Christopher J Martyniuk

List of Publications by Citations

250 papers	4,520 citations	36 h-index	51 g-index
270 ext. papers	5,626 ext. citations	4.9 avg, IF	6.16 L-index

#	Paper	IF	Citations
250	The goldfish (Carassius auratus) as a model for neuroendocrine signaling. *Molecular and Cellular Endocrinology*, **2008**, 293, 43-56	4.4	134
249	Auto-regulation of estrogen receptor subtypes and gene expression profiling of 17beta-estradiol action in the neuroendocrine axis of male goldfish. *Molecular and Cellular Endocrinology*, **2008**, 283, 38-48	4.4	108
248	Intersex in teleost fish: are we distinguishing endocrine disruption from natural phenomena?. *General and Comparative Endocrinology*, **2013**, 192, 25-35	3	107
247	Effects of fluoxetine on the reproductive axis of female goldfish (Carassius auratus). *Physiological Genomics*, **2008**, 35, 273-82	3.6	105
246	Microarray analysis in the zebrafish (Danio rerio) liver and telencephalon after exposure to low concentration of 17alpha-ethinylestradiol. *Aquatic Toxicology*, **2007**, 84, 38-49	5.1	103
245	Current concepts in neuroendocrine disruption. *General and Comparative Endocrinology*, **2014**, 203, 158-173	3	92
244	The bioelectric code: An ancient computational medium for dynamic control of growth and form. *BioSystems*, **2018**, 164, 76-93	1.9	82
243	Gene expression profiling in the neuroendocrine brain of male goldfish (Carassius auratus) exposed to 17alpha-ethinylestradiol. *Physiological Genomics*, **2006**, 27, 328-36	3.6	71
242	Transgenerational hypocortisolism and behavioral disruption are induced by the antidepressant fluoxetine in male zebrafish. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E12435-E12442	11.5	64
241	Paraquat affects mitochondrial bioenergetics, dopamine system expression, and locomotor activity in zebrafish (Danio rerio). *Chemosphere*, **2018**, 191, 106-117	8.4	63
240	Sediment contaminated with the Azo Dye disperse yellow 7 alters cellular stress- and androgen-related transcription in Silurana tropicalis larvae. *Environmental Science & Technology*, **2014**, 48, 2952-61	10.3	63
239	Molecular mechanism of glyceraldehyde-3-phosphate dehydrogenase inactivation by α,β-unsaturated carbonyl derivatives. *Chemical Research in Toxicology*, **2011**, 24, 2302-11	4	61
238	The gut microbiome and aquatic toxicology: An emerging concept for environmental health. *Environmental Toxicology and Chemistry*, **2018**, 37, 2758-2775	3.8	54
237	Defining the role of omics in assessing ecosystem health: Perspectives from the Canadian environmental monitoring program. *Environmental Toxicology and Chemistry*, **2016**, 35, 20-35	3.8	51
236	Omics for aquatic ecotoxicology: control of extraneous variability to enhance the analysis of environmental effects. *Environmental Toxicology and Chemistry*, **2015**, 34, 1693-704	3.8	48
235	Applications for next-generation sequencing in fish ecotoxicogenomics. *Frontiers in Genetics*, **2012**, 3, 62	4.5	47
234	DIGE and iTRAQ as biomarker discovery tools in aquatic toxicology. *Ecotoxicology and Environmental Safety*, **2012**, 76, 3-10	7	46

233	Quercetin, a natural product supplement, impairs mitochondrial bioenergetics and locomotor behavior in larval zebrafish (Danio rerio). *Toxicology and Applied Pharmacology*, **2017**, 327, 30-38	4.6	44
232	Whole organism responses and intersex severity in rainbow darter (Etheostoma caeruleum) following exposures to municipal wastewater in the Grand River basin, ON, Canada. Part A. *Aquatic Toxicology*, **2015**, 159, 290-301	5.1	42
231	Exploring androgen-regulated pathways in teleost fish using transcriptomics and proteomics. *Integrative and Comparative Biology*, **2012**, 52, 695-704	2.8	42
230	Genome-wide analysis reveals conserved transcriptional responses downstream of resting potential change in Xenopus embryos, axolotl regeneration, and human mesenchymal cell differentiation. *Regeneration (Oxford, England)*, **2016**, 3, 3-25		42
229	High-throughput assessment of oxidative respiration in fish embryos: Advancing adverse outcome pathways for mitochondrial dysfunction. *Aquatic Toxicology*, **2018**, 199, 162-173	5.1	41
228	Gene expression networks underlying ovarian development in wild largemouth bass (Micropterus salmoides). *PLoS ONE*, **2013**, 8, e59093	3.7	41
227	Impaired butyrate absorption in the proximal colon, low serum butyrate and diminished central effects of butyrate on blood pressure in spontaneously hypertensive rats. *Acta Physiologica*, **2019**, 226, e13256	5.6	41
226	Organochlorine pesticides: Agrochemicals with potent endocrine-disrupting properties in fish. *Molecular and Cellular Endocrinology*, **2020**, 507, 110764	4.4	40
225	Quantitative proteomic profiles of androgen receptor signaling in the liver of fathead minnows (Pimephales promelas). *Journal of Proteome Research*, **2009**, 8, 2186-200	5.6	40
224	Metabolic consequences of microRNA-122 inhibition in rainbow trout, Oncorhynchus mykiss. *BMC Genomics*, **2014**, 15, 70	4.5	39
223	Molecular signatures in rainbow darter (Etheostoma caeruleum) inhabiting an urbanized river reach receiving wastewater effluents. *Aquatic Toxicology*, **2014**, 148, 211-20	5.1	39
222	Dietary exposure of 17-alpha ethinylestradiol modulates physiological endpoints and gene signaling pathways in female largemouth bass (Micropterus salmoides). *Aquatic Toxicology*, **2014**, 156, 148-60	5.1	38
221	Current perspectives on the androgen 5 alpha-dihydrotestosterone (DHT) and 5 alpha-reductases in teleost fishes and amphibians. *General and Comparative Endocrinology*, **2013**, 194, 264-74	3	38
220	Gene expression changes in female zebrafish (Danio rerio) brain in response to acute exposure to methylmercury. *Environmental Toxicology and Chemistry*, **2011**, 30, 301-8	3.8	38
219	Serotonergic regulation of melanocyte conversion: A bioelectrically regulated network for stochastic all-or-none hyperpigmentation. *Science Signaling*, **2015**, 8, ra99	8.8	37
218	Is secretoneurin a new hormone?. *General and Comparative Endocrinology*, **2012**, 175, 10-8	3	37
217	Genomic and proteomic responses to environmentally relevant exposures to dieldrin: indicators of neurodegeneration?. *Toxicological Sciences*, **2010**, 117, 190-9	4.4	37
216	Effects of acute dieldrin exposure on neurotransmitters and global gene transcription in largemouth bass (Micropterus salmoides) hypothalamus. *NeuroToxicology*, **2010**, 31, 356-66	4.4	37

215	Towards functional genomics in fish using quantitative proteomics. *General and Comparative Endocrinology*, **2009**, 164, 135-41	3	37
214	Seasonal relationship between gonadotropin, growth hormone, and estrogen receptor mRNA expression in the pituitary gland of largemouth bass. *General and Comparative Endocrinology*, **2009**, 163, 306-17	3	36
213	Genome wide analysis of Silurana (Xenopus) tropicalis development reveals dynamic expression using network enrichment analysis. *Mechanisms of Development*, **2013**, 130, 304-22	1.7	34
212	Tributyltin induces premature hatching and reduces locomotor activity in zebrafish (Danio rerio) embryos/larvae at environmentally relevant levels. *Chemosphere*, **2017**, 189, 498-506	8.4	34
211	Molecular pathways associated with the intersex condition in rainbow darter (Etheostoma caeruleum) following exposures to municipal wastewater in the Grand River basin, ON, Canada. Part B. *Aquatic Toxicology*, **2015**, 159, 302-16	5.1	34
210	Environmentally relevant exposure to 17alpha-ethinylestradiol affects the telencephalic proteome of male fathead minnows. *Aquatic Toxicology*, **2010**, 98, 344-53	5.1	34
209	Molecular networks related to the immune system and mitochondria are targets for the pesticide dieldrin in the zebrafish (Danio rerio) central nervous system. *Journal of Proteomics*, **2017**, 157, 71-82	3.9	32
208	Using generalized procrustes analysis (GPA) for normalization of cDNA microarray data. *BMC Bioinformatics*, **2008**, 9, 25	3.6	32
207	Biological effects of the benzotriazole ultraviolet stabilizers UV-234 and UV-320 in early-staged zebrafish (Danio rerio). *Environmental Pollution*, **2019**, 245, 272-281	9.3	32
206	Mitochondrial bioenergetics and locomotor activity are altered in zebrafish (Danio rerio) after exposure to the bipyridylium herbicide diquat. *Toxicology Letters*, **2018**, 283, 13-20	4.4	32
205	Biological impacts of organophosphates chlorpyrifos and diazinon on development, mitochondrial bioenergetics, and locomotor activity in zebrafish (Danio rerio). *Neurotoxicology and Teratology*, **2018**, 70, 18-27	3.9	32
204	Defining global neuroendocrine gene expression patterns associated with reproductive seasonality in fish. *PLoS ONE*, **2009**, 4, e5816	3.7	31
203	Rapid dopaminergic modulation of the fish hypothalamic transcriptome and proteome. *PLoS ONE*, **2010**, 5, e12338	3.7	31
202	Hepatic protein expression networks associated with masculinization in the female fathead minnow (Pimephales promelas). *Journal of Proteome Research*, **2012**, 11, 4147-61	5.6	29
201	Developmental toxicity of the triazole fungicide cyproconazole in embryo-larval stages of zebrafish (Danio rerio). *Environmental Science and Pollution Research*, **2019**, 26, 4913-4923	5.1	29
200	Sub-lethal effects of the triazole fungicide propiconazole on zebrafish (Danio rerio) development, oxidative respiration, and larval locomotor activity. *Neurotoxicology and Teratology*, **2019**, 74, 106809	3.9	28
199	Fluazinam impairs oxidative phosphorylation and induces hyper/hypo-activity in a dose specific manner in zebrafish larvae. *Chemosphere*, **2018**, 210, 633-644	8.4	28
198	Quantitative proteomics in teleost fish: insights and challenges for neuroendocrine and neurotoxicology research. *General and Comparative Endocrinology*, **2012**, 176, 314-20	3	28

197	Profiling neuroendocrine gene expression changes following fadrozole-induced estrogen decline in the female goldfish. *Physiological Genomics*, **2009**, 38, 351-61	3.6	28
196	Benzotriazole ultraviolet stabilizers alter the expression of the thyroid hormone pathway in zebrafish (Danio rerio) embryos. *Chemosphere*, **2017**, 182, 22-30	8.4	27
195	Aquatic contaminants alter genes involved in neurotransmitter synthesis and gonadotropin release in largemouth bass. *Aquatic Toxicology*, **2009**, 95, 1-9	5.1	27
194	Glutamic acid decarboxylase 65, 67, and GABA-transaminase mRNA expression and total enzyme activity in the goldfish (Carassius auratus) brain. *Brain Research*, **2007**, 1147, 154-66	3.7	27
193	Developmental neurotoxicity of maneb: Notochord defects, mitochondrial dysfunction and hypoactivity in zebrafish (Danio rerio) embryos and larvae. *Ecotoxicology and Environmental Safety*, **2019**, 170, 227-237	7	27
192	Developmental toxicity of the fungicide ziram in zebrafish (Danio rerio). *Chemosphere*, **2019**, 214, 303-318	8.4	27
191	The effects of 17-Ξthinylestradiol (EE2) on molecular signaling cascades in mummichog (Fundulus heteroclitus). *Aquatic Toxicology*, **2013**, 134-135, 34-46	5.1	26
190	Microbiome Composition and Function in Aquatic Vertebrates: Small Organisms Making Big Impacts on Aquatic Animal Health. *Frontiers in Microbiology*, **2021**, 12, 567408	5.7	26
189	Effects of dechlorane plus on the hepatic proteome of juvenile Chinese sturgeon (Acipenser sinensis). *Aquatic Toxicology*, **2014**, 148, 83-91	5.1	25
188	Molecular responses of Walleye (Sander vitreus) embryos to naphthenic acid fraction components extracted from fresh oil sands process-affected water. *Aquatic Toxicology*, **2017**, 182, 11-19	5.1	25
187	Protein targets of acrylamide adduct formation in cultured rat dopaminergic cells. *Toxicology Letters*, **2013**, 219, 279-87	4.4	25
186	Brief Local Application of Progesterone via a Wearable Bioreactor Induces Long-Term Regenerative Response in Adult Xenopus Hindlimb. *Cell Reports*, **2018**, 25, 1593-1609.e7	10.6	25
185	Linking Mitochondrial Dysfunction to Organismal and Population Health in the Context of Environmental Pollutants: Progress and Considerations for Mitochondrial Adverse Outcome Pathways. *Environmental Toxicology and Chemistry*, **2019**, 38, 1625-1634	3.8	24
184	Parental exposure to azoxystrobin causes developmental effects and disrupts gene expression in F1 embryonic zebrafish (Danio rerio). *Science of the Total Environment*, **2019**, 646, 595-605	10.2	23
183	Sexually dimorphic transcriptomic responses in the teleostean hypothalamus: a case study with the organochlorine pesticide dieldrin. *NeuroToxicology*, **2013**, 34, 105-17	4.4	23
182	Methoxychlor affects multiple hormone signaling pathways in the largemouth bass (Micropterus salmoides) liver. *Aquatic Toxicology*, **2011**, 101, 483-92	5.1	23
181	GABAergic modulation of the expression of genes involved in GABA synaptic transmission and stress in the hypothalamus and telencephalon of the female goldfish (Carassius auratus). *Journal of Neuroendocrinology*, **2005**, 17, 269-75	3.8	23
180	Regulation of endocrine systems by the microbiome: Perspectives from comparative animal models. *General and Comparative Endocrinology*, **2020**, 292, 113437	3	21

179	Are we closer to the vision? A proposed framework for incorporating omics into environmental assessments. *Environmental Toxicology and Pharmacology*, **2018**, 59, 87-93	5.8	21
178	Classifying chemical mode of action using gene networks and machine learning: a case study with the herbicide linuron. *Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, **2013**, 8, 263-74	2	21
177	Transcriptomic profiling of progesterone in the male fathead minnow (Pimephales promelas) testis. *General and Comparative Endocrinology*, **2013**, 192, 115-25	3	21
176	High contaminant loads in Lake Apopka's riparian wetland disrupt gene networks involved in reproduction and immune function in largemouth bass. *Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, **2016**, 19, 140-150	2	21
175	Elucidating Conserved Transcriptional Networks Underlying Pesticide Exposure and Parkinson's Disease: A Focus on Chemicals of Epidemiological Relevance. *Frontiers in Genetics*, **2018**, 9, 701	4.5	21
174	Dichloroacetate-induced peripheral neuropathy. *International Review of Neurobiology*, **2019**, 145, 211-238	4.4	20
173	Brain quantitative proteomic responses reveal new insight of benzotriazole neurotoxicity in female Chinese rare minnow (Gobiocypris rarus). *Aquatic Toxicology*, **2016**, 181, 67-75	5.1	20
172	Dietary selenium disrupts hepatic triglyceride stores and transcriptional networks associated with growth and Notch signaling in juvenile rainbow trout. *Aquatic Toxicology*, **2016**, 180, 103-114	5.1	20
171	Exposure to Deepwater Horizon oil and Corexit 9500 at low concentrations induces transcriptional changes and alters immune transcriptional pathways in sheepshead minnows. *Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, **2017**, 23, 8-16	2	19
170	Butyrate regulates inflammatory cytokine expression without affecting oxidative respiration in primary astrocytes from spontaneously hypertensive rats. *Physiological Reports*, **2018**, 6, e13732	2.6	19
169	Histopathological and proteomic responses in male Chinese rare minnow (Gobiocypris rarus) indicate hepatotoxicity following benzotriazole exposure. *Environmental Pollution*, **2017**, 229, 459-469	9.3	19
168	Chronic exposure of Rana pipiens tadpoles to UVB radiation and the estrogenic chemical 4-tert-octylphenol. *Journal of Toxicology and Environmental Health - Part A: Current Issues*, **2008**, 71, 134-44	2.2	19
167	Toxicity assessment of the herbicide acetochlor in the human liver carcinoma (HepG2) cell line. *Chemosphere*, **2020**, 243, 125345	8.4	19
166	Relationship between acute and chronic toxicity for prevalent organic pollutants in Vibrio fischeri based upon chemical mode of action. *Journal of Hazardous Materials*, **2017**, 338, 458-465	12.8	18
165	Environmental toxicology and omics: A question of sex. *Journal of Proteomics*, **2018**, 172, 152-164	3.9	18
164	Transcriptomics profiling and steroid production in mummichog (Fundulus heteroclitus) testes after treatment with 5α-dihydrotestosterone. *General and Comparative Endocrinology*, **2014**, 203, 106-19	3	18
163	Shifts in the Gut Microbiota Composition Due to Depleted Bone Marrow Beta Adrenergic Signaling Are Associated with Suppressed Inflammatory Transcriptional Networks in the Mouse Colon. *Frontiers in Physiology*, **2017**, 8, 220	4.6	18
162	The effects of GABA agonists on glutamic acid decarboxylase, GABA-transaminase, activin, salmon gonadotrophin-releasing hormone and tyrosine hydroxylase mRNA in the goldfish (Carassius auratus) neuroendocrine brain. *Journal of Neuroendocrinology*, **2007**, 19, 390-6	3.8	18

161	Spheroid growth in ovarian cancer alters transcriptome responses for stress pathways and epigenetic responses. *PLoS ONE*, **2017**, 12, e0182930	3.7	18
160	Long-Term Exposure to Environmental Concentrations of Azoxystrobin Delays Sexual Development and Alters Reproduction in Zebrafish (Danio rerio). *Environmental Science & Technology*, **2019**, 53, 1672-1679	10.3	18
159	Tebuconazole reduces basal oxidative respiration and promotes anxiolytic responses and hypoactivity in early-staged zebrafish (Danio rerio). *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2019**, 217, 87-97	3.2	18
158	Evaluation of Microbiome-Host Relationships in the Zebrafish Gastrointestinal System Reveals Adaptive Immunity Is a Target of Bis(2-ethylhexyl) Phthalate (DEHP) Exposure. *Environmental Science & Technology*, **2020**, 54, 5719-5728	10.3	18
157	Bioelectric regulation of innate immune system function in regenerating and intact. *Npj Regenerative Medicine*, **2017**, 2, 15	15.8	17
156	Antineoplastic Agents: Environmental Prevalence and Adverse Outcomes in Aquatic Organisms. *Environmental Toxicology and Chemistry*, **2020**, 39, 967-985	3.8	17
155	Domperidone upregulates dopamine receptor expression and stimulates locomotor activity in larval zebrafish (Danio rerio). *Genes, Brain and Behavior*, **2018**, 17, e12460	3.6	17
154	Early evolution of ionotropic GABA receptors and selective regimes acting on the mammalian-specific theta and epsilon subunits. *PLoS ONE*, **2007**, 2, e894	3.7	17
153	Carbamazepine disrupts molting hormone signaling and inhibits molting and growth of Eriocheir sinensis at environmentally relevant concentrations. *Aquatic Toxicology*, **2019**, 208, 138-145	5.1	16
152	Part B: Morphometric and transcriptomic responses to sub-chronic exposure to the polycyclic aromatic hydrocarbon phenanthrene in the fathead minnow (Pimephales promelas). *Aquatic Toxicology*, **2018**, 199, 77-89	5.1	16
151	Molecular initiating events of the intersex phenotype: Low-dose exposure to 17Ethinylestradiol rapidly regulates molecular networks associated with gonad differentiation in the adult fathead minnow testis. *Aquatic Toxicology*, **2016**, 181, 46-56	5.1	16
150	Molecular responses to 17estradiol in early life stage salmonids. *General and Comparative Endocrinology*, **2014**, 203, 203-14	3	16
149	Loss of bone marrow adrenergic beta 1 and 2 receptors modifies transcriptional networks, reduces circulating inflammatory factors, and regulates blood pressure. *Physiological Genomics*, **2016**, 48, 526-36	3.6	16
148	How consistent are we? Interlaboratory comparison study in fathead minnows using the model estrogen 17Ethinylestradiol to develop recommendations for environmental transcriptomics. *Environmental Toxicology and Chemistry*, **2017**, 36, 2614-2623	3.8	15
147	Transcriptional signature of progesterone in the fathead minnow ovary (Pimephales promelas). *General and Comparative Endocrinology*, **2013**, 192, 159-69	3	15
146	Physiological and molecular responses of juvenile shortnose sturgeon (Acipenser brevirostrum) to thermal stress. *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2017**, 203, 314-321	2.6	15
145	Methylmercury-induced changes in gene transcription associated with neuroendocrine disruption in largemouth bass (Micropterus salmoides). *General and Comparative Endocrinology*, **2014**, 203, 215-224	3	15
144	Environmentally relevant concentrations of carbamazepine induce liver histopathological changes and a gender-specific response in hepatic proteome of Chinese rare minnows (Gobiocypris rarus). *Environmental Pollution*, **2018**, 243, 480-491	9.3	15

143	Part A: Temporal and dose-dependent transcriptional responses in the liver of fathead minnows following short term exposure to the polycyclic aromatic hydrocarbon phenanthrene. *Aquatic Toxicology*, **2018**, 199, 90-102	5.1	14
142	Returning to normal? Assessing transcriptome recovery over time in male rainbow darter (Etheostoma caeruleum) liver in response to wastewater-treatment plant upgrades. *Environmental Toxicology and Chemistry*, **2017**, 36, 2108-2122	3.8	13
141	Label-free and iTRAQ proteomics analysis in the liver of zebrafish (Danio rerio) following dietary exposure to the organochlorine pesticide dieldrin. *Journal of Proteomics*, **2019**, 202, 103362	3.9	13
140	Gastrointestinal dysbiosis following diethylhexyl phthalate exposure in zebrafish (Danio rerio): Altered microbial diversity, functionality, and network connectivity. *Environmental Pollution*, **2020**, 265, 114496	9.3	13
139	Progesterone increases ex vivo testosterone production and decreases the expression of progestin receptors and steroidogenic enzymes in the fathead minnow (Pimephales promelas) ovary. *General and Comparative Endocrinology*, **2014**, 199, 16-25	3	13
138	The effects of the urea-based herbicide linuron on reproductive endpoints in the fathead minnow (Pimephales promelas). *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2013**, 157, 24-32	3.2	13
137	Proteome analysis of the fathead minnow (Pimephales promelas) reproductive testes. *Journal of Proteomics*, **2013**, 79, 28-42	3.9	13
136	Estrogen-responsive gene networks in the teleost liver: What are the key molecular indicators?. *Environmental Toxicology and Pharmacology*, **2017**, 56, 366-374	5.8	13
135	Twenty years of transcriptomics, 17alpha-ethinylestradiol, and fish. *General and Comparative Endocrinology*, **2020**, 286, 113325	3	13
134	Examining the responses of the zebrafish (Danio rerio) gastrointestinal system to the suspected obesogen diethylhexyl phthalate. *Environmental Pollution*, **2019**, 245, 1086-1094	9.3	13
133	Biological responses to phenylurea herbicides in fish and amphibians: New directions for characterizing mechanisms of toxicity. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2017**, 194, 9-21	3.2	12
132	Neurotoxicity assessment of triazole fungicides on mitochondrial oxidative respiration and lipids in differentiated human SH-SY5Y neuroblastoma cells. *NeuroToxicology*, **2020**, 80, 76-86	4.4	12
131	Toward an adverse outcome pathway for impaired growth: Mitochondrial dysfunction impairs growth in early life stages of the fathead minnow (Pimephales promelas). *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2018**, 209, 46-53	3.2	12
130	Hepatic gene expression profiling in zebrafish (Danio rerio) exposed to the fungicide chlorothalonil. *Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, **2016**, 19, 102-111	2	12
129	Amino-butyric acid (GABA) receptor subunit and transporter expression in the gonad and liver of the fathead minnow (Pimephales promelas). *Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology*, **2013**, 166, 119-27	2.6	12
128	Dieldrin-induced neurotoxicity involves impaired mitochondrial bioenergetics and an endoplasmic reticulum stress response in rat dopaminergic cells. *NeuroToxicology*, **2017**, 63, 1-12	4.4	12
127	Optimal alpha reduces error rates in gene expression studies: a meta-analysis approach. *BMC Bioinformatics*, **2017**, 18, 312	3.6	12
126	Size-at-age and body condition of juvenile American lobsters (Homarus americanus) living on cobble and mud in a mixed-bottom embayment in the Bay of Fundy. *Marine Biology*, **2015**, 162, 69-79	2.5	12

125	Butylated hydroxytoluene induces hyperactivity and alters dopamine-related gene expression in larval zebrafish (Danio rerio). *Environmental Pollution*, **2020**, 257, 113624	9.3	12
124	How Does Reference Site Selection Influence Interpretation of Omics Data?: Evaluating Liver Transcriptome Responses in Male Rainbow Darter (Etheostoma caeruleum) across an Urban Environment. *Environmental Science & Technology*, **2017**, 51, 6470-6479	10.3	11
123	Toxicity of functionalized fullerene and fullerene synthesis chemicals. *Chemosphere*, **2018**, 207, 1-9	8.4	11
122	Transcriptional networks associated with the immune system are disrupted by organochlorine pesticides in largemouth bass (Micropterus salmoides) ovary. *Aquatic Toxicology*, **2016**, 177, 405-16	5.1	11
121	Adsorption performance of SO2 over ZnAl2O4 nanospheres. *Journal of Industrial and Engineering Chemistry*, **2016**, 41, 151-157	6.3	11
120	Molecular and behavioral responses of zebrafish embryos/larvae after sertraline exposure. *Ecotoxicology and Environmental Safety*, **2021**, 208, 111700	7	11
119	The legacy pesticide dieldrin acts as a teratogen and alters the expression of dopamine transporter and dopamine receptor 2a in zebrafish (Danio rerio) embryos. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2017**, 194, 37-47	3.2	10
118	Dieldrin Augments mTOR Signaling and Regulates Genes Associated with Cardiovascular Disease in the Adult Zebrafish Heart (). *Journal of Pharmacology and Experimental Therapeutics*, **2017**, 361, 375-385	4.7	10
117	Single-walled carbon nanotubes repress viral-induced defense pathways through oxidative stress. *Nanotoxicology*, **2019**, 13, 1176-1196	5.3	10
116	Profiling the rainbow trout hepatic miRNAome under diet-induced hyperglycemia. *Physiological Genomics*, **2019**, 51, 411-431	3.6	10
115	Differential transcriptome regulation by 3,5-T2 and 3$3,5-T3 in brain and liver uncovers novel roles for thyroid hormones in tilapia. *Scientific Reports*, **2017**, 7, 15043	4.9	10
114	Cloning and expression of the translocator protein (18 kDa), voltage-dependent anion channel, and diazepam binding inhibitor in the gonad of largemouth bass (Micropterus salmoides) across the reproductive cycle. *General and Comparative Endocrinology*, **2011**, 173, 86-95	3	10
113	Investigation into the sub-lethal effects of the triazole fungicide triticonazole in zebrafish (Danio rerio) embryos/larvae. *Environmental Toxicology*, **2020**, 35, 254-267	4.2	10
112	The pyrethroid esfenvalerate induces hypoactivity and decreases dopamine transporter expression in embryonic/larval zebrafish (Danio rerio). *Chemosphere*, **2020**, 243, 125416	8.4	10
111	The agrochemical S-metolachlor disrupts molecular mediators and morphology of the swim bladder: Implications for locomotor activity in zebrafish (Danio rerio). *Ecotoxicology and Environmental Safety*, **2021**, 208, 111641	7	10
110	Cu promoted hydrotalcite-based NiAl mixed oxides in adsoption and oxidation of SO2 reaction: Experimental and theoretical study. *Separation and Purification Technology*, **2018**, 207, 231-239	8.3	10
109	Response of oxidative stress transcripts in the brain of wild yellow perch (Perca flavescens) exposed to an environmental gradient of methylmercury. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2017**, 192, 50-58	3.2	9
108	Assessing the toxicity of the benzamide fungicide zoxamide in zebrafish (Danio rerio): Towards an adverse outcome pathway for beta-tubulin inhibitors. *Environmental Toxicology and Pharmacology*, **2020**, 78, 103405	5.8	9

107	Morphometric and proteomic responses of early-life stage rainbow trout (Oncorhynchus mykiss) to the aquatic herbicide diquat dibromide. *Aquatic Toxicology*, **2020**, 222, 105446	5.1	9
106	Transcriptional networks associated with 5-alpha-dihydrotestosterone in the fathead minnow (Pimephales promelas) ovary. *General and Comparative Endocrinology*, **2016**, 225, 23-32	3	9
105	Meta-type analysis of dopaminergic effects on gene expression in the neuroendocrine brain of female goldfish. *Frontiers in Endocrinology*, **2012**, 3, 130	5.7	9
104	Computational in Vitro Toxicology Uncovers Chemical Structures Impairing Mitochondrial Membrane Potential. *Journal of Chemical Information and Modeling*, **2019**, 59, 702-712	6.1	9
103	Transcriptional networks in rodent models support a role for gut-brain communication in neurogenic hypertension: a review of the evidence. *Physiological Genomics*, **2017**, 49, 327-338	3.6	8
102	The pesticide dieldrin disrupts proteins related to oxidative respiration and mitochondrial stress in the central nervous system. *Data in Brief*, **2017**, 11, 628-633	1.2	8
101	Molecular impacts of perfluorinated chemicals (PFASs) in the liver and testis of male largemouth bass (Micropterus salmoides) in Minnesota Lakes. *Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, **2016**, 19, 129-139	2	8
100	Pyruvate carboxylase as a sensitive protein biomarker for exogenous steroid chemicals. *Environmental Pollution*, **2014**, 189, 184-93	9.3	8
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