

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
g-index

617
all docs

617
docs citations

617
times ranked

19727
citing authors

#	ARTICLE	IF	CITATIONS
1	Biological Monitoring of Polyfluoroalkyl Substances: A Review. Environmental Science & Technology, 2006, 40, 3463-3473.	10.0	1,083
2	Bioconcentration and tissue distribution of perfluorinated acids in rainbow trout (<i>Oncorhynchus mykiss</i>). Environmental Toxicology and Chemistry, 2003, 22, 196-204.	4.3	782
3	Monitoring of Perfluorinated Compounds in Aquatic Biota: An Updated Review. Environmental Science & Technology, 2011, 45, 7962-7973.	10.0	663
4	Identification of Long-Chain Perfluorinated Acids in Biota from the Canadian Arctic. Environmental Science & Technology, 2004, 38, 373-380.	10.0	619
5	Contaminants in the Canadian Arctic: 5 years of progress in understanding sources, occurrence and pathways. Science of the Total Environment, 2000, 254, 93-234.	8.0	600
6	Organochlorine contaminants in arctic marine food chains: accumulation of specific polychlorinated biphenyls and chlordane-related compounds. Environmental Science & Technology, 1988, 22, 1071-1079.	10.0	543
7	Are There Other Persistent Organic Pollutants? A Challenge for Environmental Chemists. Environmental Science & Technology, 2006, 40, 7157-7166.	10.0	509
8	Monitoring Perfluorinated Surfactants in Biota and Surface Water Samples Following an Accidental Release of Fire-Fighting Foam into Etobicoke Creek. Environmental Science & Technology, 2002, 36, 545-551.	10.0	486
9	Global fate of POPs: Current and future research directions. Environmental Pollution, 2007, 150, 150-165.	7.5	480
10	Perfluoroalkyl Contaminants in a Food Web from Lake Ontario. Environmental Science & Technology, 2004, 38, 5379-5385.	10.0	460
11	Toward a Global Understanding of Chemical Pollution: A First Comprehensive Analysis of National and Regional Chemical Inventories. Environmental Science & Technology, 2020, 54, 2575-2584.	10.0	456
12	Mercury and other trace elements in a pelagic Arctic marine food web (Northwater Polynya, Baffin) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,62 Td (n	8.0	424
13	Levels and trends of brominated flame retardants in the Arctic. Chemosphere, 2006, 64, 209-233.	8.2	413
14	Endosulfan, a global pesticide: A review of its fate in the environment and occurrence in the Arctic. Science of the Total Environment, 2010, 408, 2966-2984.	8.0	409
15	Accumulation of persistent organochlorine compounds in mountains of western Canada. Nature, 1998, 395, 585-588.	27.8	401
16	Toward a Global Network for Persistent Organic Pollutants in Air: Results from the GAPS Study. Environmental Science & Technology, 2006, 40, 4867-4873.	10.0	386
17	BIOLOGICAL AND CHEMICAL FACTORS OF IMPORTANCE IN THE BIOACCUMULATION AND TROPHIC TRANSFER OF PERSISTENT ORGANOCHLORINE CONTAMINANTS IN ARCTIC MARINE FOOD WEBS. Environmental Toxicology and Chemistry, 2004, 23, 2367.	4.3	383
18	Dietary accumulation of perfluorinated acids in juvenile rainbow trout (<i>Oncorhynchus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,62 Td (n	4.3	373

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19	Organochlorine contaminants in arctic marine food chains: identification, geographical distribution and temporal trends in polar bears. <i>Environmental Science & Technology</i> , 1988, 22, 1063-1071.	10.0	370
20	Arctic marine ecosystem contamination. <i>Science of the Total Environment</i> , 1992, 122, 75-134.	8.0	366
21	Trophic magnification factors: Considerations of ecology, ecosystems, and study design. <i>Integrated Environmental Assessment and Management</i> , 2012, 8, 64-84.	2.9	365
22	Identifying New Persistent and Bioaccumulative Organics Among Chemicals in Commerce. <i>Environmental Science & Technology</i> , 2010, 44, 2277-2285.	10.0	356
23	Dietary accumulation and depuration of hydrophobic organochlorines: Bioaccumulation parameters and their relationship with the octanol/water partition coefficient. <i>Environmental Toxicology and Chemistry</i> , 1998, 17, 951-961.	4.3	350
24	Persistent organic pollutants and mercury in marine biota of the Canadian Arctic: An overview of spatial and temporal trends. <i>Science of the Total Environment</i> , 2005, 351-352, 4-56.	8.0	336
25	Perfluorinated Acids in Arctic Snow: A New Evidence for Atmospheric Formation. <i>Environmental Science & Technology</i> , 2007, 41, 3455-3461.	10.0	318
26	Spatial and temporal trends and effects of contaminants in the Canadian Arctic marine ecosystem: a review. <i>Science of the Total Environment</i> , 1999, 230, 83-144.	8.0	317
27	Atmospheric Distribution and Long-Range Transport Behavior of Organochlorine Pesticides in North America. <i>Environmental Science & Technology</i> , 2005, 39, 409-420.	10.0	309
28	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
29	Thermolysis of fluoropolymers as a potential source of halogenated organic acids in the environment. <i>Nature</i> , 2001, 412, 321-324.	27.8	283
30	Seasonally Resolved Concentrations of Persistent Organic Pollutants in the Global Atmosphere from the First Year of the GAPS Study. <i>Environmental Science & Technology</i> , 2009, 43, 796-803.	10.0	277
31	The Impact of Endocrine Disruption: A Consensus Statement on the State of the Science. <i>Environmental Health Perspectives</i> , 2013, 121, A104-6.	6.0	267
32	Flame Retardants and Methoxylated and Hydroxylated Polybrominated Diphenyl Ethers in Two Norwegian Arctic Top Predators: Glaucous Gulls and Polar Bears. <i>Environmental Science & Technology</i> , 2005, 39, 6021-6028.	10.0	263
33	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> , 2005, 342, 119-144.	8.0	259
34	Development and Calibration of a Resin-Based Passive Sampling System for Monitoring Persistent Organic Pollutants in the Atmosphere. <i>Environmental Science & Technology</i> , 2003, 37, 1352-1359.	10.0	253
35	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
36	Polyfluorinated Telomer Alcohols and Sulfonamides in the North American Troposphere. <i>Environmental Science & Technology</i> , 2004, 38, 991-996.	10.0	248

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37	Quantifying C10 ¹³ Polychloroalkanes in Environmental Samples by High-Resolution Gas Chromatography/Electron Capture Negative Ion High-Resolution Mass Spectrometry. <i>Analytical Chemistry</i> , 1997, 69, 2762-2771.	6.5	242
38	Legacy of a half century of Athabasca oil sands development recorded by lake ecosystems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 1761-1766.	7.1	240
39	Annual cycle of polychlorinated biphenyls and organohalogen pesticides in air in southern Ontario. 1. Air concentration data. <i>Environmental Science & Technology</i> , 1992, 26, 266-275.	10.0	239
40	Determination of Perfluorinated Surfactants in Surface Water Samples by Two Independent Analytical Techniques: A Liquid Chromatography/Tandem Mass Spectrometry and ¹⁹ F NMR. <i>Analytical Chemistry</i> , 2001, 73, 2200-2206.	6.5	233
41	Biomagnification of Perfluoroalkyl Compounds in the Bottlenose Dolphin (<i>Tursiops truncatus</i>) Food Web. <i>Environmental Science & Technology</i> , 2006, 40, 4138-4144.	10.0	231
42	Perfluoroalkyl Contaminants in the Canadian Arctic: Evidence of Atmospheric Transport and Local Contamination. <i>Environmental Science & Technology</i> , 2007, 41, 3529-3536.	10.0	229
43	Poly and Perfluorinated Carboxylates in North American Precipitation. <i>Environmental Science & Technology</i> , 2006, 40, 7167-7174.	10.0	227
44	Bioaccumulation and Trophic Magnification of Short- and Medium-Chain Chlorinated Paraffins in Food Webs from Lake Ontario and Lake Michigan. <i>Environmental Science & Technology</i> , 2008, 42, 3893-3899.	10.0	219
45	Biotransformation pathways of fluorotelomer-based polyfluoroalkyl substances: A review. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 243-267.	4.3	219
46	Fractionation and Bioaccumulation of Perfluorooctane Sulfonate (PFOS) Isomers in a Lake Ontario Food Web. <i>Environmental Science & Technology</i> , 2008, 42, 9397-9403.	10.0	213
47	Microplastic Impacts on Microalgae Growth: Effects of Size and Humic Acid. <i>Environmental Science & Technology</i> , 2020, 54, 1782-1789.	10.0	207
48	Peer Reviewed: Analytical Challenges Hamper Perfluoroalkyl Research. <i>Environmental Science & Technology</i> , 2004, 38, 248A-255A.	10.0	201
49	Dynamics of dietary bioaccumulation and faecal elimination of hydrophobic organic chemicals in fish. <i>Chemosphere</i> , 1988, 17, 943-962.	8.2	200
50	Trends of legacy and new persistent organic pollutants in the circumpolar arctic: Overview, conclusions, and recommendations. <i>Science of the Total Environment</i> , 2010, 408, 3044-3051.	8.0	188
51	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
52	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
53	Spatial Trends and Historical Deposition of Mercury in Eastern and Northern Canada Inferred from Lake Sediment Cores. <i>Environmental Science & Technology</i> , 2009, 43, 4802-4809.	10.0	182
54	Biomagnification of DDT through the Benthic and Pelagic Food Webs of Lake Malawi, East Africa: Importance of Trophic Level and Carbon Source. <i>Environmental Science & Technology</i> , 2001, 35, 14-20.	10.0	177

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55	Brominated Flame Retardants in Polar Bears (<i>Ursus maritimus</i>) from Alaska, the Canadian Arctic, East Greenland, and Svalbard. <i>Environmental Science & Technology</i> , 2006, 40, 449-455.	10.0	172
56	Analytical methods for PCBs and organochlorine pesticides in environmental monitoring and surveillance: a critical appraisal. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 769-789.	3.7	171
57	Chlorinated hydrocarbon contaminants in arctic marine mammals. <i>Science of the Total Environment</i> , 1994, 154, 107-128.	8.0	166
58	Hexachlorocyclohexanes in the North American Atmosphere. <i>Environmental Science & Technology</i> , 2004, 38, 965-975.	10.0	166
59	Spatial and Temporal Variation of Polycyclic Aromatic Hydrocarbons in the Arctic Atmosphere. <i>Environmental Science & Technology</i> , 1997, 31, 3593-3599.	10.0	165
60	Melting Glaciers: A Major Source of Persistent Organochlorines to Subalpine Bow Lake in Banff National Park, Canada. <i>Ambio</i> , 2001, 30, 410-415.	5.5	165
61	Perfluorinated Alkyl Substances in Plasma, Liver, Brain, and Eggs of Glaucous Gulls (<i>Larus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	10.0	164
62	Spatial and temporal trends of contaminants in Canadian Arctic freshwater and terrestrial ecosystems: a review. <i>Science of the Total Environment</i> , 1999, 230, 145-207.	8.0	160
63	An assessment of the toxicological significance of anthropogenic contaminants in Canadian arctic wildlife. <i>Science of the Total Environment</i> , 2005, 351-352, 57-93.	8.0	160
64	Circumpolar Study of Perfluoroalkyl Contaminants in Polar Bears (<i>Ursus maritimus</i>). <i>Environmental Science & Technology</i> , 2005, 39, 5517-5523.	10.0	159
65	High Concentrations of Toxaphene in Fishes from a Subarctic Lake. <i>Science</i> , 1995, 269, 240-242.	12.6	157
66	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
67	Spatial Trends and Historical Deposition of Polychlorinated Biphenyls in Canadian Midlatitude and Arctic Lake Sediments. <i>Environmental Science & Technology</i> , 1996, 30, 3609-3617.	10.0	156
68	Occurrence of triclosan in plasma of wild Atlantic bottlenose dolphins (<i>Tursiops truncatus</i>) and in their environment. <i>Environmental Pollution</i> , 2009, 157, 2248-2254.	7.5	154
69	Detection of a Cyclic Perfluorinated Acid, Perfluoroethylcyclohexane Sulfonate, in the Great Lakes of North America. <i>Environmental Science & Technology</i> , 2011, 45, 8060-8066.	10.0	154
70	Biomagnification of Perfluorinated Compounds in a Remote Terrestrial Food Chain: Lichenâ€“Caribouâ€“Wolf. <i>Environmental Science & Technology</i> , 2011, 45, 8665-8673.	10.0	154
71	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
72	Annual cycle of polychlorinated biphenyls and organohalogen pesticides in air in southern Ontario. 2. Atmospheric transport and sources. <i>Environmental Science & Technology</i> , 1992, 26, 276-283.	10.0	149

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73	Rapid Response of Arctic Ringed Seals to Changes in Perfluoroalkyl Production. <i>Environmental Science & Technology</i> , 2007, 41, 42-49.	10.0	149
74	Tissue-specific congener composition of organohalogen and metabolite contaminants in East Greenland polar bears (<i>Ursus maritimus</i>). <i>Environmental Pollution</i> , 2008, 152, 621-629.	7.5	149
75	Identifying New Persistent and Bioaccumulative Organics Among Chemicals in Commerce II: Pharmaceuticals. <i>Environmental Science & Technology</i> , 2011, 45, 6938-6946.	10.0	149
76	Toxic Compounds and Health and Reproductive Effects in St. Lawrence Beluga Whales. <i>Journal of Great Lakes Research</i> , 1993, 19, 766-775.	1.9	143
77	Spatial Distribution of Perfluoroalkyl Contaminants in Lake Trout from the Great Lakes. <i>Environmental Science & Technology</i> , 2007, 41, 1554-1559.	10.0	143
78	Polyfluoroalkyl Compounds in Free-Ranging Bottlenose Dolphins (<i>Tursiops truncatus</i>) from the Gulf of Mexico and the Atlantic Ocean. <i>Environmental Science & Technology</i> , 2005, 39, 6591-6598.	10.0	139
79	Occurrence of C10-C13 Polychlorinated n-Alkanes in Canadian Midlatitude and Arctic Lake Sediments. <i>Environmental Science & Technology</i> , 1999, 33, 2858-2863.	10.0	137
80	Perfluoroalkyl Acids in the Atlantic and Canadian Arctic Oceans. <i>Environmental Science & Technology</i> , 2012, 46, 5815-5823.	10.0	136
81	DIETARY ACCUMULATION OF PERFLUORINATED ACIDS IN JUVENILE RAINBOW TROUT (<i>ONCORHYNCHUS</i>) Tj ETQq1 1 0.784314 rgBT 4.3 136	10.0	136
82	Mercury Biomagnification through Food Webs Is Affected by Physical and Chemical Characteristics of Lakes. <i>Environmental Science & Technology</i> , 2013, 47, 12047-12053.	10.0	134
83	Perfluorinated and Polyfluorinated Compounds in Lake Food Webs from the Canadian High Arctic. <i>Environmental Science & Technology</i> , 2015, 49, 2694-2702.	10.0	134
84	Temporal Trends of Perfluoroalkyl Contaminants in Polar Bears (<i>Ursus maritimus</i>) from Two Locations in the North American Arctic, 1972-2002. <i>Environmental Science & Technology</i> , 2006, 40, 1139-1143.	10.0	132
85	Trophic Magnification of Organic Chemicals: A Global Synthesis. <i>Environmental Science & Technology</i> , 2016, 50, 4650-4658.	10.0	132
86	Isolation and identification of two major recalcitrant toxaphene congeners in aquatic biota. <i>Environmental Science & Technology</i> , 1992, 26, 1838-1840.	10.0	131
87	Polychlorinated biphenyls and polybrominated diphenyl ethers in the North American atmosphere. <i>Environmental Pollution</i> , 2006, 144, 434-444.	7.5	131
88	Contaminant blubber burdens in Atlantic bottlenose dolphins (<i>Tursiops truncatus</i>) from two southeastern US estuarine areas: Concentrations and patterns of PCBs, pesticides, PBDEs, PFCs, and PAHs. <i>Science of the Total Environment</i> , 2010, 408, 1577-1597.	8.0	131
89	Pesticides in Western Canadian Mountain Air and Soil. <i>Environmental Science & Technology</i> , 2007, 41, 6020-6025.	10.0	130
90	Brown snow: a long-range transport event in the Canadian Arctic. <i>Environmental Science & Technology</i> , 1991, 25, 280-286.	10.0	129

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91	EMPIRICAL AND MODELING EVIDENCE OF REGIONAL ATMOSPHERIC TRANSPORT OF CURRENT-USE PESTICIDES. Environmental Toxicology and Chemistry, 2004, 23, 2421.	4.3	128
92	Organochlorine chemical and heavy metal contaminants in white-beaked dolphins (Lagenorhynchus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 Archives of Environmental Contamination and Toxicology, 1988, 17, 613-629.	4.1	126
93	Hydroxylated Polybrominated Diphenyl Ethers (OH-PBDEs) in the Abiotic Environment: Surface Water and Precipitation from Ontario, Canada. Environmental Science & Technology, 2008, 42, 1657-1664.	10.0	126
94	Analysis for Perfluorocarboxylic Acids/Anions in Surface Waters and Precipitation Using GC-MS and Analysis of PFOA from Large-Volume Samples. Environmental Science & Technology, 2006, 40, 6405-6410.	10.0	125
95	Atmospheric organochlorine pesticides in the western Canadian Arctic: Evidence of transpacific transport. Journal of Geophysical Research, 2000, 105, 11805-11811.	3.3	120
96	Sources and environmental fate of pyrogenic polycyclic aromatic hydrocarbons (PAHs) in the Arctic. Emerging Contaminants, 2019, 5, 128-142.	4.9	119
97	Polychlorinated Biphenyls in Arctic Air. 1. Temporal and Spatial Trends: 1992-1994. Environmental Science & Technology, 1997, 31, 3619-3628.	10.0	118
98	Levels and trends of poly- and perfluoroalkyl substances in the Arctic environment - An update. Emerging Contaminants, 2019, 5, 240-271.	4.9	117
99	Atmospheric Deposition of Mercury and Methylmercury to Landscapes and Waterbodies of the Athabasca Oil Sands Region. Environmental Science & Technology, 2014, 48, 7374-7383.	10.0	116
100	Geographic variation of chlorinated hydrocarbons in burbot (Lota lota) from remote Lakes and Rivers in Canada. Archives of Environmental Contamination and Toxicology, 1990, 19, 530-542.	4.1	115
101	Chlorinated hydrocarbon contaminants and metabolites in polar bears (Ursus maritimus) from Alaska, Canada, East Greenland, and Svalbard: 1996-2002. Science of the Total Environment, 2005, 351-352, 369-390.	8.0	113
102	Perfluoroalkyl substances and extractable organic fluorine in surface sediments and cores from Lake Ontario. Environment International, 2013, 59, 389-397.	10.0	112
103	A critical review of synthetic chemicals in surface waters of the US, the EU and China. Environment International, 2019, 131, 104994.	10.0	112
104	Biotransformation versus Bioaccumulation: Sources of Methyl Sulfone PCB and 4,4'-DDE Metabolites in the Polar Bear Food Chain. Environmental Science & Technology, 1998, 32, 1656-1661.	10.0	111
105	Hydroxylated and methyl sulfone PCB metabolites in adipose and whole blood of polar bear (Ursus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 111	8.0	111
106	Spatial trends and historical profiles of organochlorine pesticides in Arctic lake sediments. Science of the Total Environment, 1995, 160-161, 447-457.	8.0	110
107	Perfluoroalkyl contaminants in liver tissue from East Greenland polar bears (Ursus maritimus). Environmental Toxicology and Chemistry, 2005, 24, 981-986.	4.3	109
108	Xenoendocrine Pollutants May Reduce Size of Sexual Organs in East Greenland Polar Bears (Ursus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 108	10.0	108

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109	Temporal trends of Hg in Arctic biota, an update. <i>Science of the Total Environment</i> , 2011, 409, 3520-3526.	8.0	108
110	Effects of trophic position and lipid on organochlorine concentrations in fishes from subarctic lakes in Yukon Territory. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 1998, 55, 869-881.	1.4	107
111	Levels and spatial and temporal trends of contaminants in Greenland biota: an updated review. <i>Science of the Total Environment</i> , 2004, 331, 29-52.	8.0	107
112	Seasonal and temporal trends in polychlorinated biphenyls and organochlorine pesticides in East Greenland polar bears (<i>Ursus maritimus</i>), 1990-2001. <i>Science of the Total Environment</i> , 2004, 331, 107-124.	8.0	107
113	Evidence for mass-independent and mass-dependent fractionation of the stable isotopes of mercury by natural processes in aquatic ecosystems. <i>Applied Geochemistry</i> , 2008, 23, 547-571.	3.0	106
114	Spatial and temporal pattern of pesticides in the global atmosphere. <i>Journal of Environmental Monitoring</i> , 2010, 12, 1650.	2.1	106
115	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.	8.0	106
116	Circumpolar Trends of PCBs and Organochlorine Pesticides in the Arctic Marine Environment Inferred from Levels in Ringed Seals. <i>Environmental Science & Technology</i> , 2000, 34, 2431-2438.	10.0	105
117	Bioaccumulation of PCBs and chlorinated pesticides in seals, fishes and invertebrates from the White Sea, Russia. <i>Science of the Total Environment</i> , 2003, 306, 111-131.	8.0	105
118	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
119	Organochlorine Pesticides in the Soils and Atmosphere of Costa Rica. <i>Environmental Science & Technology</i> , 2007, 41, 1124-1130.	10.0	104
120	Accumulation of Current-Use Pesticides in Neotropical Montane Forests. <i>Environmental Science & Technology</i> , 2007, 41, 1118-1123.	10.0	104
121	Is Bone Mineral Composition Disrupted by Organochlorines in East Greenland Polar Bears (<i>Ursus</i>)? <i>Environmental Science & Technology</i> , 2014, 48, 1145-1163.	6.0	103
122	Chemical fingerprinting of naphthenic acids and oil sands process waters - A review of analytical methods for environmental samples. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013, 48, 1145-1163.	1.7	103
123	Human exposure to contaminants in the traditional Greenland diet. <i>Science of the Total Environment</i> , 2004, 331, 189-206.	8.0	102
124	Influence of global climate change on chemical fate and bioaccumulation: The role of multimedia models. <i>Environmental Toxicology and Chemistry</i> , 2013, 32, 20-31.	4.3	102
125	Levels of C10-C13 Polychloro-n-Alkanes in Marine Mammals from the Arctic and the St. Lawrence River Estuary. <i>Environmental Science & Technology</i> , 2000, 34, 1615-1619.	10.0	100
126	Global Aquatic Passive Sampling (AQUA-GAPS): Using Passive Samplers to Monitor POPs in the Waters of the World. <i>Environmental Science & Technology</i> , 2010, 44, 860-864.	10.0	100

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127	Ice cores from Svalbardâ€‘â€‘useful archives of past climate and pollution history. <i>Physics and Chemistry of the Earth</i> , 2003, 28, 1217-1228.	2.9	98
128	Toward sustainable environmental quality: Priority research questions for Europe. <i>Environmental Toxicology and Chemistry</i> , 2018, 37, 2281-2295.	4.3	98
129	Polychlorinated Naphthalenes in the Global Atmospheric Passive Sampling (GAPS) Study. <i>Environmental Science & Technology</i> , 2007, 41, 2680-2687.	10.0	97
130	Rainbow Trout (<i>Oncorhynchus mykiss</i>) Can Eliminate Chiral Organochlorine Compounds Enantioselectively. <i>Environmental Science & Technology</i> , 2002, 36, 1257-1262.	10.0	96
131	Current use pesticides in Arctic media; 2000â€‘2007. <i>Science of the Total Environment</i> , 2010, 408, 2985-2994.	8.0	96
132	Biomagnification of mercury through lake trout (<i>Salvelinus namaycush</i>) food webs of lakes with different physical, chemical and biological characteristics. <i>Science of the Total Environment</i> , 2012, 438, 135-143.	8.0	96
133	Target Tissue Selectivity and Burdens of Diverse Classes of Brominated and Chlorinated Contaminants in Polar Bears (<i>Ursus maritimus</i>) from East Greenland. <i>Environmental Science & Technology</i> , 2008, 42, 752-759.	10.0	95
134	Bioaccumulation of PCBs in Arctic seabirds: influence of dietary exposure and congener biotransformation. <i>Environmental Pollution</i> , 2005, 134, 397-409.	7.5	94
135	Identifying New Persistent and Bioaccumulative Organics Among Chemicals in Commerce. III: Byproducts, Impurities, and Transformation Products. <i>Environmental Science & Technology</i> , 2013, 47, 5259-5266.	10.0	94
136	The fate and persistence of trifluoroacetic and chloroacetic acids in pond waters. <i>Chemosphere</i> , 2001, 42, 309-318.	8.2	92
137	Prevalence of Long-Chain Perfluorinated Carboxylates in Seabirds from the Canadian Arctic between 1975 and 2004. <i>Environmental Science & Technology</i> , 2007, 41, 3521-3528.	10.0	92
138	Organochlorine Compounds in Lake Superior:Â Chiral Polychlorinated Biphenyls and Biotransformation in the Aquatic Food Web. <i>Environmental Science & Technology</i> , 2004, 38, 84-92.	10.0	90
139	Distribution, Partitioning and Bioaccumulation of Substituted Diphenylamine Antioxidants and Benzotriazole UV Stabilizers in an Urban Creek in Canada. <i>Environmental Science & Technology</i> , 2016, 50, 9089-9097.	10.0	90
140	The worldâ€™s largest High Arctic lake responds rapidly to climate warming. <i>Nature Communications</i> , 2018, 9, 1290.	12.8	90
141	Air monitoring in the arctic: Results for selected persistent organic pollutants for 1992. <i>Environmental Toxicology and Chemistry</i> , 1996, 15, 253-261.	4.3	89
142	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
143	A history of total mercury in edible muscle of fish from lakes in northern Canada. <i>Science of the Total Environment</i> , 2005, 351-352, 427-463.	8.0	87
144	Variations in Stable Isotope Fractionation of Hg in Food Webs of Arctic Lakes. <i>Environmental Science & Technology</i> , 2009, 43, 9148-9154.	10.0	87

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145	Determination of perfluorinated alkyl acid concentrations in human serum and milk standard reference materials. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 439-451.	3.7	87
146	Use of trophic magnification factors and related measures to characterize bioaccumulation potential of chemicals. <i>Integrated Environmental Assessment and Management</i> , 2012, 8, 85-97.	2.9	87
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410	Effects of temperature and sample amount on the electron capture negative ion mass spectra of polychloro-n-alkanes. <i>Chemosphere</i> , 1998, 37, 1395-1410.	8.2	24
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