

# Robie W Macdonald

## List of Publications by Year in descending order

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Version: 2024-02-01

252  
papers

21,210  
citations

11608

70  
h-index

11581

135  
g-index

271  
all docs

271  
docs citations

271  
times ranked

15388  
citing authors

#	ARTICLE	IF	CITATIONS
1	Particle/gas partitioning behavior of polychlorinated biphenyls (PCBs) in global atmosphere: Equilibrium or steady state?. <i>Atmospheric Environment</i> , 2022, 270, 118926.	1.9	3
2	Steady-State Based Model of Airborne Particle/Gas and Settled Dust/Gas Partitioning for Semivolatile Organic Compounds in the Indoor Environment. <i>Environmental Science &amp; Technology</i> , 2022, 56, 8373-8383.	4.6	19
3	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> , 2021, 273, 128865.	4.2	6
4	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> , 2021, 273, 128860.	4.2	8
5	Has primary production declined in the Salish Sea?. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2021, 78, 312-321.	0.7	6
6	Dynamic changes in size-fractionated dissolved organic matter composition in a seasonally ice-covered Arctic River. <i>Limnology and Oceanography</i> , 2021, 66, 3085-3099.	1.6	22
7	CASCADE – The Circum-Arctic Sediment Carbon DatabasE. <i>Earth System Science Data</i> , 2021, 13, 2561-2572.	3.7	22
8	Detrital neodymium and (radio)carbon as complementary sedimentary bedfellows? The Western Arctic Ocean as a testbed. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 315, 101-126.	1.6	5
9	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> , 2021, 790, 148012.	3.9	7
10	Particle/gas partitioning for semi-volatile organic compounds (SVOCs) in Level III multimedia fugacity models: Gaseous emissions. <i>Science of the Total Environment</i> , 2021, 795, 148729.	3.9	2
11	Approach to Predicting the Size-Dependent Inhalation Intake of Particulate Novel Brominated Flame Retardants. <i>Environmental Science &amp; Technology</i> , 2021, 55, 15236-15245.	4.6	11
12	Gas/particle partitioning of semi-volatile organic compounds in the atmosphere: Transition from unsteady to steady state. <i>Science of the Total Environment</i> , 2020, 710, 136394.	3.9	15
13	Modeling gas/particle partitioning of polybrominated diphenyl ethers (PBDEs) in the atmosphere: A review. <i>Science of the Total Environment</i> , 2020, 729, 138962.	3.9	16
14	Human exposure to polychlorinated biphenyls embodied in global fish trade. <i>Nature Food</i> , 2020, 1, 292-300.	6.2	35
15	New equation to predict size-resolved gas-particle partitioning quotients for polybrominated diphenyl ethers. <i>Journal of Hazardous Materials</i> , 2020, 400, 123245.	6.5	19
16	Polycyclic aromatic compounds (PACs) in the Canadian environment: A review of sampling techniques, strategies and instrumentation. <i>Environmental Pollution</i> , 2020, 266, 114988.	3.7	26
17	Sediment and particulate organic carbon budgets of a subarctic estuarine fjord: Lake Melville, Labrador. <i>Marine Geology</i> , 2020, 424, 106154.	0.9	4
18	Determining seawater mercury methylation and demethylation rates by the seawater incubation approach: A critique. <i>Marine Chemistry</i> , 2020, 219, 103753.	0.9	15

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19	Effect of terrestrial organic matter on ocean acidification and CO <sub>2</sub> flux in an Arctic shelf sea. <i>Progress in Oceanography</i> , 2020, 185, 102319.	1.5	20
20	Subsea permafrost carbon stocks and climate change sensitivity estimated by expert assessment. <i>Environmental Research Letters</i> , 2020, 15, 124075.	2.2	34
21	Assessing the Contributions of Atmospheric/Meteoric Water and Sea Ice Meltwater and Their Influences on Geochemical Properties in Estuaries of the Canadian Arctic Archipelago. <i>Estuaries and Coasts</i> , 2019, 42, 1226-1248.	1.0	2
22	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> , 2019, 42, 1052-1065.	1.0	13
23	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> , 2018, 41, 1881-1893.	0.5	20
24	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> , 2018, 618, 500-517.	3.9	105
25	Reply to Macreadie et al Comment on “Geoengineering with seagrasses: is credit due where credit is given?”. <i>Environmental Research Letters</i> , 2018, 13, 028001.	2.2	2
26	Reply to Oreska et al “Comment on Geoengineering with seagrasses: is credit due where credit is given?”. <i>Environmental Research Letters</i> , 2018, 13, 038002.	2.2	0
27	Subsurface seawater methylmercury maximum explains biotic mercury concentrations in the Canadian Arctic. <i>Scientific Reports</i> , 2018, 8, 14465.	1.6	39
28	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> , 2017, 580, 1460-1469.	3.9	38
29	Early diagenesis and trace element accumulation in North American Arctic margin sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 203, 175-200.	1.6	20
30	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> , 2017, 51, 1035-1042.	4.6	60
31	Sources and accumulation of sediment and particulate organic carbon in a subarctic fjord estuary: <sup>210</sup> Pb, <sup>137</sup> Cs, and <sup>13</sup> C records from Lake Melville, Labrador. <i>Canadian Journal of Earth Sciences</i> , 2017, 54, 993-1006.	0.6	6
32	Short-term variability in particle flux: Storms, blooms and river discharge in a coastal sea. <i>Continental Shelf Research</i> , 2017, 143, 29-42.	0.9	5
33	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> , 2017, 122, 1848-1869.	1.3	26
34	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> , 2017, 122, 2527-2547.	1.3	23
35	Vulnerability of a semienclosed estuarine sea to ocean acidification in contrast with hypoxia. <i>Geophysical Research Letters</i> , 2016, 43, 5793-5801.	1.5	44
36	Geoengineering with seagrasses: is credit due where credit is given?. <i>Environmental Research Letters</i> , 2016, 11, 113001.	2.2	84

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37	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> , 2016, 146, 89-108.	1.6	118
38	Spatiotemporal patterns of mercury accumulation in lake sediments of western North America. <i>Science of the Total Environment</i> , 2016, 568, 1157-1170.	3.9	53
39	Biomass offsets little or none of permafrost carbon release from soils, streams, and wildfire: an expert assessment. <i>Environmental Research Letters</i> , 2016, 11, 034014.	2.2	199
40	Pan-Arctic concentrations of mercury and stable isotope ratios of carbon ( $\delta^{13}C$ ) and nitrogen ( $\delta^{15}N$ ) in marine zooplankton. <i>Science of the Total Environment</i> , 2016, 551-552, 92-100.	3.9	20
41	Dinoflagellate cyst production over an annual cycle in seasonally ice-covered Hudson Bay. <i>Marine Micropaleontology</i> , 2016, 125, 1-24.	0.5	45
42	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> , 2016, 70, 56-66.	2.1	38
43	Multimolecular tracers of terrestrial carbon transfer across the pan-Arctic: $\delta^{14}C$ characteristics of sedimentary carbon components and their environmental controls. <i>Global Biogeochemical Cycles</i> , 2015, 29, 1855-1873.	1.9	46
44	Temporal and spatial variability of particle transport in the deep Arctic Basin. <i>Journal of Geophysical Research: Oceans</i> , 2015, 120, 2784-2799.	1.0	29
45	Observing the Arctic Ocean carbon cycle in a changing environment. <i>Polar Research</i> , 2015, 34, 26891.	1.6	28
46	It is not just about the ice: a geochemical perspective on the changing Arctic Ocean. <i>Journal of Environmental Studies and Sciences</i> , 2015, 5, 288-301.	0.9	20
47	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> , 2015, 12, 4841-4860.	1.3	24
48	Spatial variations in geochemical characteristics of the modern Mackenzie Delta sedimentary system. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 171, 100-120.	1.6	36
49	Distant drivers or local signals: Where do mercury trends in western Arctic belugas originate?. <i>Science of the Total Environment</i> , 2015, 509-510, 226-236.	3.9	28
50	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> , 2015, 515-516, 188-197.	3.9	15
51	Spatial, temporal, and source variations of hydrocarbons in marine sediments from Baffin Bay, Eastern Canadian Arctic. <i>Science of the Total Environment</i> , 2015, 506-507, 430-443.	3.9	34
52	The vulnerability of Arctic shelf sediments to climate change. <i>Environmental Reviews</i> , 2015, 23, 461-479.	2.1	33
53	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> , 2015, 89-90, 80-116.	0.9	75
54	The delivery of organic contaminants to the Arctic food web: Why sea ice matters. <i>Science of the Total Environment</i> , 2015, 506-507, 444-452.	3.9	31

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55	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> , 2015, 508, 228-239.	3.9	22
56	Mercury in the marine environment of the Canadian Arctic: Review of recent findings. <i>Science of the Total Environment</i> , 2015, 509-510, 67-90.	3.9	106
57	Classification of mercury-labile organic matter relationships in lake sediments. <i>Chemical Geology</i> , 2014, 373, 87-92.	1.4	25
58	Characterization of sedimentary organic matter in recent marine sediments from Hudson Bay, Canada, by Rock-Eval pyrolysis. <i>Organic Geochemistry</i> , 2014, 68, 52-60.	0.9	31
59	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> , 2014, 67, 310-334.	2.1	10
60	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> , 2014, 48, 7280-7288.	4.6	33
61	Why timing matters in a coastal sea: Trends, variability and tipping points in the Strait of Georgia, Canada. <i>Journal of Marine Systems</i> , 2014, 131, 36-53.	0.9	38
62	Surface sediment dinoflagellate cysts from the Hudson Bay system and their relation to freshwater and nutrient cycling. <i>Marine Micropaleontology</i> , 2014, 106, 79-109.	0.5	63
63	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> , 2014, 59, 211-222.	1.6	32
64	Changes in the marine carbonate system of the western Arctic: patterns in a rescued data set. <i>Polar Research</i> , 2014, 33, 20577.	1.6	19
65	Measurements of the dissolved inorganic carbon system and associated biogeochemical parameters in the Canadian Arctic, 1974-2009. <i>Earth System Science Data</i> , 2014, 6, 91-104.	3.7	6
66	Partitioning and bioaccumulation of PCBs and PBDEs in marine plankton from the Strait of Georgia, British Columbia, Canada. <i>Progress in Oceanography</i> , 2013, 115, 65-75.	1.5	50
67	Climatology of sediment flux and composition in the subarctic Northeast Pacific Ocean with biogeochemical implications. <i>Progress in Oceanography</i> , 2013, 116, 95-129.	1.5	41
68	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> , 2013, 70, 1252-1264.	0.7	22
69	When will $\hat{\pm}$ -HCH disappear from the western Arctic Ocean?. <i>Journal of Marine Systems</i> , 2013, 127, 88-100.	0.9	22
70	Beaufort Sea storm and resuspension modeling. <i>Journal of Marine Systems</i> , 2013, 127, 14-25.	0.9	18
71	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> , 2013, 47, 5553-5561.	4.6	18
72	Distribution and sources of organic matter in surface marine sediments across the North American Arctic margin. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 4017-4035.	1.0	90

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73	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> , 2013, 71, 1-20.	0.6	34
74	Importance of Arctic Zooplankton Seasonal Migrations for $\hat{\pm}$ -Hexachlorocyclohexane Bioaccumulation Dynamics. <i>Environmental Science &amp; Technology</i> , 2013, 47, 4155-4163.	4.6	5
75	Change at the margin of the North Water Polynya, Baffin Bay, inferred from organic matter records in dated sediment cores. <i>Marine Geology</i> , 2013, 341, 1-13.	0.9	11
76	The role of the global cryosphere in the fate of organic contaminants. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 3271-3305.	1.9	128
77	<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> , 2013, 27, 422-439.	1.9	39
78	Canadian Basin freshwater sources and changes: Results from the 2005 Arctic Ocean Section. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 2133-2154.	1.0	50
79	A nitrogen budget for the Strait of Georgia, British Columbia, with emphasis on particulate nitrogen and dissolved inorganic nitrogen. <i>Biogeosciences</i> , 2013, 10, 7179-7194.	1.3	27
80	Carbon dynamics in the western Arctic Ocean: insights from full-depth carbon isotope profiles of DIC, DOC, and POC. <i>Biogeosciences</i> , 2012, 9, 1217-1224.	1.3	78
81	Seasonal variability of water mass distribution in the southeastern Beaufort Sea determined by total alkalinity and $\delta^{18}\text{O}$ . <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	73
82	$\hat{\pm}$ -HCH enantiomer fraction (EF): A novel approach to calculate the ventilation age of water in the Arctic Ocean?. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	6
83	Total and Methylated Mercury in the Beaufort Sea: The Role of Local and Recent Organic Remineralization. <i>Environmental Science &amp; Technology</i> , 2012, 46, 11821-11828.	4.6	64
84	Manganese Sources and Sinks in the Arctic Ocean with Reference to Periodic Enrichments in Basin Sediments. <i>Aquatic Geochemistry</i> , 2012, 18, 565-591.	1.5	70
85	Mechanisms and Implications of $\hat{\pm}$ -HCH Enrichment in Melt Pond Water on Arctic Sea Ice. <i>Environmental Science &amp; Technology</i> , 2012, 46, 11862-11869.	4.6	21
86	Mercury Biomagnification in Marine Zooplankton Food Webs in Hudson Bay. <i>Environmental Science &amp; Technology</i> , 2012, 46, 12952-12959.	4.6	68
87	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> , 2012, 50, 80-83.	0.9	2
88	Determination of mercury biogeochemical fluxes in the remote Mackenzie River Basin, northwest Canada, using speciation of sulfur and organic carbon. <i>Applied Geochemistry</i> , 2012, 27, 815-824.	1.4	21
89	PBDE and PCB accumulation in benthos near marine wastewater outfalls: The role of sediment organic carbon. <i>Environmental Pollution</i> , 2012, 171, 241-248.	3.7	29
90	The fate of mercury in Arctic terrestrial and aquatic ecosystems, a review. <i>Environmental Chemistry</i> , 2012, 9, 321.	0.7	106

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91	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> , 2012, 31, 2445-2455.	2.2	20
92	There is no 1954 in that core! Interpreting sedimentation rates and contaminant trends in marine sediment cores. <i>Marine Pollution Bulletin</i> , 2012, 64, 675-678.	2.3	46
93	How does climate change influence arctic mercury?. <i>Science of the Total Environment</i> , 2012, 414, 22-42.	3.9	198
94	Effect of receiving environment on the transport and fate of polybrominated diphenyl ethers near two submarine municipal outfalls. <i>Environmental Toxicology and Chemistry</i> , 2012, 31, 566-573.	2.2	12
95	The Arctic Ocean Estuary. <i>Estuaries and Coasts</i> , 2012, 35, 353-368.	1.0	202
96	Sources and export fluxes of inorganic and organic carbon and nutrient species from the seasonally ice-covered Yukon River. <i>Biogeochemistry</i> , 2012, 107, 187-206.	1.7	91
97	Effects of Seabird Vectors on the Fate, Partitioning, and Signatures of Contaminants in a High Arctic Ecosystem. <i>Environmental Science &amp; Technology</i> , 2011, 45, 10053-10060.	4.6	17
98	Comment on Climate Change and Mercury Accumulation in Canadian High and Subarctic Lakes. <i>Environmental Science &amp; Technology</i> , 2011, 45, 6703-6704.	4.6	13
99	Carbon dynamics in sea ice: A winter flux time series. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	129
100	The influence of the atmosphere-snow-ice-ocean interactions on the levels of hexachlorocyclohexanes in the Arctic cryosphere. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	14
101	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> , 2011, 116, .	3.3	29
102	Alkane and PAH biomarkers as tracers of terrigenous organic carbon in Arctic Ocean sediments. <i>Organic Geochemistry</i> , 2011, 42, 1109-1109.	0.9	113
103	Inferences about the modern organic carbon cycle from diagenesis of redox-sensitive elements in Hudson Bay. <i>Journal of Marine Systems</i> , 2011, 88, 451-462.	0.9	15
104	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> , 2011, 88, 362-374.	0.9	40
105	The Hudson Bay system: A northern inland sea in transition. <i>Journal of Marine Systems</i> , 2011, 88, 337-340.	0.9	28
106	Environmental fractionation of PCBs and PBDEs during particle transport as recorded by sediments in coastal waters. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1522-1532.	2.2	44
107	Hydrographic Changes in Nares Strait (Canadian Arctic Archipelago) in Recent Decades Based on $\delta^{18}O$ Profiles of Bivalve Shells. <i>Arctic</i> , 2011, 64, 45.	0.2	13
108	The international polar year (IPY) circumpolar flaw lead (CFL) system study: The importance of brine processes for $\delta^{18}O$ and $\delta^{13}C$ hexachlorocyclohexane (HCH) accumulation or rejection in sea ice. <i>Atmosphere - Ocean</i> , 2010, 48, 244-262.	0.6	34

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109	Sea ice melt and meteoric water distributions in Nares Strait, Baffin Bay, and the Canadian Arctic Archipelago. <i>Journal of Marine Research</i> , 2010, 68, 767-798.	0.3	18
110	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> , 2010, 7, 133.	0.7	39
111	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> , 2010, 75, 17-37.	0.5	88
112	When noise becomes the signal: Chemical contamination of aquatic ecosystems under a changing climate. <i>Marine Pollution Bulletin</i> , 2010, 60, 1633-1635.	2.3	22
113	The carbon budget of the northern cryosphere region. <i>Current Opinion in Environmental Sustainability</i> , 2010, 2, 231-236.	3.1	61
114	Preface: Special Section on Canadian Ocean Studies Conducted During International Polar Year. <i>Atmosphere - Ocean</i> , 2010, 48, 1-2.	0.6	0
115	Coupling Laser Ablation and Atomic Fluorescence Spectrophotometry: An Example Using Mercury Analysis of Small Sections of Fish Scales. <i>Analytical Chemistry</i> , 2010, 82, 8785-8788.	3.2	20
116	Natural and Anthropogenic Mercury Distribution in Marine Sediments from Hudson Bay, Canada. <i>Environmental Science &amp; Technology</i> , 2010, 44, 5805-5811.	4.6	43
117	Biogeochemical Controls on PCB Deposition in Hudson Bay. <i>Environmental Science &amp; Technology</i> , 2010, 44, 3280-3285.	4.6	36
118	$\hat{1}\pm$ - and $\hat{1}^3$ -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> , 2010, 44, 9258-9264.	4.6	28
119	Elemental and stable isotopic constraints on river influence and patterns of nitrogen cycling and biological productivity in Hudson Bay. <i>Continental Shelf Research</i> , 2010, 30, 163-176.	0.9	50
120	Effects of future climate change on primary productivity and export fluxes in the Beaufort Sea. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	50
121	Increasing Contaminant Burdens in an Arctic Fish, Burbot ( <i>Lota lota</i> ), in a Warming Climate. <i>Environmental Science &amp; Technology</i> , 2010, 44, 316-322.	4.6	127
122	Seabird-driven shifts in Arctic pond ecosystems. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2009, 276, 591-596.	1.2	102
123	Historical analysis of salmon-derived polychlorinated biphenyls (PCBs) in lake sediments. <i>Science of the Total Environment</i> , 2009, 407, 1977-1989.	3.9	10
124	Natural rates of sediment containment of PAH, PCB and metal inventories in Sydney Harbour, Nova Scotia. <i>Science of the Total Environment</i> , 2009, 407, 4858-4869.	3.9	39
125	Large and growing environmental reservoirs of Deca-BDE present an emerging health risk for fish and marine mammals. <i>Marine Pollution Bulletin</i> , 2009, 58, 7-10.	2.3	157
126	Primary productivity and export fluxes on the Canadian shelf of the Beaufort Sea: A modelling study. <i>Journal of Marine Systems</i> , 2009, 75, 17-32.	0.9	64



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127	Trace element and molecular markers of organic carbon dynamics along a shelfâ€“basin continuum in sediments of the western Arctic Ocean. <i>Marine Chemistry</i> , 2009, 115, 72-85.	0.9	24
128	Towards a sediment and organic carbon budget for Hudson Bay. <i>Marine Geology</i> , 2009, 264, 190-208.	0.9	39
129	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> , 2009, 28, 2426-2433.	2.2	67
130	Mercury in the Arctic: Are We Overlooking the Ocean. <i>Integrated Environmental Assessment and Management</i> , 2009, 5, 178.	1.6	0
131	Accelerated delivery of polychlorinated biphenyls (PCBs) in recent sediments near a large seabird colony in Arctic Canada. <i>Environmental Pollution</i> , 2009, 157, 2769-2775.	3.7	26
132	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> , 2009, 114, .	3.3	39
133	Sensitivity of the carbon cycle in the Arctic to climate change. <i>Ecological Monographs</i> , 2009, 79, 523-555.	2.4	814
134	Glacial to postglacial transformation of organic input pathways in Arctic Ocean basins. <i>Global Biogeochemical Cycles</i> , 2009, 23, .	1.9	7
135	The Use of Stable Oxygen Isotope ( $\delta^{18}O$ ) Composition in Sockeye Salmon Body Fluid to Determine whether a Fish Has Been Caught in Freshwater. <i>North American Journal of Fisheries Management</i> , 2009, 29, 560-569.	0.5	2
136	Effects of local and global change on an inland sea: the Strait of Georgia, British Columbia, Canada. <i>Climate Research</i> , 2009, 40, 1-21.	0.4	52
137	Sources, pathways and sinks of particulate organic matter in Hudson Bay: Evidence from lignin distributions. <i>Marine Chemistry</i> , 2008, 112, 215-229.	0.9	64
138	Sea ice, hydrological, and biological processes in the Churchill River estuary region, Hudson Bay. <i>Estuarine, Coastal and Shelf Science</i> , 2008, 77, 369-384.	0.9	39
139	Contemporary and preindustrial mass budgets of mercury in the Hudson Bay Marine System: The role of sediment recycling. <i>Science of the Total Environment</i> , 2008, 406, 190-204.	3.9	37
140	Sewage treatment wasted â€“ The Victoria (BC, Canada) example. <i>Marine Pollution Bulletin</i> , 2008, 56, 1815-1816.	2.3	4
141	The overlooked role of the ocean in mercury cycling in the Arctic. <i>Marine Pollution Bulletin</i> , 2008, 56, 1963-1965.	2.3	13
142	A mass balance inventory of mercury in the Arctic Ocean. <i>Environmental Chemistry</i> , 2008, 5, 89.	0.7	154
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