

Glen J Van Der Kraak

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37 papers	796 citations	15 h-index	28 g-index
38 ext. papers	921 ext. citations	4.4 avg, IF	3.89 L-index

#	Paper	IF	Citations
37	Effects of atrazine on fish, amphibians, and aquatic reptiles: a critical review. <i>Critical Reviews in Toxicology</i> , 2008 , 38, 721-72	5.7	187
36	Effects of atrazine in fish, amphibians, and reptiles: an analysis based on quantitative weight of evidence. <i>Critical Reviews in Toxicology</i> , 2014 , 44 Suppl 5, 1-66	5.7	81
35	Assessment of biomarkers for contaminants of emerging concern on aquatic organisms downstream of a municipal wastewater discharge. <i>Science of the Total Environment</i> , 2015 , 530-531, 140-153	10.2	68
34	Effects of atrazine on CYP19 gene expression and aromatase activity in testes and on plasma sex steroid concentrations of male African clawed frogs (<i>Xenopus laevis</i>). <i>Toxicological Sciences</i> , 2005 , 86, 273-80	4.4	60
33	Sex and status in a cooperative breeding fish: behavior and androgens. <i>Behavioral Ecology and Sociobiology</i> , 2008 , 62, 785-794	2.5	54
32	Critical comments on the WHO-UNEP State of the Science of Endocrine Disrupting Chemicals - 2012. <i>Regulatory Toxicology and Pharmacology</i> , 2014 , 69, 22-40	3.4	53
31	Behaviour and physiology of sockeye salmon homing through coastal waters to a natal river. <i>Marine Biology</i> , 2007 , 152, 905-918	2.5	47
30	Differential effects of 17 β -estradiol and 11-ketotestosterone on the endocrine stress response in zebrafish (<i>Danio rerio</i>). <i>General and Comparative Endocrinology</i> , 2011 , 170, 365-73	3	40
29	The role of eicosanoids in 17 β -Ethinodiol-induced ovulation and spawning in <i>Danio rerio</i> . <i>General and Comparative Endocrinology</i> , 2015 , 213, 50-8	3	26
28	Comments on the opinions published by Bergman et al. (2015) on Critical Comments on the WHO-UNEP State of the Science of Endocrine Disrupting Chemicals (Lamb et al., 2014). <i>Regulatory Toxicology and Pharmacology</i> , 2015 , 73, 754-7	3.4	20
27	Population impacts in white sucker (<i>Catostomus commersonii</i>) exposed to oil sands-derived contaminants in the Athabasca River. <i>Environmental Toxicology and Chemistry</i> , 2017 , 36, 2058-2067	3.8	19
26	Accumulation of Hormonally Active Substances by Wild White Sucker (<i>Catostomus commersoni</i>) Exposed to Effluents Discharged to the Wabigoon River. <i>Water Quality Research Journal of Canada</i> , 2005 , 40, 315-327	1.7	17
25	Naphthenic Acid Mixtures from Oil Sands Process-Affected Water Enhance Differentiation of Mouse Embryonic Stem Cells and Affect Development of the Heart. <i>Environmental Science & Technology</i> , 2015 , 49, 10165-72	10.3	16
24	Effects of atrazine on fish, amphibians, and reptiles: update of the analysis based on quantitative weight of evidence. <i>Critical Reviews in Toxicology</i> , 2019 , 49, 670-709	5.7	16
23	Does GLP enhance the quality of toxicological evidence for regulatory decisions?. <i>Toxicological Sciences</i> , 2016 , 151, 206-13	4.4	15
22	The Relationship between Organic Loading and Effects on Fish Reproduction for Pulp Mill Effluents across Canada. <i>Environmental Science & Technology</i> , 2017 , 51, 3499-3507	10.3	8
21	Short-term effects of cortisol implantation on blood biochemistry and thyroid hormones in previtellogenic great sturgeon <i>Huso huso</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2015 , 179, 197-203	2.6	8

20	Acute exposure to bis(2-ethylhexyl)phthalate disrupts calcium homeostasis, energy metabolism and induces oxidative stress in the testis of <i>Danio rerio</i> . <i>Biochimie</i> , 2020 , 175, 23-33	4.6	8
19	Inhibition of spawning in zebrafish (<i>Danio rerio</i>): Adverse outcome pathways of quinacrine and ethinylestradiol. <i>General and Comparative Endocrinology</i> , 2015 , 219, 89-101	3	7
18	Investigating the role of prostaglandin receptor isoform EP4b in zebrafish ovulation. <i>General and Comparative Endocrinology</i> , 2019 , 283, 113228	3	7
17	The inhibitory control of oocyte maturation in the zebrafish (<i>Danio rerio</i>): the role of the G protein-coupled estrogen receptor and epidermal growth factor. <i>Biology of Reproduction</i> , 2011 , 85, 6-8	3.9	7
16	Role of bisphenol A on calcium influx and its potential toxicity on the testis of <i>Danio rerio</i> . <i>Ecotoxicology and Environmental Safety</i> , 2020 , 202, 110876	7	6
15	Dibutyl phthalate rapidly alters calcium homeostasis in the gills of <i>Danio rerio</i> . <i>Chemosphere</i> , 2020 , 258, 127408	8.4	5
14	Exposure to a Brazilian pulp mill effluent impacts the testis and liver in the zebrafish. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2018 , 206-207, 41-47	3.2	3
13	Atrazine and its degradates have little effect on the corticosteroid stress response in the zebrafish. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2015 , 170, 1-7	3.2	3
12	Response to Kortenkamp et al. Rebuttal. <i>Critical Reviews in Toxicology</i> , 2012 , 42, 790-791	5.7	3
11	Survival and iono-regulatory performance in Atlantic salmon smolts is not affected by atrazine exposure. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010 , 152, 379-84	3.2	3
10	A Brazilian pulp and paper mill effluent disrupts energy metabolism in immature rat testis and alters Sertoli cell secretion and mitochondrial activity. <i>Animal Reproduction</i> , 2020 , 17, e20190116	1.7	2
9	Pyriproxyfen induces intracellular calcium overload and alters antioxidant defenses in <i>Danio rerio</i> testis that may influence ongoing spermatogenesis. <i>Environmental Pollution</i> , 2021 , 270, 116055	9.3	2
8	ADAMTS1 is regulated by the EP4 receptor in the zebrafish ovary. <i>General and Comparative Endocrinology</i> , 2021 , 311, 113835	3	2
7	Oxidative ecology of paternal care in wild smallmouth bass,. <i>Journal of Experimental Biology</i> , 2017 , 220, 1905-1914	3	1
6	Assessing recovery of in vitro steroid production in male rainbow darter (<i>Etheostoma caeruleum</i>) in response to municipal wastewater treatment plant infrastructure changes. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 501-514	3.8	1
5	Nuclear progesterone receptor regulates ptger4b and PLA2G4A expression in zebrafish (<i>Danio rerio</i>) ovulation. <i>General and Comparative Endocrinology</i> , 2021 , 311, 113842	3	1
4	In vivo and in vitro short-term bisphenol A exposures disrupt testicular energy metabolism and negatively impact spermatogenesis in zebrafish. <i>Reproductive Toxicology</i> , 2021 , 107, 10-21	3.4	0
3	Assessment of risks to listed species from the use of atrazine in the USA: a perspective. <i>Journal of Toxicology and Environmental Health - Part B: Critical Reviews</i> , 2021 , 24, 223-306	8.6	0

- 2 Calcium influx and spermatogenesis in the testis and liver enzyme activities in the zebrafish are rapidly modulated by the calcium content of the water.. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2022**, 270, 111227 2.6 ○
- 1 Triterpene betulin may be involved in the acute effects of pulp and paper mill effluent on testis physiology in zebrafish. *Toxicology in Vitro*, **2021**, 73, 105147 3.6