

# Gary Stern

## List of Publications by Citations

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124  
papers

8,036  
citations

50  
h-index

87  
g-index

124  
ext. papers

8,724  
ext. citations

7.3  
avg. IF

5.46  
L-index

#	Paper	IF	Citations
124	Contaminants in the Canadian Arctic: 5 years of progress in understanding sources, occurrence and pathways. <i>Science of the Total Environment</i> , <b>2000</b> , 254, 93-234	10.2	526
123	Levels and trends of polybrominated diphenylethers and other brominated flame retardants in wildlife. <i>Environment International</i> , <b>2003</b> , 29, 757-70	12.9	359
122	Using passive air samplers to assess urban-rural trends for persistent organic pollutants. 1. Polychlorinated biphenyls and organochlorine pesticides. <i>Environmental Science &amp; Technology</i> , <b>2004</b> , 38, 4474-83	10.3	339
121	Fluorinated organic compounds in an eastern Arctic marine food web. <i>Environmental Science &amp; Technology</i> , <b>2004</b> , 38, 6475-81	10.3	291
120	PAHs, PCBs, PCNs, organochlorine pesticides, synthetic musks, and polychlorinated n-alkanes in U.K. sewage sludge: survey results and implications. <i>Environmental Science &amp; Technology</i> , <b>2003</b> , 37, 462-7	10.3	278
119	Atmospheric monitoring of organic pollutants in the Arctic under the Arctic Monitoring and Assessment Programme (AMAP): 1993-2006. <i>Science of the Total Environment</i> , <b>2010</b> , 408, 2854-73	10.2	260
118	What are the toxicological effects of mercury in Arctic biota?. <i>Science of the Total Environment</i> , <b>2013</b> , 443, 775-90	10.2	238
117	Temporal and spatial variabilities of atmospheric polychlorinated biphenyls (PCBs), organochlorine (OC) pesticides and polycyclic aromatic hydrocarbons (PAHs) in the Canadian Arctic: results from a decade of monitoring. <i>Science of the Total Environment</i> , <b>2005</b> , 342, 119-44	10.2	229
116	Quantifying C10 $\delta$ 13 Polychloroalkanes in Environmental Samples by High-Resolution Gas Chromatography/Electron Capture Negative Ion High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , <b>1997</b> , 69, 2762-2771	7.8	213
115	Using passive air samplers to assess urban-rural trends for persistent organic pollutants and polycyclic aromatic hydrocarbons. 2. Seasonal trends for PAHs, PCBs, and organochlorine pesticides. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 5763-73	10.3	203
114	How does climate change influence Arctic mercury?. <i>Science of the Total Environment</i> , <b>2012</b> , 414, 22-42	10.2	169
113	Evidence for control of mercury accumulation rates in Canadian High Arctic lake sediments by variations of aquatic primary productivity. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 5259-65	10.3	165
112	Occurrence of C10 $\delta$ 13 Polychlorinated n-Alkanes in Canadian Midlatitude and Arctic Lake Sediments. <i>Environmental Science &amp; Technology</i> , <b>1999</b> , 33, 2858-2863	10.3	127
111	Temporal trends of organochlorine pesticides in the Canadian Arctic atmosphere. <i>Environmental Science &amp; Technology</i> , <b>2002</b> , 36, 862-8	10.3	126
110	Evidence for Organic Film on an Impervious Urban Surface: Characterization and Potential Teratogenic Effects. <i>Environmental Science &amp; Technology</i> , <b>2000</b> , 34, 2900-2908	10.3	125
109	Isolation and identification of two major recalcitrant toxaphene congeners in aquatic biota. <i>Environmental Science &amp; Technology</i> , <b>1992</b> , 26, 1838-1840	10.3	123
108	Atmospherically derived organic surface films along an urban-rural gradient. <i>Environmental Science &amp; Technology</i> , <b>2001</b> , 35, 4031-7	10.3	120

107	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
106	Temporal trends of persistent organic pollutants in Arctic marine and freshwater biota. <i>Science of the Total Environment</i> , <b>2019</b> , 649, 99-110	10.2	113
105	Organophosphate Esters in Canadian Arctic Air: Occurrence, Levels and Trends. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 7409-15	10.3	111
104	Polychlorinated Biphenyls in Arctic Air. 1. Temporal and Spatial Trends: 1992-1994. <i>Environmental Science &amp; Technology</i> , <b>1997</b> , 31, 3619-3628	10.3	108
103	Summer diet of beluga whales inferred by fatty acid analysis of the eastern Beaufort Sea food web. <i>Journal of Experimental Marine Biology and Ecology</i> , <b>2009</b> , 374, 12-18	2.1	107
102	Current state of knowledge on biological effects from contaminants on arctic wildlife and fish. <i>Science of the Total Environment</i> , <b>2019</b> , 696, 133792	10.2	103
101	The delivery of mercury to the Beaufort Sea of the Arctic Ocean by the Mackenzie River. <i>Science of the Total Environment</i> , <b>2007</b> , 373, 178-95	10.2	100
100	Temporal trends of Hg in Arctic biota, an update. <i>Science of the Total Environment</i> , <b>2011</b> , 409, 3520-6	10.2	98
99	Trophodynamics of some PFCs and BFRs in a western Canadian Arctic marine food web. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 4076-81	10.3	98
98	Standardisation of Rock-Eval pyrolysis for the analysis of recent sediments and soils. <i>Organic Geochemistry</i> , <b>2012</b> , 46, 38-53	3.1	96
97	Linking mercury exposure to habitat and feeding behaviour in Beaufort Sea beluga whales. <i>Journal of Marine Systems</i> , <b>2008</b> , 74, 1012-1024	2.7	89
96	Short and medium chain length chlorinated paraffins in UK human milk fat. <i>Environment International</i> , <b>2006</b> , 32, 34-40	12.9	87
95	Spatial and seasonal variations of Hexachlorocyclohexanes (HCHs) and hexachlorobenzene (HCB) in the Arctic atmosphere. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 6601-7	10.3	86
94	Levels of C10-13Polychloro-n-Alkanes in Marine Mammals from the Arctic and the St. Lawrence River Estuary. <i>Environmental Science &amp; Technology</i> , <b>2000</b> , 34, 1615-1619	10.3	86
93	Modern and historical fluxes of halogenated organic contaminants to a lake in the Canadian arctic, as determined from annually laminated sediment cores. <i>Science of the Total Environment</i> , <b>2005</b> , 342, 223-43	10.2	82
92	Analysis of C(14)-C(17) Polychloro-n-alkanes in Environmental Matrixes by Accelerated Solvent Extraction-High-Resolution Gas Chromatography/Electron Capture Negative Ion High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , <b>1999</b> , 71, 4860-5	7.8	79
91	Segregation of Beaufort Sea beluga whales during the open-water season. <i>Canadian Journal of Zoology</i> , <b>2006</b> , 84, 1743-1751	1.5	77
90	Spatial and temporal trends in short-chain chlorinated paraffins in Lake Ontario sediments. <i>Environmental Science &amp; Technology</i> , <b>2003</b> , 37, 4561-8	10.3	74

89	Are PCBs in the Canadian Arctic atmosphere declining? Evidence from 5 years of monitoring. <i>Environmental Science &amp; Technology</i> , <b>2001</b> , 35, 1303-11	10.3	74
88	Spatial and temporal variability in air concentrations of short-chain (C10-C13) and medium-chain (C14-C17) chlorinated n-alkanes measured in the U.K. atmosphere. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 4407-15	10.3	73
87	Historical interrelated variations of mercury and aquatic organic matter in lake sediment cores from a subArctic lake in Yukon, Canada: further evidence toward the algal-mercury scavenging hypothesis. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 7684-90	10.3	70
86	Persistent organic pollutants (POPs) in a small, herbivorous, arctic marine zooplankton ( <i>Calanus hyperboreus</i> ): trends from April to July and the influence of lipids and trophic transfer. <i>Marine Pollution Bulletin</i> , <b>2001</b> , 43, 93-101	6.7	68
85	Trace metal profiles in the varved sediment of an Arctic lake. <i>Geochimica Et Cosmochimica Acta</i> , <b>2005</b> , 69, 4881-4894	5.5	66
84	Interlaboratory Study on Quantitative Methods of Analysis of C10-C13 Polychloro-n-alkanes. <i>Analytical Chemistry</i> , <b>1999</b> , 71, 446-451	7.8	66
83	Size and biomagnification: How Habitat selection explains beluga mercury levels. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 3982-8	10.3	63
82	Air-water exchange of anthropogenic and natural organohalogenes on International Polar Year (IPY) expeditions in the Canadian Arctic. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 876-81	10.3	62
81	Sources, pathways and sinks of particulate organic matter in Hudson Bay: Evidence from lignin distributions. <i>Marine Chemistry</i> , <b>2008</b> , 112, 215-229	3.7	58
80	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
79	Resolving the long-term trends of polycyclic aromatic hydrocarbons in the Canadian Arctic atmosphere. <i>Environmental Science &amp; Technology</i> , <b>2006</b> , 40, 3217-22	10.3	56
78	Spatial and Temporal Trends in Sediment Contamination in Lake Ontario. <i>Journal of Great Lakes Research</i> , <b>2003</b> , 29, 317-331	3	56
77	Characterization of Two Major Toxaphene Components in Treated Lake Sediment. <i>Environmental Science &amp; Technology</i> , <b>1996</b> , 30, 2251-2258	10.3	53
76	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
75	Surficial Sediment Contamination in Lakes Erie and Ontario: A Comparative Analysis. <i>Journal of Great Lakes Research</i> , <b>2002</b> , 28, 437-450	3	50
74	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
73	Mercury trends in ringed seals ( <i>Phoca hispida</i> ) from the western Canadian Arctic since 1973: associations with length of ice-free season. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 3646-51	10.3	49
72	Global distribution of halogenated dimethyl bipyroles in marine mammal blubber. <i>Archives of Environmental Contamination and Toxicology</i> , <b>2002</b> , 43, 244-55	3.2	46

71	Biogeographic provinces of total and methyl mercury in zooplankton and fish from the Beaufort and Chukchi seas: results from the SHEBA drift. <i>Environmental Science &amp; Technology</i> , <b>2005</b> , 39, 4707-13	10.3	45
70	Chlorobornanes in sediments and fish 30 years after toxaphene treatment of lakes. <i>Environmental Science &amp; Technology</i> , <b>1995</b> , 29, 2490-5	10.3	43
69	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
68	Mercury distribution and transport across the ocean-sea-ice-atmosphere interface in the Arctic Ocean. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 1866-72	10.3	41
67	Mercury toxicity in beluga whale lymphocytes: limited effects of selenium protection. <i>Aquatic Toxicology</i> , <b>2012</b> , 109, 185-93	5.1	39
66	Methylmercury and selenium speciation in different tissues of beluga whales ( <i>Delphinapterus leucas</i> ) from the western Canadian Arctic. <i>Environmental Toxicology and Chemistry</i> , <b>2011</b> , 30, 2732-8	3.8	38
65	Gas-phase ambient air contaminants exhibit significant dioxin-like and estrogen-like activity in vitro. <i>Environmental Health Perspectives</i> , <b>2006</b> , 114, 697-703	8.4	38
64	Semivolatile organic compounds in window films from lower Manhattan after the September 11th World Trade Center attacks. <i>Environmental Science &amp; Technology</i> , <b>2004</b> , 38, 3514-24	10.3	37
63	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
62	20 Years of Air-Water Gas Exchange Observations for Pesticides in the Western Arctic Ocean. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 13844-52	10.3	36
61	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
60	Towards a sediment and organic carbon budget for Hudson Bay. <i>Marine Geology</i> , <b>2009</b> , 264, 190-208	3.3	35
59	Enantioselective determination of two persistent chlorobornane congeners in sediment from a toxaphene-treated Yukon lake. <i>Environmental Toxicology and Chemistry</i> , <b>1999</b> , 18, 2775-2781	3.8	34
58	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> , <b>2008</b> , 406, 190-204	10.2	33
57	Chlorobornanes in Water, Sediment, and Fish from Toxaphene Treated and Untreated Lakes in Western Canada. <i>Environmental Science &amp; Technology</i> , <b>1998</b> , 32, 1391-1397	10.3	33
56	Biogeochemical controls on PCB deposition in Hudson Bay. <i>Environmental Science &amp; Technology</i> , <b>2010</b> , 44, 3280-5	10.3	32
55	Sea ice, hydrological, and biological processes in the Churchill River estuary region, Hudson Bay. <i>Estuarine, Coastal and Shelf Science</i> , <b>2008</b> , 77, 369-384	2.9	32
54	The international polar year (IPY) circumpolar flaw lead (CFL) system study: The importance of brine processes for DDT and hexachlorocyclohexane (HCH) accumulation or rejection in sea ice. <i>Atmosphere - Ocean</i> , <b>2010</b> , 48, 244-262	1.5	31

53	Characterization of organic matter in surface sediments of the Mackenzie River Basin, Canada. <i>International Journal of Coal Geology</i> , <b>2009</b> , 77, 416-423	5.5	30
52	Comparison of an individual congener standard and a technical mixture for the quantification of toxaphene in environmental matrices by HRGC/ECNI-HRMS. <i>Environmental Science &amp; Technology</i> , <b>2001</b> , 35, 3513-8	10.3	29
51	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
50	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
49	Spatial Distributions and Temporal Trends in Sediment Contamination in Lake St. Clair. <i>Journal of Great Lakes Research</i> , <b>2007</b> , 33, 668	3	27
48	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
47	Temporal and spatial trends of persistent organochlorines in Greenland walrus ( <i>Odobenus rosmarus rosmarus</i> ). <i>Science of the Total Environment</i> , <b>2000</b> , 245, 73-86	10.2	26
46	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
45	Consequences of change and variability in sea ice on marine ecosystem and biogeochemical processes during the 2007-2008 Canadian International Polar Year program. <i>Climatic Change</i> , <b>2012</b> , 115, 135-159	4.5	24
44	A first assessment of microplastics and other anthropogenic particles in Hudson Bay and the surrounding eastern Canadian Arctic waters of Nunavut. <i>Facets</i> , <b>2020</b> , 5, 432-454	2.3	24
43	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
42	Western Canadian Arctic ringed seal organic contaminant trends in relation to sea ice break-up. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 4427-33	10.3	22
41	Mercury and other contaminants in fish from Lake Chad, Africa. <i>Bulletin of Environmental Contamination and Toxicology</i> , <b>2004</b> , 73, 249-56	2.7	22
40	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
39	Mass spectrometric studies of the toxaphene components 2-exo,3-endo,5-exo,6-endo,8,8,10,10-octachlorobornane (T2) and 2-exo,3-endo,5-exo,6-endo,8,8,9,10,10-nonachlorobornane (T12). <i>Biological Mass Spectrometry</i> , <b>1993</b> , 22, 19-30		19
38	Annual cycles of organochlorine pesticide enantiomers in Arctic air suggest changing sources and pathways. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 1411-1420	6.8	18
37	When will HCH disappear from the western Arctic Ocean?. <i>Journal of Marine Systems</i> , <b>2013</b> , 127, 88-100	2.7	18
36	Classification of mercury labile organic matter relationships in lake sediments. <i>Chemical Geology</i> , <b>2014</b> , 373, 87-92	4.2	17

35	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
34	Mechanisms and implications of HCH enrichment in melt pond water on Arctic sea ice. <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 11862-9	10.3	16
33	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
32	Fate of organochlorine contaminants in arctic and subarctic lakes estimated by mass balance modelling. <i>Science of the Total Environment</i> , <b>2005</b> , 342, 245-59	10.2	15
31	Anthropogenic particles (including microfibers and microplastics) in marine sediments of the Canadian Arctic. <i>Science of the Total Environment</i> , <b>2021</b> , 784, 147155	10.2	15
30	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
29	A Controlled Experiment on Oil Release Beneath Thin Sea Ice and Its Electromagnetic Detection. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2018</b> , 56, 4406-4419	8.1	13
28	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2017</b> , 55, 4465-4475	8.1	12
27	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
26	Reconstructing variability in West Greenland ocean biogeochemistry and bowhead whale ( <i>Balaena mysticetus</i> ) food web structure using amino acid isotope ratios. <i>Polar Biology</i> , <b>2017</b> , 40, 2225-2238	2	11
25	Polycyclic aromatic hydrocarbon metabolites in Arctic cod ( <i>Boreogadus saida</i> ) from the Beaufort Sea and associative fish health effects. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 11629-36	10.3	11
24	Biotic interactions in temporal trends (1992-2010) of organochlorine contaminants in the aquatic food web of Lake Laberge, Yukon Territory. <i>Science of the Total Environment</i> , <b>2013</b> , 443, 80-92	10.2	11
23	The overlooked role of the ocean in mercury cycling in the Arctic. <i>Marine Pollution Bulletin</i> , <b>2008</b> , 56, 1963-5	6.7	11
22	Dynamics of PCBs in the Food Web of Lake Winnipeg. <i>Journal of Great Lakes Research</i> , <b>2006</b> , 32, 712	3	10
21	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2018</b> , 56, 921-936	8.1	10
20	Oil behavior in sea ice: Changes in chemical composition and resultant effect on sea ice dielectrics. <i>Marine Pollution Bulletin</i> , <b>2019</b> , 142, 216-233	6.7	9
19	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
18	Ecological niche of coastal Beaufort Sea fishes defined by stable isotopes and fatty acids. <i>Marine Ecology - Progress Series</i> , <b>2016</b> , 559, 159-173	2.6	9

17	Effect of dissolution, evaporation, and photooxidation on crude oil chemical composition, dielectric properties and its radar signature in the Arctic environment. <i>Marine Pollution Bulletin</i> , <b>2020</b> , 151, 110629	6.7	9
16	Mercury uptake within an ice algal community during the spring bloom in first-year Arctic sea ice. <i>Journal of Geophysical Research: Oceans</i> , <b>2013</b> , 118, 4746-4754	3.3	8
15	Bias from two analytical laboratories involved in a long-term air monitoring program measuring organic pollutants in the Arctic: a quality assurance/quality control assessment. <i>Journal of Environmental Monitoring</i> , <b>2011</b> , 13, 3111-8		8
14	Use of stable isotopes and trace elements to determine harvest composition and wintering assemblages of belugas at a contemporary ecological scale. <i>Endangered Species Research</i> , <b>2012</b> , 18, 179-191	2.5	6
13	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
12	Refined tunable methodology for characterization of contaminant-particle relationships in surface water. <i>Journal of Environmental Quality</i> , <b>2004</b> , 33, 2132-40	3.4	5
11	Geometrical isomerism and <sup>19</sup> F NMR spectroscopy of octahedral perfluoroethyl- and perfluoropropyl-substituted diketonates and monothio-diketonates of rhodium(III). <i>Canadian Journal of Chemistry</i> , <b>1999</b> , 77, 1734-1744	0.9	5
10	Photooxidation and biodegradation potential of a light crude oil in first-year sea ice. <i>Marine Pollution Bulletin</i> , <b>2021</b> , 165, 112154	6.7	4
9	Algal scavenging of mercury in preindustrial Arctic lakes. <i>Limnology and Oceanography</i> , <b>2019</b> , 64, 1558-1571	1.7	4
8	Examining the physical processes of corn oil (medium crude oil surrogate) in sea ice and its resultant effect on complex permittivity and normalized radar cross-section. <i>Marine Pollution Bulletin</i> , <b>2019</b> , 142, 484-493	6.7	3
7	Comparison of micrometeorological and two-film estimates of air-water gas exchange for alpha-hexachlorocyclohexane in the Canadian archipelago. <i>Environmental Science and Pollution Research</i> , <b>2012</b> , 19, 1908-14	5.1	3
6	Investigation into the geometry and distribution of oil inclusions in sea ice using non-destructive X-ray microtomography and its implications for remote sensing and mitigation potential. <i>Marine Pollution Bulletin</i> , <b>2021</b> , 173, 112996	6.7	2
5	Towards the Detection of Oil Spills in Newly-Formed Sea Ice using C-Band Multi-polarization Radar. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 1-1	8.1	2
4	Mercury and stable isotope ( <sup>13</sup> C and <sup>15</sup> N) trends in decapods of the Beaufort Sea. <i>Polar Biology</i> , <b>2020</b> , 43, 443-456	2	0
3	Elemental mercury in the marine boundary layer of North America: Temporal and spatial patterns. <i>Marine Chemistry</i> , <b>2020</b> , 220, 103755	3.7	
2	Mercury in the Arctic: are we overlooking the ocean?. <i>Integrated Environmental Assessment and Management</i> , <b>2009</b> , 5, 178-80	2.5	
1	Dedication of the STOTEN Special Issue AMAP Assessment 2021: Mercury in the Arctic to Robie W. Macdonald.. <i>Science of the Total Environment</i> , <b>2022</b> , 836, 155581	10.2	