

# Robert J Letcher

## List of Publications by Year in descending order

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166  
papers

11,315  
citations

23879

60  
h-index

37326

100  
g-index

167  
all docs

167  
docs citations

167  
times ranked

7274  
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring of Perfluorinated Compounds in Aquatic Biota: An Updated Review. <i>Environmental Science &amp; Technology</i> , 2011, 45, 7962-7973.	4.6	663
2	Exposure and effects assessment of persistent organohalogen contaminants in arctic wildlife and fish. <i>Science of the Total Environment</i> , 2010, 408, 2995-3043.	3.9	660
3	Metabolism in the toxicokinetics and fate of brominated flame retardants—a review. <i>Environment International</i> , 2003, 29, 801-828.	4.8	368
4	Flame Retardants and Methoxylated and Hydroxylated Polybrominated Diphenyl Ethers in Two Norwegian Arctic Top Predators: Glaucous Gulls and Polar Bears. <i>Environmental Science &amp; Technology</i> , 2005, 39, 6021-6028.	4.6	263
5	Predicting global killer whale population collapse from PCB pollution. <i>Science</i> , 2018, 361, 1373-1376.	6.0	252
6	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.	4.8	220
7	Current-Use Flame Retardants in the Eggs of Herring Gulls ( <i>Larus argentatus</i> ) from the Laurentian Great Lakes. <i>Environmental Science &amp; Technology</i> , 2007, 41, 4561-4567.	4.6	214
8	Metabolism of Polybrominated Diphenyl Ethers (PBDEs) by Human Hepatocytes <i>in Vitro</i> . <i>Environmental Health Perspectives</i> , 2009, 117, 197-202.	2.8	212
9	Current state of knowledge on biological effects from contaminants on arctic wildlife and fish. <i>Science of the Total Environment</i> , 2019, 696, 133792.	3.9	184
10	Polybrominated Diphenyl Ethers and Hydroxylated and Methoxylated Brominated and Chlorinated Analogues in the Plasma of Fish from the Detroit River. <i>Environmental Science &amp; Technology</i> , 2005, 39, 5612-5619.	4.6	183
11	Rapid <i>In Vitro</i> Metabolism of the Flame Retardant Triphenyl Phosphate and Effects on Cytotoxicity and mRNA Expression in Chicken Embryonic Hepatocytes. <i>Environmental Science &amp; Technology</i> , 2014, 48, 13511-13519.	4.6	180
12	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.	1.3	180
13	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 &amp; Technology</i> , 2009, 43, 312-317.	4.6	171
14	<i>In Ovo</i> 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.	1.4	169
15	Comparative Body Compartment Composition and <i>In Ovo</i> Transfer of Organophosphate Flame Retardants in North American Great Lakes Herring Gulls. <i>Environmental Science &amp; Technology</i> , 2014, 48, 7942-7950.	4.6	166
16	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.	3.9	160
17	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.	3.7	149
18	Global change effects on the long-term feeding ecology and contaminant exposures of Greenland polar bears. <i>Global Change Biology</i> , 2013, 19, 2360-2372.	4.2	147

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19	DIETARY ACCUMULATION AND METABOLISM OF POLYBROMINATED DIPHENYL ETHERS BY JUVENILE CARP (CYPRINUS CARPIO). <i>Environmental Toxicology and Chemistry</i> , 2004, 23, 1939.	2.2	146
20	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, 169-174.	1.8	142
21	Brominated Flame Retardants in Glaucous Gulls from the Norwegian Arctic: More Than Just an Issue of Polybrominated Diphenyl Ethers. <i>Environmental Science &amp; Technology</i> , 2007, 41, 4925-4931.	4.6	141
22	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 &amp; Technology</i> , 2008, 42, 1524-1530.	4.6	140
23	Organophosphate Flame Retardants and Plasticizers in Aqueous Solution: pH-Dependent Hydrolysis, Kinetics, and Pathways. <i>Environmental Science &amp; Technology</i> , 2016, 50, 8103-8111.	4.6	130
24	Sea Ice-associated Diet Change Increases the Levels of Chlorinated and Brominated Contaminants in Polar Bears. <i>Environmental Science &amp; Technology</i> , 2009, 43, 4334-4339.	4.6	120
25	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.	0.9	116
26	Biotransformation versus Bioaccumulation: Sources of Methyl Sulfone PCB and 4,4'-DDE Metabolites in the Polar Bear Food Chain. <i>Environmental Science &amp; Technology</i> , 1998, 32, 1656-1661.	4.6	111
27	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, 1118-1124.	4.8	110
28	Xenoendocrine Pollutants May Reduce Size of Sexual Organs in East Greenland Polar Bears ( <i>Ursus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	4.6	108
29	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 &amp; Technology</i> , 2015, 49, 14579-14587.	4.6	107
30	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.	3.9	106
31	Flame retardants and legacy contaminants in polar bears from Alaska, Canada, East Greenland and Svalbard, 2005-2008. <i>Environment International</i> , 2011, 37, 365-374.	4.8	102
32	Organophosphate flame retardants and organosiloxanes in predatory freshwater fish from locations across Canada. <i>Environmental Pollution</i> , 2014, 193, 254-261.	3.7	100
33	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.	4.8	98
34	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, 440-450.	1.4	97
35	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 &amp; Technology</i> , 2008, 42, 752-759.	4.6	95
36	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, 115-120.	4.2	93

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37	Novel Flame Retardants in Urban-Feeding Ring-Billed Gulls from the St. Lawrence River, Canada. <i>Environmental Science &amp; Technology</i> , 2012, 46, 9735-9744.	4.6	93
38	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.	3.7	93
39	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.	3.7	91
40	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.	1.3	91
41	A New Fluorinated Surfactant Contaminant in Biota: Perfluorobutane Sulfonamide in Several Fish Species. <i>Environmental Science &amp; Technology</i> , 2016, 50, 669-675.	4.6	90
42	Recombinant Albumin and Transthyretin Transport Proteins from Two Gull Species and Human: Chlorinated and Brominated Contaminant Binding and Thyroid Hormones. <i>Environmental Science &amp; Technology</i> , 2010, 44, 497-504.	4.6	84
43	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.	2.2	83
44	<i>In Vitro</i> 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.	3.9	81
45	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 &amp; Technology</i> , 2015, 49, 12975-12983.	4.6	81
46	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.	4.8	79
47	Organophosphate (OP) diesters and a review of sources, chemical properties, environmental occurrence, adverse effects, and future directions. <i>Environment International</i> , 2021, 155, 106691.	4.8	79
48	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.	3.7	77
49	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.	3.7	76
50	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, 116, 26450-26458.	3.3	76
51	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.	2.2	75
52	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 &amp; Technology</i> , 2010, 44, 8615-8621.	4.6	74
53	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, 485-493.	4.8	74
54	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.	3.7	74

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55	Organohalogen contamination in breeding glaucous gulls from the Norwegian Arctic: Associations with basal metabolism and circulating thyroid hormones. <i>Environmental Pollution</i> , 2007, 145, 138-145.	3.7	70
56	Polybrominated Diphenyl Ethers and Their Hydroxylated Analogues in Ringed Seals ( <i>Phoca</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 3494-3499.	4.6	70
57	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 &amp; Technology</i> , 2020, 54, 4455-4464.	4.6	66
58	Perfluoroalkyl acids in the Canadian environment: Multi-media assessment of current status and trends. <i>Environment International</i> , 2013, 59, 183-200.	4.8	65
59	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, 720-730.	3.7	64
60	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, 1558-1568.	4.2	62
61	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 &amp; Technology</i> , 2010, 44, 3520-3526.	4.6	61
62	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, 92-99.	1.8	60
63	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.	4.8	60
64	Investigating Endocrine and Physiological Parameters of Captive American Kestrels Exposed by Diet to Selected Organophosphate Flame Retardants. <i>Environmental Science &amp; Technology</i> , 2015, 49, 7448-7455.	4.6	60
65	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, 1175-1182.	4.8	59
66	Liquid Crystal Monomers (LCMs): A New Generation of Persistent Bioaccumulative and Toxic (PBT) Compounds?. <i>Environmental Science &amp; Technology</i> , 2018, 52, 5005-5006.	4.6	57
67	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 &amp; Technology</i> , 2019, 53, 2151-2160.	4.6	57
68	Effects of Polar Bear and Killer Whale Derived Contaminant Cocktails on Marine Mammal Immunity. <i>Environmental Science &amp; Technology</i> , 2017, 51, 11431-11439.	4.6	56
69	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, 1506-1514.	2.2	55
70	European Starlings ( <i>Sturnus vulgaris</i> ) Suggest That Landfills Are an Important Source of Bioaccumulative Flame Retardants to Canadian Terrestrial Ecosystems. <i>Environmental Science &amp; Technology</i> , 2013, 47, 12238-12247.	4.6	54
71	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.	2.1	51
72	Side-chain fluorinated polymer surfactants in biosolids from wastewater treatment plants. <i>Journal of Hazardous Materials</i> , 2020, 388, 122044.	6.5	51

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73	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, 183-190.	2.6	49
74	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 &amp; Technology</i> , 2017, 51, 13967-13975.	4.6	48
75	Organophosphate triesters and selected metabolites enhance binding of thyroxine to human transthyretin in vitro. <i>Toxicology Letters</i> , 2018, 285, 87-93.	0.4	47
76	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.	1.3	46
77	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, 225-231.	4.2	46
78	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.	1.8	45
79	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.	1.6	45
80	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.	3.7	43
81	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.	4.2	43
82	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, 8083-8088.	1.8	42
83	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.	3.9	42
84	Biochemical tracers reveal intra-specific differences in the food webs utilized by individual seabirds. <i>Oecologia</i> , 2009, 160, 15-23.	0.9	41
85	In Vitro Metabolic Formation of Perfluoroalkyl Sulfonamides from Copolymer Surfactants of Pre- and Post-2002 Scotchgard Fabric Protector Products. <i>Environmental Science &amp; Technology</i> , 2014, 48, 6184-6191.	4.6	41
86	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, 154-160.	1.8	41
87	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.	3.7	41
88	Current-use halogenated and organophosphorous flame retardants: A review of their presence in Arctic ecosystems. <i>Emerging Contaminants</i> , 2019, 5, 179-200.	2.2	41
89	Novel Methoxylated Polybrominated Diphenoxybenzene Congeners and Possible Sources in Herring Gull Eggs from the Laurentian Great Lakes of North America. <i>Environmental Science &amp; Technology</i> , 2011, 45, 9523-9530.	4.6	40
90	Trends of polybrominated diphenyl ethers and hexabromocyclododecane in eggs of Canadian Arctic seabirds reflect changing use patterns. <i>Environmental Research</i> , 2015, 142, 651-661.	3.7	40



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91	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, 413-423.	3.7	40
92	A review of halogenated natural products in Arctic, Subarctic and Nordic ecosystems. <i>Emerging Contaminants</i> , 2019, 5, 89-115.	2.2	40
93	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, 314-319.	4.2	39
94	Pipping Success, Isomer-Specific Accumulation, and Hepatic mRNA Expression in Chicken Embryos Exposed to HBCD. <i>Toxicological Sciences</i> , 2010, 115, 492-500.	1.4	38
95	Photolytic Degradation Products of Two Highly Brominated Flame Retardants Cause Cytotoxicity and mRNA Expression Alterations in Chicken Embryonic Hepatocytes. <i>Environmental Science &amp; Technology</i> , 2014, 48, 12039-12046.	4.6	38
96	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.	3.9	37
97	Halogenated Flame Retardants in Predator and Prey Fish From the Laurentian Great Lakes: Age-Dependent Accumulation and Trophic Transfer. <i>Environmental Science &amp; Technology</i> , 2017, 51, 8432-8441.	4.6	36
98	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.	3.7	35
99	Penile density and globally used chemicals in Canadian and Greenland polar bears. <i>Environmental Research</i> , 2015, 137, 287-291.	3.7	34
100	A review of chlorinated paraffin contamination in Arctic ecosystems. <i>Emerging Contaminants</i> , 2019, 5, 219-231.	2.2	34
101	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, 134-139.	0.4	31
102	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.	3.9	29
103	A risk assessment review of mercury exposure in Arctic marine and terrestrial mammals. <i>Science of the Total Environment</i> , 2022, 829, 154445.	3.9	29
104	Volatile Methylsiloxanes and Organophosphate Esters in the Eggs of European Starlings ( <i>Sturnus</i> ). <i>Environmental Science &amp; Technology</i> , 2017, 51, 9836-9845.	4.6	28
105	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, 279-287.	1.3	27
106	Validated quantitative cannabis profiling for Canadian regulatory compliance - Cannabinoids, aflatoxins, and terpenes. <i>Analytica Chimica Acta</i> , 2019, 1088, 79-88.	2.6	25
107	Contemporary <sup>14</sup> C radiocarbon levels of oxygenated polybrominated diphenyl ethers (O-PBDEs) isolated in sponge-cyanobacteria associations. <i>Marine Pollution Bulletin</i> , 2011, 62, 631-636.	2.3	24
108	Climate change and mercury in the Arctic: Biotic interactions. <i>Science of the Total Environment</i> , 2022, 834, 155221.	3.9	24

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109	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.	0.6	23
110	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, 1103-1112.	2.2	23
111	Emerging contaminants and biological effects in Arctic wildlife. <i>Trends in Ecology and Evolution</i> , 2021, 36, 421-429.	4.2	23
112	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.	2.1	22
113	Legacy and emerging organic pollutants in liver and plasma of long-finned pilot whales ( <i>Globicephala</i> ) Tj ETQq1 1 0.784314 rgBT /Ove 270-285.	3.9	22
114	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.	3.7	22
115	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.	3.9	22
116	Polychlorinated Diphenylsulfides Activate Aryl Hydrocarbon Receptor 2 in Zebrafish Embryos: Potential Mechanism of Developmental Toxicity. <i>Environmental Science &amp; Technology</i> , 2018, 52, 4402-4412.	4.6	22
117	Biochemical and Transcriptomic Effects of Herring Gull Egg Extracts from Variably Contaminated Colonies of the Laurentian Great Lakes in Chicken Hepatocytes. <i>Environmental Science &amp; Technology</i> , 2015, 49, 10190-10198.	4.6	21
118	Perfluoroalkyl Acids in European Starling Eggs Indicate Landfill and Urban Influences in Canadian Terrestrial Environments. <i>Environmental Science &amp; Technology</i> , 2018, 52, 5571-5580.	4.6	21
119	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.	1.9	21
120	Individual Prey Specialization Drives PCBs in Icelandic Killer Whales. <i>Environmental Science &amp; Technology</i> , 2021, 55, 4923-4931.	4.6	21
121	Tetradecabromodiphenoxybenzene Flame Retardant Undergoes Photolytic Debromination. <i>Environmental Science &amp; Technology</i> , 2013, 47, 1373-1380.	4.6	20
122	Structure-Dependent <i>in Vitro</i> 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.	3.9	20
123	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, 31-36.	1.3	19
124	Sunlight Irradiation of Highly Brominated Polyphenyl Ethers Generates Polybenzofuran Products That Alter Dioxin-responsive mRNA Expression in Chicken Hepatocytes. <i>Environmental Science &amp; Technology</i> , 2016, 50, 2318-2327.	4.6	19
125	<i>In Vitro</i> and <i>In Silico</i> Competitive Binding of Brominated Polyphenyl Ether Contaminants with Human and Gull Thyroid Hormone Transport Proteins. <i>Environmental Science &amp; Technology</i> , 2018, 52, 1533-1541.	4.6	18
126	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.	4.2	17



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127	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.	3.7	17
128	Hexachlorobutadiene (HCBd) contamination in the Arctic environment: A review. <i>Emerging Contaminants</i> , 2019, 5, 116-122.	2.2	17
129	A mixed-mode chromatographic separation method for the analysis of dialkyl phosphates. <i>Journal of Chromatography A</i> , 2018, 1535, 63-71.	1.8	16
130	Progression of liver tumor was promoted by tris(1,3-dichloro-2-propyl) phosphate through the induction of inflammatory responses in <i>kras</i> transgenic zebrafish. <i>Environmental Pollution</i> , 2019, 255, 113315.	3.7	15
131	A comprehensive system for detection of behavioral change of <i>D. magna</i> exposed to various chemicals. <i>Journal of Hazardous Materials</i> , 2021, 402, 123731.	6.5	15
132	Newly Discovered Methoxylated Polybrominated Diphenoxybenzenes Have Been Contaminants in the Great Lakes Herring Gull Eggs for Thirty Years. <i>Environmental Science &amp; Technology</i> , 2012, 46, 9456-9463.	4.6	14
133	Chemical and biological transfer: Which one is responsible for the maternal transfer toxicity of tris(1,3-dichloro-2-propyl) phosphate in zebrafish?. <i>Environmental Pollution</i> , 2018, 243, 1376-1382.	3.7	14
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135	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. <i>Environmental Science &amp; Technology</i> , 2021, 55, 8108-8118.	4.6	14
136	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.	4.2	13
137	Perfluoroalkyl acids and sulfonamides and dietary, biological and ecological associations in peregrine falcons from the Laurentian Great Lakes Basin, Canada. <i>Environmental Research</i> , 2020, 191, 110151.	3.7	13
138	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, 1378-1388.	2.2	12
139	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.	4.8	12
140	Global distribution of ustiloxins in rice and their male-biased hepatotoxicity. <i>Environmental Pollution</i> , 2022, 301, 118992.	3.7	12
141	Metabolic transformation of environmentally-relevant brominated flame retardants in Fauna: A review. <i>Environment International</i> , 2022, 161, 107097.	4.8	12
142	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.	4.2	11
143	Tetrabromobisphenol-A-Bis(dibromopropyl ether) Flame Retardant in Eggs, Regurgitates, and Feces of Herring Gulls from Multiple North American Great Lakes Locations. <i>Environmental Science &amp; Technology</i> , 2019, 53, 9564-9571.	4.6	11
144	Temporal change and the influence of climate and weather factors on mercury concentrations in Hudson Bay polar bears, caribou, and seabird eggs. <i>Environmental Research</i> , 2022, 207, 112169.	3.7	11

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145	Covalent binding of the organophosphate insecticide profenofos to tyrosine on $\alpha$ - and $\beta$ -tubulin proteins. <i>Chemosphere</i> , 2018, 199, 154-159.	4.2	10
146	A rapid method of preparing complex organohalogen extracts from avian eggs: Applications to in vitro toxicogenomics screening. <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 811-819.	2.2	10
147	Electron Capture/Negative Ionization Mass Spectrometric Characteristics of Bioaccumulating Methyl Sulfone-Substituted Polychlorinated Biphenyls. <i>Journal of Mass Spectrometry</i> , 1997, 32, 232-240.	0.7	9
148	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, 342-349.	4.2	9
149	Assessment of the effects of early life exposure to triphenyl phosphate on fear, boldness, aggression, and activity in Japanese quail ( <i>Coturnix japonica</i> ) chicks. <i>Environmental Pollution</i> , 2020, 258, 113695.	3.7	9
150	In vitro metabolic activation of triphenyl phosphate leading to the formation of glutathione conjugates by rat liver microsomes. <i>Chemosphere</i> , 2019, 237, 124474.	4.2	8
151	Distribution behaviour in body compartments and in ovo transfer of flame retardants in North American Great Lakes herring gulls. <i>Environmental Pollution</i> , 2020, 262, 114306.	3.7	8
152	In Vitro Metabolism of Photolytic Breakdown Products of Tetradecabromo-1,4-diphenoxybenzene Flame Retardant in Herring Gull and Rat Liver Microsomal Assays. <i>Environmental Science &amp; Technology</i> , 2016, 50, 8335-8343.	4.6	7
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155	Down-Regulation of <i>hspb9</i> and <i>hspb11</i> Contributes to Wavy Notochord in Zebrafish Embryos Following Exposure to Polychlorinated Diphenylsulfides. <i>Environmental Science &amp; Technology</i> , 2018, 52, 12829-12840.	4.6	7
156	Reply to Comment on "Novel Methoxylated Polybrominated Diphenoxybenzene Congeners and Possible Sources in Herring Gull Eggs from the Laurentian Great Lakes of North America". <i>Environmental Science &amp; Technology</i> , 2012, 46, 3589-3590.	4.6	6
157	Promotion effect of liver tumor progression in male <i>kras</i> transgenic zebrafish induced by tris (1,1,1-trichloro-2,2,2-trifluoroethyl) phosphate. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 83-88.	2.9	6
158	Occurrence and translocation of ustiloxins in rice false smut-occurred paddy fields, Hubei, China. <i>Environmental Pollution</i> , 2022, 307, 119460.	3.7	6
159	Uptake, Deposition, and Metabolism of Triphenyl Phosphate in Embryonated Eggs and Chicks of Japanese Quail ( <i>Coturnix japonica</i> ). <i>Environmental Toxicology and Chemistry</i> , 2020, 39, 565-573.	2.2	5
160	In ovo tris(2-ethylhexyl) 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. <i>Environmental Toxicology and Chemistry</i> , 2017, 36, 83-88.	2.2	4
161	Response to L. Witting: PCBs still a major risk for global killer whale populations. <i>Marine Mammal Science</i> , 2019, 35, 1201-1206.	0.9	4
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164	Establishment of a three-step method to evaluate effects of chemicals on development of zebrafish embryo/larvae. <i>Chemosphere</i> , 2017, 186, 209-217.	4.2	2
165	Optimization of an in vitro assay methodology for competitive binding of thyroidogenic xenobiotics with thyroxine on human transthyretin and albumin. <i>MethodsX</i> , 2017, 4, 404-412.	0.7	2
166	Polar Bear ( <i>Ursus maritimus</i> )., 2020, , 196-212.		0