

Robert J Letcher

List of Publications by Citations

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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	Exposure and effects assessment of persistent organohalogen contaminants in arctic wildlife and fish. <i>Science of the Total Environment</i> , 2010 , 408, 2995-3043	10.2	586
165	Monitoring of perfluorinated compounds in aquatic biota: an updated review. <i>Environmental Science & Technology</i> , 2011 , 45, 7962-73	10.3	553
164	Metabolism in the toxicokinetics and fate of brominated flame retardants--a review. <i>Environment International</i> , 2003 , 29, 801-28	12.9	345
163	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, 6021-8	10.3	251
162	Current-use flame retardants in the eggs of herring gulls (<i>Larus argentatus</i>) from the Laurentian Great Lakes. <i>Environmental Science & Technology</i> , 2007 , 41, 4561-7	10.3	204
161	Metabolism of polybrominated diphenyl ethers (PBDEs) by human hepatocytes in vitro. <i>Environmental Health Perspectives</i> , 2009 , 117, 197-202	8.4	195
160	Polybrominated diphenyl ethers and hydroxylated and methoxylated brominated and chlorinated analogues in the plasma of fish from the Detroit River. <i>Environmental Science & Technology</i> , 2005 , 39, 5612-9	10.3	177
159	Temporal trends and spatial distribution of non-polybrominated diphenyl ether flame retardants in the eggs of colonial populations of Great Lakes herring gulls. <i>Environmental Science & Technology</i> , 2009 , 43, 312-7	10.3	156
158	Predicting global killer whale population collapse from PCB pollution. <i>Science</i> , 2018 , 361, 1373-1376	33.3	150
157	In Ovo effects of two organophosphate flame retardants--TCPP and TDCPP--on pipping success, development, mRNA expression, and thyroid hormone levels in chicken embryos. <i>Toxicological Sciences</i> , 2013 , 134, 92-102	4.4	146
156	Comparative body compartment composition and in ovo transfer of organophosphate flame retardants in North American Great Lakes herring gulls. <i>Environmental Science & Technology</i> , 2014 , 48, 7942-50	10.3	139
155	Tissue-specific congener composition of organohalogen and metabolite contaminants in East Greenland polar bears (<i>Ursus maritimus</i>). <i>Environmental Pollution</i> , 2008 , 152, 621-9	9.3	139
154	Rapid in vitro metabolism of the flame retardant triphenyl phosphate and effects on cytotoxicity and mRNA expression in chicken embryonic hepatocytes. <i>Environmental Science & Technology</i> , 2014 , 48, 13511-9	10.3	138
153	Dietary accumulation and metabolism of polybrominated diphenyl ethers by juvenile carp (<i>Cyprinus carpio</i>). <i>Environmental Toxicology and Chemistry</i> , 2004 , 23, 1939-46	3.8	136
152	Determination of non-halogenated, chlorinated and brominated organophosphate flame retardants in herring gull eggs based on liquid chromatography-tandem quadrupole mass spectrometry. <i>Journal of Chromatography A</i> , 2012 , 1220, 169-74	4.5	133
151	Brominated flame retardants in glaucous gulls from the Norwegian Arctic: more than just an issue of polybrominated diphenyl ethers. <i>Environmental Science & Technology</i> , 2007 , 41, 4925-31	10.3	132
150	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	10.2	130

149	Dramatic changes in the temporal trends of polybrominated diphenyl ethers (PBDEs) in herring gull eggs from the Laurentian Great Lakes: 1982-2006. <i>Environmental Science & Technology</i> , 2008 , 42, 1524-30	10.3	129
148	Global change effects on the long-term feeding ecology and contaminant exposures of East Greenland polar bears. <i>Global Change Biology</i> , 2013 , 19, 2360-72	11.4	120
147	A Review of Organophosphate Esters in the Environment from Biological Effects to Distribution and Fate. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2017 , 98, 2-7	2.7	119
146	Sea ice-associated diet change increases the levels of chlorinated and brominated contaminants in polar bears. <i>Environmental Science & Technology</i> , 2009 , 43, 4334-9	10.3	113
145	A review on organophosphate Ester (OPE) flame retardants and plasticizers in foodstuffs: Levels, distribution, human dietary exposure, and future directions. <i>Environment International</i> , 2019 , 127, 35-51	12.9	107
144	Current state of knowledge on biological effects from contaminants on arctic wildlife and fish. <i>Science of the Total Environment</i> , 2019 , 696, 133792	10.2	103
143	Flame retardants and legacy contaminants in polar bears from Alaska, Canada, East Greenland and Svalbard, 2005-2008. <i>Environment International</i> , 2011 , 37, 365-74	12.9	96
142	A review of ecological impacts of global climate change on persistent organic pollutant and mercury pathways and exposures in arctic marine ecosystems. <i>Environmental Epigenetics</i> , 2015 , 61, 617-628	2.4	94
141	Xenoendocrine pollutants may reduce size of sexual organs in East Greenland polar bears (<i>Ursus maritimus</i>). <i>Environmental Science & Technology</i> , 2006 , 40, 5668-74	10.3	93
140	Biotransformation versus Bioaccumulation: Sources of Methyl Sulfone PCB and 4,4EDDE Metabolites in the Polar Bear Food Chain. <i>Environmental Science & Technology</i> , 1998 , 32, 1656-1661	10.3	92
139	Bioaccumulation and biotransformation of brominated and chlorinated contaminants and their metabolites in ringed seals (<i>Pusa hispida</i>) and polar bears (<i>Ursus maritimus</i>) from East Greenland. <i>Environment International</i> , 2009 , 35, 1118-24	12.9	91
138	Isomers of Dechlorane Plus flame retardant in the eggs of herring gulls (<i>Larus argentatus</i>) from the Laurentian Great Lakes of North America: temporal changes and spatial distribution. <i>Chemosphere</i> , 2009 , 75, 115-20	8.4	91
137	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, 752-9	10.3	91
136	Recombinant transthyretin purification and competitive binding with organohalogen compounds in two gull species (<i>Larus argentatus</i> and <i>Larus hyperboreus</i>). <i>Toxicological Sciences</i> , 2009 , 107, 440-50	4.4	90
135	Organophosphate Flame Retardants and Plasticizers in Aqueous Solution: pH-Dependent Hydrolysis, Kinetics, and Pathways. <i>Environmental Science & Technology</i> , 2016 , 50, 8103-11	10.3	88
134	Flame retardants in eggs of four gull species (<i>Laridae</i>) from breeding sites spanning Atlantic to Pacific Canada. <i>Environmental Pollution</i> , 2012 , 168, 1-9	9.3	86
133	Organophosphate flame retardants and organosiloxanes in predatory freshwater fish from locations across Canada. <i>Environmental Pollution</i> , 2014 , 193, 254-261	9.3	85
132	Novel flame retardants in urban-feeding ring-billed gulls from the St. Lawrence River, Canada. <i>Environmental Science & Technology</i> , 2012 , 46, 9735-44	10.3	85

131	State of knowledge on current exposure, fate and potential health effects of contaminants in polar bears from the circumpolar Arctic. <i>Science of the Total Environment</i> , 2019 , 664, 1063-1083	10.2	80
130	Recombinant albumin and transthyretin transport proteins from two gull species and human: chlorinated and brominated contaminant binding and thyroid hormones. <i>Environmental Science & Technology</i> , 2010 , 44, 497-504	10.3	79
129	Environmentally Relevant Concentrations of the Flame Retardant Tris(1,3-dichloro-2-propyl) Phosphate Inhibit Growth of Female Zebrafish and Decrease Fecundity. <i>Environmental Science & Technology</i> , 2015 , 49, 14579-87	10.3	76
128	Organohalogen contaminants and metabolites in beluga whale (<i>Delphinapterus leucas</i>) liver from two Canadian populations. <i>Environmental Toxicology and Chemistry</i> , 2006 , 25, 1246-57	3.8	73
127	New organochlorine contaminants and metabolites in plasma and eggs of glaucous gulls (<i>Larus hyperboreus</i>) from the Norwegian Arctic. <i>Environmental Toxicology and Chemistry</i> , 2005 , 24, 2486-99	3.8	72
126	In Vitro Metabolism of the Flame Retardant Triphenyl Phosphate in Chicken Embryonic Hepatocytes and the Importance of the Hydroxylation Pathway. <i>Environmental Science and Technology Letters</i> , 2015 , 2, 100-104	11	71
125	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. <i>Environmental Research</i> , 2016 , 150, 255-263	7.9	69
124	Polybrominated diphenyl ethers and their hydroxylated analogues in ringed seals (<i>Phoca hispida</i>) from Svalbard and the Baltic Sea. <i>Environmental Science & Technology</i> , 2009 , 43, 3494-9	10.3	68
123	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. <i>Environmental Science & Technology</i> , 2010 , 44, 8615-21	10.3	67
122	Environmentally relevant organophosphate triesters in herring gulls: In vitro biotransformation and kinetics and diester metabolite formation using a hepatic microsomal assay. <i>Toxicology and Applied Pharmacology</i> , 2016 , 308, 59-65	4.6	66
121	Three decades (1983-2010) of contaminant trends in East Greenland polar bears (<i>Ursus maritimus</i>). Part 1: legacy organochlorine contaminants. <i>Environment International</i> , 2013 , 59, 485-93	12.9	66
120	Physiologically-based pharmacokinetic modelling of immune, reproductive and carcinogenic effects from contaminant exposure in polar bears (<i>Ursus maritimus</i>) across the Arctic. <i>Environmental Research</i> , 2015 , 140, 45-55	7.9	65
119	Immunologic, reproductive, and carcinogenic risk assessment from POP exposure in East Greenland polar bears (<i>Ursus maritimus</i>) during 1983-2013. <i>Environment International</i> , 2018 , 118, 169-178	12.9	64
118	Organohalogen contamination in breeding glaucous gulls from the Norwegian Arctic: associations with basal metabolism and circulating thyroid hormones. <i>Environmental Pollution</i> , 2007 , 145, 138-45	9.3	64
117	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. <i>Environmental Research</i> , 2015 , 142, 720-30	7.9	60
116	Historical contaminants, flame retardants, and halogenated phenolic compounds in peregrine Falcon (<i>Falco peregrinus</i>) nestlings in the Canadian Great Lakes Basin. <i>Environmental Science & Technology</i> , 2010 , 44, 3520-6	10.3	59
115	A New Fluorinated Surfactant Contaminant in Biota: Perfluorobutane Sulfonamide in Several Fish Species. <i>Environmental Science & Technology</i> , 2016 , 50, 669-75	10.3	58
114	Effects of Tris(1,3-dichloro-2-propyl) Phosphate on Growth, Reproduction, and Gene Transcription of <i>Daphnia magna</i> at Environmentally Relevant Concentrations. <i>Environmental Science & Technology</i> , 2015 , 49, 12975-83	10.3	56

113	Perfluoroalkyl acids in the Canadian environment: multi-media assessment of current status and trends. <i>Environment International</i> , 2013 , 59, 183-200	12.9	54
112	Parental transfer of tris(1,3-dichloro-2-propyl) phosphate and transgenerational inhibition of growth of zebrafish exposed to environmentally relevant concentrations. <i>Environmental Pollution</i> , 2017 , 220, 196-203	9.3	54
111	Three decades (1983-2010) of contaminant trends in East Greenland polar bears (<i>Ursus maritimus</i>). Part 2: brominated flame retardants. <i>Environment International</i> , 2013 , 59, 494-500	12.9	52
110	Perfluoroalkyl carboxylates and sulfonates and precursors in relation to dietary source tracers in the eggs of four species of gulls (<i>Larids</i>) from breeding sites spanning Atlantic to Pacific Canada. <i>Environment International</i> , 2011 , 37, 1175-82	12.9	52
109	Investigating endocrine and physiological parameters of captive American kestrels exposed by diet to selected organophosphate flame retardants. <i>Environmental Science & Technology</i> , 2015 , 49, 7448-55	10.3	51
108	Reproductive performance in East Greenland polar bears (<i>Ursus maritimus</i>) may be affected by organohalogen contaminants as shown by physiologically-based pharmacokinetic (PBPK) modelling. <i>Chemosphere</i> , 2009 , 77, 1558-68	8.4	51
107	Organophosphate esters (OPEs) in Chinese foodstuffs: Dietary intake estimation via a market basket method, and suspect screening using high-resolution mass spectrometry. <i>Environment International</i> , 2019 , 128, 343-352	12.9	50
106	Analysis of fluorotelomer alcohols and perfluorinated sulfonamides in biotic samples by liquid chromatography-atmospheric pressure photoionization mass spectrometry. <i>Journal of Chromatography A</i> , 2008 , 1215, 92-9	4.5	50
105	European starlings (<i>Sturnus vulgaris</i>) suggest that landfills are an important source of bioaccumulative flame retardants to Canadian terrestrial ecosystems. <i>Environmental Science & Technology</i> , 2013 , 47, 12238-47	10.3	49
104	Twenty years of temporal change in perfluoroalkyl sulfonate and carboxylate contaminants in herring gull eggs from the Laurentian Great Lakes. <i>Journal of Environmental Monitoring</i> , 2011 , 13, 3365-72		46
103	Comparative hepatic microsomal biotransformation of selected PBDEs, including decabromodiphenyl ether, and decabromodiphenyl ethane flame retardants in Arctic marine-feeding mammals. <i>Environmental Toxicology and Chemistry</i> , 2011 , 30, 1506-14	3.8	41
102	Acute Exposure to Tris(1,3-dichloro-2-propyl) Phosphate (TDCIPP) Causes Hepatic Inflammation and Leads to Hepatotoxicity in Zebrafish. <i>Scientific Reports</i> , 2016 , 6, 19045	4.9	39
101	Comparative hepatic in vitro depletion and metabolite formation of major perfluorooctane sulfonate precursors in Arctic polar bear, beluga whale, and ringed seal. <i>Chemosphere</i> , 2014 , 112, 225-31	8.4	39
100	Effects of Polar Bear and Killer Whale Derived Contaminant Cocktails on Marine Mammal Immunity. <i>Environmental Science & Technology</i> , 2017 , 51, 11431-11439	10.3	39
99	Liquid chromatography-electrospray-tandem mass spectrometry method for determination of organophosphate diesters in biotic samples including Great Lakes herring gull plasma. <i>Journal of Chromatography A</i> , 2014 , 1374, 85-92	4.5	39
98	Dicationic ion-pairing of phosphoric acid diesters post-liquid chromatography and subsequent determination by electrospray positive ionization-tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2011 , 1218, 8083-8	4.5	39
97	Organophosphate Ester, 2-Ethylhexyl Diphenyl Phosphate (EHDPP), Elicits Cytotoxic and Transcriptomic Effects in Chicken Embryonic Hepatocytes and Its Biotransformation Profile Compared to Humans. <i>Environmental Science & Technology</i> , 2019 , 53, 2151-2160	10.3	39
96	Bioaccumulation and biomagnification of perfluoroalkyl acids and precursors in East Greenland polar bears and their ringed seal prey. <i>Environmental Pollution</i> , 2019 , 252, 1335-1343	9.3	38

95	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. <i>Analytica Chimica Acta</i> , 2015 , 885, 183-90	6.6	38
94	Tris(2-butoxyethyl)phosphate and triethyl phosphate alter embryonic development, hepatic mRNA expression, thyroid hormone levels, and circulating bile acid concentrations in chicken embryos. <i>Toxicology and Applied Pharmacology</i> , 2014 , 279, 303-310	4.6	38
93	Novel methoxylated polybrominated diphenoxybenzene congeners and possible sources in herring gull eggs from the Laurentian Great Lakes of North America. <i>Environmental Science & Technology</i> , 2011 , 45, 9523-30	10.3	38
92	Biochemical tracers reveal intra-specific differences in the food webs utilized by individual seabirds. <i>Oecologia</i> , 2009 , 160, 15-23	2.9	36
91	Contaminants of emerging concern in Caspian tern compared to herring gull eggs from Michigan colonies in the Great Lakes of North America. <i>Environmental Pollution</i> , 2017 , 222, 154-164	9.3	35
90	Thyroid hormones and deiodinase activity in plasma and tissues in relation to high levels of organohalogen contaminants in East Greenland polar bears (<i>Ursus maritimus</i>). <i>Environmental Research</i> , 2015 , 136, 413-23	7.9	35
89	Functional Group-Dependent Screening of Organophosphate Esters (OPEs) and Discovery of an Abundant OPE Bis-(2-ethylhexyl)-phenyl Phosphate in Indoor Dust. <i>Environmental Science & Technology</i> , 2020 , 54, 4455-4464	10.3	35
88	Determination of organophosphate diesters in urine samples by a high-sensitivity method based on ultra high pressure liquid chromatography-triple quadrupole-mass spectrometry. <i>Journal of Chromatography A</i> , 2015 , 1426, 154-60	4.5	35
87	Pipping success, isomer-specific accumulation, and hepatic mRNA expression in chicken embryos exposed to HBCD. <i>Toxicological Sciences</i> , 2010 , 115, 492-500	4.4	35
86	Photolytic degradation products of two highly brominated flame retardants cause cytotoxicity and mRNA expression alterations in chicken embryonic hepatocytes. <i>Environmental Science & Technology</i> , 2014 , 48, 12039-46	10.3	34
85	Halogenated Flame Retardants in Predator and Prey Fish From the Laurentian Great Lakes: Age-Dependent Accumulation and Trophic Transfer. <i>Environmental Science & Technology</i> , 2017 , 51, 8432-8441	10.3	33
84	Organophosphate triesters and selected metabolites enhance binding of thyroxine to human transthyretin in vitro. <i>Toxicology Letters</i> , 2018 , 285, 87-93	4.4	32
83	Determination of glucuronide conjugates of hydroxyl triphenyl phosphate (OH-TPHP) metabolites in human urine and its use as a biomarker of TPHP exposure. <i>Chemosphere</i> , 2016 , 149, 314-9	8.4	32
82	Trends of polybrominated diphenyl ethers and hexabromocyclododecane in eggs of Canadian Arctic seabirds reflect changing use patterns. <i>Environmental Research</i> , 2015 , 142, 651-61	7.9	32
81	Unusually high Deca-BDE concentrations and new flame retardants in a Canadian Arctic top predator, the glaucous gull. <i>Science of the Total Environment</i> , 2018 , 639, 977-987	10.2	32
80	Whole-Life-Stage Characterization in the Basic Biology of <i>Daphnia magna</i> and Effects of TDCIPP on Growth, Reproduction, Survival, and Transcription of Genes. <i>Environmental Science & Technology</i> , 2017 , 51, 13967-13975	10.3	31
79	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. <i>Environmental Pollution</i> , 2017 , 229, 470-478	9.3	30
78	Organophosphate esters in East Greenland polar bears and ringed seals: Adipose tissue concentrations and in vitro depletion and metabolite formation. <i>Chemosphere</i> , 2018 , 196, 240-250	8.4	30

77	Spatiotemporal patterns and relationships among the diet, biochemistry, and exposure to flame retardants in an apex avian predator, the peregrine falcon. <i>Environmental Research</i> , 2017 , 158, 43-53	7.9	30
76	Persistent, bioaccumulative, and toxic properties of liquid crystal monomers and their detection in indoor residential dust. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 ,	11.5	30
75	A review of halogenated natural products in Arctic, Subarctic and Nordic ecosystems. <i>Emerging Contaminants</i> , 2019 , 5, 89-115	5.8	29
74	Pipping success and liver mRNA expression in chicken embryos exposed in ovo to C8 and C11 perfluorinated carboxylic acids and C10 perfluorinated sulfonate. <i>Toxicology Letters</i> , 2009 , 190, 134-9	4.4	28
73	Penile density and globally used chemicals in Canadian and Greenland polar bears. <i>Environmental Research</i> , 2015 , 137, 287-91	7.9	27
72	In vitro metabolic formation of perfluoroalkyl sulfonamides from copolymer surfactants of pre- and post-2002 scotchgard fabric protector products. <i>Environmental Science & Technology</i> , 2014 , 48, 6184-91	10.3	26
71	Volatile Methylsiloxanes and Organophosphate Esters in the Eggs of European Starlings (<i>Sturnus vulgaris</i>) and Congeneric Gull Species from Locations across Canada. <i>Environmental Science & Technology</i> , 2017 , 51, 9836-9845	10.3	24
70	Current-use halogenated and organophosphorous flame retardants: A review of their presence in Arctic ecosystems. <i>Emerging Contaminants</i> , 2019 , 5, 179-200	5.8	23
69	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. <i>Toxicology and Applied Pharmacology</i> , 2014 , 277, 279-87	4.6	23
68	Liquid Crystal Monomers (LCMs): A New Generation of Persistent Bioaccumulative and Toxic (PBT) Compounds?. <i>Environmental Science & Technology</i> , 2018 , 52, 5005-5006	10.3	22
67	Flame retardants in eggs of American kestrels and European starlings from southern Lake Ontario region (North America). <i>Journal of Environmental Monitoring</i> , 2012 , 14, 2870-6		22
66	Contemporary ¹⁴ C radiocarbon levels of oxygenated polybrominated diphenyl ethers (O-PBDEs) isolated in sponge-cyanobacteria associations. <i>Marine Pollution Bulletin</i> , 2011 , 62, 631-6	6.7	22
65	Side-chain fluorinated polymer surfactants in aquatic sediment and biosolid-augmented agricultural soil from the Great Lakes basin of North America. <i>Science of the Total Environment</i> , 2017 , 607-608, 262-270	10.2	21
64	Uptake, distribution, depletion, and in ovo transfer of isomers of hexabromocyclododecane flame retardant in diet-exposed American kestrels (<i>Falco sparverius</i>). <i>Environmental Toxicology and Chemistry</i> , 2015 , 34, 1103-12	3.8	20
63	Distribution of flame retardants in smartphones and identification of current-use organic chemicals including three novel aryl organophosphate esters. <i>Science of the Total Environment</i> , 2019 , 693, 133654	10.2	20
62	Steroid hormones in blood plasma from Greenland sledge dogs (<i>Canis familiaris</i>) dietary exposed to organohalogen polluted minke whale (<i>Balaenoptera acuterostrata</i>) blubber. <i>Toxicological and Environmental Chemistry</i> , 2014 , 96, 273-286	1.4	19
61	Tetradecabromodiphenoxybenzene flame retardant undergoes photolytic debromination. <i>Environmental Science & Technology</i> , 2013 , 47, 1373-80	10.3	19
60	Validated quantitative cannabis profiling for Canadian regulatory compliance - Cannabinoids, aflatoxins, and terpenes. <i>Analytica Chimica Acta</i> , 2019 , 1088, 79-88	6.6	18

59	Side-chain fluorinated polymer surfactants in biosolids from wastewater treatment plants. <i>Journal of Hazardous Materials</i> , 2020 , 388, 122044	12.8	18
58	Multigenerational effects of tris(1,3-dichloro-2-propyl) phosphate on the free-living ciliate protozoa <i>Tetrahymena thermophila</i> exposed to environmentally relevant concentrations and after subsequent recovery. <i>Environmental Pollution</i> , 2016 , 218, 50-58	9.3	18
57	Spatio-temporal trends and monitoring design of perfluoroalkyl acids in the eggs of gull (<i>Larid</i>) species from across Canada and parts of the United States. <i>Science of the Total Environment</i> , 2016 , 565, 440-450	10.2	18
56	Organophosphate (OP) diesters and a review of sources, chemical properties, environmental occurrence, adverse effects, and future directions. <i>Environment International</i> , 2021 , 155, 106691	12.9	18
55	Biochemical and Transcriptomic Effects of Herring Gull Egg Extracts from Variably Contaminated Colonies of the Laurentian Great Lakes in Chicken Hepatocytes. <i>Environmental Science & Technology</i> , 2015 , 49, 10190-8	10.3	17
54	Sunlight Irradiation of Highly Brominated Polyphenyl Ethers Generates Polybenzofuran Products That Alter Dioxin-responsive mRNA Expression in Chicken Hepatocytes. <i>Environmental Science & Technology</i> , 2016 , 50, 2318-27	10.3	17
53	A review of chlorinated paraffin contamination in Arctic ecosystems. <i>Emerging Contaminants</i> , 2019 , 5, 219-231	5.8	16
52	Hexabromocyclododecane Flame Retardant Isomers in Sediments from Detroit River and Lake Erie of the Laurentian Great Lakes of North America. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2015 , 95, 31-6	2.7	15
51	Legacy and emerging organic pollutants in liver and plasma of long-finned pilot whales (<i>Globicephala melas</i>) from waters surrounding the Faroe Islands. <i>Science of the Total Environment</i> , 2015 , 520, 270-85	10.2	15
50	Structure-Dependent in Vitro Metabolism of Alkyl-Substituted Analogues of Triphenyl Phosphate in East Greenland Polar Bears and Ringed Seals. <i>Environmental Science and Technology Letters</i> , 2018 , 5, 214-219	11	14
49	Persistent organic pollutants, skull size and bone density of polar bears (<i>Ursus maritimus</i>) from East Greenland 1892-2015 and Svalbard 1964-2004. <i>Environmental Research</i> , 2018 , 162, 74-80	7.9	14
48	Newly discovered methoxylated polybrominated diphenoxybenzenes have been contaminants in the Great Lakes herring gull eggs for thirty years. <i>Environmental Science & Technology</i> , 2012 , 46, 9456-63	10.3	14
47	Exploring adduct formation between human serum albumin and eleven organophosphate ester flame retardants and plasticizers using MALDI-TOF/TOF and LC-Q/TOF. <i>Chemosphere</i> , 2017 , 180, 169-177	8.4	13
46	Polychlorinated Diphenylsulfides Activate Aryl Hydrocarbon Receptor 2 in Zebrafish Embryos: Potential Mechanism of Developmental Toxicity. <i>Environmental Science & Technology</i> , 2018 , 52, 4402-4412	10.3	13
45	Perfluoroalkyl Acids in European Starling Eggs Indicate Landfill and Urban Influences in Canadian Terrestrial Environments. <i>Environmental Science & Technology</i> , 2018 , 52, 5571-5580	10.3	13
44	Photolysis of highly brominated flame retardants leads to time-dependent dioxin-responsive mRNA expression in chicken embryonic hepatocytes. <i>Chemosphere</i> , 2018 , 194, 352-359	8.4	12
43	Exposure to tris(1,3-dichloro-2-propyl) phosphate for Two generations decreases fecundity of zebrafish at environmentally relevant concentrations. <i>Aquatic Toxicology</i> , 2018 , 200, 178-187	5.1	12
42	Persistent organic pollutants and penile bone mineral density in East Greenland and Canadian polar bears (<i>Ursus maritimus</i>) during 1996-2015. <i>Environment International</i> , 2018 , 114, 212-218	12.9	11

41	In Vitro and in Silico Competitive Binding of Brominated Polyphenyl Ether Contaminants with Human and Gull Thyroid Hormone Transport Proteins. <i>Environmental Science & Technology</i> , 2018 , 52, 1533-1541	10.3	10
40	Isomer-Specific Hexabromocyclododecane (HBCDD) Levels in Top Predator Fish from Across Canada and 36-Year Temporal Trends in Lake Ontario. <i>Environmental Science & Technology</i> , 2018 , 52, 6197-6207	10.3	10
39	A rapid analytical method to quantify complex organohalogen contaminant mixtures in large samples of high lipid mammalian tissues. <i>Chemosphere</i> , 2017 , 176, 243-248	8.4	9
38	Hexachlorobutadiene (HCBD) contamination in the Arctic environment: A review. <i>Emerging Contaminants</i> , 2019 , 5, 116-122	5.8	9
37	Methodology and determination of tetradecabromo-1, 4-diphenoxybenzene flame retardant and breakdown by-products in sediments from the Laurentian Great Lakes. <i>Chemosphere</i> , 2015 , 118, 342-49	8.4	9
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