Robert J Letcher

List of Publications by Year
in descending order

166 papers	11,315 citations	20817 60 h-index	32842 100 g-index
167 all docs	167 docs citations	167 times ranked	6596 citing authors

#	Article	IF	Citations
1	Monitoring of Perfluorinated Compounds in Aquatic Biota: An Updated Review. Environmental Science & Technology, 2011, 45, 7962-7973.	10.0	663
2	Exposure and effects assessment of persistent organohalogen contaminants in arctic wildlife and fish. Science of the Total Environment, 2010, 408, 2995-3043.	8.0	660
3	Metabolism in the toxicokinetics and fate of brominated flame retardantsâ€"a review. Environment International, 2003, 29, 801-828.	10.0	368
4	Flame Retardants and Methoxylated and Hydroxylated Polybrominated Diphenyl Ethers in Two Norwegian Arctic Top Predators:â€‰ Glaucous Gulls and Polar Bears. Environmental Science & Technology, 2005, 39, 6021-6028.	10.0	263
5	Predicting global killer whale population collapse from PCB pollution. Science, 2018, 361, 1373-1376.	12.6	252
6	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.	10.0	220
7	Current-Use Flame Retardants in the Eggs of Herring Gulls (Larus argentatus) from the Laurentian Great Lakes. Environmental Science & Technology, 2007, 41, 4561-4567.	10.0	214
8	Metabolism of Polybrominated Diphenyl Ethers (PBDEs) by Human Hepatocytes in Vitro. Environmental Health Perspectives, 2009, 117, 197-202.	6.0	212
9	Current state of knowledge on biological effects from contaminants on arctic wildlife and fish. Science of the Total Environment, 2019, 696, 133792.	8.0	184
10	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, 5612-5619.	10.0	183
11	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, 13511-13519.	10.0	180
12	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	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. Environmental Science & Technology, 2009, 43, 312-317.	10.0	171
14	In Ovo Effects of Two Organophosphate Flame Retardantsâ€"TCPP and TDCPPâ€"on Pipping Success, Development, mRNA Expression, and Thyroid Hormone Levels in Chicken Embryos. Toxicological Sciences, 2013, 134, 92-102.	3.1	169
15	Comparative Body Compartment Composition and In Ovo Transfer of Organophosphate Flame Retardants in North American Great Lakes Herring Gulls. Environmental Science & Technology, 2014, 48, 7942-7950.	10.0	166
16	An assessment of the toxicological significance of anthropogenic contaminants in Canadian arctic wildlife. Science of the Total Environment, 2005, 351-352, 57-93.	8.0	160
17	Tissue-specific congener composition of organohalogen and metabolite contaminants in East Greenland polar bears (Ursus maritimus). Environmental Pollution, 2008, 152, 621-629.	7.5	149
18	Global change effects on the longâ€term feeding ecology and contaminant exposures of <scp>E</scp>ast <scp>G</scp>reenland polar bears. Global Change Biology, 2013, 19, 2360-2372.	9.5	147

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19	DIETARY ACCUMULATION AND METABOLISM OF POLYBROMINATED DIPHENYL ETHERS BY JUVENILE CARP (CYPRINUS CARPIO). Environmental Toxicology and Chemistry, 2004, 23, 1939.	4.3	146
20	Determination of non-halogenated, chlorinated and brominated organophosphate flame retardants in herring gull eggs based on liquid chromatographyâ€“tandem quadrupole mass spectrometry. Journal of Chromatography A, 2012, 1220, 169-174.	3.7	142
21	Brominated Flame Retardants in Glaucous Gulls from the Norwegian Arctic:Â More Than Just an Issue of Polybrominated Diphenyl Ethers. Environmental Science & Technology, 2007, 41, 4925-4931.	10.0	141
22	Dramatic Changes in the Temporal Trends of Polybrominated Diphenyl Ethers (PBDEs) in Herring Gull Eggs From the Laurentian Great Lakes: 1982â€“2006. Environmental Science & Technology, 2008, 42, 1524-1530.	10.0	140
23	Organophosphate Flame Retardants and Plasticizers in Aqueous Solution: pH-Dependent Hydrolysis, Kinetics, and Pathways. Environmental Science & Technology, 2016, 50, 8103-8111.	10.0	130
24	Sea Ice-associated Diet Change Increases the Levels of Chlorinated and Brominated Contaminants in Polar Bears. Environmental Science & Technology, 2009, 43, 4334-4339.	10.0	120
25	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.	1.8	116
26	Biotransformation versus Bioaccumulation:Â Sources of Methyl Sulfone PCB and 4,4â€˜-DDE Metabolites in the Polar Bear Food Chain. Environmental Science & Technology, 1998, 32, 1656-1661.	10.0	111
27	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, 1118-1124.	10.0	110
28	Xenoendocrine Pollutants May Reduce Size of Sexual Organs in East Greenland Polar Bears (Ursus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	10.0	108
29	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, 14579-14587.	10.0	107
30	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.	8.0	106
31	Flame retardants and legacy contaminants in polar bears from Alaska, Canada, East Greenland and Svalbard, 2005â€“2008. Environment International, 2011, 37, 365-374.	10.0	102
32	Organophosphate flame retardants and organosiloxanes in predatory freshwater fish from locations across Canada. Environmental Pollution, 2014, 193, 254-261.	7.5	100
33	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.	10.0	98
34	Recombinant Transthyretin Purification and Competitive Binding with Organohalogen Compounds in Two Gull Species (Larus argentatus and Larus hyperboreus). Toxicological Sciences, 2009, 107, 440-450.	3.1	97
35	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, 752-759.	10.0	95
36	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, 115-120.	8.2	93

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37	Novel Flame Retardants in Urban-Feeding Ring-Billed Gulls from the St. Lawrence River, Canada. Environmental Science & Technology, 2012, 46, 9735-9744.	10.0	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. Environmental Research, 2016, 150, 255-263.	7.5	93
39	Flame retardants in eggs of four gull species (Laridae) from breeding sites spanning Atlantic to Pacific Canada. Environmental Pollution, 2012, 168, 1-9.	7.5	91
40	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.	2.8	91
41	A New Fluorinated Surfactant Contaminant in Biota: Perfluorobutane Sulfonamide in Several Fish Species. Environmental Science & Technology, 2016, 50, 669-675.	10.0	90
42	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.	10.0	84
43	ORGANOHALOGEN CONTAMINANTS AND METABOLITES IN BELUGA WHALE (DELPHINAPTERUS LEUCAS) LIVER FROM TWO CANADIAN POPULATIONS. Environmental Toxicology and Chemistry, 2006, 25, 1246.	4.3	83
44	In Vitro Metabolism 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.	8.7	81
45	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, 12975-12983.	10.0	81
46	Immunologic, reproductive, and carcinogenic risk assessment from POP exposure in East Greenland polar bears (Ursus maritimus) during 1983â€“2013. Environment International, 2018, 118, 169-178.	10.0	79
47	Organophosphate (OP) diesters and a review of sources, chemical properties, environmental occurrence, adverse effects, and future directions. Environment International, 2021, 155, 106691.	10.0	79
48	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.	7.5	77
49	Bioaccumulation and biomagnification of perfluoroalkyl acids and precursors in East Greenland polar bears and their ringed seal prey. Environmental Pollution, 2019, 252, 1335-1343.	7.5	76
50	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, 116, 26450-26458.	7.1	76
51	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.	4.3	75
52	High-Sensitivity Method for Determination of Tetrabromobisphenol-S and Tetrabromobisphenol-A Derivative Flame Retardants in Great Lakes Herring Gull Eggs by Liquid Chromatographyâ^'Atmospheric Pressure Photoionizationâ^'Tandem Mass Spectrometry. Environmental Science & Technology, 2010, 44, 8615-8621.	10.0	74
53	Three decades (1983â€“2010) of contaminant trends in East Greenland polar bears (Ursus maritimus). Part 1: Legacy organochlorine contaminants. Environment International, 2013, 59, 485-493.	10.0	74
54	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.	7.5	74

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55	Organohalogen contamination in breeding glaucous gulls from the Norwegian Arctic: Associations with basal metabolism and circulating thyroid hormones. Environmental Pollution, 2007, 145, 138-145.	7.5	70
56	Polybrominated Diphenyl Ethers and Their Hydroxylated Analogues in Ringed Seals (Phoca) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 3494-3499.	10.0	70
57	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.	10.0	66
58	Perfluoroalkyl acids in the Canadian environment: Multi-media assessment of current status and trends. Environment International, 2013, 59, 183-200.	10.0	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. Environmental Research, 2015, 142, 720-730.	7.5	64
60	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, 1558-1568.	8.2	62
61	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, 3520-3526.	10.0	61
62	Analysis of fluorotelomer alcohols and perfluorinated sulfonamides in biotic samples by liquid chromatography-atmospheric pressure photoionization mass spectrometry. Journal of Chromatography A, 2008, 1215, 92-99.	3.7	60
63	Three decades (1983â€“2010) of contaminant trends in East Greenland polar bears (Ursus maritimus). Part 2: Brominated flame retardants. Environment International, 2013, 59, 494-500.	10.0	60
64	Investigating Endocrine and Physiological Parameters of Captive American Kestrels Exposed by Diet to Selected Organophosphate Flame Retardants. Environmental Science & Technology, 2015, 49, 7448-7455.	10.0	60
65	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, 1175-1182.	10.0	59
66	Liquid Crystal Monomers (LCMs): A New Generation of Persistent Bioaccumulative and Toxic (PBT) Compounds?. Environmental Science & Technology, 2018, 52, 5005-5006.	10.0	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. Environmental Science & Technology, 2019, 53, 2151-2160.	10.0	57
68	Effects of Polar Bear and Killer Whale Derived Contaminant Cocktails on Marine Mammal Immunity. Environmental Science & Technology, 2017, 51, 11431-11439.	10.0	56
69	Comparative hepatic microsomal biotransformation of selected PBDEs, including decabromodiphenyl ether, and decabromodiphenyl ethane flame retardants in Arctic marineâ€feeding mammals. Environmental Toxicology and Chemistry, 2011, 30, 1506-1514.	4.3	55
70	European Starlings (Sturnus vulgaris) Suggest That Landfills Are an Important Source of Bioaccumulative Flame Retardants to Canadian Terrestrial Ecosystems. Environmental Science & Technology, 2013, 47, 12238-12247.	10.0	54
71	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.	2.1	51
72	Side-chain fluorinated polymer surfactants in biosolids from wastewater treatment plants. Journal of Hazardous Materials, 2020, 388, 122044.	12.4	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. Analytica Chimica Acta, 2015, 885, 183-190.	5.4	49
74	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.	10.0	48
75	Organophosphate triesters and selected metabolites enhance binding of thyroxine to human transthyretin in vitro. Toxicology Letters, 2018, 285, 87-93.	0.8	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. Toxicology and Applied Pharmacology, 2014, 279, 303-310.	2.8	46
77	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, 225-231.	8.2	46
78	Liquid chromatography-electrosprayâ€“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.	3.7	45
79	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.	3.3	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. Environmental Pollution, 2017, 229, 470-478.	7.5	43
81	Organophosphate esters in East Greenland polar bears and ringed seals: Adipose tissue concentrations and inÂvitro depletion and metabolite formation. Chemosphere, 2018, 196, 240-250.	8.2	43
82	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, 8083-8088.	3.7	42
83	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.	8.0	42
84	Biochemical tracers reveal intra-specific differences in the food webs utilized by individual seabirds. Oecologia, 2009, 160, 15-23.	2.0	41
85	In Vitro Metabolic Formation of Perfluoroalkyl Sulfonamides from Copolymer Surfactants of Pre- and Post-2002 Scotchgard Fabric Protector Products. Environmental Science & Technology, 2014, 48, 6184-6191.	10.0	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. Journal of Chromatography A, 2015, 1426, 154-160.	3.7	41
87	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.	7.5	41
88	Current-use halogenated and organophosphorous flame retardants: AÂreview of their presence in Arctic ecosystems. Emerging Contaminants, 2019, 5, 179-200.	4.9	41
89	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, 9523-9530.	10.0	40
90	Trends of polybrominated diphenyl ethers and hexabromocyclododecane in eggs of Canadian Arctic seabirds reflect changing use patterns. Environmental Research, 2015, 142, 651-661.	7.5	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 (Ursus maritimus). Environmental Research, 2015, 136, 413-423.	7.5	40
92	A review of halogenated natural products in Arctic, Subarctic and Nordic ecosystems. Emerging Contaminants, 2019, 5, 89-115.	4.9	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. Chemosphere, 2016, 149, 314-319.	8.2	39
94	Pipping Success, Isomer-Specific Accumulation, and Hepatic mRNA Expression in Chicken Embryos Exposed to HBCD. Toxicological Sciences, 2010, 115, 492-500.	3.1	38
95	Photolytic Degradation Products of Two Highly Brominated Flame Retardants Cause Cytotoxicity and mRNA Expression Alterations in Chicken Embryonic Hepatocytes. Environmental Science & Technology, 2014, 48, 12039-12046.	10.0	38
96	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.	8.0	37
97	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.	10.0	36
98	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.	7.5	35
99	Penile density and globally used chemicals in Canadian and Greenland polar bears. Environmental Research, 2015, 137, 287-291.	7.5	34
100	A review of chlorinated paraffin contamination in Arctic ecosystems. Emerging Contaminants, 2019, 5, 219-231.	4.9	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. Toxicology Letters, 2009, 190, 134-139.	0.8	31
102	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.	8.0	29
103	A risk assessment review of mercury exposure in Arctic marine and terrestrial mammals. Science of the Total Environment, 2022, 829, 154445.	8.0	29
104	Volatile Methylsiloxanes and Organophosphate Esters in the Eggs of European Starlings (<i>Sturnus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Technology, 2017, 51, 9836-9845.	10.0	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. Toxicology and Applied Pharmacology, 2014, 277, 279-287.	2.8	27
106	Validated quantitative cannabis profiling for Canadian regulatory compliance - Cannabinoids, aflatoxins, and terpenes. Analytica Chimica Acta, 2019, 1088, 79-88.	5.4	25
107	Contemporary 14C radiocarbon levels of oxygenated polybrominated diphenyl ethers (O-PBDEs) isolated in spongeâ€“cyanobacteria associations. Marine Pollution Bulletin, 2011, 62, 631-636.	5.0	24
108	Climate change and mercury in the Arctic: Biotic interactions. Science of the Total Environment, 2022, 834, 155221.	8.0	24

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109	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.	1.2	23
110	Uptake, distribution, depletion, and in ovo transfer of isomers of hexabromocyclododecane flame retardant in dietâ€exposed American kestrels (Falco sparverius). Environmental Toxicology and Chemistry, 2015, 34, 1103-1112.	4.3	23
111	Emerging contaminants and biological effects in Arctic wildlife. Trends in Ecology and Evolution, 2021, 36, 421-429.	8.7	23
112	Flame retardants in eggs of American kestrels and European starlings from southern Lake Ontario region (North America). Journal of Environmental Monitoring, 2012, 14, 2870.	2.1	22
113	Legacy and emerging organic pollutants in liver and plasma of long-finned pilot whales (Globicephala) Tj ETQq1 1 0.784314 rgBT /Ove 270-285.	8.0	22
114	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.	7.5	22
115	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.	8.0	22
116	Polychlorinated Diphenylsulfides Activate Aryl Hydrocarbon Receptor 2 in Zebrafish Embryos: Potential Mechanism of Developmental Toxicity. Environmental Science & Technology, 2018, 52, 4402-4412.	10.0	22
117	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, 10190-10198.	10.0	21
118	Perfluoroalkyl Acids in European Starling Eggs Indicate Landfill and Urban Influences in Canadian Terrestrial Environments. Environmental Science & Technology, 2018, 52, 5571-5580.	10.0	21
119	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.	4.0	21
120	Individual Prey Specialization Drives PCBs in Icelandic Killer Whales. Environmental Science & Technology, 2021, 55, 4923-4931.	10.0	21
121	Tetradecabromodiphenoxybenzene Flame Retardant Undergoes Photolytic Debromination. Environmental Science & Technology, 2013, 47, 1373-1380.	10.0	20
122	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.	8.7	20
123	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, 31-36.	2.7	19
124	Sunlight Irradiation of Highly Brominated Polyphenyl Ethers Generates Polybenzofuran Products That Alter Dioxin-responsive mRNA Expression in Chicken Hepatocytes. Environmental Science & Technology, 2016, 50, 2318-2327.	10.0	19
125	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.	10.0	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. Chemosphere, 2017, 180, 169-177.	8.2	17

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127	Persistent organic pollutants, skull size and bone density of polar bears (Ursus maritimus) from East Greenland 1892â€“2015 and Svalbard 1964â€“2004. Environmental Research, 2018, 162, 74-80.	7.5	17
128	Hexachlorobutadiene (HCBD) contamination in the Arctic environment: A review. Emerging Contaminants, 2019, 5, 116-122.	4.9	17
129	A mixed-mode chromatographic separation method for the analysis of dialkyl phosphates. Journal of Chromatography A, 2018, 1535, 63-71.	3.7	16
130	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.	7.5	15
131	A comprehensive system for detection of behavioral change of D. magna exposed to various chemicals. Journal of Hazardous Materials, 2021, 402, 123731.	12.4	15
132	Newly Discovered Methoxylated Polybrominated Diphenoxybenzenes Have Been Contaminants in the Great Lakes Herring Gull Eggs for Thirty Years. Environmental Science & Technology, 2012, 46, 9456-9463.	10.0	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?. Environmental Pollution, 2018, 243, 1376-1382.	7.5	14
134	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.	10.0	14
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. Environmental Science & Technology, 2021, 55, 8108-8118.	10.0	14
136	Photolysis of highly brominated flame retardants leads to time-dependent dioxin-responsive mRNA expression in chicken embryonic hepatocytes. Chemosphere, 2018, 194, 352-359.	8.2	13
137	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.	7.5	13
138	Methylsulfone polycglorinated biphenyl and 2,2â€bis(chlorophenyl)â€1,1â€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.	4.3	12
139	Persistent organic pollutants and penile bone mineral density in East Greenland and Canadian polar bears (Ursus maritimus) during 1996â€“2015. Environment International, 2018, 114, 212-218.	10.0	12
140	Global distribution of ustiloxins in rice and their male-biased hepatotoxicity. Environmental Pollution, 2022, 301, 118992.	7.5	12
141	Metabolic transformation of environmentally-relevant brominated flame retardants in Fauna: A review. Environment International, 2022, 161, 107097.	10.0	12
142	A rapid analytical method to quantify complex organohalogen contaminant mixtures in large samples of high lipid mammalian tissues. Chemosphere, 2017, 176, 243-248.	8.2	11
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