

# Kim J Fernie

## List of Publications by Citations

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65  
papers

2,146  
citations

25  
h-index

45  
g-index

65  
ext. papers

2,389  
ext. citations

7.1  
avg. IF

4.92  
L-index

#	Paper	IF	Citations
65	Levels and trends of PBDEs and HBCDs in the global environment: status at the end of 2012. <i>Environment International</i> , <b>2014</b> , 65, 147-58	12.9	304
64	Exposure to polybrominated diphenyl ethers (PBDEs): changes in thyroid, vitamin A, glutathione homeostasis, and oxidative stress in American kestrels ( <i>Falco sparverius</i> ). <i>Toxicological Sciences</i> , <b>2005</b> , 88, 375-83	4.4	254
63	Changes in reproductive courtship behaviors of adult American kestrels ( <i>Falco sparverius</i> ) exposed to environmentally relevant levels of the polybrominated diphenyl ether mixture, DE-71. <i>Toxicological Sciences</i> , <b>2008</b> , 102, 171-8	4.4	102
62	Environmentally relevant concentrations of DE-71 and HBCD alter eggshell thickness and reproductive success of American kestrels. <i>Environmental Science &amp; Technology</i> , <b>2009</b> , 43, 2124-30	10.3	100
61	Dechlorane plus and related compounds in peregrine falcon ( <i>Falco peregrinus</i> ) eggs from Canada and Spain. <i>Environmental Science &amp; Technology</i> , <b>2011</b> , 45, 1284-90	10.3	95
60	Evidence of immunomodulation in nestling American kestrels ( <i>Falco sparverius</i> ) exposed to environmentally relevant PBDEs. <i>Environmental Pollution</i> , <b>2005</b> , 138, 485-93	9.3	94
59	Changes in the growth, but not the survival, of American kestrels ( <i>Falco sparverius</i> ) exposed to environmentally relevant polybrominated diphenyl ethers. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2006</b> , 69, 1541-54	3.2	81
58	Emerging and historical brominated flame retardants in peregrine falcon ( <i>Falco peregrinus</i> ) eggs from Canada and Spain. <i>Environment International</i> , <b>2012</b> , 40, 179-186	12.9	78
57	Birds and flame retardants: A review of the toxic effects on birds of historical and novel flame retardants. <i>Environmental Research</i> , <b>2017</b> , 154, 398-424	7.9	70
56	Effect of sampling effort and species detectability on volunteer based anuran monitoring programs. <i>Biological Conservation</i> , <b>2005</b> , 121, 585-594	6.2	65
55	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> , <b>2010</b> , 44, 3520-6	10.3	59
54	The effects of electromagnetic fields from power lines on avian reproductive biology and physiology: a review. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , <b>2005</b> , 8, 127-40	8.6	45
53	Detoxification, endocrine, and immune responses of tree swallow nestlings naturally exposed to air contaminants from the Alberta oil sands. <i>Science of the Total Environment</i> , <b>2015</b> , 502, 8-15	10.2	41
52	Dietary exposure of American kestrels ( <i>Falco sparverius</i> ) to decabromodiphenyl ether (BDE-209) flame retardant: uptake, distribution, debromination and cytochrome P450 enzyme induction. <i>Environment International</i> , <b>2014</b> , 63, 182-90	12.9	40
51	Air synthesis review: polycyclic aromatic compounds in the oil sands region. <i>Environmental Reviews</i> , <b>2018</b> , 26, 430-468	4.5	39
50	Disruption of thyroxine and sex hormones by 1,2-dibromo-4-(1,2-dibromoethyl)cyclohexane (DBE-DBCH) in American kestrels ( <i>Falco sparverius</i> ) and associations with reproductive and behavioral changes. <i>Environmental Research</i> , <b>2017</b> , 154, 389-397	7.9	38
49	Diet exposure to technical hexabromocyclododecane (HBCD) affects testes and circulating testosterone and thyroxine levels in American kestrels ( <i>Falco sparverius</i> ). <i>Environmental Research</i> , <b>2011</b> , 111, 1116-23	7.9	34

48	Occurrence of Triclocarban and Triclosan in an Agro-ecosystem Following Application of Biosolids. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 13206-13214	10.3	33
47	Multi-generational effects of polybrominated diphenylethers exposure: embryonic exposure of male American kestrels ( <i>Falco sparverius</i> ) to DE-71 alters reproductive success and behaviors. <i>Environmental Toxicology and Chemistry</i> , <b>2010</b> , 29, 1740-7	3.8	33
46	The flame retardant 1,2-dibromo-4-(1,2-dibromoethyl)cyclohexane: fate, fertility, and reproductive success in American kestrels ( <i>Falco sparverius</i> ). <i>Environmental Science &amp; Technology</i> , <b>2012</b> , 46, 8440-7	10.3	32
45	Reproductive changes in American kestrels ( <i>Falco sparverius</i> ) in relation to exposure to technical hexabromocyclododecane flame retardant. <i>Environmental Toxicology and Chemistry</i> , <b>2011</b> , 30, 2570-5	3.8	31
44	Sex-specific changes in thyroid gland function and circulating thyroid hormones in nestling American kestrels ( <i>Falco sparverius</i> ) following embryonic exposure to polybrominated diphenyl ethers by maternal transfer. <i>Environmental Toxicology and Chemistry</i> , <b>2016</b> , 35, 2084-91	3.8	31
43	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> , <b>2017</b> , 158, 43-53	7.9	30
42	Reproductive abnormalities, teratogenicity, and developmental problems in American kestrels ( <i>Falco sparverius</i> ) exposed to polychlorinated biphenyls. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2003</b> , 66, 2089-103	3.2	28
41	Dietary exposure to technical hexabromocyclododecane (HBCD) alters courtship, incubation and parental behaviors in American kestrels ( <i>Falco sparverius</i> ). <i>Chemosphere</i> , <b>2012</b> , 89, 1077-83	8.4	27
40	Elevated exposure, uptake and accumulation of polycyclic aromatic hydrocarbons by nestling tree swallows ( <i>Tachycineta bicolor</i> ) through multiple exposure routes in active mining-related areas of the Athabasca oil sands region. <i>Science of the Total Environment</i> , <b>2018</b> , 624, 250-261	10.2	25
39	Organophosphate Esters in the Canadian Arctic Ocean. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 304-312	10.3	25
38	Flame retardant concentrations and profiles in wild birds associated with landfill: A critical review. <i>Environmental Pollution</i> , <b>2019</b> , 248, 646-658	9.3	24
37	Embryonic exposure to the polybrominated diphenyl ether mixture, DE-71, affects testes and circulating testosterone concentrations in adult American kestrels ( <i>Falco sparverius</i> ). <i>Toxicological Sciences</i> , <b>2011</b> , 121, 168-76	4.4	23
36	Developmental toxicity of in ovo exposure to polychlorinated biphenyls: I. Immediate and subsequent effects on first-generation nestling American kestrels ( <i>Falco sparverius</i> ). <i>Environmental Toxicology and Chemistry</i> , <b>2003</b> , 22, 554-560	3.8	22
35	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> , <b>2015</b> , 34, 1103-12	3.8	20
34	Microplastics in the diet of nestling double-crested cormorants ( <i>Phalacrocorax auritus</i> ), an obligate piscivore in a freshwater ecosystem. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>2019</b> , 76, 2156-2163	7.4	19
33	Population trends and calling phenology of anuran populations surveyed in Ontario estimated using acoustic surveys. <i>Biodiversity and Conservation</i> , <b>2006</b> , 15, 3481-3497	3.4	18
32	Polybrominated diphenyl ethers and multiple stressors influence the reproduction of free-ranging tree swallows ( <i>Tachycineta bicolor</i> ) nesting at wastewater treatment plants. <i>Science of the Total Environment</i> , <b>2014</b> , 472, 63-71	10.2	16
31	Reproductive and developmental changes in tree swallows ( <i>Tachycineta bicolor</i> ) are influenced by multiple stressors, including polycyclic aromatic compounds, in the Athabasca Oil Sands. <i>Environmental Pollution</i> , <b>2018</b> , 238, 931-941	9.3	15

30	Inhaling Benzene, Toluene, Nitrogen Dioxide, and Sulfur Dioxide, Disrupts Thyroid Function in Captive American Kestrels ( <i>Falco sparverius</i> ). <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 11311-11318	10.3	15
29	Sex-specific responses in neuroanatomy of hatchling American kestrels in response to embryonic exposure to the flame retardants bis(2-ethylhexyl)-2,3,4,5-tetrabromophthalate and 2-ethylhexyl-2,3,4,5-tetrabromobenzoate. <i>Environmental Toxicology and Chemistry</i> , <b>2018</b> , 37, 3032-3040	3.8	13
28	Brood patches of American kestrels altered by experimental exposure to PCBs. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2006</b> , 69, 1603-12	3.2	13
27	Developmental toxicity of in ovo exposure to polychlorinated biphenyls: II. Effects of maternal or paternal exposure on second-generation nestling American kestrels. <i>Environmental Toxicology and Chemistry</i> , <b>2003</b> , 22, 2688-94	3.8	12
26	In ovo exposure to brominated flame retardants Part II: Assessment of effects of TBBPA-BDBPE and BTBPE on hatching success, morphometric and physiological endpoints in American kestrels. <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 179, 151-159	7	10
25	Factors affecting germline mutations in a hypervariable microsatellite: a comparative analysis of six species of swallows ( <i>Aves: Hirundinidae</i> ). <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , <b>2011</b> , 708, 37-43	3.3	9
24	. <i>Environmental Toxicology and Chemistry</i> , <b>2003</b> , 22, 554	3.8	9
23	Changes in plasma retinol of American kestrels ( <i>Falco sparverius</i> ) in response to dietary or in ovo exposure to environmentally relevant concentrations of a penta-brominated diphenyl ether mixture, DE-71. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2010</b> , 73, 1645-54	3.2	8
22	Changes in the incubation by American kestrels ( <i>Falco sparverius</i> ) during exposure to the polybrominated diphenyl ether (PBDE) mixture DE-71. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2013</b> , 76, 978-89	3.2	7
21	A review of 1,2-dibromo-4-(1,2-dibromoethyl)cyclohexane in the environment and assessment of its persistence, bioaccumulation and toxicity. <i>Environmental Research</i> , <b>2021</b> , 195, 110497	7.9	7
20	Perfluoroalkyl acids and sulfonamides and dietary, biological and ecological associations in peregrine falcons from the Laurentian Great Lakes Basin, Canada. <i>Environmental Research</i> , <b>2020</b> , 191, 110151	7.9	6
19	DNA strand length and EROD activity in relation to two screening measures of genotoxic exposure in Great Lakes herring gulls. <i>Ecotoxicology</i> , <b>2005</b> , 14, 527-44	2.9	6
18	Is the current-use flame retardant, DBE-DBCH, a potential obesogen? Effects on body mass, fat content and associated behaviors in American kestrels. <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 169, 770-777	7	6
17	Transfer of hexabromocyclododecane flame retardant isomers from captive American kestrel eggs to feathers and their association with thyroid hormones and growth. <i>Environmental Pollution</i> , <b>2017</b> , 220, 441-451	9.3	4
16	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> , <b>2020</b> , 258, 113695	9.3	4
15	Climate change and mercury in the Arctic: Biotic interactions.. <i>Science of the Total Environment</i> , <b>2022</b> , 155221	10.2	4
14	The influence of global climate change on accumulation and toxicity of persistent organic pollutants and chemicals of emerging concern in Arctic food webs.. <i>Environmental Sciences: Processes and Impacts</i> , <b>2022</b> ,	4.3	3
13	Mercury, legacy and emerging POPs, and endocrine-behavioural linkages: Implications of Arctic change in a diving seabird.. <i>Environmental Research</i> , <b>2022</b> , 113190	7.9	3

12	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> , <b>2020</b> , 39, 565-573	3.8	2
11	Influence of perfluoroalkyl acids and other parameters on circulating thyroid hormones and immune-related microRNA expression in free-ranging nestling peregrine falcons. <i>Science of the Total Environment</i> , <b>2021</b> , 770, 145346	10.2	2
10	Female hatchling American kestrels have a larger hippocampus than males: A link with sexual size dimorphism?. <i>Behavioural Brain Research</i> , <b>2018</b> , 349, 98-101	3.4	2
9	The potential of aerial insectivores for monitoring microplastics in terrestrial environments. <i>Science of the Total Environment</i> , <b>2022</b> , 807, 150453	10.2	2
8	Thyroid disruption and oxidative stress in American kestrels following embryonic exposure to the alternative flame retardants, EHTBB and TBPH. <i>Environment International</i> , <b>2021</b> , 157, 106826	12.9	2
7	Interspecies comparisons of brominated flame retardants in relation to foraging ecology and behaviour of gulls frequenting a UK landfill. <i>Science of the Total Environment</i> , <b>2021</b> , 764, 142890	10.2	1
6	Establishment of baseline cytology metrics in nestling American kestrels ( <i>Falco sparverius</i> ): Immunomodulatory effects of the flame retardant isopropylated triarylphosphate isomers. <i>Environment International</i> , <b>2021</b> , 157, 106779	12.9	1
5	Population trends and calling phenology of anuran populations surveyed in Ontario estimated using acoustic surveys <b>2006</b> , 113-129		1
4	Developmental toxicity of in ovo exposure to polychlorinated biphenyls: I. Immediate and subsequent effects on first-generation nestling American kestrels ( <i>Falco sparverius</i> ). <i>Environmental Toxicology and Chemistry</i> , <b>2003</b> , 22, 554-60	3.8	1
3	Potential disruption of thyroid hormones by perfluoroalkyl acids in an Arctic seabird during reproduction.. <i>Environmental Pollution</i> , <b>2022</b> , 119181	9.3	1
2	A Critical Review of Bioaccumulation and Biotransformation of Organic Chemicals in Birds. <i>Reviews of Environmental Contamination and Toxicology</i> , <b>2022</b> , 260,	3.5	1
1	Co-contaminants of microplastics in two seabird species from the Canadian Arctic. <i>Environmental Science and Ecotechnology</i> , <b>2022</b> , 100189	7.4	0