

Kim J Fernie

List of Publications by Year in descending order

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65
papers

2,658
citations

172443

29
h-index

182417

51
g-index

65
all docs

65
docs citations

65
times ranked

2410
citing authors

#	ARTICLE	IF	CITATIONS
1	Levels and trends of PBDEs and HBCDs in the global environment: Status at the end of 2012. <i>Environment International</i> , 2014, 65, 147-158.	10.0	346
2	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> , 2005, 88, 375-383.	3.1	270
3	Environmentally Relevant Concentrations of DE-71 and HBCD Alter Eggshell Thickness and Reproductive Success of American Kestrels. <i>Environmental Science & Technology</i> , 2009, 43, 2124-2130.	10.0	114
4	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> , 2008, 102, 171-178.	3.1	106
5	Evidence of immunomodulation in nestling American kestrels (<i>Falco sparverius</i>) exposed to environmentally relevant PBDEs. <i>Environmental Pollution</i> , 2005, 138, 485-493.	7.5	104
6	Dechlorane Plus and Related Compounds in Peregrine Falcon (<i>Falco peregrinus</i>) Eggs from Canada and Spain. <i>Environmental Science & Technology</i> , 2011, 45, 1284-1290.	10.0	100
7	Emerging and historical brominated flame retardants in peregrine falcon (<i>Falco peregrinus</i>) eggs from Canada and Spain. <i>Environment International</i> , 2012, 40, 179-186.	10.0	87
8	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> , 2006, 69, 1541-1554.	2.3	86
9	Birds and flame retardants: A review of the toxic effects on birds of historical and novel flame retardants. <i>Environmental Research</i> , 2017, 154, 398-424.	7.5	85
10	Effect of sampling effort and species detectability on volunteer based anuran monitoring programs. <i>Biological Conservation</i> , 2005, 121, 585-594.	4.1	83
11	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> , 2005, 8, 127-140.	6.5	72
12	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, 3520-3526.	10.0	61
13	Air synthesis review: polycyclic aromatic compounds in the oil sands region. <i>Environmental Reviews</i> , 2018, 26, 430-468.	4.5	58
14	Organophosphate Esters in the Canadian Arctic Ocean. <i>Environmental Science & Technology</i> , 2021, 55, 304-312.	10.0	55
15	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> , 2014, 63, 182-190.	10.0	51
16	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> , 2015, 502, 8-15.	8.0	46
17	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> , 2017, 154, 389-397.	7.5	45
18	Occurrence of Triclocarban and Triclosan in an Agro-ecosystem Following Application of Biosolids. <i>Environmental Science & Technology</i> , 2016, 50, 13206-13214.	10.0	44

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19	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> , 2018, 624, 250-261.	8.0	39
20	Flame retardant concentrations and profiles in wild birds associated with landfill: A critical review. <i>Environmental Pollution</i> , 2019, 248, 646-658.	7.5	39
21	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> , 2010, 29, 1740-1747.	4.3	36
22	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> , 2011, 111, 1116-1123.	7.5	36
23	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 & Technology</i> , 2012, 46, 8440-8447.	10.0	35
24	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.	7.5	35
25	Reproductive Abnormalities, Teratogenicity, and Developmental Problems in American Kestrels (<i>Falco</i>) Tj ETQq1 1 0.784314 rgBT /Overl Part A: Current Issues, 2003, 66, 2089-2103.	2.3	34
26	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> , 2016, 35, 2084-2091.	4.3	34
27	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> , 2019, 76, 2156-2163.	1.4	34
28	Reproductive changes in American kestrels (<i>Falco sparverius</i>) in relation to exposure to technical hexabromocyclododecane flame retardant. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 2570-2575.	4.3	33
29	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> , 2022, 24, 1544-1576.	3.5	33
30	Dietary exposure to technical hexabromocyclododecane (HBCD) alters courtship, incubation and parental behaviors in American kestrels (<i>Falco sparverius</i>). <i>Chemosphere</i> , 2012, 89, 1077-1083.	8.2	29
31	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> , 2011, 121, 168-176.	3.1	25
32	Climate change and mercury in the Arctic: Biotic interactions. <i>Science of the Total Environment</i> , 2022, 834, 155221.	8.0	24
33	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> , 2003, 22, 554-560.	4.3	23
34	Population trends and calling phenology of anuran populations surveyed in Ontario estimated using acoustic surveys. <i>Biodiversity and Conservation</i> , 2006, 15, 3481-3497.	2.6	23
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> , 2015, 34, 1103-1112.	4.3	23
36	The potential of aerial insectivores for monitoring microplastics in terrestrial environments. <i>Science of the Total Environment</i> , 2022, 807, 150453.	8.0	22

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37	Inhaling Benzene, Toluene, Nitrogen Dioxide, and Sulfur Dioxide, Disrupts Thyroid Function in Captive American Kestrels (<i>Falco sparverius</i>). <i>Environmental Science & Technology</i> , 2016, 50, 11311-11318.	10.0	19
38	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> , 2014, 472, 63-71.	8.0	18
39	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> , 2018, 238, 931-941.	7.5	18
40	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> , 2018, 37, 3032-3040.	4.3	18
41	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> , 2019, 179, 151-159.	6.0	17
42	Co-contaminants of microplastics in two seabird species from the Canadian Arctic. <i>Environmental Science and Ecotechnology</i> , 2022, 12, 100189.	13.5	17
43	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> , 2021, 770, 145346.	8.0	15
44	Brood Patches of American Kestrels Altered by Experimental Exposure to PCBs. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2006, 69, 1603-1612.	2.3	14
45	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> , 2003, 22, 2688.	4.3	13
46	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.	7.5	13
47	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> , 2021, 195, 110497.	7.5	13
48	Mercury, legacy and emerging POPs, and endocrine-behavioural linkages: Implications of Arctic change in a diving seabird. <i>Environmental Research</i> , 2022, 212, 113190.	7.5	13
49	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> , 2011, 708, 37-43.	1.0	12
50	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> , 2019, 169, 770-777.	6.0	9
51	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.	7.5	9
52	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> , 2003, 22, 554.	4.3	9
53	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> , 2010, 73, 1645-1654.	2.3	8
54	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> , 2013, 76, 978-989.	2.3	8

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55	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> , 2021, 764, 142890.	8.0	8
56	Thyroid disruption and oxidative stress in American kestrels following embryonic exposure to the alternative flame retardants, EHTBB and TBPH. <i>Environment International</i> , 2021, 157, 106826.	10.0	7
57	DNA Strand Length and EROD Activity in Relation to Two Screening Measures of Genotoxic Exposure in Great Lakes Herring Gulls. <i>Ecotoxicology</i> , 2005, 14, 527-544.	2.4	6
58	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> , 2017, 220, 441-451.	7.5	5
59	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.	4.3	5
60	Potential disruption of thyroid hormones by perfluoroalkyl acids in an Arctic seabird during reproduction. <i>Environmental Pollution</i> , 2022, 305, 119181.	7.5	5
61	A Critical Review of Bioaccumulation and Biotransformation of Organic Chemicals in Birds. <i>Reviews of Environmental Contamination and Toxicology</i> , 2022, 260, .	1.3	3
62	Female hatchling American kestrels have a larger hippocampus than males: A link with sexual size dimorphism?. <i>Behavioural Brain Research</i> , 2018, 349, 98-101.	2.2	2
63	Population trends and calling phenology of anuran populations surveyed in Ontario estimated using acoustic surveys. , 2006, , 113-129.		2
64	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> , 2021, 157, 106779.	10.0	1
65	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> , 2003, 22, 554-60.	4.3	1