosciences* 10:4383-4404.

Arnold AA, Byette F, Seguin-Heine MO, LeBlanc A, Sleno L, Tremblay R, Pellerin C, Marcotte I (2013) Solid-State NMR Structure Determination of Whole Anchoring Threads from the Blue Mussel *Mytilus edulis*. *Biomacromolecules* 14:132-141.

Awaleh MO, Ahmed MM, Soubaneh YD, Hoch FB, Bouh SM, Dirieh ES (2013) Wastewater reclamation using discarded reverse osmosis membranes for reuse in irrigation in Djibouti, an arid country. *Water Science And Technology* 67:1362-1369.

Belt ST, Brown TA, Ringrose AE, Cabedo-Sanz P, Mundy CJ, Gosselin M, Poulin M (2013) Quantitative measurement of the sea ice diatom biomarker IP25 and sterols in Arctic sea ice and underlying sediments : Further considerations for palaeo sea ice reconstruction. *Organic Geochemistry* 62:33-45.

Berdjeb L, Pelletier E, Pellerin J, Gagne JP, Lemarchand K (2013) Contrasting responses of marine bacterial strains exposed to carboxylated single-walled carbon nanotubes. *Aquatic Toxicology* 144:230-241.

Berdjeb L, Pollet T, Chardon C, Jacquet S (2013) Spatio-temporal changes in the structure of archaeal communities in two deep freshwater lakes. *Fems Microbiology Ecology* 86:215-230.

Bers AV, Momo F, Schloss IR, Abele D (2013) Analysis of trends and sudden changes in long-term environmental data from King George Island (Antarctica) : relationships between global climatic oscillations and local system response. *Climatic Change* 116:789-803.

Biron PM, Chone G, Buffin-Belanger T, Demers S, Olsen T (2013) Improvement of streams hydro-geomorphological assessment using LiDAR DEMs. *Earth Surface Processes And Landforms* 38:1808-1821.

Bougas B, Audet C, Bernatchez L (2013) The influence of parental effects on transcriptomic landscape during early development in brook charr (*Salvelinus fontinalis*, Mitchill). *Heredity* 110:484-491.

Bougas B, Normandeau E, Audet C, Bernatchez L (2013) Linking transcriptomic and genomic variation to growth in brook charr hybrids (*Salvelinus fontinalis*, Mitchill). *Heredity* 110:492-500.

Boutin S, Audet C, Derome N (2013) Probiotic treatment by indigenous bacteria decreases mortality without disturbing the natural microbiota of *Salvelinus fontinalis*. *Canadian Journal of Microbiology* 59:662-670.

Boutin S, Bernatchez L, Audet C, Derome N (2013) Network Analysis Highlights Complex Interactions between Pathogen, Host and Commensal Microbiota. *Plos One* 8:UNSP e84772.

Boyer-Villemaire U, St-Onge G, Bernatchez P, Lajeunesse P, Labrie J (2013) High-resolution multiproxy records of sedimentological changes induced by dams in the Sept-Iles area (Gulf of St. Lawrence, Canada). *Marine Geology* 338:17-29.

Briski E, Bailey SA, Casas-Monroy O, DiBacco C, Kaczmarska I, Lawrence JE, Leichsenring J, Levings C, MacGillivray ML, McKindsey CW, Nasmith LE, Parenteau M, Piercey GE, Rivkin RB, Rochon A, Roy S, Simard N, Sun B, Way C, Weise AM, MacIsaac HJ (2013) Taxon- and vector-specific variation in species richness and abundance during the transport stage of biological invasions. *Limnology And Oceanography* 58:1361-1372.

Burt A, Wang F, Pucko M, Mundy CJ, Gosselin M, Philippe B, Poulin M, Tremblay JE, Stern GA (2013) Mercury uptake within an ice algal community during the spring bloom in first-year Arctic sea ice. *Journal of Geophysical Research-Oceans* 118:4746-4754.

Casas-Monroy O, Roy S, Rochon A (2013) Dinoflagellate cysts in ballast sediments : differences between Canada's east coast, west coast and the Great Lakes. *Aquatic Conservation-Marine And Freshwater Ecosystems* 23:254-276.

Collin A, Archambault P, Planes S (2013) Bridging Ridge-to-Reef Patches : Seamless Classification of the Coast Using Very High Resolution Satellite. *Remote Sensing* 5:3583-3610.

Comeau AM, Philippe B, Thaler M, Gosselin M, Poulin M, Lovejoy C (2013) Protists in Arctic Drift and Land-Fast Sea Ice. *Journal of Phycology* 49:229-240.

Couturier CS, Andersen NG, Audet C, Chabot D (2013) Prey exoskeletons influence the course of gastric evacuation in Atlantic cod *Gadus morhua*. *Journal of Fish Biology* 82:789-805.

Crespel A, Bernatchez L, Audet C, Garant D (2013) Strain Specific Genotype-Environment Interactions and Evolutionary Potential for Body Mass in Brook Charr (*Salvelinus fontinalis*). *G3-Genes Genomes Genetics* 3:379-386.

Crespel A, Bernatchez L, Garant D, Audet C (2013) Genetically based population divergence in overwintering energy mobilization in brook charr (*Salvelinus fontinalis*). *Genetica* 141:51-64.

Daase M, Falk-Petersen S, Varpe O, Darnis G, Soreide JE, Wold A, Leu E, Berge J, Philippe B, Fortier L (2013) Timing of reproductive events in the marine copepod *Calanus glacialis* : a pan-Arctic perspective. *Canadian Journal of Fisheries And Aquatic Sciences* 70:871-884.

Debenest T, Gagne F, Burgeot T, Blaise C, Pellerin J (2013) DNA integrity assessment in hemocytes of soft-shell clams (*Mya arenaria*) in the Saguenay Fjord (Quebec, Canada). *Environmental Science And Pollution Research* 20:621-629.

Demers S, Buffin-Belanger T, Roy AG (2013) Macroturbulent coherent structures in an ice-covered river flow using a pulse-coherent acoustic Doppler profiler. *Earth Surface Processes And Landforms* 38:937-946.

Dupont-Prinet A, Pillet M, Chabot D, Hansen T, Tremblay R, Audet C (2013) Northern shrimp (*Pandalus borealis*) oxygen consumption and metabolic enzyme activities are severely constrained by hypoxia in the Estuary and Gulf of St. Lawrence. *Journal of Experimental Marine Biology And Ecology* 448:298-307.

Dupont-Prinet A, Vagner M, Chabot D, Audet C (2013) Impact of hypoxia on the metabolism of Greenland halibut (*Reinhardtius hippoglossoides*). *Canadian Journal of Fisheries And Aquatic Sciences* 70:461-469.

Fleet R, Archambault P, Legare F, Chauny JM, Levesque JF, Ouimet M, Dupuis G, Haggerty J, Poitras J, Tanguay A, Simard-Racine G, Gauthier J (2013) Portrait of rural emergency departments in Quebec and utilisation of the Quebec Emergency Department Management Guide : a study protocol. *Bmj Open* 3:e002961.

Flores-Vidal X, Flament P, Durazo R, Chavanne C, Gurgel KW (2013) High-Frequency Radars : Beamforming Calibrations Using Ships as Reflectors. *Journal of Atmospheric And Oceanic Technology* 30:638-648.

Fortin D, Francus P, Gebhardt AC, Hahn A, Kliem P, Lise-Pronovost A, Roychowdhury R, Labrie J, St-Onge G (2013) Destructive and non-destructive density determination : method comparison and evaluation from the Laguna Potrok Aike sedimentary record. *Quaternary Science Reviews* 71:147-153.

Frechette M, Urquiza JM, Daigle G, Maheux D, Dumais JF (2013) Self-thinning dynamics in experimental scallop populations. *Aquaculture International* 21:539-551.

Garrard SL, Hunter RC, Frommel AY, Lane AC, Phillips JC, Cooper R, Dineshram R, Cardini U, McCoy SJ, Arnberg M, Rodrigues Alves BG, Annane S, de Orte MR, Kumar A, Aguirre-Martinez GV, Maneja RH, Basallote MD, Ape F, Torstensson A, Bjoerk MM (2013) Biological impacts of ocean acidification : a postgraduate perspective on research priorities. *Marine Biology* 160:1789-1805.

Gauthier-Clerc S, Boily I, Fournier M, Lemarchand K (2013) In vivo exposure of *Mytilus edulis* to living enteric bacteria : a threat for immune competency ?. *Environmental Science And Pollution Research* 20:612-620.

Genard B, Miner P, Nicolas JL, Moraga D, Boudry P, Pernet F, Tremblay R (2013) Integrative Study of Physiological Changes Associated with Bacterial Infection in Pacific Oyster Larvae. *Plos One* 8:e64534.

Gendron L, Tremblay R, Belvin S, Genard B, Motnikar S, Cote J (2013) Condition, survival and growth in situ of hatchery-reared stage IV lobster (*Homarus americanus*) fed *Artemia* and lipid-rich wild zooplankton. *Aquaculture* 416:380-389.

Girard JM, Deschenes JS, Tremblay R, Gagnon J (2013) FT-IR/ATR univariate and multivariate calibration models for in situ monitoring of sugars in complex microalgal culture media. *Bioresource Technology* 144:664-668.

Gracia S, Roy S, Starr M (2013) Spatial distribution and viability of *Alexandrium tamarense* resting cysts in surface sediments from the St. Lawrence Estuary, Eastern Canada. *Estuarine Coastal And Shelf Science* 121:20-32.

Graham JA, Heywood KJ, Chavanne CP, Holland PR (2013) Seasonal variability of water masses and transport on the Antarctic continental shelf and slope in the southeastern Weddell Sea. *Journal of Geophysical Research-Oceans* 118:2201-2214.

Guyard H, Chapron E, St-Onge G, Labrie J (2013) Late-Holocene NAO and oceanic forcing on high-altitude proglacial sedimentation (Lake Bramant, Western French Alps). *Holocene* 23:1163-1172.

Harvey E, Seguin A, Nozais C, Archambault P, Gravel D (2013) Identity effects dominate the impacts of multiple species extinctions on the functioning of complex food webs. *Ecology* 94:169-179.

Hennebicq R, Fabra G, Pellerin C, Marcotte I, Myrand B, Tremblay R (2013) The effect of spawning of cultured mussels (*Mytilus edulis*) on mechanical properties, chemical and biochemical composition of byssal threads. *Aquaculture* 410:11-17.

Higgins MD, Lajeunesse P, St-Onge G, Sanfacon R, Duchesne M (2013) Impact Breccia Clast From the Corossol Crater, Canada. *Meteoritics & Planetary Science* 48:A162-A162.

Kinda GB, Simard Y, Gervaise C, Mars JI, Fortier L (2013) Under-ice ambient noise in Eastern Beaufort Sea, Canadian Arctic, and its relation to environmental forcing. *Journal of the Acoustical Society of America* 134:77-87.

Kliem P, Enters D, Hahn A, Ohlendorf C, Lise-Pronovost A, St-Onge G, Wastegard S, Zolitschka B (2013) Lithology, radiocarbon chronology and sedimentological interpretation of the lacustrine record from Laguna Potrok Aike, southern Patagonia. *Quaternary Science Reviews* 71:54-69.

Lacasse O, Rochon A, Roy S (2013) High cyst concentrations of the potentially toxic dinoflagellate *Alexandrium tamarense* species complex in Bedford Basin, Halifax, Nova Scotia, Canada. *Marine Pollution Bulletin* 66:230-233.

Lajeunesse P, St-Onge G, Locat J, Duchesne MJ, Higgins MD, Sanfacon R, Ortiz J (2013) The Corossol structure : A possible impact crater on the seafloor of the northwestern Gulf of St. Lawrence, Eastern Canada. *Meteoritics & Planetary Science* 48:2542-2558.

Lapoussiere A, Michel C, Gosselin M, Poulin M, Martin J, Tremblay JE (2013) Primary production and sinking export during fall in the Hudson Bay system, Canada. *Continental Shelf Research* 52:62-72.

Le Bihanic F, Couillard CM, Rigaud C, Legare B (2013) A simple and reliable in vivo EROD activity measurement in single *Fundulus heteroclitus* embryo and larva. *Marine Environmental Research* 84:17-23.

Le Fouest V, Zakardjian B, Xie H, Raimbault P, Joux F, Babin M (2013) Modeling plankton ecosystem functioning and nitrogen fluxes in the oligotrophic waters of the Beaufort Sea, Arctic Ocean : a focus on light-driven processes. *Biogeosciences* 10:4785-4800.

Le Mer C, Roy RL, Pellerin J, Couillard CM, Maltais D (2013) Effects of chronic exposures to the herbicides atrazine and glyphosate to larvae of the threespine stickleback (*Gasterosteus aculeatus*). *Ecotoxicology And Environmental Safety* 89:174-181.

Lemaire N, Pelletier E (2013) Chemical and Microbial Contamination Baseline in the Saguenay-St. Lawrence Marine Park (Eastern Canada) : Concentrations and Fluxes From Land-Based Sources. *Archives of Environmental Contamination And Toxicology* 65:421-433.

Link H, Chaillou G, Forest A, Piepenburg D, Archambault P (2013) Multivariate benthic ecosystem functioning in the Arctic - benthic fluxes explained by environmental parameters in the southeastern Beaufort Sea. *Biogeosciences* 10:5911-5929.

Link H, Piepenburg D, Archambault P (2013) Are Hotspots Always Hotspots ? The Relationship between Diversity, Resource and Ecosystem Functions in the Arctic. *Plos One* 8:UNSP e74077.

Lise-Pronovost A, St-Onge G, Gogorza C, Haberzettl T, Preda M, Kliem P, Francus P, Zolitschka B (2013) High-resolution paleomagnetic secular variations and relative paleointensity since the Late Pleistocene in southern South America. *Quaternary Science Reviews* 71:91-108.

Luoto TP, Salonen VP, Larocque-Tobler I, Pienitz R, Hausmann S, Guyard H, St-Onge G (2013) Pro- and postglacial invertebrate communities of Pingualuit Crater Lake, Nunavik (Canada), and their paleoenvironmental implications. *Freshwater Science* 32:951-963.

Madison AS, Tebo BM, Mucci A, Sundby B, Luther GWI (2013) Abundant Porewater Mn(III) Is a Major Component of the Sedimentary Redox System. *Science* 341:875-878.

Martin J, Dumont D, Tremblay JE (2013) Contribution of subsurface chlorophyll maxima to primary production in the coastal Beaufort Sea (Canadian Arctic) : A model assessment. *Journal of Geophysical Research-Oceans* 118:5873-5886.

Montero-Serrano JC, Frank N, Tisnerat-Laborde N, Colin C, Wu CC, Lin K, Shen CC, Copard K, Orejas C, Gori A, De Mol L, Van Rooij D, Reverdin G, Douville E (2013) Decadal changes in the mid-depth water mass dynamic of the Northeastern Atlantic margin (Bay of Biscay). *Earth And Planetary Science Letters* 364:134-144.

Montes-Hugo MA, Mohammadpour G (2013) Satellite-derived suspended particulates in the Saint Lawrence Estuary : uncertainties due to bottom effects. *Canadian Journal of Remote Sensing* 39:444-454.

Moreau S, di Fiori E, Schloss IR, Almandoz GO, Esteves JL, Paparazzo FE, Ferreyra GA (2013) The role of phytoplankton composition and microbial community metabolism in sea-air ΔpCO_2 variation in the Weddell Sea. *Deep-Sea Research Part I-Oceanographic Research Papers* 82:44-59.

Moritz C, Levesque M, Gravel D, Vaz S, Archambault D, Archambault P (2013) Modelling spatial distribution of epibenthic communities in the Gulf of St. Lawrence (Canada). *Journal of Sea Research* 78:75-84.

Moritz C, Meynard CN, Devictor V, Guizien K, Labrune C, Guarini JM, Mouquet N (2013) Disentangling the role of connectivity, environmental filtering, and spatial structure on metacommunity dynamics. *Oikos* 122:1401-1410.

Normandeau A, Lajeunesse P, St-Onge G (2013) Shallow-water longshore drift-fed submarine fan deposition (Moisie River Delta, Eastern Canada). *Geo-Marine Letters* 33:391-403.

Oliveira HHP, Babin M, Esquivel Garcia JR, Filipak Neto F, Randi MAF, Oliveira Ribeiro CA, Pelletier E (2013) Complex metabolic interactions between benzo(a)pyrene and tributyltin in presence of dichlorodiphenyltrichloroethane in South American catfish *Rhamdia quelen*. *Ecotoxicology And Environmental Safety* 96:67-74.

Olivier F, San Martin G, Archambault P (2013) A new species of *Streptospinigera* Kudenov, 1983 (Polychaeta, Syllidae, Anoplosyllinae) from the Arctic and north-western Atlantic with a key to all species of the genus. *Polar Biology* 36:1499-1507.

Perez V, Olivier F, Tremblay R, Neumeier U, Thebault J, Chauvaud L, Meziane T (2013) Trophic resources of the bivalve, *Venus verrucosa*, in the Chausey archipelago (Normandy, France) determined by stable isotopes and fatty acids. *Aquatic Living Resources* 26:229-239.

Pineault S, Tremblay JE, Gosselin M, Thomas H, Shadwick E (2013) The isotopic signature of particulate organic C and N in bottom ice : Key influencing factors and applications for tracing the fate of ice-algae in the Arctic Ocean. *Journal of Geophysical Research-Oceans* 118:287-300.

Polyak L, Best KM, Crawford KA, Council EA, St-Onge G (2013) Quaternary history of sea ice in the western Arctic Ocean based on foraminifera. *Quaternary Science Reviews* 79:145-156.

Pomar L, Morsilli M, Hallock P, Badenas B, Bourgault D (2013) Reply to Shanmugam, G., comment on "Internal waves, an underexplored source of turbulence events in the sedimentary record" by Pomar et al. [*Earth-Science Reviews*, 111 (2012), 56-811, *Earth Science Reviews* (2012)]. *Earth-Science Reviews* 116:206-210.

Potvin E, Rochon A, Lovejoy C (2013) CYST-THECA RELATIONSHIP OF THE ARCTIC DINOFLAGELLATE CYST *ISLANDINIUM MINUTUM* (DINOPHYCEAE) AND PHYLOGENETIC POSITION BASED ON SSU rDNA AND LSU rDNA. *Journal of Phycology* 49:848-866.

Radi T, Bonnet S, Cormier MA, de Vernal A, Durantou L, Faubert E, Head MJ, Henry M, Pospelova V, Rochon A, Van Nieuwenhove N (2013) Operational taxonomy and (paleo-)autecology of round, brown, spiny dinoflagellate cysts from the Quaternary of high northern latitudes. *Marine Micropaleontology* 98:41-57.

Richard D, Madison A, Sundby B, Mucci A, Luther GWI (2013) Transport of soluble manganese from sediment to overlying water column. Abstracts of Papers of the American Chemical Society 245 :.

Richard D, Sundby B, Mucci A (2013) Kinetics of manganese adsorption, desorption, and oxidation in coastal marine sediments. *Limnology And Oceanography* 58:987-996.

Richards C, Bourgault D, Galbraith PS, Hay A, Kelley DE (2013) Measurements of shoaling internal waves and turbulence in an estuary. *Journal of Geophysical Research-Oceans* 118:273-286.

Rigaud C, Couillard CM, Pellerin J, Legare B, Gonzalez P, Hodson PV (2013) Relative potency of PCB126 to TCDD for sublethal embryotoxicity in the mummichog (*Fundulus heteroclitus*). *Aquatic Toxicology* 128:203-214.

Robert P, Mckindsey CW, Chaillou G, Archambault P (2013) Dose-dependent response of a benthic system to biodeposition from suspended blue mussel (*Mytilus edulis*) culture. *Marine Pollution Bulletin* 66:92-104.

Rodriguez-Blanco A, Duval A, Pelletier E, Delille D, Ghiglione JF (2013) Effects of temperature and fertilization on the structure of total versus active bacterial communities from sub-Antarctic seawater exposed to crude oil and diesel fuel. *Polar Research* 32:18521.

Roger J, Saint-Ange F, Lajeunesse P, Duchesne MJ, St-Onge G (2013) Late Quaternary glacial history and meltwater discharges along the Northeastern Newfoundland Shelf. *Canadian Journal of Earth Sciences* 50:1178-1194.

Salcedo-Castro J, Bourgault D, Bentley SJ, deYoung B (2013) Non-hydrostatic modeling of cohesive sediment transport associated with a subglacial buoyant jet in glacial fjords : A process-oriented approach. *Ocean Modelling* 63:30-39.

Salvo F, Dufour SC, Archambault P, Stora G, Desrosiers G (2013) Spatial distribution of *Alitta virens* burrows in intertidal sediments studied by axial tomodesitometry. *Journal of the Marine Biological Association of the United Kingdom* 93:1543-1552.

Seychelles LH, Doiron K, Audet C, Tremblay R, Pernet F, Lemarchand K (2013) Impact of arachidonic acid enrichment of live rotifer prey on bacterial communities in rotifer and larval fish cultures. *Canadian Journal of Microbiology* 59:189-196.

Simpson KG, Tremblay JE, Brugel S, Price NM (2013) Nutrient dynamics in the western Canadian Arctic. II. Estimates of new and regenerated production over the Mackenzie Shelf and Cape Bathurst Polynya. *Marine Ecology Progress Series* 484:47-62.

Song G, Xie H, Belanger S, Leymarie E, Babin M (2013) Spectrally resolved efficiencies of carbon monoxide (CO) photoproduction in the western Canadian Arctic : particles versus solutes. *Biogeosciences* 10:3731-3748.

St-Onge P, Sevigny JM, Strasser C, Tremblay R (2013) Strong population differentiation of softshell clams (*Mya arenaria*) sampled across seven biogeographic marine ecoregions : possible selection and isolation by distance. *Marine Biology* 160:1065-1081.

Taalba A, Xie H, Scarratt MG, Belanger S, Levasseur M (2013) Photooxidation of dimethylsulfide (DMS) in the Canadian Arctic. *Biogeosciences* 10:6793-6806.

Tanguy M, McKenna P, Gauthier-Clerc S, Pellerin J, Danger JM, Siah A (2013) Functional and molecular responses in *Mytilus edulis* hemocytes exposed to bacteria, *Vibrio splendidus*. *Developmental And Comparative Immunology* 39:419-429.

Tardy-Laporte C, Arnold AA, Genard B, Gastineau R, Morançais M, Mouget JL, Tremblay R, Marcotte I (2013) A H-2 solid-state NMR study of the effect of antimicrobial agents on intact *Escherichia coli* without mutating. *Biochimica Et Biophysica Acta-Biomembranes* 1828:614-622.

Tardy-Laporte C, Brisebois PP, Arnold AA, Mouget JL, Tremblay R, Marcotte I (2013) Probing the Membrane Interaction of Antimicrobial Agents In Vivo with Intact Bacteria by ²H NMR. *Biophysical Journal* 104:20A-20A.

Truchon MH, Measures L, L'Herault V, Brethes JC, Galbraith PS, Harvey M, Lessard S, Starr M, Lecomte N (2013) Marine Mammal Strandings and Environmental Changes : A 15-Year Study in the St. Lawrence Ecosystem. *Plos One* 8:e59311.

Vagner M, de Montgolfier B, Sevigny JM, Tremblay R, Audet C (2013) Expression of genes involved in key metabolic processes during winter flounder (*Pseudopleuronectes americanus*) metamorphosis. *Canadian Journal of Zoology-Revue Canadienne De Zoologie* 91:156-163.

Williams TD, Bennetts LG, Squire VA, Dumont D, Bertino L (2013) Wave-ice interactions in the marginal ice zone. Part 1 : Theoretical foundations. *Ocean Modelling* 71:81-91.

Williams TD, Bennetts LG, Squire VA, Dumont D, Bertino L (2013) Wave-ice interactions in the marginal ice zone. Part 2 : Numerical implementation and sensitivity studies along 1D transects of the ocean surface. *Ocean Modelling* 71:92-101.

Youcef WA, Lambert Y, Audet C (2013) Spatial distribution of Greenland halibut *Reinhardtius hippoglossoides* in relation to abundance and hypoxia in the estuary and Gulf of St. Lawrence. *Fisheries Oceanography* 22:41-60.

Zhong X, Berdjeb L, Jacquet S (2013) Temporal dynamics and structure of picocyanobacteria and cyanomyoviruses in two large and deep peri-alpine lakes. *Fems Microbiology Ecology* 86:312-326.

Zonneveld KAF, Marret F, Versteegh GJM, Bogus K, Bonnet S, Bouimetarhan I, Crouch E, de Vernal A, Elshanawany R, Edwards L, Esper O, Forke S, Grosfeld K, Henry M, Holzwarth U, Kieft JF, Kim SY, Ladouceur S, Ledu D, Chen L, Limoges A, Londeix L, Lu SH, Mahmoud MS, Marino G, Matsouka K, Matthiessen J, Mildenhall DC, Mudie P, Neil HL, Pospelova V, Qi Y, Radi T, Richerol T, Rochon A, Sangiorgi F, Solignac S, Turon JL, Verleye T, Wang Y, Wang Z, Young M (2013) Atlas of modern dinoflagellate cyst distribution based on 2405 data points. *Review of Palaeobotany And Palynology* 191:1-197.

Zuykov M, Pelletier E, Harper DAT (2013) Bivalve mollusks in metal pollution studies : From bioaccumulation to biomonitoring. *Chemosphere* 93:201-208.

Zuykov M, Pelletier E, Kolyuchkina G (2013) SEM observation of structural (non-mineralogical) alteration inside the previously crystallized nacreous layer of *Crenomytilus grayanus* (Bivalvia : Mytilidae). *Micron* 44:479-482.

de Vernal A, Hillaire-Marcel C, Rochon A, Frechette B, Henry M, Solignac S, Bonnet S (2013) Dinocyst-based reconstructions of sea ice cover concentration during the Holocene in the Arctic Ocean, the northern North Atlantic Ocean and its adjacent seas. *Quaternary Science Reviews* 79:111-121.

de Vernal A, Rochon A, Frechette B, Henry M, Radi T, Solignac S (2013) Reconstructing past sea ice cover of the Northern Hemisphere from dinocyst assemblages : status of the approach. *Quaternary Science Reviews* 79:122-134.