Robert J Letcher

List of Publications by Year in Descending Order

166 papers	9,063 citations	54 h-index	90 g-index
167 ext. papers	10,140 ext. citations	8.6 avg, IF	6.39 L-index

#	Paper	IF	Citations
166	Global distribution of ustiloxins in rice and their male-biased hepatotoxicity.. *Environmental Pollution*, **2022**, 301, 118992	9.3	1
165	Metabolic transformation of environmentally-relevant brominated flame retardants in Fauna: A review.. *Environment International*, **2022**, 161, 107097	12.9	0
164	A risk assessment review of mercury exposure in Arctic marine and terrestrial mammals.. *Science of the Total Environment*, **2022**, 829, 154445	10.2	3
163	Climate change and mercury in the Arctic: Biotic interactions.. *Science of the Total Environment*, **2022**, 155221	10.2	4
162	Occurrence and translocation of ustiloxins in rice false smut-occurred paddy fields, Hubei, China.. *Environmental Pollution*, **2022**, 119460	9.3	0
161	A Critical Review of Bioaccumulation and Biotransformation of Organic Chemicals in Birds. *Reviews of Environmental Contamination and Toxicology*, **2022**, 260,	3.5	1
160	Temporal change and the influence of climate and weather factors on mercury concentrations in Hudson Bay polar bears, caribou, and seabird eggs. *Environmental Research*, **2021**, 207, 112169	7.9	4
159	Individual Prey Specialization Drives PCBs in Icelandic Killer Whales. *Environmental Science & Technology*, **2021**, 55, 4923-4931	10.3	3
158	Emerging contaminants and biological effects in Arctic wildlife. *Trends in Ecology and Evolution*, **2021**, 36, 421-429	10.9	8
157	Tris(1,3-dichloro-2-propyl)phosphate Reduces Growth Hormone Expression via Binding to Growth Hormone Releasing Hormone Receptors and Inhibits the Growth of Crucian Carp. *Environmental Science & Technology*, **2021**, 55, 8108-8118	10.3	2
156	A comprehensive system for detection of behavioral change of D. magna exposed to various chemicals. *Journal of Hazardous Materials*, **2021**, 402, 123731	12.8	4
155	Organophosphate (OP) diesters and a review of sources, chemical properties, environmental occurrence, adverse effects, and future directions. *Environment International*, **2021**, 155, 106691	12.9	18
154	Perfluoroalkyl acids and sulfonamides and dietary, biological and ecological associations in peregrine falcons from the Laurentian Great Lakes Basin, Canada. *Environmental Research*, **2020**, 191, 110151	7.9	6
153	Functional Group-Dependent Screening of Organophosphate Esters (OPEs) and Discovery of an Abundant OPE Bis-(2-ethylhexyl)-phenyl Phosphate in Indoor Dust. *Environmental Science & Technology*, **2020**, 54, 4455-4464	10.3	35
152	Side-chain fluorinated polymer surfactants in biosolids from wastewater treatment plants. *Journal of Hazardous Materials*, **2020**, 388, 122044	12.8	18
151	Promotion effect of liver tumor progression in male kras transgenic zebrafish induced by tris (1, 3-dichloro-2-propyl) phosphate. *Ecotoxicology and Environmental Safety*, **2020**, 191, 110220	7	5
150	Distribution behaviour in body compartments and in ovo transfer of flame retardants in North American Great Lakes herring gulls. *Environmental Pollution*, **2020**, 262, 114306	9.3	6

149	Polar Bear (Ursus maritimus) **2020**, 196-212		
148	Assessment of the effects of early life exposure to triphenyl phosphate on fear, boldness, aggression, and activity in Japanese quail (Coturnix japonica) chicks. *Environmental Pollution*, **2020**, 258, 113695	9.3	4
147	Uptake, Deposition, and Metabolism of Triphenyl Phosphate in Embryonated Eggs and Chicks of Japanese Quail (Coturnix japonica). *Environmental Toxicology and Chemistry*, **2020**, 39, 565-573	3.8	2
146	Validated quantitative cannabis profiling for Canadian regulatory compliance - Cannabinoids, aflatoxins, and terpenes. *Analytica Chimica Acta*, **2019**, 1088, 79-88	6.6	18
145	Current state of knowledge on biological effects from contaminants on arctic wildlife and fish. *Science of the Total Environment*, **2019**, 696, 133792	10.2	103
144	A rapid method of preparing complex organohalogen extracts from avian eggs: Applications to in vitro toxicogenomics screening. *Environmental Toxicology and Chemistry*, **2019**, 38, 811-819	3.8	6
143	Bioaccumulation and biomagnification of perfluoroalkyl acids and precursors in East Greenland polar bears and their ringed seal prey. *Environmental Pollution*, **2019**, 252, 1335-1343	9.3	38
142	Hexachlorobutadiene (HCBD) contamination in the Arctic environment: A review. *Emerging Contaminants*, **2019**, 5, 116-122	5.8	9
141	Organophosphate esters (OPEs) in Chinese foodstuffs: Dietary intake estimation via a market basket method, and suspect screening using high-resolution mass spectrometry. *Environment International*, **2019**, 128, 343-352	12.9	50
140	A review of halogenated natural products in Arctic, Subarctic and Nordic ecosystems. *Emerging Contaminants*, **2019**, 5, 89-115	5.8	29
139	A review on organophosphate Ester (OPE) flame retardants and plasticizers in foodstuffs: Levels, distribution, human dietary exposure, and future directions. *Environment International*, **2019**, 127, 35-51	12.9	107
138	Tetrabromobisphenol-A-Bis(dibromopropyl ether) Flame Retardant in Eggs, Regurgitates, and Feces of Herring Gulls from Multiple North American Great Lakes Locations. *Environmental Science & Technology*, **2019**, 53, 9564-9571	10.3	8
137	In□vitro metabolic activation of triphenyl phosphate leading to the formation of glutathione conjugates by rat liver microsomes. *Chemosphere*, **2019**, 237, 124474	8.4	4
136	Distribution of flame retardants in smartphones and identification of current-use organic chemicals including three novel aryl organophosphate esters. *Science of the Total Environment*, **2019**, 693, 133654	10.2	20
135	A review of chlorinated paraffin contamination in Arctic ecosystems. *Emerging Contaminants*, **2019**, 5, 219-231	5.8	16
134	Current-use halogenated and organophosphorous flame retardants: A review of their presence in Arctic ecosystems. *Emerging Contaminants*, **2019**, 5, 179-200	5.8	23
133	Response to L. Witting: PCBs still a major risk for global killer whale populations. *Marine Mammal Science*, **2019**, 35, 1201-1206	1.9	4
132	Progression of liver tumor was promoted by tris(1,3-dichloro-2-propyl) phosphate through the induction of inflammatory responses in kras transgenic zebrafish. *Environmental Pollution*, **2019**, 255, 113315	9.3	9

131	State of knowledge on current exposure, fate and potential health effects of contaminants in polar bears from the circumpolar Arctic. *Science of the Total Environment*, **2019**, 664, 1063-1083	10.2	80
130	Persistent, bioaccumulative, and toxic properties of liquid crystal monomers and their detection in indoor residential dust. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**,	11.5	30
129	Organophosphate Ester, 2-Ethylhexyl Diphenyl Phosphate (EHDPP), Elicits Cytotoxic and Transcriptomic Effects in Chicken Embryonic Hepatocytes and Its Biotransformation Profile Compared to Humans. *Environmental Science & Technology*, **2019**, 53, 2151-2160	10.3	39
128	Structure-Dependent in Vitro Metabolism of Alkyl-Substituted Analogues of Triphenyl Phosphate in East Greenland Polar Bears and Ringed Seals. *Environmental Science and Technology Letters*, **2018** , 5, 214-219	11	14
127	Polychlorinated Diphenylsulfides Activate Aryl Hydrocarbon Receptor 2 in Zebrafish Embryos: Potential Mechanism of Developmental Toxicity. *Environmental Science & Technology*, **2018**, 52, 4402-4412	10.3	13
126	Persistent organic pollutants and penile bone mineral density in East Greenland and Canadian polar bears (Ursus maritimus) during 1996-2015. *Environment International*, **2018**, 114, 212-218	12.9	11
125	Covalent binding of the organophosphate insecticide profenofos to tyrosine on □and □tubulin proteins. *Chemosphere*, **2018**, 199, 154-159	8.4	8
124	Perfluoroalkyl Acids in European Starling Eggs Indicate Landfill and Urban Influences in Canadian Terrestrial Environments. *Environmental Science & Technology*, **2018**, 52, 5571-5580	10.3	13
123	Liquid Crystal Monomers (LCMs): A New Generation of Persistent Bioaccumulative and Toxic (PBT) Compounds?. *Environmental Science & Technology*, **2018**, 52, 5005-5006	10.3	22
122	A mixed-mode chromatographic separation method for the analysis of dialkyl phosphates. *Journal of Chromatography A*, **2018**, 1535, 63-71	4.5	8
121	Persistent organic pollutants, skull size and bone density of polar bears (Ursus maritimus) from East Greenland 1892-2015 and Svalbard 1964-2004. *Environmental Research*, **2018**, 162, 74-80	7.9	14
120	In Vitro and in Silico Competitive Binding of Brominated Polyphenyl Ether Contaminants with Human and Gull Thyroid Hormone Transport Proteins. *Environmental Science & Technology*, **2018**, 52, 1533-1541	10.3	10
119	Organophosphate triesters and selected metabolites enhance binding of thyroxine to human transthyretin in vitro. *Toxicology Letters*, **2018**, 285, 87-93	4.4	32
118	Organophosphate esters in East Greenland polar bears and ringed seals: Adipose tissue concentrations and in□vitro depletion and metabolite formation. *Chemosphere*, **2018**, 196, 240-250	8.4	30
117	Isomer-Specific Hexabromocyclododecane (HBCDD) Levels in Top Predator Fish from Across Canada and 36-Year Temporal Trends in Lake Ontario. *Environmental Science & Technology*, **2018**, 52, 6197-6207	10.3	10
116	Immunologic, reproductive, and carcinogenic risk assessment from POP exposure in East Greenland polar bears (Ursus maritimus) during 1983-2013. *Environment International*, **2018**, 118, 169-178	12.9	64
115	Photolysis of highly brominated flame retardants leads to time-dependent dioxin-responsive mRNA expression in chicken embryonic hepatocytes. *Chemosphere*, **2018**, 194, 352-359	8.4	12
114	Chemical and biological transfer: Which one is responsible for the maternal transfer toxicity of tris(1,3-dichloro-2-propyl) phosphate in zebrafish?. *Environmental Pollution*, **2018**, 243, 1376-1382	9.3	7

113	Predicting global killer whale population collapse from PCB pollution. *Science*, **2018**, 361, 1373-1376	33.3	150
112	Unexpected Observations: Exposure to Aromatase Inhibitor Prochloraz Did Not Alter the Vitellogenin Content of Zebrafish Ova but Did Inhibit the Growth of Larval Offspring. *Environmental Science and Technology Letters*, **2018**, 5, 629-634	11	3
111	Down-Regulation of hspb9 and hspb11 Contributes to Wavy Notochord in Zebrafish Embryos Following Exposure to Polychlorinated Diphenylsulfides. *Environmental Science & Technology*, **2018**, 52, 12829-12840	10.3	5
110	Unusually high Deca-BDE concentrations and new flame retardants in a Canadian Arctic top predator, the glaucous gull. *Science of the Total Environment*, **2018**, 639, 977-987	10.2	32
109	Exposure to tris(1,3-dichloro-2-propyl) phosphate for Two generations decreases fecundity of zebrafish at environmentally relevant concentrations. *Aquatic Toxicology*, **2018**, 200, 178-187	5.1	12
108	In ovo tris(2-butoxyethyl) phosphate concentrations significantly decrease in late incubation after a single exposure via injection, with no evidence of effects on hatching success or latent effects on growth or reproduction in zebra finches. *Environmental Toxicology and Chemistry*, **2017**, 36, 83-88	3.8	4
107	Contaminants of emerging concern in Caspian tern compared to herring gull eggs from Michigan colonies in the Great Lakes of North America. *Environmental Pollution*, **2017**, 222, 154-164	9.3	35
106	Time-dependent inhibitory effects of Tris(1, 3-dichloro-2-propyl) phosphate on growth and transcription of genes involved in the GH/IGF axis, but not the HPT axis, in female zebrafish. *Environmental Pollution*, **2017**, 229, 470-478	9.3	30
105	Exploring adduct formation between human serum albumin and eleven organophosphate ester flame retardants and plasticizers using MALDI-TOF/TOF and LC-Q/TOF. *Chemosphere*, **2017**, 180, 169-177	8.4	13
104	A rapid analytical method to quantify complex organohalogen contaminant mixtures in large samples of high lipid mammalian tissues. *Chemosphere*, **2017**, 176, 243-248	8.4	9
103	Effects of Polar Bear and Killer Whale Derived Contaminant Cocktails on Marine Mammal Immunity. *Environmental Science & Technology*, **2017**, 51, 11431-11439	10.3	39
102	Establishment of a three-step method to evaluate effects of chemicals on development of zebrafish embryo/larvae. *Chemosphere*, **2017**, 186, 209-217	8.4	2
101	Side-chain fluorinated polymer surfactants in aquatic sediment and biosolid-augmented agricultural soil from the Great Lakes basin of North America. *Science of the Total Environment*, **2017**, 607-608, 262-270	10.2	21
100	Volatile Methylsiloxanes and Organophosphate Esters in the Eggs of European Starlings (Sturnus vulgaris) and Congeneric Gull Species from Locations across Canada. *Environmental Science & Technology*, **2017**, 51, 9836-9845	10.3	24
99	Optimization of an assay methodology for competitive binding of thyroidogenic xenobiotics with thyroxine on human transthyretin and albumin. *MethodsX*, **2017**, 4, 404-412	1.9	2
98	Whole-Life-Stage Characterization in the Basic Biology of Daphnia magna and Effects of TDCIPP on Growth, Reproduction, Survival, and Transcription of Genes. *Environmental Science & Technology*, **2017**, 51, 13967-13975	10.3	31
97	Spatiotemporal patterns and relationships among the diet, biochemistry, and exposure to flame retardants in an apex avian predator, the peregrine falcon. *Environmental Research*, **2017**, 158, 43-53	7.9	30
96	Halogenated Flame Retardants in Predator and Prey Fish From the Laurentian Great Lakes: Age-Dependent Accumulation and Trophic Transfer. *Environmental Science & Technology*, **2017**, 51, 8432-8441	10.3	33

95	A Review of Organophosphate Esters in the Environment from Biological Effects to Distribution and Fate. *Bulletin of Environmental Contamination and Toxicology*, **2017**, 98, 2-7	2.7	119
94	Parental transfer of tris(1,3-dichloro-2-propyl) phosphate and transgenerational inhibition of growth of zebrafish exposed to environmentally relevant concentrations. *Environmental Pollution*, **2017**, 220, 196-203	9.3	54
93	Multigenerational effects of tris(1,3-dichloro-2-propyl) phosphate on the free-living ciliate protozoa Tetrahymena thermophila exposed to environmentally relevant concentrations and after subsequent recovery. *Environmental Pollution*, **2016**, 218, 50-58	9.3	18
92	Environmentally relevant organophosphate triesters in herring gulls: In vitro biotransformation and kinetics and diester metabolite formation using a hepatic microsomal assay. *Toxicology and Applied Pharmacology*, **2016**, 308, 59-65	4.6	66
91	A Reagent-Free Screening Assay for Evaluation of the Effects of Chemicals on the Proliferation and Morphology of HeLa-GFP Cells. *Environmental Science and Technology Letters*, **2016**, 3, 322-326	11	2
90	Retrospective analysis of organophosphate flame retardants in herring gull eggs and relation to the aquatic food web in the Laurentian Great Lakes of North America. *Environmental Research*, **2016**, 150, 255-263	7.9	69
89	Acute Exposure to Tris(1,3-dichloro-2-propyl) Phosphate (TDCIPP) Causes Hepatic Inflammation and Leads to Hepatotoxicity in Zebrafish. *Scientific Reports*, **2016**, 6, 19045	4.9	39
88	Organophosphate Flame Retardants and Plasticizers in Aqueous Solution: pH-Dependent Hydrolysis, Kinetics, and Pathways. *Environmental Science & Technology*, **2016**, 50, 8103-11	10.3	88
87	Spatio-temporal trends and monitoring design of perfluoroalkyl acids in the eggs of gull (Larid) species from across Canada and parts of the United States. *Science of the Total Environment*, **2016**, 565, 440-450	10.2	18
86	Sunlight Irradiation of Highly Brominated Polyphenyl Ethers Generates Polybenzofuran Products That Alter Dioxin-responsive mRNA Expression in Chicken Hepatocytes. *Environmental Science & Technology*, **2016**, 50, 2318-27	10.3	17
85	A New Fluorinated Surfactant Contaminant in Biota: Perfluorobutane Sulfonamide in Several Fish Species. *Environmental Science & Technology*, **2016**, 50, 669-75	10.3	58
84	Determination of glucuronide conjugates of hydroxyl triphenyl phosphate (OH-TPHP) metabolites in human urine and its use as a biomarker of TPHP exposure. *Chemosphere*, **2016**, 149, 314-9	8.4	32
83	Organophosphate pesticide method development and presence of chlorpyrifos in the feet of nearctic-neotropical migratory songbirds from Canada that over-winter in Central America agricultural areas. *Chemosphere*, **2016**, 144, 827-35	8.4	5
82	In Vitro Metabolism of Photolytic Breakdown Products of Tetradecabromo-1,4-diphenoxybenzene Flame Retardant in Herring Gull and Rat Liver Microsomal Assays. *Environmental Science & Technology*, **2016**, 50, 8335-43	10.3	7
81	Hexabromocyclododecane Flame Retardant Isomers in Sediments from Detroit River and Lake Erie of the Laurentian Great Lakes of North America. *Bulletin of Environmental Contamination and Toxicology*, **2015**, 95, 31-6	2.7	15
80	Uptake, distribution, depletion, and in ovo transfer of isomers of hexabromocyclododecane flame retardant in diet-exposed American kestrels (Falco sparverius). *Environmental Toxicology and Chemistry*, **2015**, 34, 1103-12	3.8	20
79	Methodology and determination of tetradecabromo-1, 4-diphenoxybenzene flame retardant and breakdown by-products in sediments from the Laurentian Great Lakes. *Chemosphere*, **2015**, 118, 342-49	8.4	9
78	Investigating endocrine and physiological parameters of captive American kestrels exposed by diet to selected organophosphate flame retardants. *Environmental Science & Technology*, **2015**, 49, 7448-55	10.3	51

77	Determination of organophosphate flame retardants and plasticizers in lipid-rich matrices using dispersive solid-phase extraction as a sample cleanup step and ultra-high performance liquid chromatography with atmospheric pressure chemical ionization mass spectrometry. *Analytica Chimica Acta*, **2015**, 885, 183-90	6.6	38
76	Physiologically-based pharmacokinetic modelling of immune, reproductive and carcinogenic effects from contaminant exposure in polar bears (Ursus maritimus) across the Arctic. *Environmental Research*, **2015**, 140, 45-55	7.9	65
75	Legacy and emerging organic pollutants in liver and plasma of long-finned pilot whales (Globicephala melas) from waters surrounding the Faroe Islands. *Science of the Total Environment*, **2015**, 520, 270-85	10.2	15
74	In VitroMetabolism of the Flame Retardant Triphenyl Phosphate in Chicken Embryonic Hepatocytes and the Importance of the Hydroxylation Pathway. *Environmental Science and Technology Letters*, **2015**, 2, 100-104	11	71
73	Environmentally Relevant Concentrations of the Flame Retardant Tris(1,3-dichloro-2-propyl) Phosphate Inhibit Growth of Female Zebrafish and Decrease Fecundity. *Environmental Science & Technology*, **2015**, 49, 14579-87	10.3	76
72	Spatial and temporal comparisons of legacy and emerging flame retardants in herring gull eggs from colonies spanning the Laurentian Great Lakes of Canada and United States. *Environmental Research*, **2015**, 142, 720-30	7.9	60
71	Effects of Tris(1,3-dichloro-2-propyl) Phosphate on Growth, Reproduction, and Gene Transcription of Daphnia magna at Environmentally Relevant Concentrations. *Environmental Science & Technology*, **2015**, 49, 12975-83	10.3	56
70	Biochemical and Transcriptomic Effects of Herring Gull Egg Extracts from Variably Contaminated Colonies of the Laurentian Great Lakes in Chicken Hepatocytes. *Environmental Science & Technology*, **2015**, 49, 10190-8	10.3	17
69	Thyroid hormones and deiodinase activity in plasma and tissues in relation to high levels of organohalogen contaminants in East Greenland polar bears (Ursus maritimus). *Environmental Research*, **2015**, 136, 413-23	7.9	35
68	Trends of polybrominated diphenyl ethers and hexabromocyclododecane in eggs of Canadian Arctic seabirds reflect changing use patterns. *Environmental Research*, **2015**, 142, 651-61	7.9	32
67	A review of ecological impacts of global climate change on persistent organic pollutant and mercury pathways and exposures in arctic marine ecosystems. *Environmental Epigenetics*, **2015**, 61, 617-628	2.4	94
66	Determination of organophosphate diesters in urine samples by a high-sensitivity method based on ultra high pressure liquid chromatography-triple quadrupole-mass spectrometry. *Journal of Chromatography A*, **2015**, 1426, 154-60	4.5	35
65	Penile density and globally used chemicals in Canadian and Greenland polar bears. *Environmental Research*, **2015**, 137, 287-91	7.9	27
64	Comparative body compartment composition and in ovo transfer of organophosphate flame retardants in North American Great Lakes herring gulls. *Environmental Science & Technology*, **2014**, 48, 7942-50	10.3	139
63	Organophosphate flame retardants and organosiloxanes in predatory freshwater fish from locations across Canada. *Environmental Pollution*, **2014**, 193, 254-261	9.3	85
62	Tris(2-butoxyethyl)phosphate and triethyl phosphate alter embryonic development, hepatic mRNA expression, thyroid hormone levels, and circulating bile acid concentrations in chicken embryos. *Toxicology and Applied Pharmacology*, **2014**, 279, 303-310	4.6	38
61	In vitro metabolic formation of perfluoroalkyl sulfonamides from copolymer surfactants of pre- and post-2002 scotchgard fabric protector products. *Environmental Science & Technology*, **2014**, 48, 6184-91	10.3	26
60	1,2-Dibromo-4-(1,2-dibromoethyl)-cyclohexane and tris(methylphenyl) phosphate cause significant effects on development, mRNA expression, and circulating bile acid concentrations in chicken embryos. *Toxicology and Applied Pharmacology*, **2014**, 277, 279-87	4.6	23

59	Comparative hepatic in vitro depletion and metabolite formation of major perfluorooctane sulfonate precursors in Arctic polar bear, beluga whale, and ringed seal. *Chemosphere*, **2014**, 112, 225-31	8.4	39
58	Rapid in vitro metabolism of the flame retardant triphenyl phosphate and effects on cytotoxicity and mRNA expression in chicken embryonic hepatocytes. *Environmental Science & Technology*, **2014**, 48, 13511-9	10.3	138
57	Liquid chromatography-electrospray-tandem mass spectrometry method for determination of organophosphate diesters in biotic samples including Great Lakes herring gull plasma. *Journal of Chromatography A*, **2014**, 1374, 85-92	4.5	39
56	Steroid hormones in blood plasma from Greenland sledge dogs (Canis familiaris) dietary exposed to organohalogen polluted minke whale (Balaenoptera acuterostrata) blubber. *Toxicological and Environmental Chemistry*, **2014**, 96, 273-286	1.4	19
55	Photolytic degradation products of two highly brominated flame retardants cause cytotoxicity and mRNA expression alterations in chicken embryonic hepatocytes. *Environmental Science & Technology*, **2014**, 48, 12039-46	10.3	34
54	Perfluoroalkyl acids in the Canadian environment: multi-media assessment of current status and trends. *Environment International*, **2013**, 59, 183-200	12.9	54
53	Three decades (1983-2010) of contaminant trends in East Greenland polar bears (Ursus maritimus). Part 2: brominated flame retardants. *Environment International*, **2013**, 59, 494-500	12.9	52
52	Three decades (1983-2010) of contaminant trends in East Greenland polar bears (Ursus maritimus). Part 1: legacy organochlorine contaminants. *Environment International*, **2013**, 59, 485-93	12.9	66
51	In Ovo effects of two organophosphate flame retardants--TCPP and TDCPP--on pipping success, development, mRNA expression, and thyroid hormone levels in chicken embryos. *Toxicological Sciences*, **2013**, 134, 92-102	4.4	146
50	Global change effects on the long-term feeding ecology and contaminant exposures of East Greenland polar bears. *Global Change Biology*, **2013**, 19, 2360-72	11.4	120
49	Tetradecabromodiphenoxybenzene flame retardant undergoes photolytic debromination. *Environmental Science & Technology*, **2013**, 47, 1373-80	10.3	19
48	European starlings (Sturnus vulgaris) suggest that landfills are an important source of bioaccumulative flame retardants to Canadian terrestrial ecosystems. *Environmental Science & Technology*, **2013**, 47, 12238-47	10.3	49
47	Flame retardants in eggs of four gull species (Laridae) from breeding sites spanning Atlantic to Pacific Canada. *Environmental Pollution*, **2012**, 168, 1-9	9.3	86
46	Reply to Comment on Novel Methoxylated Polybrominated Diphenoxybenzene Congeners and Possible Sources in Herring Gull Eggs from the Laurentian Great Lakes of North America *Environmental Science & Technology*, **2012**, 46, 3589-3590	10.3	3
45	Flame retardants in eggs of American kestrels and European starlings from southern Lake Ontario region (North America). *Journal of Environmental Monitoring*, **2012**, 14, 2870-6		22
44	Novel flame retardants in urban-feeding ring-billed gulls from the St. Lawrence River, Canada. *Environmental Science & Technology*, **2012**, 46, 9735-44	10.3	85
43	Newly discovered methoxylated polybrominated diphenoxybenzenes have been contaminants in the Great Lakes herring gull eggs for thirty years. *Environmental Science & Technology*, **2012**, 46, 9456-63	10.3	14
42	Determination of non-halogenated, chlorinated and brominated organophosphate flame retardants in herring gull eggs based on liquid chromatography-tandem quadrupole mass spectrometry. *Journal of Chromatography A*, **2012**, 1220, 169-74	4.5	133

41	Monitoring of perfluorinated compounds in aquatic biota: an updated review. *Environmental Science & Technology*, **2011**, 45, 7962-73	10.3	553
40	Flame retardants and legacy contaminants in polar bears from Alaska, Canada, East Greenland and Svalbard, 2005-2008. *Environment International*, **2011**, 37, 365-74	12.9	96
39	Perfluoroalkyl carboxylates and sulfonates and precursors in relation to dietary source tracers in the eggs of four species of gulls (Larids) from breeding sites spanning Atlantic to Pacific Canada. *Environment International*, **2011**, 37, 1175-82	12.9	52
38	Contemporary 14C radiocarbon levels of oxygenated polybrominated diphenyl ethers (O-PBDEs) isolated in sponge-cyanobacteria associations. *Marine Pollution Bulletin*, **2011**, 62, 631-6	6.7	22
37	Dicationic ion-pairing of phosphoric acid diesters post-liquid chromatography and subsequent determination by electrospray positive ionization-tandem mass spectrometry. *Journal of Chromatography A*, **2011**, 1218, 8083-8	4.5	39
36	Comparative hepatic microsomal biotransformation of selected PBDEs, including decabromodiphenyl ether, and decabromodiphenyl ethane flame retardants in Arctic marine-feeding mammals. *Environmental Toxicology and Chemistry*, **2011**, 30, 1506-14	3.8	41
35	Twenty years of temporal change in perfluoroalkyl sulfonate and carboxylate contaminants in herring gull eggs from the Laurentian Great Lakes. *Journal of Environmental Monitoring*, **2011**, 13, 3365-72		46
34	Novel methoxylated polybrominated diphenoxybenzene congeners and possible sources in herring gull eggs from the Laurentian Great Lakes of North America. *Environmental Science & Technology*, **2011**, 45, 9523-30	10.3	38
33	Pipping success, isomer-specific accumulation, and hepatic mRNA expression in chicken embryos exposed to HBCD. *Toxicological Sciences*, **2010**, 115, 492-500	4.4	35
32	Recombinant albumin and transthyretin transport proteins from two gull species and human: chlorinated and brominated contaminant binding and thyroid hormones. *Environmental Science & Technology*, **2010**, 44, 497-504	10.3	79
31	Historical contaminants, flame retardants, and halogenated phenolic compounds in peregrine Falcon (Falco peregrinus) nestlings in the Canadian Great Lakes Basin. *Environmental Science & Technology*, **2010**, 44, 3520-6	10.3	59
30	High-sensitivity method for determination of tetrabromobisphenol-S and tetrabromobisphenol-A derivative flame retardants in great lakes herring gull eggs by liquid chromatography-atmospheric pressure photoionization-tandem mass spectrometry. *Environmental Science & Technology*, **2010**, 44, 8615-21	10.3	67
29	Exposure and effects assessment of persistent organohalogen contaminants in arctic wildlife and fish. *Science of the Total Environment*, **2010**, 408, 2995-3043	10.2	586
28	Metabolism of polybrominated diphenyl ethers (PBDEs) by human hepatocytes in vitro. *Environmental Health Perspectives*, **2009**, 117, 197-202	8.4	195
27	Recombinant transthyretin purification and competitive binding with organohalogen compounds in two gull species (Larus argentatus and Larus hyperboreus). *Toxicological Sciences*, **2009**, 107, 440-50	4.4	90
26	Biochemical tracers reveal intra-specific differences in the food webs utilized by individual seabirds. *Oecologia*, **2009**, 160, 15-23	2.9	36
25	Polybrominated diphenyl ethers and their hydroxylated analogues in ringed seals (Phoca hispida) from Svalbard and the Baltic Sea. *Environmental Science & Technology*, **2009**, 43, 3494-9	10.3	68
24	Sea ice-associated diet change increases the levels of chlorinated and brominated contaminants in polar bears. *Environmental Science & Technology*, **2009**, 43, 4334-9	10.3	113

23	Bioaccumulation and biotransformation of brominated and chlorinated contaminants and their metabolites in ringed seals (Pusa hispida) and polar bears (Ursus maritimus) from East Greenland. *Environment International*, **2009**, 35, 1118-24	12.9	91
22	Isomers of Dechlorane Plus flame retardant in the eggs of herring gulls (Larus argentatus) from the Laurentian Great Lakes of North America: temporal changes and spatial distribution. *Chemosphere*, **2009**, 75, 115-20	8.4	91
21	Reproductive performance in East Greenland polar bears (Ursus maritimus) may be affected by organohalogen contaminants as shown by physiologically-based pharmacokinetic (PBPK) modelling. *Chemosphere*, **2009**, 77, 1558-68	8.4	51
20	Pipping success and liver mRNA expression in chicken embryos exposed in ovo to C8 and C11 perfluorinated carboxylic acids and C10 perfluorinated sulfonate. *Toxicology Letters*, **2009**, 190, 134-9	4.4	28
19	Temporal trends and spatial distribution of non-polybrominated diphenyl ether flame retardants in the eggs of colonial populations of Great Lakes herring gulls. *Environmental Science & Technology*, **2009**, 43, 312-7	10.3	156
18	Tissue-specific congener composition of organohalogen and metabolite contaminants in East Greenland polar bears (Ursus maritimus). *Environmental Pollution*, **2008**, 152, 621-9	9.3	139
17	Dramatic changes in the temporal trends of polybrominated diphenyl ethers (PBDEs) in herring gull eggs from the Laurentian Great Lakes: 1982-2006. *Environmental Science & Technology*, **2008**, 42, 1524-30	10.3	129
16	Target tissue selectivity and burdens of diverse classes of brominated and chlorinated contaminants in polar bears (Ursus maritimus) from East Greenland. *Environmental Science & Technology*, **2008**, 42, 752-9	10.3	91
15	Analysis of fluorotelomer alcohols and perfluorinated sulfonamides in biotic samples by liquid chromatography-atmospheric pressure photoionization mass spectrometry. *Journal of Chromatography A*, **2008**, 1215, 92-9	4.5	50
14	Current-use flame retardants in the eggs of herring gulls (Larus argentatus) from the Laurentian Great Lakes. *Environmental Science & Technology*, **2007**, 41, 4561-7	10.3	204
13	Brominated flame retardants in glaucous gulls from the Norwegian Arctic: more than just an issue of polybrominated diphenyl ethers. *Environmental Science & Technology*, **2007**, 41, 4925-31	10.3	132
12	Organohalogen contamination in breeding glaucous gulls from the Norwegian Arctic: associations with basal metabolism and circulating thyroid hormones. *Environmental Pollution*, **2007**, 145, 138-45	9.3	64
11	Xenoendocrine pollutants may reduce size of sexual organs in East Greenland polar bears (Ursus maritimus). *Environmental Science & Technology*, **2006**, 40, 5668-74	10.3	93
10	Organohalogen contaminants and metabolites in beluga whale (Delphinapterus leucas) liver from two Canadian populations. *Environmental Toxicology and Chemistry*, **2006**, 25, 1246-57	3.8	73
9	Flame retardants and methoxylated and hydroxylated polybrominated diphenyl ethers in two Norwegian Arctic top predators: glaucous gulls and polar bears. *Environmental Science & Technology*, **2005**, 39, 6021-8	10.3	251
8	Polybrominated diphenyl ethers and hydroxylated and methoxylated brominated and chlorinated analogues in the plasma of fish from the Detroit River. *Environmental Science & Technology*, **2005**, 39, 5612-9	10.3	177
7	New organochlorine contaminants and metabolites in plasma and eggs of glaucous gulls (Larus hyperboreus) from the Norwegian Arctic. *Environmental Toxicology and Chemistry*, **2005**, 24, 2486-99	3.8	72
6	An assessment of the toxicological significance of anthropogenic contaminants in Canadian arctic wildlife. *Science of the Total Environment*, **2005**, 351-352, 57-93	10.2	130

5	Dietary accumulation and metabolism of polybrominated diphenyl ethers by juvenile carp (Cyprinus carpio). *Environmental Toxicology and Chemistry*, **2004**, 23, 1939-46	3.8	136
4	Metabolism in the toxicokinetics and fate of brominated flame retardants--a review. *Environment International*, **2003**, 29, 801-28	12.9	345
3	Methylsulfone polycglorinated biphenyl and 2,2-bis(chlorophenyl)-1,1-dichloroethylene metabolites in beluga whale (Delphinapterus leucas) from the St. Lawrence river estuary and western Hudson bay, Canada. *Environmental Toxicology and Chemistry*, **2000**, 19, 1378-1388	3.8	5
2	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	10.3	92
1	Electron Capture/Negative Ionization Mass Spectrometric Characteristics of Bioaccumulating Methyl Sulfone-Substituted Polychlorinated Biphenyls. *Journal of Mass Spectrometry*, **1997**, 32, 232-240	2.2	9