

# Robie W Macdonald

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

249  
papers

17,773  
citations

68  
h-index

126  
g-index

271  
ext. papers

19,528  
ext. citations

5.9  
avg, IF

6.55  
L-index

#	Paper	IF	Citations
249	Particle/gas partitioning behavior of polychlorinated biphenyls (PCBs) in global atmosphere: Equilibrium or steady state?. <i>Atmospheric Environment</i> , <b>2022</b> , 270, 118926	5.3	0
248	Approach to Predicting the Size-Dependent Inhalation Intake of Particulate Novel Brominated Flame Retardants. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 15236-15245	10.3	1
247	Has primary production declined in the Salish Sea?. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>2021</b> , 78, 312-321	2.4	2
246	Dynamic changes in size-fractionated dissolved organic matter composition in a seasonally ice-covered Arctic River. <i>Limnology and Oceanography</i> , <b>2021</b> , 66, 3085-3099	4.8	5
245	CASCADE – The Circum-Arctic Sediment Carbon Database. <i>Earth System Science Data</i> , <b>2021</b> , 13, 2561-2572	10.5	5
244	Slopes and intercepts from log-log correlations of gas/particle quotient and octanol-air partition coefficient (vapor-pressure) for semi-volatile organic compounds: I. Theoretical analysis. <i>Chemosphere</i> , <b>2021</b> , 273, 128865	8.4	2
243	Slopes and intercepts from log-log correlations of gas/particle quotient and octanol-air partition coefficient (vapor-pressure) for semi-volatile organic compounds: II. Theoretical predictions vs. monitoring. <i>Chemosphere</i> , <b>2021</b> , 273, 128860	8.4	4
242	Detrital neodymium and (radio)carbon as complementary sedimentary bedfellows? The Western Arctic Ocean as a testbed. <i>Geochimica Et Cosmochimica Acta</i> , <b>2021</b> , 315, 101-101	5.5	0
241	Particle/gas partitioning for semi-volatile organic compounds (SVOCs) in level III multimedia fugacity models: Both gaseous and particulate emissions. <i>Science of the Total Environment</i> , <b>2021</b> , 790, 148012	10.2	3
240	Particle/gas partitioning for semi-volatile organic compounds (SVOCs) in Level III multimedia fugacity models: Gaseous emissions. <i>Science of the Total Environment</i> , <b>2021</b> , 795, 148729	10.2	1
239	Modeling gas/particle partitioning of polybrominated diphenyl ethers (PBDEs) in the atmosphere: A review. <i>Science of the Total Environment</i> , <b>2020</b> , 729, 138962	10.2	8
238	Human exposure to polychlorinated biphenyls embodied in global fish trade. <i>Nature Food</i> , <b>2020</b> , 1, 292-304	10.4	13
237	New equation to predict size-resolved gas-particle partitioning quotients for polybrominated diphenyl ethers. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 400, 123245	12.8	8
236	Polycyclic aromatic compounds (PACs) in the Canadian environment: A review of sampling techniques, strategies and instrumentation. <i>Environmental Pollution</i> , <b>2020</b> , 266, 114988	9.3	14
235	Sediment and particulate organic carbon budgets of a subarctic estuarine fjord: Lake Melville, Labrador. <i>Marine Geology</i> , <b>2020</b> , 424, 106154	3.3	1
234	Determining seawater mercury methylation and demethylation rates by the seawater incubation approach: A critique. <i>Marine Chemistry</i> , <b>2020</b> , 219, 103753	3.7	6
233	Effect of terrestrial organic matter on ocean acidification and CO <sub>2</sub> flux in an Arctic shelf sea. <i>Progress in Oceanography</i> , <b>2020</b> , 185, 102319	3.8	9

232	Subsea permafrost carbon stocks and climate change sensitivity estimated by expert assessment. <i>Environmental Research Letters</i> , <b>2020</b> , 15, 124075	6.2	15
231	Gas/particle partitioning of semi-volatile organic compounds in the atmosphere: Transition from unsteady to steady state. <i>Science of the Total Environment</i> , <b>2020</b> , 710, 136394	10.2	12
230	Assessing the Contributions of Atmospheric/Meteoritic Water and Sea Ice Meltwater and Their Influences on Geochemical Properties in Estuaries of the Canadian Arctic Archipelago. <i>Estuaries and Coasts</i> , <b>2019</b> , 42, 1226-1248	2.8	0
229	Rain, Runoff, and Diatoms: the Effects of the North Pacific 2014-2015 Warm Anomaly on Particle Flux in a Canadian West Coast Fjord. <i>Estuaries and Coasts</i> , <b>2019</b> , 42, 1052-1065	2.8	3
228	Mercury and stable isotope cycles in baleen plates are consistent with year-round feeding in two bowhead whale ( <i>Balaena mysticetus</i> ) populations. <i>Polar Biology</i> , <b>2018</b> , 41, 1881-1893	2	12
227	The distribution and trends of persistent organic pollutants and mercury in marine mammals from Canada's Eastern Arctic. <i>Science of the Total Environment</i> , <b>2018</b> , 618, 500-517	10.2	82
226	Reply to Macreadie et al Comment on Geoengineering with seagrasses: is credit due where credit is given? <i>Environmental Research Letters</i> , <b>2018</b> , 13, 028001	6.2	1
225	Reply to Oreska et al Comment on Geoengineering with seagrasses: is credit due where credit is given? <i>Environmental Research Letters</i> , <b>2018</b> , 13, 038002	6.2	
224	Subsurface seawater methylmercury maximum explains biotic mercury concentrations in the Canadian Arctic. <i>Scientific Reports</i> , <b>2018</b> , 8, 14465	4.9	26
223	Current use pesticide and legacy organochlorine pesticide dynamics at the ocean-sea ice-atmosphere interface in resolute passage, Canadian Arctic, during winter-summer transition. <i>Science of the Total Environment</i> , <b>2017</b> , 580, 1460-1469	10.2	23
222	Early diagenesis and trace element accumulation in North American Arctic margin sediments. <i>Geochimica Et Cosmochimica Acta</i> , <b>2017</b> , 203, 175-200	5.5	14
221	Decabrominated Diphenyl Ethers (BDE-209) in Chinese and Global Air: Levels, Gas/Particle Partitioning, and Long-Range Transport: Is Long-Range Transport of BDE-209 Really Governed by the Movement of Particles?. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 1035-1042	10.3	45
220	Sources and accumulation of sediment and particulate organic carbon in a subarctic fjord estuary: 210Pb, 137Cs, and $\delta^{13}C$ records from Lake Melville, Labrador. <i>Canadian Journal of Earth Sciences</i> , <b>2017</b> , 54, 993-1006	1.5	3
219	Short-term variability in particle flux: Storms, blooms and river discharge in a coastal sea. <i>Continental Shelf Research</i> , <b>2017</b> , 143, 29-42	2.4	4
218	Organic matter compositions of rivers draining into Hudson Bay: Present-day trends and potential as recorders of future climate change. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2017</b> , 122, 1848-1869	3.7	16
217	On the geochemical heterogeneity of rivers draining into the straits and channels of the Canadian Arctic Archipelago. <i>Journal of Geophysical Research G: Biogeosciences</i> , <b>2017</b> , 122, 2527-2547	3.7	17
216	Mercury Accumulation in Harbour Seals from the Northeastern Pacific Ocean: The Role of Transplacental Transfer, Lactation, Age and Location. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2016</b> , 70, 56-66	3.2	27
215	Spatiotemporal patterns of mercury accumulation in lake sediments of western North America. <i>Science of the Total Environment</i> , <b>2016</b> , 568, 1157-1170	10.2	40

214	Biomass offsets little or none of permafrost carbon release from soils, streams, and wildfire: an expert assessment. <i>Environmental Research Letters</i> , <b>2016</b> , 11, 034014	6.2	165
213	Pan-Arctic concentrations of mercury and stable isotope ratios of carbon ( $\delta^{13}\text{C}$ ) and nitrogen ( $\delta^{15}\text{N}$ ) in marine zooplankton. <i>Science of the Total Environment</i> , <b>2016</b> , 551-552, 92-100	10.2	15
212	Dinoflagellate cyst production over an annual cycle in seasonally ice-covered Hudson Bay. <i>Marine Micropaleontology</i> , <b>2016</b> , 125, 1-24	1.7	36
211	Vulnerability of a semienclosed estuarine sea to ocean acidification in contrast with hypoxia. <i>Geophysical Research Letters</i> , <b>2016</b> , 43, 5793-5801	4.9	26
210	Geoengineering with seagrasses: is credit due where credit is given?. <i>Environmental Research Letters</i> , <b>2016</b> , 11, 113001	6.2	43
209	The influence of global climate change on the environmental fate of persistent organic pollutants: A review with emphasis on the Northern Hemisphere and the Arctic as a receptor. <i>Global and Planetary Change</i> , <b>2016</b> , 146, 89-108	4.2	74
208	Local contamination, and not feeding preferences, explains elevated PCB concentrations in Labrador ringed seals ( <i>Pusa hispida</i> ). <i>Science of the Total Environment</i> , <b>2015</b> , 515-516, 188-97	10.2	10
207	Spatial, temporal, and source variations of hydrocarbons in marine sediments from Baffin Bay, Eastern Canadian Arctic. <i>Science of the Total Environment</i> , <b>2015</b> , 506-507, 430-43	10.2	27
206	The vulnerability of Arctic shelf sediments to climate change. <i>Environmental Reviews</i> , <b>2015</b> , 23, 461-479	4.5	26
205	Alkane and PAH provenance and potential bioavailability in coastal marine sediments subject to a gradient of anthropogenic sources in British Columbia, Canada. <i>Organic Geochemistry</i> , <b>2015</b> , 89-90, 80-116	3.1	48
204	The delivery of organic contaminants to the Arctic food web: why sea ice matters. <i>Science of the Total Environment</i> , <b>2015</b> , 506-507, 444-52	10.2	26
203	Local environmental conditions determine the footprint of municipal effluent in coastal waters: a case study in the Strait of Georgia, British Columbia. <i>Science of the Total Environment</i> , <b>2015</b> , 508, 228-39	10.2	17
202	Mercury in the marine environment of the Canadian Arctic: review of recent findings. <i>Science of the Total Environment</i> , <b>2015</b> , 509-510, 67-90	10.2	81
201	Multimolecular tracers of terrestrial carbon transfer across the pan-Arctic: $^{14}\text{C}$ characteristics of sedimentary carbon components and their environmental controls. <i>Global Biogeochemical Cycles</i> , <b>2015</b> , 29, 1855-1873	5.9	38
200	Temporal and spatial variability of particle transport in the deep Arctic Canada Basin. <i>Journal of Geophysical Research: Oceans</i> , <b>2015</b> , 120, 2784-2799	3.3	16
199	Observing the Arctic Ocean carbon cycle in a changing environment. <i>Polar Research</i> , <b>2015</b> , 34, 26891	2	20
198	It is not just about the ice: a geochemical perspective on the changing Arctic Ocean. <i>Journal of Environmental Studies and Sciences</i> , <b>2015</b> , 5, 288-301	0.9	11
197	Multi-molecular tracers of terrestrial carbon transfer across the pan-Arctic: comparison of hydrolyzable components with plant wax lipids and lignin phenols. <i>Biogeosciences</i> , <b>2015</b> , 12, 4841-4860	4.6	21

196	Calculating Rates and Dates and Interpreting Contaminant Profiles in Biomixed Sediments. <i>Developments in Paleoenvironmental Research</i> , <b>2015</b> , 61-87		7
195	Spatial variations in geochemical characteristics of the modern Mackenzie Delta sedimentary system. <i>Geochimica Et Cosmochimica Acta</i> , <b>2015</b> , 171, 100-120	5.5	23
194	Distant drivers or local signals: where do mercury trends in western Arctic belugas originate?. <i>Science of the Total Environment</i> , <b>2015</b> , 509-510, 226-36	10.2	19
193	Classification of mercury labile organic matter relationships in lake sediments. <i>Chemical Geology</i> , <b>2014</b> , 373, 87-92	4.2	17
192	Characterization of sedimentary organic matter in recent marine sediments from Hudson Bay, Canada, by Rock-Eval pyrolysis. <i>Organic Geochemistry</i> , <b>2014</b> , 68, 52-60	3.1	26
191	Distribution and uptake of key polychlorinated biphenyl and polybrominated diphenyl ether congeners in benthic infauna relative to sediment organic enrichment. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2014</b> , 67, 310-34	3.2	8
190	Transformation of mercury at the bottom of the Arctic food web: an overlooked puzzle in the mercury exposure narrative. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 7280-8	10.3	28
189	Why timing matters in a coastal sea: Trends, variability and tipping points in the Strait of Georgia, Canada. <i>Journal of Marine Systems</i> , <b>2014</b> , 131, 36-53	2.7	30
188	Surface sediment dinoflagellate cysts from the Hudson Bay system and their relation to freshwater and nutrient cycling. <i>Marine Micropaleontology</i> , <b>2014</b> , 106, 79-109	1.7	49
187	Oxygen in the deep Strait of Georgia, 1951-2009: The roles of mixing, deep-water renewal, and remineralization of organic carbon. <i>Limnology and Oceanography</i> , <b>2014</b> , 59, 211-222	4.8	29
186	Changes in the marine carbonate system of the western Arctic: patterns in a rescued data set. <i>Polar Research</i> , <b>2014</b> , 33, 20577	2	14
185	Measurements of the dissolved inorganic carbon system and associated biogeochemical parameters in the Canadian Arctic, 1974-2009. <i>Earth System Science Data</i> , <b>2014</b> , 6, 91-104	10.5	6
184	Partitioning and bioaccumulation of PCBs and PBDEs in marine plankton from the Strait of Georgia, British Columbia, Canada. <i>Progress in Oceanography</i> , <b>2013</b> , 115, 65-75	3.8	35
183	Climatology of sediment flux and composition in the subarctic Northeast Pacific Ocean with biogeochemical implications. <i>Progress in Oceanography</i> , <b>2013</b> , 116, 95-129	3.8	25
182	The trouble with salmon: relating pollutant exposure to toxic effect in species with transformational life histories and lengthy migrations. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>2013</b> , 70, 1252-1264	2.4	17
181	When will HCH disappear from the western Arctic Ocean?. <i>Journal of Marine Systems</i> , <b>2013</b> , 127, 88-100	2.7	18
180	Beaufort Sea storm and resuspension modeling. <i>Journal of Marine Systems</i> , <b>2013</b> , 127, 14-25	2.7	15
179	A nitrogen budget for the Strait of Georgia, British Columbia, with emphasis on particulate nitrogen and dissolved inorganic nitrogen. <i>Biogeosciences</i> , <b>2013</b> , 10, 7179-7194	4.6	19

178	Scavenging amphipods: sentinels for penetration of mercury and persistent organic chemicals into food webs of the deep Arctic Ocean. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 5553-61	10.3	16
177	Distribution and sources of organic matter in surface marine sediments across the North American Arctic margin. <i>Journal of Geophysical Research: Oceans</i> , <b>2013</b> , 118, 4017-4035	3.3	68
176	The role of eddies on particle flux in the Canada Basin of the Arctic Ocean. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , <b>2013</b> , 71, 1-20	2.5	26
175	Importance of Arctic zooplankton seasonal migrations for hexachlorocyclohexane bioaccumulation dynamics. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 4155-63	10.3	5
174	Change at the margin of the North Water Polynya, Baffin Bay, inferred from organic matter records in dated sediment cores. <i>Marine Geology</i> , <b>2013</b> , 341, 1-13	3.3	9
173	The role of the global cryosphere in the fate of organic contaminants. <i>Atmospheric Chemistry and Physics</i> , <b>2013</b> , 13, 3271-3305	6.8	96
172	<sup>210</sup> Pb and <sup>137</sup> Cs in margin sediments of the Arctic Ocean: Controls on boundary scavenging. <i>Global Biogeochemical Cycles</i> , <b>2013</b> , 27, 422-439	5.9	28
171	Canadian Basin freshwater sources and changes: Results from the 2005 Arctic Ocean Section. <i>Journal of Geophysical Research: Oceans</i> , <b>2013</b> , 118, 2133-2154	3.3	40
170	There is no 1954 in that core! Interpreting sedimentation rates and contaminant trends in marine sediment cores. <i>Marine Pollution Bulletin</i> , <b>2012</b> , 64, 675-8	6.7	40
169	How does climate change influence Arctic mercury?. <i>Science of the Total Environment</i> , <b>2012</b> , 414, 22-42	10.2	169
168	Effect of receiving environment on the transport and fate of polybrominated diphenyl ethers near two submarine municipal outfalls. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 566-73	3.8	10
167	The Arctic Ocean Estuary. <i>Estuaries and Coasts</i> , <b>2012</b> , 35, 353-368	2.8	147
166	Sources and export fluxes of inorganic and organic carbon and nutrient species from the seasonally ice-covered Yukon River. <i>Biogeochemistry</i> , <b>2012</b> , 107, 187-206	3.8	81
165	Seasonal variability of water mass distribution in the southeastern Beaufort Sea determined by total alkalinity and δ <sup>18</sup> O. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		57
164	ΔCH enantiomer fraction (EF): A novel approach to calculate the ventilation age of water in the Arctic Ocean?. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		6
163	Total and methylated mercury in the Beaufort Sea: the role of local and recent organic remineralization. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 11821-8	10.3	52
162	Manganese Sources and Sinks in the Arctic Ocean with Reference to Periodic Enrichments in Basin Sediments. <i>Aquatic Geochemistry</i> , <b>2012</b> , 18, 565-591	1.7	60
161	Mechanisms and implications of ΔCH enrichment in melt pond water on Arctic sea ice. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 11862-9	10.3	16

160	Mercury biomagnification in marine zooplankton food webs in Hudson Bay. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 12952-9	10.3	57
159	Alkane distributions in Arctic Ocean sediments. Reply to Alkane and PAH biomarkers as tracers of terrigenous organic carbon in Arctic Ocean sediments by Mark B. Yunker, Robie W. Macdonald, Lloyd R. Snowdon, Brian R. Fowler: Comment by Vera Petrova and co-authors. <i>Organic Geochemistry</i> , <b>2012</b> , 50, 80-83	3.1	1
158	Determination of mercury biogeochemical fluxes in the remote Mackenzie River Basin, northwest Canada, using speciation of sulfur and organic carbon. <i>Applied Geochemistry</i> , <b>2012</b> , 27, 815-824	3.5	19
157	PBDE and PCB accumulation in benthos near marine wastewater outfalls: the role of sediment organic carbon. <i>Environmental Pollution</i> , <b>2012</b> , 171, 241-8	9.3	26
156	The fate of mercury in Arctic terrestrial and aquatic ecosystems, a review. <i>Environmental Chemistry</i> , <b>2012</b> , 9, 321	3.2	92
155	Biomagnification of polychlorinated biphenyls in a harbor seal ( <i>Phoca vitulina</i> ) food web from the Strait of Georgia, British Columbia, Canada. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 2445-55	3.8	16
154	Carbon dynamics in the western Arctic Ocean: insights from full-depth carbon isotope profiles of DIC, DOC, and POC. <i>Biogeosciences</i> , <b>2012</b> , 9, 1217-1224	4.6	60
153	Carbon dynamics in sea ice: A winter flux time series. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		115
152	The influence of the atmosphere-snow-ice-ocean interactions on the levels of hexachlorocyclohexanes in the Arctic cryosphere. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		13
151	The role of eddies and energetic ocean phenomena in the transport of sediment from shelf to basin in the Arctic. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		22
150	Alkane and PAH biomarkers as tracers of terrigenous organic carbon in Arctic Ocean sediments. <i>Organic Geochemistry</i> , <b>2011</b> , 42, 1109-1109	3.1	103
149	Inferences about the modern organic carbon cycle from diagenesis of redox-sensitive elements in Hudson Bay. <i>Journal of Marine Systems</i> , <b>2011</b> , 88, 451-462	2.7	13
148	Distributions of runoff, sea-ice melt and brine using $\delta^{18}O$ and salinity data: A new view on freshwater cycling in Hudson Bay. <i>Journal of Marine Systems</i> , <b>2011</b> , 88, 362-374	2.7	31
147	The Hudson Bay system: A northern inland sea in transition. <i>Journal of Marine Systems</i> , <b>2011</b> , 88, 337-340.	2.7	18
146	Environmental fractionation of PCBs and PBDEs during particle transport as recorded by sediments in coastal waters. <i>Environmental Toxicology and Chemistry</i> , <b>2011</b> , 30, 1522-32	3.8	37
145	Effects of seabird vectors on the fate, partitioning, and signatures of contaminants in a High Arctic ecosystem. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 10053-60	10.3	15
144	Comment on Climate change and mercury accumulation in Canadian High and Subarctic lakes. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 6703-4; author reply 6705-6	10.3	13
143	Hydrographic Changes in Nares Strait (Canadian Arctic Archipelago) in Recent Decades Based on $\delta^{18}O$ Profiles of Bivalve Shells. <i>Arctic</i> , <b>2011</b> , 64, 45	2.1	11

142	Preface: Special Section on Canadian Ocean Studies Conducted During International Polar Year. <i>Atmosphere - Ocean</i> , <b>2010</b> , 48, 1-2	1.5	
141	Coupling laser ablation and atomic fluorescence spectrophotometry: an example using mercury analysis of small sections of fish scales. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 8785-8	7.8	19
140	Natural and anthropogenic mercury distribution in marine sediments from Hudson Bay, Canada. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 5805-11	10.3	35
139	Biogeochemical controls on PCB deposition in Hudson Bay. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 3280-5	10.3	32
138	Band H-hexachlorocyclohexane measurements in the brine fraction of sea ice in the Canadian High Arctic using a sump-hole technique. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 9258-64	10.3	25
137	Elemental and stable isotopic constraints on river influence and patterns of nitrogen cycling and biological productivity in Hudson Bay. <i>Continental Shelf Research</i> , <b>2010</b> , 30, 163-176	2.4	42
136	Effects of future climate change on primary productivity and export fluxes in the Beaufort Sea. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115,		44
135	Increasing contaminant burdens in an arctic fish, Burbot ( <i>Lota lota</i> ), in a warming climate. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 316-22	10.3	116
134	The international polar year (IPY) circumpolar flaw lead (CFL) system study: The importance of brine processes for Band H-hexachlorocyclohexane (HCH) accumulation or rejection in sea ice. <i>Atmosphere - Ocean</i> , <b>2010</b> , 48, 244-262	1.5	31
133	Sea ice melt and meteoric water distributions in Nares Strait, Baffin Bay, and the Canadian Arctic Archipelago. <i>Journal of Marine Research</i> , <b>2010</b> , 68, 767-798	1.5	16
132	Are Arctic Ocean ecosystems exceptionally vulnerable to global emissions of mercury? A call for emphasised research on methylation and the consequences of climate change. <i>Environmental Chemistry</i> , <b>2010</b> , 7, 133	3.2	29
131	Organic-walled dinoflagellate cyst production, composition and flux from 1996 to 1998 in the central Strait of Georgia (BC, Canada): A sediment trap study. <i>Marine Micropaleontology</i> , <b>2010</b> , 75, 17-37 <sup>1-7</sup>	1.7	79
130	The carbon budget of the northern cryosphere region. <i>Current Opinion in Environmental Sustainability</i> , <b>2010</b> , 2, 231-236	7.2	54
129	Seabird-driven shifts in Arctic pond ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 276, 591-6	4.4	82
128	Historical analysis of salmon-derived polychlorinated biphenyls (PCBs) in lake sediments. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 1977-89	10.2	10
127	Natural rates of sediment containment of PAH, PCB and metal inventories in Sydney Harbour, Nova Scotia. <i>Science of the Total Environment</i> , <b>2009</b> , 407, 4858-69	10.2	36
126	Large and growing environmental reservoirs of Deca-BDE present an emerging health risk for fish and marine mammals. <i>Marine Pollution Bulletin</i> , <b>2009</b> , 58, 7-10	6.7	140
125	Primary productivity and export fluxes on the Canadian shelf of the Beaufort Sea: A modelling study. <i>Journal of Marine Systems</i> , <b>2009</b> , 75, 17-32	2.7	52



124	Trace element and molecular markers of organic carbon dynamics along a shelfbasin continuum in sediments of the western Arctic Ocean. <i>Marine Chemistry</i> , <b>2009</b> , 115, 72-85	3.7	20
123	Towards a sediment and organic carbon budget for Hudson Bay. <i>Marine Geology</i> , <b>2009</b> , 264, 190-208	3.3	35
122	High arctic ponds receiving biotransported nutrients from a nearby seabird colony are also subject to potentially toxic loadings of arsenic, cadmium, and zinc. <i>Environmental Toxicology and Chemistry</i> , <b>2009</b> , 28, 2426-33	3.8	59
121	Mercury in the Arctic: are we overlooking the ocean?. <i>Integrated Environmental Assessment and Management</i> , <b>2009</b> , 5, 178-80	2.5	
120	Accelerated delivery of polychlorinated biphenyls (PCBs) in recent sediments near a large seabird colony in Arctic Canada. <i>Environmental Pollution</i> , <b>2009</b> , 157, 2769-75	9.3	26
119	Coastal conduit in southwestern Hudson Bay (Canada) in summer: Rapid transit of freshwater and significant loss of colored dissolved organic matter. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114,		34
118	Sensitivity of the carbon cycle in the Arctic to climate change. <i>Ecological Monographs</i> , <b>2009</b> , 79, 523-555	9	699
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3	A~nitrogen budget for the Strait of Georgia, British Columbia		4
2	Multi-molecular tracers of terrestrial carbon transfer across the pan-Arctic [Part 1: Comparison of hydrolysable components with plant wax lipids and lignin phenols		1
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