

Ocean Science Division – 1000 Publications from OSD Publication database

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Please note:

- The first 100 references have been annotated for subject area category
- “OSD authors” include visiting scientists and staff from Environment Canada stationed at IOS and working on seabirds.

- 1) Ikonomou et al. 2011 Residues of Polybrominated Diphenyl Ethers (PBDEs) in North-Eastern Pacific Marine Fish: Evidence for Spatial and Temporal trends. *Environ.Toxicol.Chem.*
Ref ID: 1280 *Contaminants*
- 2) Alkire, M.B., Falkner, K.K., Boyd, T., and **Macdonald, R.W.** 2011. Sea-ice melt and meteoric water distributions in Baffin Bay and the Canadian Arctic Archipelago. *J.Mar.Res.*
Ref ID: 1335 *Climate change, Arctic; Ecosystems*
- 3) Amyot, M., Barkay, T., Berg, R., Chetelat, J., Constant, P., Dommergue, A., Evans, M., Ferrari, C., Gantner, K., Johnson, M., Kirk, J., Kroer, N., Larose, C., Lean, D., Loseto, L., **Macdonald, R.W.**, Muir, D., Nielsen, T.G., Outridge, P.M., Poulain, A., Poissant, L., Rognerud, S., Skov, H., Sorenson, S., Wang, F., and Zdanowicz, C. 2011. What is the fate of mercury entering the Arctic environment. *In Arctic Monitoring and Assessment Program - Mercury Assessment.*
Ref ID: 1338 *Climate change, Contaminants, Arctic; Oceans Management; Ecosystems; Other*
- 4) Arora, V.K., Scinocca, J., Boer, G.J., **Christian, J.R.**, **Denman, K.L.**, Flato, G., Kharin, V.V., Lee, W.G., and Merryfield, W.J. 2011. Carbon emission limits required to satisfy future representative concentration pathways of greenhouse gases. *Geophys.Res.Letts.*
Ref ID: 1336 *Climate change,*
- 5) Aryal, U.K., Krochko, J., and **Ross, A.R.S.** 2011. Phosphoproteomic analysis of *Arabidopsis thaliana* mature leaf using optimized polyethylene glycol fractionation, protein IMAC, 3-DE and mass spectrometry. *Molecular and Cellular Proteomics.*
Ref ID: 1342 *Other*
- 6) Batchelder, H.P., **Mackas, D.**, and O'Brien, T. 2011. Spatial-temporal scales of synchrony in marine zooplankton biomass and abundance patterns: a world-wide comparison. *Progress in Oceanography.*
Ref ID: 1296 *Climate change, Ecosystems*
- 7) Beaudin, L., Johannessen, S.C., and Macdonald, R.W. 2011. Coupling laser ablation and atomic fluorescence spectrophotometry: an example using mercury analysis of small sections of fish scales. *Analytical Chemistry.*
Ref ID: 1267 *Contaminants, Ecosystems ; Other*
- 8) Benoit, P., Vagle, S., Wrohan, I., and Varela, D.E. 2011. Biologically-induced changes in subarctic Pacific surface waters determined from underwater dissolved oxygen and nitrogen measurements, 2007 and 2008. *Marine Chemistry.*
Ref ID: 1294 *Climate change, Ecosystems*
- 9) Bianucci, L., Denman, K.L., and Ianson, D. 2011. Low Oxygen and high inorganic carbon on the Vancouver Island shelf. *J.Geophys.Res.*
Ref ID: 1262 *Climate change, Ecosystems ; Other*
- 10) Bornhold, B.D., Mazzotti, S., and Thomson, R.E. 2011. Projected Relative Sea Level Changes for British Columbia during the 21st Century. *Innovation.*
Ref ID: 1166 *Climate change, Other*
- 11) Borstad, G., Crawford, W.R., Hipfner, J.M., Thomson, R., and Hyatt, K. 2011. Environmental control of the breeding success of rhinoceros auklets at Triangle Island, BC. *Ecology Progress Series* **424**: 302.
Ref ID: 1356 *Climate change, Ecosystems ; Other*

- 12) Carmack,E. and McLaughlin,F. 2011. Recognizing present and future change in subarctic and Arctic Seas. Progress in Oceanography.
Ref ID: 1149 *Climate change, Arctic; Oceans Management; Ecosystems* ;
- 13) Carmack,E. and Melling,H. 2011. Warmth from the deep. News and Views. Nature-Geoscience **4**: 7-8.
Ref ID: 1318 *Climate change, Arctic; Ecosystems* ;
- 14) Carmack,E. and McLaughlin,F. 2011. Towards recognition of physical and geochemical change in subarctic and arctic seas. Progress in Oceanography.
Ref ID: 1317 *Climate change, Arctic; Ecosystems* ;
- 15) Carmack,E., McLaughlin,F., Vagle,S., Melling,H., and Williams,W.J. 2011. Towards a long-term climate monitor of the three oceans surrounding Canada. Atmosphere-Ocean.
Ref ID: 1159 *Climate change, Arctic; Ecosystems* ;
- 16) Carmack,E., Williams,W., Zimmermann,S., and McLaughlin,F. 2011. Observed geothermal heating of old Canada Basin Bottom Water. Geophys.Res.Letts.
Ref ID: 1323 *Climate change, , Arctic;; Ecosystems* ;
- 17) Chant,T., Wang,R., Olson,D.J.H., Mousseau,D.D., Ross,A.R., and Wu,L. 2011. Modification of AKT1 by methylglyoxal promotes the proliferation of vascular smooth muscle cells. Journal of Biological Chemistry.
Ref ID: 1287 *Other*
- 18) Chierici,M., Fransson,A., Lansard,B., Miller,L.A., Mucci,A., Shadwick,E., Thomas,H., Tremblay,J.-E., and Papakyriakou,T.N. 2011. The impact of biogeochemical processes and environmental factors on the calcium carbonate saturation state in the Circumpolar Flaw Lead in the Amundsen Gulf, Arctic Ocean. J.Ge.
Ref ID: 1352 *Climate change, Arctic; Ecosystems* ;
- 19) Crawford,R.E., Vagle,S., and Carmack,E. 2011. Water mass and bathymetric characteristics of Arctic cod habitat along the continental shelf and slope of the Beaufort and Chukchi seas. Polar Biology.
Ref ID: 1325 *Climate change, Arctic; Oceans Management; Ecosystems*
- 20) Crawford,W.R. 2011. News of the Northeast Pacific Ocean. PICES Press.
Ref ID: 1343 *Climate change,; Ecosystems* ; *Other*
- 21) Dallimore,A., Enkin,R.J., Peinitz,J., Southon,J., Baker,J., Wright,C.A., Pedersen,T., Calvert,S.E., and Thomson,R.E. 2011. Post-glacial evolution of a Pacific coastal fjord in British Columbia, Canada: interactions of sea-level change, crustal response, and environmental fluctuations based on MONA Core MD02-2494. Quaternary Science.
Ref ID: 837 *Climate change; Ecosystems* ; *Other*
- 22) Denman,K.L., Christian,J.R., Steiner,N., Portner,H.O., and Nojiri,Y. 2011. Potential impacts of future ocean acidification on marine ecosystems and fisheries. ICES Journal of Marine Sciences.
Ref ID: 1272 *Climate change, Contaminants; Oceans Management; Ecosystems ;Aquaculture; Other*
- 23) Ebbesmeyer,C.C., Drost,H., Belkin,I.M., and Carmack,E. 2011. Bottles and Buoys Define the Atlantic Subarctic Gyre. EOS, Transactions, American Geophysical Union.
Ref ID: 1209 *Climate change,; Ecosystems* ; *Other*
- 24) Ebbesmeyer,C.C., Belkin,I.M., Drost,H., Zimmermann,S., and Carmack,E. 2011. Wall across the Atlantic: Drift Bottles released by students confirm that the Gulf Stream prevents subarctic surface drifters from escaping south. Oceanography **24**: 111-112.
Ref ID: 1331 *Climate change, Management; Ecosystems* ; *Other*
- 25) Else,B., Papakyriakou,T.N., Galley,R.J., Drennan,W.M., Miller,L.A., and Thomas,H. 2011. Eddy covariance measurements of wintertime CO₂ fluxes in an arctic polynya: Evidence for enhanced gas transfer during ice formation. J.Geophys.Res.
Ref ID: 1270 *Climate change, , Arctic;; Ecosystems*

- 26) Emery,W.J., Strub,T., leben,R., Foreman,M., McWilliams,J.C., Han,g., Ladd,C., and Ueno,H. 2011. Satellite altimetry applications off the coasts of North America. *In Coastal Altimetry. Edited by S.Vignudelli, A.Kostianoy, P.Cipollini, and J.Benveniste. Springer-Verlag, Berlin, 565pp pp. 417-451.*
Ref ID: 1339 *Climate change,; Ecosystems Other*
- 27) Falkner,K.K., O'Brien,M.C., Carmack,E., McLaughlin,F., Melling,H., Münchow,A., and Jones,E.P. 2011. Implications of nutrient variability in passages of the Canadian Archipelago and Baffin Bay for fresh water through-flow and local productivity. *J.Geophys.Res.*
Ref ID: 694 *Climate change, , Arctic;; Ecosystems ;*
- 28) Foreman,M.G.G., Stucchi,D.J., Garver,K.A., Tuele,D., Isaac,J., Grime,T., and Guo,M. 2011. Trends in upwelling and downwelling winds along the British Columbia shelf. *J.Geophys.Res.*
Ref ID: 1340 *Climate change, Ecosystems ;*
- 29) Foreman,M.G.G., Stucchi,D.J., Garver,K.A., Tuele,D., Isaac,J., Grime,T., and Guo,M. 2011. A circulation model for the Discovery Islands, British Columbia. *Atmosphere-Ocean.*
Ref ID: 1341 *Ecosystems ;Aquaculture;*
- 30) Gillespie,A.W., Farrell,R.E., Walley,F.L., Ross,A.R., Leinweber,P., Eckhardt,K.-U., Regier,T.Z., and Blyth,R.I.R. 2011. Glomalin-related soil protein contains non-mycorrhizal related heat-stable proteins, thioredoxin, lipids and humic materials. *Soil Biology and Biochemistry.*
Ref ID: 1288 *Other*
- 31) Gower,J. and King,S. 2011. Distribution of floating Sargassum in the Gulf of Mexico and Atlantic Ocean mapped using MERIS. *Journal of Remote Sensing.*
Ref ID: 1302 *Ecosystems Other*
- 32) Grant,P., Johannessen,S.C., Macdonald,R.W., Yunker,M., Sanborn,M., Dangerfield,N., Wright,C.A., and Ross,P.S. 2011. Environmental fractionation of PCBs and PBDEs during particle transport as recorded by sediments in coastal waters. *Environ.Toxicol.Chem.* **30**.
Ref ID: 1351 *Contaminants*
- 33) Guill,C., Drossel,B., Just,W., and Carmack,E. 2011. Pacific salmon oscillations are due to a strong resonance. *Theoretical Ecology.*
Ref ID: 1322
- 34) Harner,T., Bartlett,P., Dawson,J., Guardans,R., Gusev,A., Hung,H., Li,Y.F., Ma,J.M., Macdonald,R.W., and Shatalov,V. 2011. Conceptual Overview: Purpose of the HTAP 2010 Assessment on POPs. *In 2010 Assessment Hemispheric Atmosphere Transport of Pollution.* pp. 1-33.
Ref ID: 1337 *Climate change, Contaminants, Arctic;; Ecosystems*
- 35) Holloway,G., Nguyen,T., and Wang,Z. 2011. Oceans and ocean models as seen by current meters. *J.Geophys.Res.*
Ref ID: 1345 *Climate change, Ecosystems ; Other*
- 36) Hunt,B., Strugnell,J., Bednarsek,N., Linse,K., Nelson,R.J., Pakhomov,E., Seibel,B., Steinke,D., and Wurzburg,L. 2011. Poles Apart: The "Bipolar" Pteropod Species *Limacina helicina* is genetically distinct between the Arctic and Antarctic Oceans. *Unknown.*
Ref ID: 1157 *Climate change, Arctic; Oceans Management; Ecosystems ;*
- 37) Ianson,D., Allen,S.E., Mackas,D., Trevorrow,M.V., Benfield,M.C., and Tsurumi,M. 2011. Response of *Euphausia pacifica* to small-scale shear in turbulent flow over a sill in a fjord. *Mar.Ecol.Prog.Ser.*
Ref ID:; *Ecosystems ; Other*
- 38) Ianson,D., Volker,C., Denman,K.L., Kunze,E., and Steiner,N. 2011. The effect of vertical and horizontal dilution on fertilized patch experiments. *Global Biogeochemical Cycles.*
Ref ID: 1329 *Climate change,; Oceans Management; Ecosystems ;; Other*

- 39) Itoh,M., Shimada,K., Kamoshida,T., McLaughlin,F., Carmack,E.C., and Nishino,S. 2011. Interannual variability in Pacific winter water inflow through Barrow Canyon from 2000 to 2006. J.Geophys.Res.
Ref ID: 1090 *Climate change, , Arctic; Ecosystems ;*
- 40) Ivanochko,T.S., Calvert,S.E., Thomson,R.E., and Pedersen,T. 2011. Geochemical reconstruction of Pacific Decadal variability from the Eastern North Pacific during the Late Holocene. Can.J.Earth Sciences.
Ref ID: 1098 *Climate change, Ecosystems ; Other*
- 41) Jackson,J.M., Allen,S.E., Carmack,E.C., McLaughlin,F., and Woodgate,R.A. 2011. Changes in near-surface waters in the Canada Basin, Arctic ocean, from 1993 to 2009: a basin in transition. J.Geophys.Res.
Ref ID: 1321 *Climate change,; Ecosystems*
- 42) Kallenborn,R., Macdonald,R.W., Halsall,C., Pawlak,J., and Bidleman,T.F. 2011. Snow, Water, Ice and Permafrost in the Arctic (SWIPA): Contaminant Pathways and Change in the Cryosphere. Arctic Monitoring and Assessment Programme **Norway**.
Ref ID: 1248 *Climate change, Contaminants, Arctic;; Ecosystems ; Other*
- 43) Kelly,B.C., Ikonomou,M.G., MacPherson,N., Sampson,T., Patterson,D.A., and Dubetz,C. 2011. Tissue residue concentrations of organohalogens and trace elements in adult Pacific Salmon returning to the Fraser River, British Columbia. Environ.Toxicol.Chem.
Ref ID: 1278 *Contaminants,; Ecosystems ; Other*
- 44) King,J.R., Agostini,V.N., Harvey,C.J., McFarlane,G., Foreman,M.G.G., Overland,J., Di Lorenzo,E., bond,N.A., and Aydin,K. 2011. Climate Forcing and the California Current Ecosystem. ICES Journal of Marine Sciences.
Ref ID: 1298 *Climate change,; Ecosystems*
- 45) Kramer,D., Cullen,J.T., Christian,J.R., Johnson,W.K., and Pedersen,T.F. 2011. Silver in the subarctic northeast Pacific Ocean. Marine Chemistry.
Ref ID: 1344, *Contaminants, Other*
- 46) Kuzyk,Z.A., Macdonald,R.W., Stern,G.A., and Gobeil,C. 2011. Inferences about the modern organic carbon cycle from diagenesis of redox-sensitive elements in Hudson Bay. J.Marine Systems.
Ref ID: 1256 *Climate change, Contaminants, Arctic;; Ecosystems ;*
- 47) Lansard,B., Mucci,A., Miller,L.A., Macdonald,R.W., and Gratton,Y. 2011. Seasonal variability of water mass distribution in the southeaster Beaufort Sea determined by total alkalinity and $\delta^{18}\text{O}$. J.Geophys.Res.
Ref ID: 1347 *Climate change, , Arctic;; Ecosystems ;*
- 48) Laval,B.E., Carmack,E., Vagle,S., Potts,D.J., Sentlinger,G., James,C., Morrison,J., and McLaughlin,F. 2011. The joint effects of thermal, riverine and wind forcing on dimictic fjord lakes: a case study. Journal of Hydraulic Engineering.
Ref ID: 1293 *Climate change; Ecosystems; Other*
- 49) Leising,A.W., Bessey,C., Johnson,C., Runge,J.A., Peterson,W., Galbraith,M., and Mackas,D. 2011. Effects of climate variability on dormancy and population of 1 dynamics of *Calanus pacificus* and *Calanus marshallae* within the California current, I: An inter-regionals data comparison. Unknown.
Ref ID: 1295 *Climate change,; Ecosystems ; Other*
- 50) Li, W., Carmack, E., Ulloa, O., Nelson, J., McLaughlin, F., and Archibald, J. The prokaryote to eukaryote ratio in epipelagic marine microbes. Proceeding of the National Academy of Science (PNAS). 2011. Proceeding of the National Academy of Science (PNAS).
Ref ID: 1104 *Climate change,; Ecosystems*
- 51) Mackas,D. and Galbraith,M. 2011. Pteropod time series from the NE Pacific. ICES Journal of Marine Sciences.
Ref ID: 1349 *Climate change,; Ecosystems ;*
- 52) Mackas,D., Greve,W., Edwards,M., Chiba,S., Tadokoro,K., Eloire,D., Mazzocchi,G., Batten,S.D., Richardson,A., Johnson,C., Head,E., and Conversi,A. 2011. Changing zooplankton seasonality in a changing ocean: Comparing time series of zooplankton phenology. Progress in Oceanography.
Ref ID: 1348 *Climate change; Ecosystems ;*

- 53) Mackas,D.L. 2011. Does blending of chlorophyll data bias temporal trend? *Nature* **472**.
Ref ID: 1350 *Climate change; Ecosystems* ;
- 54) McClelland,J.W., Holmes,R.M., Dunton,K.H., and Macdonald,R.W. 2011. The Arctic Ocean Estuary. *Estuaries and Coasts: Perspectives in Estuarine and Coastal Science*.
Ref ID: 1252 *Climate change, Contaminants, Arctic; Oceans Management; Ecosystems*
- 55) Melling,H. 2011. The Thickness of Arctic Pack Ice - Advances and Challenges. *In Chapter 3 in The ACSYS Decade and Beyond*. Springer.
Ref ID: 897 *Climate change, , Arctic; Ecosystems ; Other*
- 56) Miller,L.A., Papakyriakou,T.N., Collins,R.E., Deming,J.W., Ehn,J., Macdonald,R.W., Mucci,A., Owens,O., Raudsepp,M., and Sutherland,N. 2011. Carbon dynamics in Sea Ice: A winter Flux Time Series. *J.Geophys.Res.* **116**.
Ref ID: 1201 *Climate change, , Arctic;; Ecosystems* ;
- 57) Miller,L.A., Carnat,G., Else,B., Sutherland,N., and Papakyriakou,T.N. 2011. Carbonate System Evolution in Autumn Sea Ice. *J.Geophys.Res.*
Ref ID: 1354 *Climate change, Arctic; Ecosystems*
- 58) Munchow,A., Falkner,K.K., Melling,H., rabe,B., and Johnson,H.L. 2011. Ocean Warming and Freshening of Nares Strait Bottom Waters off NW Greenland 2003-09. *Oceanography*.
Ref ID: 1353 *Climate change, , Arctic;; Ecosystems* ;
- 59) Nicol,S., Clarke,J., Romaine,S.J., Kawagucchi,S., Williams,G., and Hosie,G.W. 2011. Krill abundance and Adelie penguin breeding performances in the waters off the Bechervaise Island colony, East Antarctica in two years with contrasting ecological conditions. *Unknown*.
Ref ID: 1132 *Climate change;ecosystems ; Other*
- 60) O'Brien,M.C., Macdonald,R.W., Melling,H., and Pedneault,E. 2011. The role of eddies and other energetic events in the transport of sediment from shelf to basin in the Arctic. *Geophy.Res.Letts*.
Ref ID: 1228, *Arctic; Ecosystems ; Other*
- 61) Papakyriakou,T.N. and Miller,L. 2011. Springtime CO₂ exchange over seasonal sea ice in the Canadian Arctic Archipelago . *Annals of Glaciology* **52**: 215-224.
Ref ID: 1247 *Climate change, Arctic;;*
- 62) Polyakov,I., Alexeev,v.a., Ashik,I., Bacon,S., Beszczynska-Moller,A., Carmack,E., Dmitrenko,I., Fortier,L., Gascard,J.C., Hansen,E., Holemman,J., ivanov,V.V., Kikuchi,T., Kirillov,s., Lenn,Y.-D., McLaughlin,F., Piechura,J., Repina,I., Timokhov,L., Walczowski,W., and Woodgate,R.A. 2011. NOWCAST: Fate of mid-2000's Arctic warm water pulse. *Bull.Amer.Meteor.Soc*.
Ref ID: 1316 *Climate change, Arctic;; Ecosystems* ;
- 63) Polyakov,I., Pnyushkov,A., Rember,A., ivanov,V.V., Lenn,Y.-D., and Carmack,E.C. 2011. Mooring-based observations of teh double-diffusive staircases over the Laptev Sea slope. *J.Phys.Oceano*.
Ref ID: 1320, *Arctic; Other*
- 64) Proshutinsky,A., Gerdes,R., Holland,D., Holloway,G., and Steele,M. 2011. AOMIP:coordinated activities to improve models and model predictions. *Unknown*.
Ref ID: 988 *Climate change, , Arctic; Ecosystems Other*
- 65) Pucko,M., Stern,G.A., Macdonald,R.W., Barber,D., and Rosenberg,B. 2011. The influence of the atmosphere-snow-ice-ocean interactions on the levels of hexachlorocyclohexanes (HCHs) in the Arctic cryosphere. *J.Geophys.Res.*
Ref ID: 1300, *Contaminants, Arctic;; Ecosystems* ;
- 66) Pucko,M., Stern,G.A., Macdonald,R.W., and Barber,D. 2011. α - and β -hexachlorocyclohexand (HCH) measurements in the brine fraction 1 of sea ice in the Canadian High Arctic using a sump-hole technique. *Envion.Sci.Tehno* **44**: 9258-9264.
Ref ID: 1299, *Contaminants, Arctic;; Ecosystems* ;

- 67) rabe,B., Munchow,A., Johnson,H., and Melling,H. 2011. Nares Strait hydrography and salinity field from a three-year moored array. *J.Geophys.Res.*
Ref ID: 1227 *Arctic*;
- 68) Rabinovich,A.B., Candella,R., and Thomson,R.E. 2011. Energy decay of the 2004 Sumatra tsunami in the World Ocean. *Pure and Applied Geophysics.*
Ref ID: 1313, *Tsunamis*,
- 69) Rabinovich,A.B., Stroker,K., and Thomson,R.E. 2011. High-resolution observations of the 2004 Sumatra tsunami in the abyssal northeast Pacific. *Nature-Geoscience.*
Ref ID: 1314 *Tsunamis*
- 70) Roemmich,D., Belbeoch,M., Freeland,H.J., Garzoli,S., Gould,J., Grant,F., Ignaszewski,M., King,B., Klein,B., Letraon,P.-Y., Mork,K.-A., Owens,B., Ravichandran,M., Riser,S., Sterl,A., Suga,T., Suk,M.-S., Sutton,P., Thierry,V., Velez-Belchi,P., Wijffels,S., and Xu,J. 2011. Argo-A decade of progress. *OceanObs'09 White Paper.*
Ref ID: 1290 *Climate change, Oceans Management; Ecosystems ; Other*
- 71) Rudels,B., Anderson,L., Bjork,G., Fahrbach,E., Jones,E.P., Melling,H., Prinsenberg,S., and Schauer,U. 2011. ACSYS Achievements-Ocean. *In* Chapter 2 in *Arctic climate change - the ACSYS decade and beyond*, Springer. Springer.
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- 72) Satake,K., Rabinovich,A.B., Kanoglu,U., and Tinti,S. 2011. Introduction to Tsunamis in the World Ocean: past, Present, and Future. Volume I. *Pure and Applied Geophysics* **167**.
Ref ID: 1312 *Tsunamis*
- 73) Schloss,I.R., Nozais,C., Mas,S., Carmack,E., Van Hardenberg,B., Brugel,S., Tremblay,J.-E., and Demers,S. 2011. Pico- and nanoplankton in the southeastern Beaufort Sea (Mackenzie Shelf - Amundsen Gulf) during fall 2002. *Journal of Marine Systems.*
Ref ID: 1040, *Arctic; Ecosystems*
- 74) Steiner,N., Robert,M., Arychuk,M.D., Levasseur,M., Merzouk,A., Pena,A., Richardson,W.A., and Tortell,P.D. 2011. A decade of DMS measurements and modelling in the Northeast subarctic Pacific (2000-2010). *Biogeochemistry.*
Ref ID: 1355 *Climate change; Ecosystems ; Other*
- 75) Stucchi,D., Guo,M., Foreman,M.G.G., Czajko,P., Galbraith,M., Mackas,D., and Gillibrand,P. 2011. Modelling sea lice production and concentrations in the Broughton Archipelago, British Columbia. *In* *Salmon Lice: An Integrated Approach to Understanding Parasite Abundance and Distribution. Edited by S.Jones and R.J.Beamish.* John Wiley & Sons.
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- 76) Thomas,H., Shadwick,E., Dehairs,F., Lansard,B., Navez,J., Gratton,Y., Prowe,F., Mucci,A., Chierici,M., Fransson,A., Papakyriakou,T.N., Sternberg,E., and Miller,L.A. 2011. Barium and Carbon fluxes in the Canadian Arctic Archipelago. *Geochim.Cosmochim.Acta.*
Ref ID: 1254 *Climate change, Arctic;; Ecosystems ;*
- 77) Thomson,R. and Hourston,R. 2011. A matter of timing: The role of ocean conditions in the initiation of spawning migration by Late-run Fraser River sockeye salmon. *Fisheries Oceanography.*
Ref ID: 1244 *Climate change,; Ecosystems ; Other*
- 78) Thomson,R.E. and Hourston,R. 2011. A matter of timing: the role of ocean conditions in the initiation of spawning migration by late-run Fraser River sockeye salmon (*Onchorhynchus nerka*). *Fisheries Oceanography* **20**: 47-65.
Ref ID: 1327 *Climate change, Ecosystems ; Other*
- 79) Torres,M.E., Zima,D., Falkner,K.K., Macdonald,R.W., O'Brien,M.C., Schone,B., and Siferd,T. 2011. Hydrographic changes in Nares Strait (Canadian Arctic Archipelago) in recent decades based on δ^{18} profiles of bivalve shells. *Arctic.*
Ref ID: 1258 *Climate change, , Arctic;; Ecosystems*

- 80) Uchimoto,K., Nakamura,T., Hishioka,J., Mitsudera,H., Yamamot-Kawai,M., Misumi,K., and Tsumune,D. 2011. Simulations of chlorofluorocarbons in and around the Sea of Okhotsk: Effects of tidal mixing and brine rejection on the ventilation. J.Geophys.Res.
Ref ID: 1265 *Climate change*
- 81) Vagle,S., Gemmrich,J.R., and Czerski,H. 2011. Effect of upper ocean stratification on turbulence and optically active bubbles. J.Geophys.Res.
Ref ID: 1357 *Other*
- 82) Vagle,S., McNeil,C., and Steiner,N. 2011. Upper ocean bubble measurements from the NE Pacific and estimates of their role in air-sea gas transfer of the weakly soluble gases nitrogen and oxygen. J.Geophys.Res.
Ref ID: 1213 *Climate change;Ecosystems*
- 83) Wang,Z., Holloway,G., and Hannah,C. 2011. effects of parameterized eddy stress on heat and freshwater transports through Fram Strait. J.Geophys.Res.
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- 84) Williams,W.J. and Carmack,E. 2011. Upwelling and downwelling at the shelfbreak of the Beaufort Sea in the Arctic Ocean driven by along-shelf wind-stress. J.Mar.Res.
Ref ID: 1150 *Climate change, Arctic; Ecosystems ;*
- 85) Wurl,O., Wurl,E., Miller,L.A., Johnson,K., and Vagle,S. 2011. Formation and global distribution of sea-surface microlayers. Biogeosci.
Ref ID: 1269 *Other*
- 86) Yamamoto-Kawai,M., Carmack,E., McLaughlin,F., and Falkner,K.K. 2011. Freshwater sources to the Arctic throughflow along the North American coast from the Pacific to the Atlantic inferred from oxygen isotope ratio and barium data. Arctic.
Ref ID: 1094 *Climate change, Arctic; Ecosystems ;*
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Ref ID: 1266 *Climate change, Arctic;; Ecosystems*
- 88) Archambault,P., Snelgrove,P., Fisher,J.A.D., Gagnon,J.-M., Garbary,D.J., Harvey,M., Kenchington,E.L., Lesage,V., Levesque,M., Lovejoy,C., Mackas,D., McKindsey,C.W., Nelson,J.R., Pepin,P., Piche,L., and Poulin,M. 2010. From Sea to Sea: Canada's Three Oceans of Biodiversity. PLoS ONE 5: e12182.
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