

CANADIAN ANTARCTIC BIBLIOGRAPHY, 2008–09*

(authors with Canadian affiliations are underlined)

compiled by

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Canadian Committee on Antarctic Research, October 2009

- Ainley, D.G. and L.K. Blight. 2009. Ecological repercussions of historical fish extraction from the Southern Ocean. *Fish and Fisheries*, **10**(1), 13–38.
- Ainley, D.G. and L.K. Blight. In review. Climate effects on Southern Ocean top predator populations: fisheries depletion is part of the story. *The Pacific Seabird Group Special International Meeting 2007, 4–7 October 2007, Lugang, Taiwan, ROC. Proceedings*. Arcata, CA, Pacific Seabird Group.
- Ainley, D.G. and L.K. Blight. In review. Ecological repercussions of fish extraction from the Southern Ocean: a rapid ecosystem change event. *The Pacific Seabird Group Special International Meeting 2007, 4–7 October 2007, Lugang, Taiwan, ROC. Proceedings*. Arcata, CA, Pacific Seabird Group.
- Ainley, D. and 10 others (including L.K. Blight). In press. Impacts of cetaceans on the structure of Southern Ocean food webs. *Mar. Mammal Sci.* (10.1111/j.1748-7692.2009.00337.x.)
- Aislabie, J. and J. Foght. 2008. Chapter 4. Hydrocarbon-degrading bacteria in contaminated cold soils. In Filler, D., I. Snape and D. Barnes, eds. *Bioremediation of petroleum hydrocarbons in cold regions*. Cambridge, Cambridge University Press, 69–83.
- Aislabie, J. and J.M. Foght. In press. Chapter 9. Response of polar soil bacterial communities to fuel spills. In Bej, A.K., J. Aislabie and R.M. Atlas, eds. *Polar microbiology: the ecology, biodiversity and bioremediation potential of microorganisms in extremely cold environments*. Boca Raton, FL, CRC Press; Routledge, Taylor & Francis.
- Almandoz, G.O. and 7 others (including G.A. Ferreyra and I.R. Schloss). 2008. Distribution and ecology of *Pseudo-nitzschia* species (Bacillariophyceae) in surface waters of the Weddell Sea (Antarctica). *Polar Biol.*, **31**(4), 429–442.
- André, M.-F., K. Hall, P. Bertran and J. Arocena. 2008. Stone runs in the Falklands: periglacial or tropical? *Geomorphology*, **95**(3–4), 524–543.
- Atencio, A.G., M.L. Bertolin, L. Longhi, G.A. Ferreyra, M.E. Ferrario and I.R. Schloss. 2008. Spatial and temporal variability of chlorophyll-*a* and particulate organic matter in the sediments and the water column of Potter Cove, Antarctica. *Ber. Polar Meeresforsch./Rep. Pol. Mar. Res.* 571, 154–161.
- Atkinson, A., V. Siegel, E.A. Pakhomov, M.J. Jessopp and V. Loeb. 2009. A re-appraisal of the total biomass and annual production of Antarctic krill. *Deep-Sea Res. I*, **56**(5), 727–740.
- Azeem, I., D.J. McEwen, G.G. Sivjee and V.N. Kravets. 2008. Multi-instrument observations of dayside auroral emission dynamics at South Pole. In Klepikov, A., ed. *Polar Research: Arctic and Antarctic Perspective in the International Polar Year. SCAR/IASC IPY Open Science Conference, 8–11 July 2008, St. Petersburg, Russia. Abstract volume*. Saint Petersburg, Elektronstandart-Print Joint-Stock Company. Arctic and Antarctic Research Institute, 307–308. (Abstract S2.3/O10.)
- Baker, M.G., S. Lalonde, K. Konhauser and J. Foght. 2008. The influence of extracellular polymeric substances on the chemical reactivity of *Hymenobacter aerophilus*, a psychrotolerant bacterium. *3rd International Conference on Polar and Alpine Microbiology, Banff, Alberta, Canada, 11–15 May 2008. Program & abstracts*. Edmonton, Alta., University of Alberta. Department of Biological Sciences, 28. (Abstract PA-07.)

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- Barber, L., P. Collin, L. Malo, N. Snape and S. Roy. 2008. Projet Ant-Arctique - a classroom approach to polar research. *Arctic Change 2008, Conference Programme and Abstracts/Programme et résumés de la conférence, 9–12 December/décembre 2008, Québec.* Québec, Qué., Université Laval. ArcticNet Inc., 176.
- Barnes-Connell, V.G. 2009. Ashley Dubnick researching in Antarctica. La Ronge Northerner, Thursday, 22 October, digital media. (www.townoflaronge.ca/TheNortherner/Story.php?id=535.)
- Bergmann, M. and J. Tomkins. 2008. Polar Continental Shelf Project: 50 years of supporting Arctic science. *Arctic Change 2008, Conference Programme and Abstracts/Programme et résumés de la conférence, 9–12 December/décembre 2008, Québec.* Québec, Qué., Université Laval. ArcticNet Inc., 181.
- Bertolin, M.L. and I.R. Schloss. 2009. Phytoplankton production after the collapse of the Larsen A Ice Shelf, Antarctica. *Polar Biol.*, **32**(10), 1435–1446.
- Blight, L.K. and D.G. Ainley. 2008. Letters. Southern Ocean not so pristine. *Science*, **321**(5895), 1443–1444.
- Blight, L.K. and E.J. Woehler. 2008. First record of a broad-billed prion *Pachyptila vittata* at Coronation Island, South Orkney Islands. *Mar. Ornithol.*, **36**(2), 191.
- Campana, C., F. Momo, M.L. Quartino and G.A. Ferreyra. 2008. Effects of UV radiation and grazing on biomass and primary production of subtidal benthic algae in Antarctica. *Ber. Polar Meeresforsch./Rep. Pol. Mar. Res.* 571, 278–286.
- Campana, G.L., F.R. Momo, G.A. Ferreyra and M.L. Quartino. 2009. Short term UV effects on trophic interactions between *Gondogeneia antarctica* and *Palmaria decipiens*: effects on feeding rates and algal palatability. *Workshop on the response of marine and terrestrial biota along the Western Antarctic Peninsula to climate change – and the global context of the observed change, 24–29 August 2009, Mądralin, Poland. Program and abstracts.* Warsaw, Polish Academy of Sciences.
- Carleer, M.R. and 25 others (including C.D. Boone, K.A. Walker, P.F. Bernath, K. Strong, R.J. Sica, J. Kar, C.E. Sioris, M.R.M. Izawa, C.T. McElroy, J.R. Drummond, C.R. Nowlan, J. Zou and F. Nichitiu). 2008. Validation of water vapour profiles from the Atmospheric Chemistry Experiment (ACE). *Atmos. Chem. Phys. Discuss. (ACPD)*, **8**(2), Special Issue, 4499–4559.
- Chang, C. and 43 others (SPT Collaboration: including M.A. Dobbs, G.P. Holder, T.M. Lanting, L. Shaw, K. Vanderlinde and T. de Haan). 2009. SPT-SZ: a SZ survey for galaxy clusters. *LTD-13, Thirteenth International Workshop on Low Temperature Detectors, July 19–24 2009, Stanford University / SLAC. Abstracts book.* Menlo Park, CA, Stanford University. SLAC National Accelerator Laboratory, 190. (Abstract 216.)
- Clerbaux, C. and 51 others (including K.A. Walker, P. Bernath, C. Boone, J. Drummond, K. Strong and A. Wiacek). 2008. CO measurements from the ACE-FTS satellite instrument: data analysis and validation using ground-based, airborne and spaceborne observations. *Atmos. Chem. Phys. (ACP)*, **8**(9), Special Issue, 2569–2594.
- Cogley, G. 2009. Disintegrating ice shelves. *environmentalresearchweb*, digital media. (<http://environmentalresearchweb.org/blog/2009/05/disintegrating-ice-shelves.html>.)
- Cogley, G. 2009. Dynamic thinning: just add warm water? *environmentalresearchweb*, digital media. (<http://environmentalresearchweb.org/blog/2009/10/dynamic-thinning-just-add-warm.html>.)
- Cogley, G. 2009. Fjords and unstable glacier behaviour. *environmentalresearchweb*, digital media. (<http://environmentalresearchweb.org/blog/2009/09/fjords-and-unstable-glacier-be.html>.)
- Cogley, G. 2009. Greenhouse gas and the Gamburtsev Mountains. *environmentalresearchweb*, digital media. (<http://environmentalresearchweb.org/blog/2009/08/greenhouse-gas-and-the-gamburt.html>.)
- Cogley, G. 2009. One of glaciology's bigger surprises. *environmentalresearchweb*, digital media. (<http://environmentalresearchweb.org/blog/2009/06/one-of-glaciologys-bigger-surp.html>.)
- Cogley, G. 2009. Out-of-the-way glaciers. *environmentalresearchweb*, digital media. (<http://environmentalresearchweb.org/blog/2009/10/out-of-the-way-glaciers.html>.)
- Cogley, G. 2009. PDFs, fat tails and collapsing ice sheets. *environmentalresearchweb*, digital media. (<http://environmentalresearchweb.org/blog/2009/07/pdfs-fat-tails-and-collapsing.html>.)
- Cogley, G. 2009. Things that live in glaciers. *environmentalresearchweb*, digital media.

(<http://environmentalresearchweb.org/blog/2009/10/things-that-live-in-glaciers.html>.)

Copland, L. 2009. IPY Antarctic University Expedition: February 2009. *CARN Newsl.*, **26**, 1–2.

Crevier, Y., K. Jezek, M. Drinkwater and E. Sarukhanian. 2008. An acquisition strategy for SAR and InSAR data - coordinated response of the space agencies to IPY science objectives. In Klepikov, A., ed. *Polar Research: Arctic and Antarctic Perspective in the International Polar Year. SCAR/IASC IPY Open Science Conference, 8–11 July 2008, St. Petersburg, Russia. Abstract volume*. Saint Petersburg, Elektronstandart-Print Joint-Stock Company. Arctic and Antarctic Research Institute, 408. (Abstract S4.3/O03.)

Curtosi, A., É. Pelletier, C. Vodopivec and W.P. Mac Cormack. 2008. Distribution pattern of polycyclic aromatic hydrocarbons in soil, surface marine sediments and suspended particulate matter in the seawater column near Jubany Station (Antarctica). *Ber. Polar Meeresforsch./Rep. Pol. Mar. Res.* **571**, 348–356.

Curtosi, A., É. Pelletier, C.L. Vodopivec and W.P. MacCormack. 2008. Permafrost acting as a low-permeability barrier for downward migration of polycyclic aromatic hydrocarbons in Antarctica. In Klepikov, A., ed. *Polar Research: Arctic and Antarctic Perspective in the International Polar Year. SCAR/IASC IPY Open Science Conference, 8–11 July 2008, St. Petersburg, Russia. Abstract volume*. Saint Petersburg, Elektronstandart-Print Joint-Stock Company. Arctic and Antarctic Research Institute, 118. (Abstract S1.3/P03.)

Curtosi, A., É. Pelletier, C.L. Vodopivec and W.P. Mac Cormack. 2009. Distribution of PAHs in the water column, sediments and biota of Potter Cove, South Shetland Islands, Antarctica. *Ant. Sci.*, **21**(4), 329–339.

Dalla Rosa, L., E.R. Secchi, Y.G. Maia, A.N. Zerbini and M.P. Heide-Jørgensen. 2008. Movements of satellite-monitored humpback whales on their feeding ground along the Antarctic Peninsula. *Polar Biol.*, **31**(7), 771–781.

Danskin, D.W., L. Trichtchenko and D.B. Boteler. 2008. Space weather events detected by globally-distributed riometers. In Klepikov, A., ed. *Polar Research: Arctic and Antarctic Perspective in the International Polar Year. SCAR/IASC IPY Open Science Conference, 8–11 July 2008, St. Petersburg, Russia. Abstract volume*. Saint Petersburg, Elektronstandart-Print Joint-Stock Company. Arctic and Antarctic Research Institute, 308. (Abstract S2.3/O11.)

Daidsen, J. and J. Griffin. 2009. Volatility of unevenly sampled fractional Brownian motion: an application to ice core records. [Abstract.] *Eos, Trans. AGU*, **90**(22), Jt. Assem. Suppl., NG33B-07.

Davis, C.S., I. Stirling, C. Strobeck and D.W. Coltman. 2008. Population structure of ice-breeding seals. *Mol. Ecol.*, **17**(13), 3078–3094.

Delille, D., A. Duval and É. Pelletier. 2008. Highly efficient pilot biopiles for on-site fertilization treatment of diesel oil-contaminated sub-Antarctic soil. *Cold Reg. Sci. Technol.*, **54**(1), 7–18.

Delille, D., É. Pelletier and F. Coulon. 2009. Chapter 13. Do fertilizers help in effective bioremediation of polycyclic aromatic hydrocarbons in polar soils? In Bej, A.K., J. Aislabie and R.M. Atlas, eds. *Polar microbiology: the ecology, biodiversity and bioremediation potential of microorganisms in extremely cold environments*. Boca Raton, FL, CRC Press; Routledge, Taylor & Francis, 303–315.

Delille, D., É. Pelletier, A. Rodriguez-Blanco and J.-F. Ghiglione. 2009. Effects of nutrient and temperature on degradation of petroleum hydrocarbons in sub-Antarctic coastal seawater. *Polar Biol.*, **32**(10), 1521–1528.

Ditullio, G.R. and 9 others (including P.D. Tortell). 2008. Effects of environmental and climate change variables on Controlling the Ross Sea Algal Community Structure (CORSACS). In Klepikov, A., ed. *Polar Research: Arctic and Antarctic Perspective in the International Polar Year. SCAR/IASC IPY Open Science Conference, 8–11 July 2008, St. Petersburg, Russia. Abstract volume*. Saint Petersburg, Elektronstandart-Print Joint-Stock Company. Arctic and Antarctic Research Institute, 222. (Abstract S1.8/O20.)

Douglas, M.S.V., L. Copland and G. Green. 2008. An IPY university course ship-based Antarctic expedition 2009. In Klepikov, A., ed. *Polar Research: Arctic and Antarctic Perspective in the International Polar Year. SCAR/IASC IPY Open Science Conference, 8–11 July 2008, St. Petersburg, Russia. Abstract volume*. Saint Petersburg, Elektronstandart-Print Joint-Stock Company. Arctic and Antarctic Research Institute, 324. (Abstract S2.4/P02.)

Dupuy, E. and 110 others (including K.A. Walker, J. Kar, C.D. Boone, C.T. McElroy, P.F. Bernath, J.R. Drummond, R. Skelton, S.D. McLeod, R.C. Hughes, C.R. Nowlan, D.G. Dufour, J. Zou, F. Nichitiu, K. Strong, A.E. Bourassa,

- D.A. Degenstein, B. Firanski, G. Forbes, C.S. Haley, J. J. Jin, E.J. Llewellyn, N.D. Lloyd, J.C. McConnell, C.A. McLinden, S.V. Petelina, C. Roth, K.B. Strawbridge, M. Wolff. 2009. Validation of ozone measurements from the Atmospheric Chemistry Experiment (ACE). *Atmos. Chem. Phys. (ACP)*, **9**(2), Special Issue, 287–343.
- Ejiri, M.K., T. Nakamura, T.D. Kawahara, G.G. Shepherd, J.D. Oberheide and K. Shiokawa. 2009. Investigation of longitudinal variation by using sodium temperature lidar measurements. [Abstract.] *Eos, Trans. AGU*, **90**(22), Jt. Assem. Suppl., SA34A-04.
- Eyles, N. 2008. Glacio-epochs and the supercontinent cycle after ~3.0 Ga: tectonic boundary conditions for glaciation. *Palaeogeogr., Palaeoclimatol., Palaeoecol.*, **258**(1–2), 89–129.
- Fagundes, N.J.R. and 7 others (including L.Dalla Rosa). 2008. Mitochondrial DNA diversity of the Southwestern Atlantic humpback whale (*Megaptera novaeangliae*) breeding area off Brazil, and the potential connections to Antarctic feeding areas. *Conserv. Genetics*, **9**(5), 1253–1262.
- Fan, Z., K.A. Walker and R.J. Sica. 2008. Interhemispheric differences in the structure of the polar summer mesopause using ACE-FTS measurements. *CMOS 2008 Congress, Water, Weather, Climate: Science Informing Decisions, Canadian Meteorological and Oceanographical Society, 25–29 May 2008, Kelowna, British Columbia. Program and abstracts*. Ottawa, Ont., Canadian Meteorological and Oceanographic Society, digital media. (Abstract 2569.) (www1.cmos.ca/Amsoft%20Web%20Data/upload/abstracts112/2008-05-28archive.html.)
- Fan, Z.Y., R.J. Sica, K.A. Walker and C. Boone. 2008. An ACE-FTS climatology of temperature, relative humidity and polar mesospheric clouds. [Abstract.] *Eos, Trans. AGU*, **89**(53), Fall Meet. Suppl., A51A-0074.
- Ferreyra, G., I. Schloss, G. Mercuri, L. Ferreyra and K.-U. Richter. 2008. The potential ecological significance of dissolved and particulate matter in the water column of Potter Cove, King George Island (Isla 25 de Mayo), South Shetland Islands. *Ber. Polar Meeresforsch./Rep. Pol. Mar. Res.* 571, 47–55.
- Ferreyra, G.A. and 6 others (including I.R. Schloss). 2008. A synthesis on UVR biological effects research in the water column of Potter Cove. *Ber. Polar Meeresforsch./Rep. Pol. Mar. Res.* 571, 234–242.
- Flores, H., C. Haas, J.A. van Franeker and E. Meesters. 2008. Density of pack-ice seals and penguins in the western Weddell Sea in relation to ice thickness and ocean depth. *Deep-Sea Res. II*, **55**(8–9), 1068–1074.
- Freise, M., F. Holtz, M. Nowak, J.S. Scoates and H. Strauss. In press. Differentiation and crystallization conditions of basalts from the Kerguelen large igneous province: an experimental study. *Contrib. Mineral. Petrol.* (10.1007/s00410-009-0394-5.)
- Fuentes, V., S.B. Schnack-Schiel, I.R. Schloss and G.B. Esnal. 2008. Mesozooplankton of Potter Cove: community composition and seasonal distribution in 2002 and 2003. *Ber. Polar Meeresforsch./Rep. Pol. Mar. Res.* 571, 75–84.
- Fujimura, K.E., K.N. Egger, R. Upson, K.K. Newsham and D.J. Read. 2008. Characterization of root-associated fungi from High Arctic tundra and similarity to Antarctic fungal communities. *3rd International Conference on Polar and Alpine Microbiology, Banff, Alberta, Canada, 11–15 May 2008. Program & abstracts*. Edmonton, Alta., University of Alberta. Department of Biological Sciences, 12. (Abstract S5-3.)
- Gillies, J., W. Nickling and M. Tilson. 2009. A preliminary evaluation of the movement of aeolian gravel ripples, Wright Valley, Antarctica. *Ancient landscapes - modern perspectives. 7th International Conference on Geomorphology (ANZIAG), 6–11 July 2009, Melbourne, Australia. Program and abstracts*. Melbourne, Australian and New Zealand Geomorphology Group (Inc.), digital media. (<http://www.geomorphology2009.com/cd-abstracts/Papers/320.pdf>.)
- Gillies, J.A., W.G. Nickling and M. Tilson. 2009. Ventifacts and wind-abraded rock features in the Taylor Valley, Antarctica. *Geomorphology*, **107**(3–4), 149–160.
- Goos, T. and 8 others (including C. Haas and E. Hudson). 2008. The international programmes for Arctic and Antarctic buoys - cornerstones of coordinated polar observing systems. In Klepikov, A., ed. *Polar Research: Arctic and Antarctic Perspective in the International Polar Year. SCAR/IASC IPY Open Science Conference, 8–11 July 2008, St. Petersburg, Russia. Abstract volume*. Saint Petersburg, Elektronstandart-Print Joint-Stock Company. Arctic and Antarctic Research Institute, 385. (Abstract S4.1/O08.)

- Gray, L., H. Conway, E. King and B. Smith. 2008. Correspondence. Flow stripes, GPR stratigraphy and RADARSAT imagery. *J. Glaciol.*, **54**(188), 936–938.
- Green, G. 2008. Passing the torch – engaging and inspiring youth through experiential learning at the poles. *Arctic Change 2008, Conference Programme and Abstracts/Programme et résumés de la conférence, 9–12 December/décembre 2008, Québec*. Québec, Qué., Université Laval. ArcticNet Inc., 225.
- Green, G. 2008. Passing the torch – engaging youth in global issues through experiential learning. *Arctic Change 2008, Conference Programme and Abstracts/Programme et résumés de la conférence, 9–12 December/décembre 2008, Québec*. Québec, Qué., Université Laval. ArcticNet Inc., 85–86.
- Gregorich, E.G. 2008. Soils research in the Antarctic Dry Valleys. *CARN Newsl.*, **25**, 1–6.
- Grenier, A.A. 2008. Tourisme polaire: revalorisation des espaces maudits au nom de l'inédit. *FrancVert*, **5**(1), 10 pp., digital media. (www.francvert.org/pages/51dossier tourismepolaire.asp.)
- Grenier, A.A. 2008. Tourisme polaire: la nature sauvage aux confins de l'imaginaire. In Chartier, D., ed. *Le(s) Nord(s) imaginaire(s), Eleventh edition*. Québec, Qué., Presses Université du Québec. Université du Québec à Montréal, Imaginaire/Nord, 165–182. (Droit au Pôle.)
- Grenier, A.A. 2009. Conceptualisation du tourisme polaire: cartographier une expérience aux confins de l'imaginaire. *TÉOROS*, **28**(1), 7–20.
- Grenier, A.A. 2009. Polar tourism. In Goeldner, C.R. and J.R.B. Ritchie, eds. *Tourism, principles, practices, philosophies, Eleventh edition*. Hoboken, NJ, John Wiley & Sons, Inc., 256–257.
- Guglielmin, M., A.G. Lewkowicz, H.M. French and A. Strini. 2009. Lake-ice blisters, Terra Nova Bay area, northern Victoria Land, Antarctica. *Geogr. Ann.*, **91A**(2), 99–111.
- Gurney, L.J., E.A. Pakhomov, B.P.V. Hunt and V. Christensen. 2008. Defining ecosystem boundary size at the sub-Antarctic Prince Edward Islands. In Klepikov, A., ed. *Polar Research: Arctic and Antarctic Perspective in the International Polar Year. SCAR/IASC IPY Open Science Conference, 8–11 July 2008, St. Petersburg, Russia. Abstract volume*. Saint Petersburg, Elektronstandart-Print Joint-Stock Company. Arctic and Antarctic Research Institute, 276. (Abstract S1.9/O14.)
- Haas, C. 2008. Antarctic sea ice – the odd down South. *CARN Newsl.*, **25**, 7–13.
- Haas, C., S. Krutzky, M. Thoma and P. Lemke. 2008. Sea ice thickness and ice production in the Larsen polynyas, Weddell Sea. In Klepikov, A., ed. *Polar Research: Arctic and Antarctic Perspective in the International Polar Year. SCAR/IASC IPY Open Science Conference, 8–11 July 2008, St. Petersburg, Russia. Abstract volume*. Saint Petersburg, Elektronstandart-Print Joint-Stock Company. Arctic and Antarctic Research Institute, 91. (Abstract S1.2/O25.)
- Haas, C., M. Nicolaus, S. Willmes, A. Worby and D. Flinspach. 2008. Sea ice and snow thickness and physical properties of an ice floe in the western Weddell Sea and their changes during spring warming. *Deep-Sea Res. II*, **55**(8–9), 963–974.
- Hall, K., M. Guglielmin and A. Strini. 2008. Weathering of granite in Antarctica. I. Light penetration into rock and implications for rock weathering and endolithic communities. *Earth Surf. Process. Landf.*, **33**(2), 295–307.
- Hall, K., M. Guglielmin and A. Strini. 2008. Weathering of granite in Antarctica. II. Thermal stress at the grain scale. *Earth Surf. Process. Landf.*, **33**(3), 475–493.
- Hanano, D., J.S. Scoates and D. Weis. 2008. Alteration mineralogy and the effect of acid-leaching on the Pb isotope systematics of ocean-island basalts. *Am. Mineral.*, **94**(1), 17–26.
- Heil, P. and 6 others (including C. Haas). 2008. Tidal forcing on sea-ice drift and deformation in the western Weddell Sea in early austral summer, 2004. *Deep-Sea Res. II*, **55**(8–9), 943–962.
- Hellmer, H.H., M. Schröder, C. Haas, G.S. Dieckmann and M. Spindler. 2008. The ISPOL drift experiment. *Deep-Sea Res. II*, **55**(8–9), 913–917.
- Hellmer, H.H., M. Schröder, C. Haas, G.S. Dieckmann and M. Spindler. 2008. Copepods in sea ice of the western Weddell Sea during austral spring 2004. *Deep-Sea Res. II*, **55**(8–9), 1056–1067.

- Hernández, E.A., G.A. Ferreyra and W.P. Mac Cormack. 2008. Impact of ultraviolet radiation on two isolated Antarctic marine bacteria. *Ber. Polar Meeresforsch./Rep. Pol. Mar. Res.* 571, 311–319.
- Hernández, E.A., G.A. Ferreyra, L.A.M. Ruberto and W.P. Mac Cormack. In press. The water column as attenuating factor of the UVR effects on bacteria from a coastal Antarctic marine environment. *Polar Res.* (10.1111/j.1751-8369.2009.00111.x.)
- Hernando, M., G. Malanga, S. Puntarulo and G.A. Ferreyra. 2008. A comparative study of defence strategies against UV-induced damage in an Antarctic diatom (*Thalassiosira* sp.) and a sub-Antarctic phytoflagellate (*Asteromonas* sp.). *Ber. Polar Meeresforsch./Rep. Pol. Mar. Res.* 571, 243–253.
- Hitchcock, P., T.G. Shepherd and C. McLandress. 2009. Past and future conditions for polar stratospheric cloud formation simulated by the Canadian Middle Atmosphere Model. *Atmos. Chem. Phys. (ACP)*, 9(2), 483–495.
- Hodgson, D.A. and J.P. Smol. 2008. Chapter 3. High latitude palaeolimnology. In Vincent, W.F. and J. Laybourn-Parry, eds. *Polar lakes and rivers: limnology of Arctic and Antarctic aquatic ecosystems*. Oxford, Oxford University Press, 43–64.
- Hopkins, D.W. and 9 others (including E.G. Gregorich). 2009. Isotopic evidence for the provenance and turnover of organic carbon by soil microorganisms in the Antarctic dry valleys. *Environ. Microbiol.*, 11(3), 597–608.
- Hopkins, D.W., A.D. Sparrow, E.G. Gregorich, P. Novis, B. Elberling and L.G. Greenfield. 2008. Redistributed lacustrine detritus as a spatial subsidy of biological resources for soils in an Antarctic Dry Valley. *Geoderma*, 144(1–2), 86–92.
- Hunt, B.P.V., E.A. Pakhomov, G.W. Hosie, V. Siegel, P. Ward and K. Bernard. 2007. Pteropods in Southern Ocean ecosystems. *Progr. Oceanogr.*, 78(3), 193–221.
- Hunt, B.P.V., E.A. Pakhomov, G.W. Hosie, V. Siegel, P. Ward and K. Bernard. 2008. Pteropods in Southern Ocean ecosystems. In Klepikov, A., ed. *Polar Research: Arctic and Antarctic Perspective in the International Polar Year. SCAR/IASC IPY Open Science Conference, 8–11 July 2008, St. Petersburg, Russia. Abstract volume*. Saint Petersburg, Elektronstandart-Print Joint-Stock Company. Arctic and Antarctic Research Institute, 251. (Abstract S1.8/P31.)
- Hunt, B.P.V., E.A. Pakhomov, V. Siegel and U. Bathmann. 2008. Seasonal inertia of macrozooplankton communities in the Lazarev Sea. In Klepikov, A., ed. *Polar Research: Arctic and Antarctic Perspective in the International Polar Year. SCAR/IASC IPY Open Science Conference, 8–11 July 2008, St. Petersburg, Russia. Abstract volume*. Saint Petersburg, Elektronstandart-Print Joint-Stock Company. Arctic and Antarctic Research Institute, 276–277. (Abstract S1.9/O15.)
- Jin, J., K.A. Walker, J.R. Taylor, C.D. Boone, P.F. Bernath and G.L. Manney. 2008. An Introduction to ACE-FTS climatological dataset for the period 2004–2008. [Abstract.] *Eos, Trans. AGU*, 89(53), Fall Meet. Suppl., A51A-0077.
- Jungblut, A.D., C. Lovejoy and W.F. Vincent. 2008. Diversity of Arctic cyanobacteria: implications for microbial biogeography. *3rd International Conference on Polar and Alpine Microbiology, Banff, Alberta, Canada, 11–15 May 2008. Program & abstracts*. Edmonton, Alta., University of Alberta. Department of Biological Sciences, 44. (Abstract PB-07.)
- Justino, F. and R. Peltier. 2008. Climate anomalies induced by the Arctic and Antarctic oscillations: glacial maximum and present-day perspectives. In Klepikov, A., ed. *Polar Research: Arctic and Antarctic Perspective in the International Polar Year. SCAR/IASC IPY Open Science Conference, 8–11 July 2008, St. Petersburg, Russia. Abstract volume*. Saint Petersburg, Elektronstandart-Print Joint-Stock Company. Arctic and Antarctic Research Institute, 150. (Abstract S1.5/O27.)
- Justino, F. and W.R. Peltier. 2008. Climate anomalies induced by the Arctic and Antarctic oscillations: Glacial Maximum and present-day perspectives. *J. Climate*, 21(3), 459–475.
- Kim, M. and 8 others (including B. Mayer). 2008. Sulfur and oxygen isotopic composition of sulfate in the fresh water, King Sejong Station, King George Island, Antarctica. [Abstract.] *Eos, Trans. AGU*, 89(53), Fall Meet. Suppl., V13C-2140.
- Klassen, J.L. and J.M. Foght. 2008. Novel bacteria related to the genus *Hymenobacter* isolated from Victoria Upper Glacier, Antarctica. *3rd International Conference on Polar and Alpine Microbiology, Banff, Alberta, Canada, 11–*

15 May 2008. Program & abstracts. Edmonton, Alta., University of Alberta. Department of Biological Sciences, 45. (Abstract PB-10.)

Klassen, J.L., R. McKay and J.M. Foght. 2009. 2-Methyl and 1-xylonyl derivatives of 2-hydroxyflavixanthin are major carotenoids of *Hymenobacter* species. *Tetrahedron Lett.*, **50**(22), 2656–2660.

Koulis, T., M.E. Thompson and E. LeDrew. 2009. A spatio-temporal model for Antarctic sea ice formation. *Environmetrics*, **20**(1), 68–85.

Lanoil, B. 2009. Life on the edge: the microbiology of subglacial environments. *59th Annual Conference, Canadian Society of Microbiologists, 15–18 June 2009, Concordia University, Montréal, QC. Program and abstracts.* Montréal, Qué, Concordia University. Department of Biology, 34.

Lanoil, B. and 7 others. 2009. Bacteria beneath the west Antarctic ice sheet. *Environ. Microbiol.*, **11**(3), 609–615.

Latteck, R. and others (including W. K. Hocking and N. Swarnalingam). 2008. Similarities and differences in polar mesosphere summer echoes observed in the Arctic and Antarctica. *Ann. Geophys. (ANGEO)*, **26**(9), Special Issue, 2795–2806.

Laybourn-Parry, J. and W.F. Vincent. 2008. Chapter 17. Future directions in polar limnology. In Vincent, W.F. and J. Laybourn-Parry, eds. *Polar lakes and rivers: limnology of Arctic and Antarctic aquatic ecosystems*. Oxford, Oxford University Press, 307–328.

Leonard, K.C., L.-B. Tremblay, D.R. MacAyeal and S.S. Jacobs. 2008. Interactions of wind-transported snow with a rift in the Ross Ice Shelf, Antarctica. *Geophys. Res. Lett.*, **35**(5), L05501. (10.1029/2007GL033005.)

Long, M.C. and 6 others (including P. D. Tortell). 2008. Constraining productivity in the Ross Sea: a comparison of methods in a dynamic polar ecosystem. In Klepikov, A., ed. *Polar Research: Arctic and Antarctic Perspective in the International Polar Year. SCAR/IASC IPY Open Science Conference, 8–11 July 2008, St. Petersburg, Russia. Abstract volume*. Saint Petersburg, Elektronstandart-Print Joint-Stock Company. Arctic and Antarctic Research Institute, 239. (Abstract S1.8/O57.)

Maher, P. 2008. Polar tourism: an overview of the 'state of research' during the International Polar Year. In Breiling, M., ed. *The Vienna Symposium on Polar Tourism, 22–25 October 2008, Vienna, Austria. Proceedings*. Vienna, Vienna University of Technology. Technology, Tourism and Landscape Centre, 18–21.

Maher, P.T. 2008. South Magnetic Pole. In Lück, M., ed. *The encyclopedia of tourism and recreation in marine environments*. Oxford, CABI Publishing, 441.

Maher, P.T. 2008. South Pole. In Lück, M., ed. *The encyclopedia of tourism and recreation in marine environments*. Oxford, CABI Publishing, 442.

Maher, P.T. 2008. International Polar Years. In Lück, M., ed. *The encyclopedia of tourism and recreation in marine environments*. Oxford, CABI Publishing, 243–244.

Maher, P.T. 2008. Ship-based tourism. In Lück, M., ed. *The encyclopedia of tourism and recreation in marine environments*. Oxford, CABI Publishing, 433–434.

Maher, P.T. In press. Wildlife and tourism in Antarctica: a unique resource and regime for management. In Higham, J. and M. Lück, eds. *Marine wildlife and tourism management: insights from the natural and social sciences*. Oxford, CABI Publishing.

Maher, P.T. 2009. Book review. Prospect for Polar Tourism edited by John Snyder and Bernard Stonehouse. *Tourism Mar. Environ.*, **5**(4), 338–339.

Mahieu, E. and 37 others (including K.A. Walker, E. Dupuy, K. Strong, C.D. Boone and J. Taylor). 2008. Validation of ACE-FTS v2.2 measurements of HCl, HF, CCl₃F and CCl₂F₂ using space-, balloon- and ground-based instrument observations. *Atmos. Chem. Phys. (ACP)*, **8**(20), Special Issue, 6199–6221.

McEwen, D. 2008. A new look at dayside auroras. *Workshop B: Norwegian-Canadian Collaboration in Space Science, Application and Technology. Collaboration in Space Science: Transatlantic Science Week 2008, 19–20 October 2008, Ottawa, Ontario. Abstracts*. Andenes, Norway, Andøya Rocket Range, 26.

McEwen, D., A. Sivjee, I. Azeem and E. Riddle. 2008. Dayside aurora in perspective. *35th Annual European Meeting on Atmospheric Studies by Optical Methods, 24–29 August 2008, Maynooth, Ireland*. Maynooth, Co Kildare,

National University of Ireland. Department of Experimental Physics, digital media.
(<http://physics.nuim.ie/35AM/documents/McEwen.pdf>.)

McEwen, D.J., G.G.S. Sivjee and I. Azeem. 2008. Dynamics of the dayside Aurora Australis. In Klepikov, A., ed. *Polar Research: Arctic and Antarctic Perspective in the International Polar Year. SCAR/IASC IPY Open Science Conference, 8–11 July 2008, St. Petersburg, Russia. Abstract volume*. Saint Petersburg, Elektronstandart-Print Joint-Stock Company. Arctic and Antarctic Research Institute, 314. (Abstract S2.3/P15.)

McKnight, D.M., M.N. Gooseff, W.F. Vincent and B.J. Peterson. 2008. Chapter 5. High latitude rivers and streams. In Vincent, W.F. and J. Laybourn-Parry, eds. *Polar lakes and rivers: limnology of Arctic and Antarctic aquatic ecosystems*. Oxford, Oxford University Press, 83–102.

Mercier, B., K. Lemarchand, G. Ferreyra and S. Moreau. 2008. Abundance and diversity of bacterioplankton in the western Antarctic Peninsula: a seasonal survey. *58th Annual Conference, Canadian Society of Microbiologists, 9–12 June 2008, Calgary. Program and Abstracts*. Calgary, Alta, University of Calgary. Department of Biological Sciences, Abstract A36, 61.

Miranda Filho, K.C. and 7 others (including C.D. Metcalfe and T.L. Metcalfe). 2009. Lactational transfer of PCBs and chlorinated pesticides in pups of southern elephant seals (*Mirounga leonina*) from Antarctica. *Chemosphere*, **75**(5), 610–616.

Mitrovica, J.X., N. Gomez and P.U. Clark. 2009. The sea-level fingerprint of West Antarctic collapse. *Science*, **323**(5915), 753.

Monahan, A.H. and J.C. Fyfe. 2008. On annular modes and zonal jets. *J. Climate*, **21**(9), 1963–1978.

Moreau, S., B. Mercier, K. Lemarchand, S. Demers and G. Ferreyra. 2008. Seasonal variability of the marine microbial community in the Western Antarctic Peninsula during a very low ozone and ice cover year. *Québec-Océan, 7e Assemblée Générale Annuelle, 27–28 novembre 2008, Rivière du Loup. Programme*. Québec, Qué., Université Laval, poster presentation. (www.quebec-ocean.ulaval.ca/aga2008/Programme%20AGA%202008.pdf.)

Moreau, S., B. Mercier, K. Lemarchand, S. Demers, B. Mostajir and G.A. Ferreyra. 2009. Microbial food web functioning in the western Antarctic Peninsula under global change: a review and an example from a very low ozone and ice cover year (2006). *ASLO Aquatic Science Meeting 2009, 25–30 janvier 2009, Nice, France. Program and abstracts*. Waco, TX, American Society of Limnology and Oceanography, Abstract 5861, digital media. (www.sgmeet.com/aslo/nice2009/viewabstract2.asp?AbstractID=5861.)

Morgan-Kiss, R., A. Ivanov, T. Hanson, N. Hüner and J. Priscu. 2008. Differential acclimatory abilities and adaptive strategies between two Antarctic photopsychrophiles. *3rd International Conference on Polar and Alpine Microbiology, Banff, Alberta, Canada, 11–15 May 2008. Program & abstracts*. Edmonton, Alta., University of Alberta. Department of Biological Sciences, 21. (Abstract S10-1.)

Nadeau, L.-P. and D. Straub. 2008. Dynamics of the Antarctic Circumpolar Current. *CMOS 2008 Congress, Water, Weather, Climate: Science Informing Decisions, Canadian Meteorological and Oceanographical Society, 25–29 May 2008, Kelowna, British Columbia. Program and abstracts*. Ottawa, Ont., Canadian Meteorological and Oceanographic Society, digital media. (Abstract 2293.)
(www1.cmos.ca/Amssoft%20Web%20Data/upload/abstracts112/2008-05-26archive.html.)

Nichol, L. 2009. Antarctica experience offers unique classroom. *Natural Elements* 35, April, digital media.
(www.nrcan-rncan.gc.ca/com/elements/issues/35/antarct-eng.php.)

Nicol, S., J. Clarke, S.J. Romaine, S. Kawaguchi, G. Williams and G.W. Hosie. 2008. Krill (*Euphausia superba*) abundance and Adélie penguin (*Pygoscelis adeliae*) breeding performance in the waters off the Béchervaise Island colony, East Antarctica in 2 years with contrasting ecological conditions. *Deep-Sea Res. II*, **55**(3–4), 540–557.

Nicolaus, M., C. Haas and S. Willmes. 2009. Evolution of first-year and second-year snow properties on sea ice in the Weddell Sea during spring–summer transition. *J. Geophys. Res.*, **114**(D17), D17109.
(10.1029/2008JD011227.)

Ott, N., H.W. Schenke, M. Jakobsson, R. MacNab and D. Travin. 2008. IBCAO and IBCSO: particular importance of digital bathymetry in polar regions. In Klepikov, A., ed. *Polar Research: Arctic and Antarctic Perspective in the*

- International Polar Year. SCAR/IASC IPY Open Science Conference, 8–11 July 2008, St. Petersburg, Russia. Abstract volume.* Saint Petersburg, Elektronstandart-Print Joint-Stock Company. Arctic and Antarctic Research Institute, 396. (Abstract S4.1/P18.)
- Padin, S. and 34 others (the SPT Collaboration: including M.A. Dobbs). 2008. South Pole telescope optics. *Appl. Opt.*, **47**(24), 4418–4428.
- Pakhomov, E.A., C.D. Dubischar, B.P.V. Hunt, L. Gurney, V. Siegel and U. Bathmann. 2008. Antarctic pelagic tunicates: could salps be an attractive prey? In Klepikov, A., ed. *Polar Research: Arctic and Antarctic Perspective in the International Polar Year. SCAR/IASC IPY Open Science Conference, 8–11 July 2008, St. Petersburg, Russia. Abstract volume.* Saint Petersburg, Elektronstandart-Print Joint-Stock Company. Arctic and Antarctic Research Institute, 227–228. (Abstract S1.8/O21.)
- Palinkas, L.A. and P. Suedfeld. 2008. Psychological effects of polar expeditions. *Lancet*, **371**(9607), 153–163.
- Petrou, K.L., R. Hill, M. Doblin, A. McMinn, D. Campbell and P.J. Ralph. 2008. Light stress in bottom ice microalgal communities from the East Antarctic pack ice. In Klepikov, A., ed. *Polar Research: Arctic and Antarctic Perspective in the International Polar Year. SCAR/IASC IPY Open Science Conference, 8–11 July 2008, St. Petersburg, Russia. Abstract volume.* Saint Petersburg, Elektronstandart-Print Joint-Stock Company. Arctic and Antarctic Research Institute, 92. (Abstract S1.2/O28.)
- Pienitz, R., P.T. Doran and S.F. Lamoureux. 2008. Chapter 2. Origin and geomorphology of lakes in the polar regions. In Vincent, W.F. and J. Laybourn-Parry, eds. *Polar lakes and rivers: limnology of Arctic and Antarctic aquatic ecosystems.* Oxford, Oxford University Press, 25–42.
- Pollard, W.H. 2008. The effects of climate change on polar landscapes. In Klepikov, A., ed. *Polar Research: Arctic and Antarctic Perspective in the International Polar Year. SCAR/IASC IPY Open Science Conference, 8–11 July 2008, St. Petersburg, Russia. Abstract volume.* Saint Petersburg, Elektronstandart-Print Joint-Stock Company. Arctic and Antarctic Research Institute, 60. (Abstract K/006.)
- Ricciardi, A. 2008. Letters. Antarctica invaded. *Science*, **319**(5862), 409.
- Riddle, M.J. and D.C.G. Muir. 2008. Chapter 16. Direct human impacts on high latitude lakes and rivers. In Vincent, W.F. and J. Laybourn-Parry, eds. *Polar lakes and rivers: limnology of Arctic and Antarctic aquatic ecosystems.* Oxford, Oxford University Press, 291–306.
- Roberts, S.J. and 7 others (including G. Milne). 2009. Holocene relative sea-level change and deglaciation on Alexander Island, Antarctic Peninsula, from elevated lake deltas. *Geomorphology*, **112**(1–2), 122–134.
- Roy, S., G. Ferreyra and S. Demers. 2008. L'aventure du Sedna IV en Antarctique, aussi une aventure scientifique. *FrancVert*, **5**(1), 7 pp., digital media. (www.francvert.org/pages/51dossierlaventuredusednaenantarctique.asp.)
- Sander Geophysics. 2009. Sander Geophysics explores the Antarctic. *CARN Newsl.*, **26**, 17–19.
- Savastiouk, V., C.T. McElroy and R.D. Evans. 2009. The first ozone observations with the Brewer spectrophotometer at the South Pole. [Abstract.] *Eos, Trans. AGU*, **90**(22), Jt. Assem. Suppl., A31A-09.
- Schafer, A.N., I. Snape and S.D. Siciliano. 2008. Microbial activity and abundance of soil microorganisms at a petroleum hydrocarbon contaminated site at Casey Station, East Antarctica. *3rd International Conference on Polar and Alpine Microbiology, Banff, Alberta, Canada, 11–15 May 2008. Program & abstracts.* Edmonton, Alta., University of Alberta. Department of Biological Sciences, 60. (Abstract PC-10.)
- Schafer, A.N., I. Snape and S.D. Siciliano. 2009. Influence of liquid water and soil temperature on petroleum hydrocarbon toxicity in Antarctic soil. *Environ. Toxicol. Chem.*, **28**(7), 1409–1415
- Schloss, I., F. Momo, G. Ferreyra and S. Demers. 2008. Modeling the combined effects of UVBR and temperature increase on high-latitude marine microplanktonic food-webs. *Québec-Océan, 7e Assemblée Générale Annuelle, 27–28 novembre 2008, Rivière du Loup. Programme.* Québec, Qué., Université Laval, poster presentation. (www.quebec-ocean.ulaval.ca/aga2008/Programme%20AGA%202008.pdf.)
- Schloss, I.R. and 9 others (including G.A. Ferreyra). 2008. Long-term hydrographic conditions and climate trends in Potter Cove. *Ber. Polar Meeresforsch./Rep. Pol. Mar. Res.* **571**, 382–389.

- Schmitt, D.R. and 6 others. 2008. Quantitative stress determination by wire-line hydraulic fracturing tests in the ANDRILL South McMurdo Sound drillhole. [Abstract.] *Eos, Trans. AGU*, **89**(53), Fall Meet. Suppl., C21B-0543.
- Schnack-Schiel, S.B. and 6 others (including C. Haas). 2008. Copepods in sea ice of the western Weddell Sea during austral spring 2004. *Deep-Sea Res. II*, **55**(8-9), 1056-1067.
- Scoates, J.S. and 7 others (including D. Weis and H. Annell). 2008. The Val gabbro plutonic suite: a sub-volcanic intrusion emplaced at the end of flood basalt volcanism on the Kerguelen Archipelago. *J. Petrol.*, **49**(1), 79-105.
- Shaw, J. 2009. Aridity today and floods of yesterday. *CARN Newsl.*, **26**, 2-17.
- Shaw, J., A. Pugin and R.R. Young. 2008. A meltwater origin for Antarctic shelf bedforms with special attention to megalineations. *Geomorphology*, **102**(3-4), 364-375.
- Shepherd, M.G. and S. Alexander. 2009. Longitudinal variations in stratospheric/mesospheric temperature at high latitudes. [Abstract.] *Eos, Trans. AGU*, **90**(22), Jt. Assem. Suppl., SA34A-03.
- Shepherd, M.G. and T. Tsuda. 2008. Large-scale planetary disturbances in stratospheric temperature at high-latitudes in the southern summer hemisphere. *Atmos. Chem. Phys. (ACP)*, **8**(24), 7557-7570.
- Sica, R.J. and 37 others (M.R.M. Izawa, K.A. Walker, C. Boone, S. V. Petelina, P.S. Argall, P. Bernath, Z.Y. Fan, B.J. Firanski, T. Kerzenmacher, E.J. Llewellyn, K.B. Strawbridge and K. Strong). 2008. Validation of the Atmospheric Chemistry Experiment (ACE) version 2.2 temperature using ground-based and space-borne measurements. *Atmos. Chem. Phys. (ACP)*, **8**(1), Special Issue, 35-62.
- Siciliano, S.D., A.N. Schafer, M.A.M. Forgeron and I. Snape. 2008. Hydrocarbon contamination increases the liquid water content of frozen Antarctic soils. *ES&T, Environ. Sci. Technol.*, **42**(22), 8324-8329.
- Simon, K.M., T.S. James and E.R. Ivins. 2009. Ocean loading effects on predictions of uplift and gravity change due to glacial isostatic adjustment in Antarctica. [Abstract.] *Eos, Trans. AGU*, **90**(22), Jt. Assem. Suppl., G13A-06.
- Simon, K.M., T.S. James, E.R. Ivins, T.J. Wilson and M. Willis. 2008. Ocean loading effects on predictions of uplift and gravity changes due to glacial isostatic adjustment in Antarctica. [Abstract.] *Eos, Trans. AGU*, **89**(53), Fall Meet. Suppl., G31A-0644.
- Simon, K.M., T.S. James, M.J. Willis, T.J. Wilson and I.E. R. 2008. Effects of regional ocean loading on present-day predicted glacio-isostatic adjustment response in Antarctica. In Klepikov, A., ed. *Polar Research: Arctic and Antarctic Perspective in the International Polar Year. SCAR/IASC IPY Open Science Conference, 8-11 July 2008, St. Petersburg, Russia. Abstract volume*. Saint Petersburg, Elektronstandart-Print Joint-Stock Company. Arctic and Antarctic Research Institute, 80. (Abstract S1.1/P37.)
- Sims, K.W.W. and 8 others (including G. Layne). 2008. A Sr, Nd, Hf, and Pb isotope perspective on the genesis and long-term evolution of alkaline magmas from Erebus volcano, Antarctica. *J. Volcanol. Geotherm. Res.*, **177**(3), 606-618.
- Smith, P.J., D. Steinke, S.M. Mcveagh, A.L. Stewart, C.D. Struthers and C.D. Roberts. 2008. Molecular analysis of Southern Ocean skates (*Bathyraja*) reveals a new species of Antarctic skate. *J. Fish Biol.*, **73**(5), 1170-1182.
- Snape, I. and 15 others (including N. Plato, J.S. Poland, A. Rutter, A.N. Schafer and S.D. Siciliano). 2008. Chapter 1. Contamination, regulation and remediation: an introduction to bioremediation of petroleum hydrocarbons in cold regions. In Filler, D., I. Snape and D. Barnes, eds. *Bioremediation of petroleum hydrocarbons in cold regions*. Cambridge, Cambridge University Press, 1-37.
- Son, S., N. Tandon, L. Polvani and D. Waugh. 2009. The ozone hole and Southern Hemisphere climate change. [Abstract.] *Eos, Trans. AGU*, **90**(22), Jt. Assem. Suppl., A14A-04.
- Son, S.-W. and 9 others. 2008. The impact of stratospheric ozone recovery on the Southern Hemisphere westerly jet. *Science*, **320**(5882), 1486-1489.
- Son, S.-W., N.F. Tandon, L.M. Polvani and D.W. Waugh. 2009. Ozone hole and Southern Hemisphere climate change. *Geophys. Res. Lett.*, **36**(15), L15705. (10.1029/2009GL038671.)
- Souad, A., G. Ferreyra and É. Pelletier. 2008. Cinétique de production d'exopolymères (TEP) par les assemblages microbiens et impact des facteurs environnementaux. *Québec-Océan, 7e Assemblée Générale Annuelle*, 27-28

- novembre 2008, *Rivière du Loup. Programme*. Québec, Qué., Université Laval, poster presentation. (www.quebec-ocean.ulaval.ca/aga2008/Programme%20AGA%202008.pdf)
- Southwell, C., C.G.M. Paxton, D. Borchers, P. Boveng and W. de la Mare. 2008. Taking account of dependent species in management of the Southern Ocean krill fishery: estimating crabeater seal abundance off east Antarctica. *J. Appl. Ecol.*, **45**(2), 622–631.
- Staniszewski, Z. and 43 others (the SPT Collaboration: including T. de Haan, M.A. Dobbs, G.P. Holder, T.M. Lanting and L. Shaw). 2006. Galaxy clusters discovered with a Sunyaev-Zel'dovich effect survey. *Astrophys. J.*, **701**(1), 32–41.
- Stewart, E.J. and D. Draper. 2008. The sinking of the MS *Explorer*: implications for cruise tourism in Arctic Canada. *Arctic*, **61**(2), 224–228.
- Strini, A., M. Guglielmin and K. Hall. 2008. Tafoni development in a cryotic environment: an example from Northern Victoria Land. *Earth Surf. Process. Landf.*, **33**(10), 1502–1519.
- Strong, K. and 44 others (including M.A. Wolff, T.E. Kerzenmacher, K.A. Walker, P.F. Bernath, C. Boone, E. Dupuy, J.J. Jin, J.C. McConnell, K. Semeniuk, J. Taylor and M. Toohey). 2008. Validation of ACE-FTS N₂O measurements. *Atmos. Chem. Phys. (ACP)*, **8**(16), Special Issue, 4759–4786.
- Terhune, J.M. and 6 others. 2008. Geographic variations in underwater male Weddell seal trills suggest breeding area fidelity. *Polar Biol.*, **31**(6), 671–680.
- Tison, J.-L. and 8 others (including C. Haas). 2008. Temporal evolution of decaying summer first-year sea ice in the Western Weddell Sea, Antarctica. *Deep-Sea Res. II*, **55**(8–9), 975–987.
- Tonboe, R.T., L.T. Pedersen and C. Haas. 2009. Simulation of the satellite radar altimeter sea ice thickness retrieval uncertainty. *Cryos. Discuss. (TCD)*, **3**(2), 513–559
- Vincent, W.F. 2008. Effects of climate change on lakes. In Likens, G.F., ed. *Encyclopedia of inland waters*. Amsterdam, Elsevier Science Publishers, 55–60.
- Vincent, W.F. and 12 others (including G. Clarke). 2008. Exploration of Antarctic subglacial aquatic environments: environmental and scientific stewardship. In Klepikov, A., ed. *Polar Research: Arctic and Antarctic Perspective in the International Polar Year. SCAR/IASC IPY Open Science Conference, 8–11 July 2008, St. Petersburg, Russia. Abstract volume*. Saint Petersburg, Elektronstandart-Print Joint-Stock Company. Arctic and Antarctic Research Institute, 327. (Abstract S3.1/O02.)
- Vincent, W.F., J.E. Hobbie and J. Laybourn-Parry. 2008. Chapter 1. Introduction to the limnology of high latitude lake and river ecosystems. In Vincent, W.F. and J. Laybourn-Parry, eds. *Polar lakes and rivers: limnology of Arctic and Antarctic aquatic ecosystems*. Oxford, Oxford University Press, 1–24.
- Vincent, W.F. and J. Laybourn-Parry, eds. 2008. *Polar lakes and rivers: limnology of Arctic and Antarctic aquatic ecosystems*. Oxford, Oxford University Press.
- Vincent, W.F., S. MacIntyre, R.H. Spigel and I. Laurion. 2008. Chapter 4. The physical limnology of high latitude lakes. In Vincent, W.F. and J. Laybourn-Parry, eds. *Polar lakes and rivers: limnology of Arctic and Antarctic aquatic ecosystems*. Oxford, Oxford University Press, 65–82.
- Visser, I.N., T.G. Smith, I.D. Bullock, G.D. Green, O.G.L. Carlsson and S. Imberti. 2008. Antarctic Peninsula killer whales (*Orcinus orca*) hunt seals and a penguin on floating ice. *Mar. Mammal Sci.*, **24**(1), 225–234.
- Vodopivec, C., W.P. Mac Cormack, E. Villaamil, A. Curtosi, É. Pelletier and P. Smichowski. 2008. Evidence of pollution with hydrocarbons and heavy metals in the surrounding of Jubany Station. *Ber. Polar Meeresforsch./Rep. Pol. Mar. Res.* 571, 357–364.
- Walton, D.W.H. 2008. Book reviews. South of sixty: life on an Antarctic base, M. Warr. Antarctic Memories Publishing, Prince George, Canada, 2006. ISBN 13 978-0-9738504-0-6, 188 pp, CA\$24.95. *Ant. Sci.*, **20**(2), 208.
- Wang, X., H. Xie, G. Ferreyra and G. Yang. 2009. Mesocosm-simulated effects of increasing temperature and ultraviolet-B radiation on the CO₂ system in sub-Arctic coastal water. *CMOS Congress 2009, Sea and Sky Come to Life, Canadian Meteorological and Oceanographical Society, 31 May – 4 June 2009, Halifax, Nova Scotia*.

- Program and abstracts*. Ottawa, Ont., Canadian Meteorological and Oceanographic Society, digital media. (Abstract 2883.) (www1.cmos.ca/Amssoft%20Web%20Data/upload/abstracts114/2009-06-02archive.html.)
- White, J.D.L., S.E. Bryan, P.-S. Ross, S. Self and T. Thordarson. 2009. Physical volcanology of continental large igneous provinces: update and review. In Thordarson, T., S. Self, G. Larsen, S.K. Rowland and A. Hoskuldsson, eds. *Studies in volcanology: the legacy of George Walker*. London, Geological Society. International Association of Volcanology and Chemistry of the Earth's Interior (IAVCEI), 291–321. (Special Publication IAV 2.)
- Wiencke, C., G.A. Ferreyra, D. Abele and S. Marensi, eds. 2008. The Antarctic ecosystem of Potter Cove, King-George Island (Isla 25 de Mayo): synopsis of research performed 1999–2006 at the Dallmann Laboratory and Jubany Station. *Ber. Polar Meeresforsch./Rep. Pol. Mar. Res.* 571, 411 pp.
- Willis, M.J., T.J. Wilson and T.S. James. 2008. Constraints on the mantle viscosity of West Antarctica from GPS measurements. In Klepikov, A., ed. *Polar Research: Arctic and Antarctic Perspective in the International Polar Year. SCAR/IASC IPY Open Science Conference, 8–11 July 2008, St. Petersburg, Russia. Abstract volume*. Saint Petersburg, Elektronstandart-Print Joint-Stock Company. Arctic and Antarctic Research Institute, 399. (Abstract S4.1/P27.)
- Willis, M.J., T.J. Wilson and T.S. James. 2008. GPS-constrained glacial isostatic adjustment models for West Antarctica: implications for ice sheet mass balance measurements. [Abstract.] *Eos, Trans. AGU*, **89**(53), Fall Meet. Suppl., G31A-0642.
- Willmes, S., C. Haas and J. Bareiss. 2008. MeDantS – a longterm data set on the onset of snowmelt on Antarctic sea ice. *Geophys. Res. Abstr.*, **10**, 2008 EGU General Assembly, EGU2008-A-01857.
- Willmes, S., C. Haas, M. Nicolaus and J. Bareiss. 2009. Satellite microwave observations of the interannual variability of snowmelt on sea ice in the Southern Ocean. *J. Geophys. Res.*, **114**(C3), C03006. (10.1029/2008JC004919.)
- Woehler, E.J., L. Blight and I.D. Bullock. In press. Ornithological observations at Eckener Point, Antarctic Peninsula. *Polar Rec.* (10.1017/S003224740999012X.)
- Wolff, M.A. and 43 others (including T. Kerzenmacher, K. Strong, K.A. Walker, M. Toohey, E. Dupuy, P.F. Bernath, C.D. Boone, C. McLinden). 2008. Validation of HNO₃, ClONO₂, and N₂O₅ from the Atmospheric Chemistry Experiment Fourier Transform Spectrometer (ACE-FTS). *Atmos. Chem. Phys. (ACP)*, **8**(13), Special Issue, 3529–3562.
- Yamashita, C., X. Chu, H.-L. Liu, P.J. Espy, G.J. Nott and W. Huang. 2009. Stratospheric gravity wave characteristics and seasonal variations observed by lidar at the South Pole and Rothera, Antarctica. *J. Geophys. Res.*, **114**(D12), D12101. (10.1029/2008JD011472.)
- Zamprelli, P. 2008. Dark, cold and spectacular. *McGill Reporter*, digital media. (<http://reporter.mcgill.ca/2008/09/dark-cold-and-spectacular/>.)
- Zickfeld, K., J.C. Fyfe, M. Eby and A. Weaver. 2008. Negative feedback of poleward intensifying Southern Hemisphere winds on atmospheric CO₂ in the 21st century. *CMOS 2008 Congress, Water, Weather, Climate: Science Informing Decisions, Canadian Meteorological and Oceanographical Society, 25–29 May 2008, Kelowna, British Columbia. Program and abstracts*. Ottawa, Ont., Canadian Meteorological and Oceanographic Society, digital media. (Abstract 2430.) (www1.cmos.ca/Amssoft%20Web%20Data/upload/abstracts112/2008-05-28archive.html.)
- Zickfeld, K., J.C. Fyfe, M. Eby and A.J. Weaver. 2008. Comment on "Saturation of the Southern Ocean CO₂ sink due to recent climate change" *Science*, **319**(5863), 570.
- Zickfeld, K., J.C. Fyfe, M. Eby and A.J. Weaver. 2008. Negative feedback of poleward intensifying Southern Hemisphere winds on atmospheric CO₂ in the 21st century. *Effects of climate change on the world's oceans: International Symposium, International Council for the Exploration of the Sea (ICES), North Pacific Marine Science Organization (PICES) and Intergovernmental Oceanographic Commission (IOC), Gijón, Spain, 19–23 May 2008. Book of abstracts*. Sidney, B.C., North Pacific Marine Science Organization (PICES), 79. (Abstract S2.1-4701.)