

# Derek C G Muir

## List of Publications by Year in descending order

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609  
papers

45,119  
citations

1536

106  
h-index

3830

178  
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617  
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617  
docs citations

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times ranked

19727  
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards a better understanding of deep convolutional neural network processes for recognizing organic chemicals of environmental concern. <i>Journal of Hazardous Materials</i> , 2022, 421, 126746.	12.4	1
2	Response to Comment on “Screening New Persistent and Bioaccumulative Organics in China” <sup>TM</sup> s Inventory of Industrial Chemicals – A Call for Further Environmental Research on Organosilicons Produced in China. <i>Environmental Science &amp; Technology</i> , 2022, 56, 693-696.	10.0	2
3	Perfluoroalkyl substances in circum-Arctic Rangifer: caribou and reindeer. <i>Environmental Science and Pollution Research</i> , 2022, 29, 23721-23735.	5.3	6
4	Investigation of perfluoroalkyl substances in proglacial rivers and permafrost seep in a high Arctic watershed. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 42-51.	3.5	1
5	Influence of climate change on persistent organic pollutants and chemicals of emerging concern in the Arctic: state of knowledge and recommendations for future research. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 1530-1543.	3.5	15
6	Climate change influence on the levels and trends of persistent organic pollutants (POPs) and chemicals of emerging Arctic concern (CEACs) in the Arctic physical environment – a review. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 1577-1615.	3.5	36
7	The influence of global climate change on accumulation and toxicity of persistent organic pollutants and chemicals of emerging concern in Arctic food webs. <i>Environmental Sciences: Processes and Impacts</i> , 2022, 24, 1544-1576.	3.5	33
8	Enhancing Scientific Support for the Stockholm Convention <sup>TM</sup> s Implementation: An Analysis of Policy Needs for Scientific Evidence. <i>Environmental Science &amp; Technology</i> , 2022, 56, 2936-2949.	10.0	25
9	Why do we monitor? Using seabird eggs to track trends in Arctic environmental contamination. <i>Environmental Reviews</i> , 2022, 30, 245-267.	4.5	14
10	Climate change and mercury in the Arctic: Biotic interactions. <i>Science of the Total Environment</i> , 2022, 834, 155221.	8.0	24
11	Temporal trends of mercury in Arctic biota: 10 more years of progress in Arctic monitoring. <i>Science of the Total Environment</i> , 2022, 839, 155803.	8.0	15
12	Mercury Isotope Variations in Lake Sediment Cores in Response to Direct Mercury Emissions from Non-Ferrous Metal Smelters and Legacy Mercury Remobilization. <i>Environmental Science &amp; Technology</i> , 2022, 56, 8266-8277.	10.0	12
13	Diet influences on growth and mercury concentrations of two salmonid species from lakes in the eastern Canadian Arctic. <i>Environmental Pollution</i> , 2021, 268, 115820.	7.5	10
14	Long-term spatial and temporal trends, and source apportionment of polycyclic aromatic compounds in the Athabasca Oil Sands Region. <i>Environmental Pollution</i> , 2021, 268, 115351.	7.5	15
15	Validation of dried blood spot sampling for determining trophic positions of Arctic char using nitrogen stable isotope analyses of amino acids. <i>Rapid Communications in Mass Spectrometry</i> , 2021, 35, e8992.	1.5	3
16	Contaminants and Ecotoxicology. , 2021, , 355-427.		0
17	Contribution of Dietary Uptake to PAH Bioaccumulation in a Simplified Pelagic Food Chain: Modeling the Influences of Continuous vs Intermittent Feeding in Zooplankton and Fish. <i>Environmental Science &amp; Technology</i> , 2021, 55, 1930-1940.	10.0	26
18	Spatial and Temporal Trends of Perfluoroalkyl Substances in Global Ocean and Coastal Waters. <i>Environmental Science &amp; Technology</i> , 2021, 55, 9527-9537.	10.0	81

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19	Polycyclic aromatic compounds (PACs) in the Canadian environment: Links to global change. <i>Environmental Pollution</i> , 2021, 273, 116425.	7.5	12
20	Lake Superior Has Lost over 90% of Its Pesticide HCH Load since 1986. <i>Environmental Science &amp; Technology</i> , 2021, 55, 9518-9526.	10.0	8
21	Ecological effects and causal synthesis of oil sands activity impacts on river ecosystems: water synthesis review. <i>Environmental Reviews</i> , 2021, 29, 315-327.	4.5	19
22	Spatial trends and temporal declines in tissue metals/metalloids in the context of wild fish health at the St. Clair River Area of Concern. <i>Journal of Great Lakes Research</i> , 2021, 47, 900-915.	1.9	3
23	Historic Atmospheric Organochlorine Pesticide and Halogenated Industrial Compound Inputs to Glacier Ice Cores in Antarctica and the Arctic. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2534-2543.	2.7	4
24	Measurable Levels of Short-Chain Chlorinated Paraffins in Western Hudson Bay Fishes but Limited Biomagnification from Fish to Ringed Seals. <i>Environmental Toxicology and Chemistry</i> , 2021, 40, 2990-2999.	4.3	1
25	Polycyclic aromatic compounds in the Canadian Environment: Aquatic and terrestrial environments. <i>Environmental Pollution</i> , 2021, 285, 117442.	7.5	24
26	The influence of a lost society, the Sadlermiut, on the environment in the Canadian Arctic. <i>Scientific Reports</i> , 2021, 11, 18504.	3.3	1
27	Spatial distribution and air-water exchange of organophosphate esters in the lower Great Lakes. <i>Environmental Pollution</i> , 2021, 286, 117349.	7.5	12
28	Correlation of Mercury Occurrence with Age, Elemental Composition, and Life History in Sea-Run Food Fish from the Canadian Arctic Archipelago's Lower Northwest Passage. <i>Foods</i> , 2021, 10, 2621.	4.3	4
29	Data-Independent Identification of Suspected Organic Pollutants Using Gas Chromatography-Atmospheric Pressure Chemical Ionization-Mass Spectrometry. <i>Analytical Chemistry</i> , 2021, 93, 1498-1506.	6.5	8
30	Which of the (Mixed) Halogenated n-Alkanes Are Likely To Be Persistent Organic Pollutants?. <i>Environmental Science &amp; Technology</i> , 2021, 55, 15912-15920.	10.0	16
31	Quantification of Spatial and Temporal Trends in Atmospheric Mercury Deposition across Canada over the Past 30 Years. <i>Environmental Science &amp; Technology</i> , 2021, 55, 15766-15775.	10.0	10
32	In Situ Passive Sampling Techniques for Monitoring Environmental Mixture Exposure. , 2020, , 13-21.		1
33	Lead contamination from gold mining in Yellowknife Bay (Northwest Territories), reconstructed using stable lead isotopes. <i>Environmental Pollution</i> , 2020, 259, 113888.	7.5	24
34	Long-range transport of legacy organic pollutants affects alpine fish eaten by ospreys in western Canada. <i>Science of the Total Environment</i> , 2020, 712, 135889.	8.0	10
35	Multicompartmental Toxicokinetic Modeling of Discrete Dietary and Continuous Waterborne Uptake of Two Polycyclic Aromatic Hydrocarbons by Zebrafish <i>Danio rerio</i> . <i>Environmental Science &amp; Technology</i> , 2020, 54, 1054-1065.	10.0	16
36	Microplastic Impacts on Microalgae Growth: Effects of Size and Humic Acid. <i>Environmental Science &amp; Technology</i> , 2020, 54, 1782-1789.	10.0	207

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37	Atmospheric deposition of polychlorinated biphenyls to seasonal surface snow at four glacier sites on Svalbard, 2013–2014. <i>Chemosphere</i> , 2020, 243, 125324.	8.2	16
38	Mercury in Ringed Seals ( <i>Pusa hispida</i> ) from the Canadian Arctic in Relation to Time and Climate Parameters. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 2462-2474.	4.3	16
39	A one-century sedimentary record of N- and S-polycyclic aromatic compounds in the Athabasca oil sands region in Canada. <i>Chemosphere</i> , 2020, 260, 127641.	8.2	14
40	Comparing temporal patterns in body condition of ringed seals living within their core geographic range with those living at the edge. <i>Ecography</i> , 2020, 43, 1521-1535.	4.5	10
41	Atmospheric trace metal deposition to remote Northwest Ontario, Canada: Anthropogenic fluxes and inventories from 1860 to 2010. <i>Science of the Total Environment</i> , 2020, 749, 142276.	8.0	23
42	Deposition of Polychlorinated Biphenyls to Firn and Ice Cores at Opposite Polar Sites: Site M, Dronning Maud Land, Antarctica, and Holtedahlfonna, Svalbard. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 2096-2104.	2.7	2
43	Chlorines Are Not Evenly Substituted in Chlorinated Paraffins: A Predicted NMR Pattern Matching Framework for Isomeric Discrimination in Complex Contaminant Mixtures. <i>Environmental Science and Technology Letters</i> , 2020, 7, 496-503.	8.7	23
44	Screening New Persistent and Bioaccumulative Organics in China's Inventory of Industrial Chemicals. <i>Environmental Science &amp; Technology</i> , 2020, 54, 7398-7408.	10.0	42
45	Toxic chemical exposure from global fish trade. <i>Nature Food</i> , 2020, 1, 259-259.	14.0	1
46	Identification of Potential PBT/POP-Like Chemicals by a Deep Learning Approach Based on 2D Structural Features. <i>Environmental Science &amp; Technology</i> , 2020, 54, 8221-8231.	10.0	26
47	Brown bullhead at the St. Lawrence River (Cornwall) Area of Concern: health and endocrine status in the context of tissue concentrations of PCBs and mercury. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 404.	2.7	4
48	Sources of atmospheric metal(loid) pollution recorded in Thompson Manitoba lake sediment cores within the Canadian boreal biome. <i>Science of the Total Environment</i> , 2020, 732, 139043.	8.0	5
49	The distribution and transport of lead over two centuries as recorded by lake sediments from northeastern North America. <i>Science of the Total Environment</i> , 2020, 737, 140212.	8.0	18
50	Atmospheric Deposition of Organochlorine Pesticides and Industrial Compounds to Seasonal Surface Snow at Four Glacier Sites on Svalbard, 2013–2014. <i>Environmental Science &amp; Technology</i> , 2020, 54, 9265-9273.	10.0	18
51	Temporal Trends in Polybrominated Diphenylethers (PBDEs) in Blubber of Ringed Seals ( <i>Pusa hispida</i> ) from Ulukhaktok, NT, Canada Between 1981 and 2015. <i>Archives of Environmental Contamination and Toxicology</i> , 2020, 79, 167-176.	4.1	7
52	Dried Blood Spot Sampling of Landlocked Arctic Char ( <i>Salvelinus alpinus</i> ) for Estimating Mercury Exposure and Stable Carbon Isotope Fingerprinting of Essential Amino Acids. <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 893-903.	4.3	5
53	Joint effect of nanoplastics and humic acid on the uptake of PAHs for <i>Daphnia magna</i> : A model study. <i>Journal of Hazardous Materials</i> , 2020, 391, 122195.	12.4	38
54	Contrasting Temporal Patterns of Mercury, Niche Dynamics, and Body Fat Indices of Polar Bears and Ringed Seals in a Melting Icescape. <i>Environmental Science &amp; Technology</i> , 2020, 54, 2780-2789.	10.0	20

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55	Toward a Global Understanding of Chemical Pollution: A First Comprehensive Analysis of National and Regional Chemical Inventories. <i>Environmental Science &amp; Technology</i> , 2020, 54, 2575-2584.	10.0	456
56	Glacial Melt Inputs of Organophosphate Ester Flame Retardants to the Largest High Arctic Lake. <i>Environmental Science &amp; Technology</i> , 2020, 54, 2734-2743.	10.0	39
57	Tissue contaminants and wild fish health in the St. Clair River Area of Concern – Part 2: Spatial trends and temporal declines in organics. <i>Science of the Total Environment</i> , 2020, 746, 136525.	8.0	5
58	Ice Core Record of Persistent Short-Chain Fluorinated Alkyl Acids: Evidence of the Impact From Global Environmental Regulations. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087535.	4.0	43
59	Contrasting the ecological effects of decreasing ice cover versus accelerated glacial melt on the High Arctic's largest lake. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201185.	2.6	5
60	Qualitative Approach to Comparative Exposure in Alternatives Assessment. <i>Integrated Environmental Assessment and Management</i> , 2019, 15, 880-894.	2.9	17
61	Substituted diphenylamine antioxidants and benzotriazole UV stabilizers in blood plasma of fish, turtles, birds and dolphins from North America. <i>Science of the Total Environment</i> , 2019, 647, 182-190.	8.0	43
62	Toward Sustainable Environmental Quality: Priority Research Questions for North America. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 1606-1624.	4.3	43
63	Levels and trends of poly- and perfluoroalkyl substances in the Arctic environment – An update. <i>Emerging Contaminants</i> , 2019, 5, 240-271.	4.9	117
64	A critical review of synthetic chemicals in surface waters of the US, the EU and China. <i>Environment International</i> , 2019, 131, 104994.	10.0	112
65	Source Analysis of Pollutant Elements in Winter Air Deposition in the Athabasca Oil Sands Region: A Temporal and Spatial Study. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1656-1668.	2.7	37
66	Identifying further chemicals of emerging arctic concern based on “in silico” screening of chemical inventories. <i>Emerging Contaminants</i> , 2019, 5, 201-210.	4.9	35
67	Forage fish and polycyclic aromatic compounds in the Fort McMurray oil sands area: Body burden comparisons with environmental distributions and consumption guidelines. <i>Environmental Pollution</i> , 2019, 255, 113135.	7.5	17
68	Do intraspecific life history patterns follow interspecific predictions? A test using latitudinal variation in ringed seals. <i>Population Ecology</i> , 2019, 61, 371-382.	1.2	7
69	Fate and Transport of Perfluoroalkyl Substances from Snowpacks into a Lake in the High Arctic of Canada. <i>Environmental Science &amp; Technology</i> , 2019, 53, 10753-10762.	10.0	41
70	C <sub>12</sub> -Bromo-Chloro-Alkenes: Characterization of a Poorly Identified Flame Retardant and Potential Environmental Implications. <i>Environmental Science &amp; Technology</i> , 2019, 53, 10835-10844.	10.0	14
71	Current state of knowledge on biological effects from contaminants on arctic wildlife and fish. <i>Science of the Total Environment</i> , 2019, 696, 133792.	8.0	184
72	Compositional space: A guide for environmental chemists on the identification of persistent and bioaccumulative organics using mass spectrometry. <i>Environment International</i> , 2019, 132, 104808.	10.0	23

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73	Bioaccumulation and translocation of tetrabromobisphenol A and hexabromocyclododecanes in mangrove plants from a national nature reserve of Shenzhen City, South China. <i>Environment International</i> , 2019, 129, 239-246.	10.0	28
74	Hexachlorobutadiene (HCBD) contamination in the Arctic environment: A review. <i>Emerging Contaminants</i> , 2019, 5, 116-122.	4.9	17
75	Temporal trends, lake-to-lake variation, and climate effects on Arctic char ( <i>Salvelinus alpinus</i> ) mercury concentrations from six High Arctic lakes in Nunavut, Canada. <i>Science of the Total Environment</i> , 2019, 678, 801-812.	8.0	20
76	Sources and environmental fate of pyrogenic polycyclic aromatic hydrocarbons (PAHs) in the Arctic. <i>Emerging Contaminants</i> , 2019, 5, 128-142.	4.9	119
77	Mercury and metal(loid) deposition to remote Nova Scotia lakes from both local and distant sources. <i>Science of the Total Environment</i> , 2019, 675, 192-202.	8.0	24
78	Bioaccumulation of Selected Halogenated Organic Flame Retardants in Lake Ontario. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 1198-1210.	4.3	20
79	Dietary Uptake Patterns Affect Bioaccumulation and Biomagnification of Hydrophobic Organic Compounds in Fish. <i>Environmental Science &amp; Technology</i> , 2019, 53, 4274-4284.	10.0	40
80	Contemporary limnology of the rapidly changing glacierized watershed of the world's largest High Arctic lake. <i>Scientific Reports</i> , 2019, 9, 4447.	3.3	33
81	Levels and trends of current-use pesticides (CUPs) in the arctic: An updated review, 2010-2018. <i>Emerging Contaminants</i> , 2019, 5, 70-88.	4.9	52
82	Methods for trace analysis of short-, medium-, and long-chain chlorinated paraffins: Critical review and recommendations. <i>Analytica Chimica Acta</i> , 2019, 1074, 16-32.	5.4	63
83	Chemicals of Emerging Arctic Concern: Preface. <i>Emerging Contaminants</i> , 2019, 5, 1-3.	4.9	6
84	Trends of persistent organic pollutants in ringed seals ( <i>Phoca hispida</i> ) from the Canadian Arctic. <i>Science of the Total Environment</i> , 2019, 665, 1135-1146.	8.0	29
85	Deposition and Source Identification of Nitrogen Heterocyclic Polycyclic Aromatic Compounds in Snow, Sediment, and Air Samples from the Athabasca Oil Sands Region. <i>Environmental Science &amp; Technology</i> , 2019, 53, 2981-2989.	10.0	27
86	Screening-level risk assessment of methylmercury for non-anadromous Arctic char ( <i>Salvelinus</i> )	4.8	11
87	Characterization of perfluoroalkyl substances in sediment cores from High and Low Arctic lakes in Canada. <i>Science of the Total Environment</i> , 2019, 666, 414-422.	8.0	45
88	Occurrence of substituted diphenylamine antioxidants and benzotriazole UV stabilizers in Arctic seabirds and seals. <i>Science of the Total Environment</i> , 2019, 663, 950-957.	8.0	45
89	Snow Deposition and Melting as Drivers of Polychlorinated Biphenyls and Organochlorine Pesticides in Arctic Rivers, Lakes, and Ocean. <i>Environmental Science &amp; Technology</i> , 2019, 53, 14377-14386.	10.0	35
90	Temporal Trends in Per- and Polyfluoroalkyl Substances in Bottlenose Dolphins ( <i>Tursiops</i> )	10.0	17

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91	Temporal trends of persistent organic pollutants in Arctic marine and freshwater biota. <i>Science of the Total Environment</i> , 2019, 649, 99-110.	8.0	150
92	Drivers of Mercury Cycling in the Rapidly Changing Glacierized Watershed of the High Arctic's Largest Lake by Volume (Lake Hazen, Nunavut, Canada). <i>Environmental Science &amp; Technology</i> , 2019, 53, 1175-1185.	10.0	33
93	Practical advice for selecting or determining trophic magnification factors for application under the European Union Water Framework Directive. <i>Integrated Environmental Assessment and Management</i> , 2019, 15, 266-277.	2.9	42
94	Assessing the utility of sulfur isotope values for understanding mercury concentrations in water and biota from high Arctic lakes. <i>Arctic Science</i> , 2019, 5, 90-106.	2.3	3
95	Mandibular shape in farmed Arctic foxes ( <i>Vulpes lagopus</i> ) exposed to persistent organic pollutants. <i>Science of the Total Environment</i> , 2019, 646, 1063-1068.	8.0	5
96	Widespread Atmospheric Tellurium Contamination in Industrial and Remote Regions of Canada. <i>Environmental Science &amp; Technology</i> , 2018, 52, 6137-6145.	10.0	27
97	Geographic variation in ringed seal ( <i>Pusa hispida</i> ) growth rate and body size. <i>Canadian Journal of Zoology</i> , 2018, 96, 649-659.	1.0	11
98	Bioaccumulation of Polybrominated Diphenyl Ethers and Alternative Halogenated Flame Retardants in a Vegetation-Caribou-Wolf Food Chain of the Canadian Arctic. <i>Environmental Science &amp; Technology</i> , 2018, 52, 3136-3145.	10.0	40
99	Temporal and spatial trends in riverine suspended sediment and associated polycyclic aromatic compounds (PAC) within the Athabasca oil sands region. <i>Science of the Total Environment</i> , 2018, 626, 1382-1393.	8.0	26
100	The world's largest High Arctic lake responds rapidly to climate warming. <i>Nature Communications</i> , 2018, 9, 1290.	12.8	90
101	Aquatic exposures of chemical mixtures in urban environments: Approaches to impact assessment. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 703-714.	4.3	16
102	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.	8.0	105
103	Prevalence and sources of polychlorinated biphenyls in the atmospheric environment of Lake Victoria, East Africa. <i>Chemosphere</i> , 2018, 193, 343-350.	8.2	19
104	Concentrations, Trends, and Air-Water Exchange of PCBs and Organochlorine Pesticides Derived from Passive Samplers in Lake Superior in 2011. <i>Environmental Science &amp; Technology</i> , 2018, 52, 14061-14069.	10.0	25
105	Concentrations and Water Mass Transport of Legacy POPs in the Arctic Ocean. <i>Geophysical Research Letters</i> , 2018, 45, 12,972.	4.0	28
106	Can traditional methods of selecting food accurately assess fish health?. <i>Arctic Science</i> , 2018, 4, 205-222.	2.3	5
107	Legacy and Emerging Persistent Organic Pollutants (POPs) in Terrestrial Compartments in the High Arctic: Sorption and Secondary Sources. <i>Environmental Science &amp; Technology</i> , 2018, 52, 14187-14197.	10.0	42
108	Air synthesis review: polycyclic aromatic compounds in the oil sands region. <i>Environmental Reviews</i> , 2018, 26, 430-468.	4.5	58



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109	Characteristics and potential health risk of rural Tibetans' exposure to polycyclic aromatic hydrocarbons during summer period. <i>Environment International</i> , 2018, 118, 70-77.	10.0	26
110	Dissolved Organophosphate Esters and Polybrominated Diphenyl Ethers in Remote Marine Environments: Arctic Surface Water Distributions and Net Transport through Fram Strait. <i>Environmental Science &amp; Technology</i> , 2018, 52, 6208-6216.	10.0	83
111	Continuous non-marine inputs of per- and polyfluoroalkyl substances to the High Arctic: a multi-decadal temporal record. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 5045-5058.	4.9	57
112	Special issues are welcome. <i>Chemosphere</i> , 2018, 206, A1-A2.	8.2	0
113	Toward sustainable environmental quality: Priority research questions for Europe. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2281-2295.	4.3	98
114	Climatic Influence on Temporal Trends of Polychlorinated Biphenyls and Organochlorine Pesticides in Landlocked Char from Lakes in the Canadian High Arctic. <i>Environmental Science &amp; Technology</i> , 2018, 52, 10380-10390.	10.0	31
115	Activity concentration measurements of selected radionuclides in seals from Canadian Arctic. <i>Journal of Environmental Radioactivity</i> , 2017, 169-170, 48-55.	1.7	8
116	Concentrations of vitamin A, E, thyroid and testosterone hormones in blood plasma and tissues from emaciated adult male Arctic foxes ( <i>Vulpes lagopus</i> ) dietary exposed to persistent organic pollutants (POPs). <i>Environmental Research</i> , 2017, 154, 284-290.	7.5	11
117	Emerging investigator series: a 14-year depositional ice record of perfluoroalkyl substances in the High Arctic. <i>Environmental Sciences: Processes and Impacts</i> , 2017, 19, 22-30.	3.5	55
118	Anthropogenic mercury deposition in Flin Flon Manitoba and the Experimental Lakes Area Ontario (Canada): A multi-lake sediment core reconstruction. <i>Science of the Total Environment</i> , 2017, 586, 685-695.	8.0	32
119	Spatial and temporal trends of alternative flame retardants and polybrominated diphenyl ethers in ringed seals ( <i>Phoca hispida</i> ) across the Canadian Arctic. <i>Environmental Pollution</i> , 2017, 223, 266-276.	7.5	36
120	Halogenated phenolic compounds in wild fish from Canadian Areas of Concern. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 2266-2273.	4.3	6
121	Environmental perfluorooctane sulfonate exposure drives T cell activation in bottlenose dolphins. <i>Journal of Applied Toxicology</i> , 2017, 37, 1108-1116.	2.8	34
122	Declining Trends of Polychlorinated Naphthalenes in Seabird Eggs from the Canadian Arctic, 1975-2014. <i>Environmental Science &amp; Technology</i> , 2017, 51, 3802-3808.	10.0	22
123	Heterocyclic Aromatics in Petroleum Coke, Snow, Lake Sediments, and Air Samples from the Athabasca Oil Sands Region. <i>Environmental Science &amp; Technology</i> , 2017, 51, 5445-5453.	10.0	67
124	Exposure to Persistent Organic Pollutants Reduces Testosterone Concentrations and Affects Sperm Viability and Morphology during the Mating Peak Period in a Controlled Experiment on Farmed Arctic Foxes ( <i>Vulpes lagopus</i> ). <i>Environmental Science &amp; Technology</i> , 2017, 51, 4673-4680.	10.0	18
125	Aquatic Global Passive Sampling (AQUA-GAPS) Revisited: First Steps toward a Network of Networks for Monitoring Organic Contaminants in the Aquatic Environment. <i>Environmental Science &amp; Technology</i> , 2017, 51, 1060-1067.	10.0	61
126	Climate and permafrost effects on the chemistry and ecosystems of High Arctic Lakes. <i>Scientific Reports</i> , 2017, 7, 13292.	3.3	49



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127	Spring Melt and the Redistribution of Organochlorine Pesticides in the Sea-Ice Environment: A Comparative Study between Arctic and Antarctic Regions. <i>Environmental Science &amp; Technology</i> , 2017, 51, 8944-8952.	10.0	38
128	Comparative histories of polycyclic aromatic compound accumulation in lake sediments near petroleum operations in western Canada. <i>Environmental Pollution</i> , 2017, 231, 13-21.	7.5	20
129	Bioaccumulation of pharmaceuticals and personal care product chemicals in fish exposed to wastewater effluent in an urban wetland. <i>Scientific Reports</i> , 2017, 7, 16999.	3.3	89
130	Using sulfur stable isotopes to assess mercury bioaccumulation and biomagnification in temperate lake food webs. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 661-670.	4.3	13
131	Spatial and temporal patterns in trace element deposition to lakes in the Athabasca oil sands region (Alberta, Canada). <i>Environmental Research Letters</i> , 2017, 12, 124001.	5.2	52
132	Brief communication: Organochlorine pesticides in an archived firn core from Law Dome, East Antarctica. <i>Cryosphere</i> , 2016, 10, 2533-2539.	3.9	11
133	Recent Warming, Rather than Industrial Emissions of Bioavailable Nutrients, Is the Dominant Driver of Lake Primary Production Shifts across the Athabasca Oil Sands Region. <i>PLoS ONE</i> , 2016, 11, e0153987.	2.5	38
134	A Circumarctic Review of Contaminants in Ringed Seals. <i>From Pole To Pole</i> , 2016, , 229-251.	0.1	1
135	Current use pesticides in seawater and their bioaccumulation in polar bear ringed seal food chains of the Canadian Arctic. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 1695-1707.	4.3	48
136	Trophic Magnification of Organic Chemicals: A Global Synthesis. <i>Environmental Science &amp; Technology</i> , 2016, 50, 4650-4658.	10.0	132
137	PAH distributions in sediments in the oil sands monitoring area and western Lake Athabasca: Concentration, composition and diagnostic ratios. <i>Environmental Pollution</i> , 2016, 213, 671-687.	7.5	52
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272	Temporal trends of contaminants in Arctic char ( <i>Salvelinus alpinus</i> ) from a small lake, southwest Greenland during a warming climate. <i>Journal of Environmental Monitoring</i> , 2010, 12, 2252.	2.1	30
273	Organic nutrients and contaminants in subsistence species of Alaska: Concentrations and relationship to food preparation method. <i>International Journal of Circumpolar Health</i> , 2009, 68, 354-371.	1.2	11
274	Perfluorinated Alkyl Acid Concentrations in Canadian Rivers and Creeks. <i>Water Quality Research Journal of Canada</i> , 2009, 44, 263-277.	2.7	26
275	Hexachlorocyclohexanes (HCH) in ringed seal ( <i>Phoca hispida</i> ) from Ulukhaktok (Holman), NT: Trends from 1978 to 2006. <i>Science of the Total Environment</i> , 2009, 407, 5139-5146.	8.0	14
276	Mineral density and biomechanical properties of bone tissue from male Arctic foxes ( <i>Vulpes lagopus</i> ) exposed to organochlorine contaminants and emaciation. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009, 149, 97-103.	2.6	10
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285	Chronic dietary exposure to environmental organochlorine contaminants induces thyroid gland lesions in Arctic foxes ( <i>Vulpes lagopus</i> ). <i>Environmental Research</i> , 2009, 109, 702-711.	7.5	26
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310	Chiral Current-Use Herbicides in Ontario Streams. <i>Environmental Science &amp; Technology</i> , 2008, 42, 8452-8458.	10.0	19
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320	Spatial Distribution of Perfluoroalkyl Contaminants in Lake Trout from the Great Lakes. <i>Environmental Science &amp; Technology</i> , 2007, 41, 1554-1559.	10.0	143
321	Pesticides in Western Canadian Mountain Air and Soil. <i>Environmental Science &amp; Technology</i> , 2007, 41, 6020-6025.	10.0	130
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410	RESPONSE OF THE ZOOPLANKTON COMMUNITY AND ENVIRONMENTAL FATE OF PERFLUOROOCTANE SULFONIC ACID IN AQUATIC MICROCOSMS. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 2739.	4.3	46
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412	ENANTIOMER-SPECIFIC BIOMAGNIFICATION OF Î±-HEXACHLOROCYCLOHEXANE AND SELECTED CHIRAL CHLORDANE-RELATED COMPOUNDS WITHIN AN ARCTIC MARINE FOOD WEB. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 2482.	4.3	58
413	HYDROXYLATED AND METHYLSULFONE-CONTAINING METABOLITES OF POLYCHLORINATED BIPHENYLS IN THE PLASMA AND BLUBBER OF BOWHEAD WHALES ( <i>BALAENA MYSTICETUS</i> ). <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 2650.	4.3	48
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#	ARTICLE	IF	CITATIONS
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416	Concentrations of selected essential and non-essential elements in arctic fox ( <i>Alopex lagopus</i> ) and wolverines ( <i>Gulo gulo</i> ) from the Canadian Arctic. <i>Science of the Total Environment</i> , 2003, 309, 81-92.	8.0	53
417	Biomagnification. <i>Marine Pollution Bulletin</i> , 2003, 46, 522-524.	5.0	8
418	Assessment and characterization of polychlorinated biphenyls near a hazardous waste incinerator: Analysis of vegetation, snow, and sediments. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 126-133.	4.3	30
419	Dietary accumulation of perfluorinated acids in juvenile rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 196-204.	4.3	373
420	Bioconcentration and tissue distribution of perfluorinated acids in rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 196-204.	4.3	782
421	Spatial and Temporal Trends in Short-Chain Chlorinated Paraffins in Lake Ontario Sediments. <i>Environmental Science &amp; Technology</i> , 2003, 37, 4561-4568.	10.0	82
422	Hydroxylated PCBs and Other Chlorinated Phenolic Compounds in Lake Trout ( <i>Salvelinus namaycush</i> ) Blood Plasma from the Great Lakes Region. <i>Environmental Science &amp; Technology</i> , 2003, 37, 1720-1725.	10.0	59
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424	Airborne Haloacetic Acids. <i>Environmental Science &amp; Technology</i> , 2003, 37, 2889-2897.	10.0	36
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426	Ice cores from Svalbard – useful archives of past climate and pollution history. <i>Physics and Chemistry of the Earth</i> , 2003, 28, 1217-1228.	2.9	98
427	Measurement of <sup>13</sup> C/ <sup>12</sup> C of chloroacetic acids by gas chromatography/combustion/isotope ratio mass spectrometry. <i>Chemosphere</i> , 2003, 50, 903-909.	8.2	8
428	Profile of persistent chlorinated contaminants, including selected chiral compounds, in wolverine ( <i>Gulo gulo</i> ) livers from the Canadian Arctic. <i>Chemosphere</i> , 2003, 53, 551-560.	8.2	30
429	Levels and patterns of persistent organochlorines in minke whale ( <i>Balaenoptera acutorostrata</i> ) stocks from the North Atlantic and European Arctic. <i>Environmental Pollution</i> , 2003, 121, 239-252.	7.5	36
430	PCBs and organochlorine pesticides in blubber biopsies from free-ranging St. Lawrence River Estuary beluga whales ( <i>Delphinapterus leucas</i> ), 1994–1998. <i>Environmental Pollution</i> , 2003, 122, 291-302.	7.5	55
431	Organochlorine contaminant and stable isotope profiles in Arctic fox ( <i>Alopex lagopus</i> ) from the Alaskan and Canadian Arctic. <i>Environmental Pollution</i> , 2003, 122, 423-433.	7.5	47
432	Trophic transfer of persistent organochlorine contaminants (OCs) within an Arctic marine food web from the southern Beaufort–Chukchi Seas. <i>Environmental Pollution</i> , 2003, 124, 509-522.	7.5	250

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434	Assessing Trends in Organochlorine Concentrations in Lake Winnipeg Fish Following the 1997 Red River Flood. <i>Journal of Great Lakes Research</i> , 2003, 29, 332-354.	1.9	22
435	The use of <sup>19</sup> F NMR and mass spectrometry for the elucidation of novel fluorinated acids and atmospheric fluoroacid precursors evolved in the thermolysis of fluoropolymers. <i>Analyst</i> , The, 2003, 128, 756.	3.5	44
436	Limnological characteristics of 56 lakes in the Central Canadian Arctic Treeline Region. <i>Journal of Limnology</i> , 2003, 62, 9.	1.1	37
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438	Assessment and characterization of polychlorinated biphenyls near a hazardous waste incinerator: analysis of vegetation, snow, and sediments. <i>Environmental Toxicology and Chemistry</i> , 2003, 22, 126-33.	4.3	3
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444	Monitoring Perfluorinated Surfactants in Biota and Surface Water Samples Following an Accidental Release of Fire-Fighting Foam into Etobicoke Creek. <i>Environmental Science &amp; Technology</i> , 2002, 36, 545-551.	10.0	486
445	Collection of Airborne Fluorinated Organics and Analysis by Gas Chromatography/Chemical Ionization Mass Spectrometry. <i>Analytical Chemistry</i> , 2002, 74, 584-590.	6.5	294
446	Trophic ecology of bowhead whales ( <i>Balaena mysticetus</i> ) compared with that of other arctic marine biota as interpreted from carbon-, nitrogen-, and sulfur-isotope signatures. <i>Canadian Journal of Zoology</i> , 2002, 80, 223-231.	1.0	79
447	Spatial distribution of polybrominated diphenyl ethers and polybrominated biphenyls in lake trout from the Laurentian Great Lakes. <i>Chemosphere</i> , 2002, 46, 665-672.	8.2	183
448	Enantiomer fractions of chiral organochlorine pesticides and polychlorinated biphenyls in standard and certified reference materials. <i>Chemosphere</i> , 2002, 49, 1339-1347.	8.2	58
449	Trichloroacetic acid fate and toxicity to the macrophytes <i>Myriophyllum spicatum</i> and <i>Myriophyllum sibiricum</i> under field conditions. <i>Aquatic Toxicology</i> , 2002, 56, 241-255.	4.0	14
450	Dietary accumulation and biochemical responses of juvenile rainbow trout ( <i>Oncorhynchus mykiss</i> ) to 3,3,4,4,5-pentachlorobiphenyl (PCB 126). <i>Aquatic Toxicology</i> , 2002, 59, 139-152.	4.0	58

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452	Trichloroacetic acid (TCA) and trifluoroacetic acid (TFA) mixture toxicity to the macrophytes <i>Myriophyllum spicatum</i> and <i>Myriophyllum sibiricum</i> in aquatic microcosms. <i>Science of the Total Environment</i> , 2002, 285, 247-259.	8.0	26
453	Limnological Characteristics of 38 Lakes and Pondson Axel Heiberg Island, High Arctic Canada. <i>International Review of Hydrobiology</i> , 2002, 87, 385.	0.9	41
454	Toxaphene and other persistent organochlorine pesticides in three species of albatrosses from the north and south Pacific Ocean. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 413-423.	4.3	28
455	Spatial trends and bioaccumulation of organochlorine pollutants in marine zooplankton from the Alaskan and Canadian Arctic. <i>Environmental Toxicology and Chemistry</i> , 2002, 21, 575-583.	4.3	66
456	Bioaccumulation of Organochlorine Contaminants in Bowhead Whales ( <i>Balaena mysticetus</i> ) from Barrow, Alaska. <i>Archives of Environmental Contamination and Toxicology</i> , 2002, 42, 497-507.	4.1	61
457	Global Distribution of Halogenated Dimethyl Bipyrroles in Marine Mammal Blubber. <i>Archives of Environmental Contamination and Toxicology</i> , 2002, 43, 244-255.	4.1	50
458	Geochemistry of ice-covered, meromictic Lake A in the Canadian High Arctic. <i>Aquatic Geochemistry</i> , 2002, 8, 97-119.	1.3	34
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463	Examination of the behavior and liver and thyroid histology of juvenile rainbow trout ( <i>Oncorhynchus mykiss</i> ) exposed to high dietary concentrations of C10-, C11-, C12- and C14-polychlorinated n-alkanes. <i>Aquatic Toxicology</i> , 2001, 54, 81-99.	4.0	84
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471	Methylsulfone polycglorinated biphenyl and 2,2-bis(chlorophenyl)-1,1-dichloroethylene metabolites in beluga whale ( <i>Delphinapterus leucas</i> ) from the St. Lawrence river estuary and western Hudson bay, Canada. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 1378-1388.	4.3	12
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473	Dietary accumulation and quantitative structure-activity relationships for depuration and biotransformation of short ( $C_{10}$ ), medium ( $C_{14}$ ), and long ( $C_{18}$ ) carbon-chain polychlorinated alkanes by juvenile rainbow trout ( <i>Oncorhynchus mykiss</i> ). <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 1508-1516.	4.3	78
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477	Contaminants in the Canadian Arctic: 5 years of progress in understanding sources, occurrence and pathways. <i>Science of the Total Environment</i> , 2000, 254, 93-234.	8.0	600
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481	Organochlorine transfer in the food web of subalpine Bow Lake, Banff National Park. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2000, 57, 1258-1269.	1.4	64
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488	Atmospheric organochlorine pesticides in the western Canadian Arctic: Evidence of transpacific transport. <i>Journal of Geophysical Research</i> , 2000, 105, 11805-11811.	3.3	120
489	Geographical differences and time trends of persistent organic pollutants in the Arctic. <i>Toxicology Letters</i> , 2000, 112-113, 93-101.	0.8	54
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491	METHYLSULFONE POLYCHLORINATED BIPHENYL AND 2,2-BIS(CHLOROPHENYL)-1,1-DICHLOROETHYLENE METABOLITES IN BELUGA WHALE ( <i>DELPHINAPTERUS LEUCAS</i> ) FROM THE ST. LAWRENCE RIVER ESTUARY AND WESTERN HUDSON BAY, CANADA. <i>Environmental Toxicology and Chemistry</i> , 2000, 19, 1378.	4.3	25
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496	Accumulation and depuration of 2,3,7,8-tetrachlorodibenzofuran and octachlorodibenzo- <i>p</i> -dioxin by caddisfly larvae ( <i>Hydropsyche bidens</i> (ross)) in miniature laboratory streams. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 2352-2360.	4.3	3
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532	Geographical variation of persistent organochlorine concentrations in blubber of ringed seal (Phoca) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 1997, 96, 321-333.	7.5	38
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544	MIXED-FUNCTION OXIDASE ENZYME ACTIVITY AND OXIDATIVE STRESS IN LAKE TROUT (SALVELINUS) Tj ETQq0 0 0 rgBT /Overlock 10 T Chemistry, 1996, 15, 955.	4.3	45
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565	Arctic marine ecosystem contamination. <i>Science of the Total Environment</i> , 1992, 122, 75-134.	8.0	366
566	Inuit foods and diet: a preliminary assessment of benefits and risks. <i>Science of the Total Environment</i> , 1992, 122, 247-278.	8.0	156
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569	Isolation and identification of two major recalcitrant toxaphene congeners in aquatic biota. <i>Environmental Science &amp; Technology</i> , 1992, 26, 1838-1840.	10.0	131
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576	Geographic variation of chlorinated hydrocarbons in burbot ( <i>Lota lota</i> ) from remote Lakes and Rivers in Canada. <i>Archives of Environmental Contamination and Toxicology</i> , 1990, 19, 530-542.	4.1	115

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586	Dietary accumulation of four chlorinated dioxin congeners by rainbow trout and fathead minnows. Environmental Toxicology and Chemistry, 1988, 7, 227-236.	4.3	66
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