

Christopher J Martyniuk

List of Publications by Year in Descending Order

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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.

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	Molecular and behavioral assessment in larval zebrafish (<i>Danio rerio</i>) following exposure to environmentally relevant levels of the antineoplastic cyclophosphamide.. <i>Environmental Toxicology and Pharmacology</i> , 2022 , 103809	5.8	1
249	Endocrine disruption by azole fungicides in fish: A review of the evidence.. <i>Science of the Total Environment</i> , 2022 , 822, 153412	10.2	1
248	Emerging concepts and opportunities for endocrine disruptor screening of the non-EATS modalities. <i>Environmental Research</i> , 2022 , 204, 111904	7.9	5
247	Comparative analysis on the photolysis kinetics of four neonicotinoid pesticides and their photo-induced toxicity to <i>Vibrio Fischeri</i> : Pathway and toxic mechanism. <i>Chemosphere</i> , 2022 , 287, 132303	8.4	2
246	Comparison of Modes of Action Between Fish, Cell and Mitochondrial Toxicity Based on Toxicity Correlation, Excess Toxicity and QSAR for Class-based Compounds.. <i>Toxicology</i> , 2022 , 153155	4.4	1
245	Developmental toxicity of fenbuconazole in zebrafish: effects on mitochondrial respiration and locomotor behavior.. <i>Toxicology</i> , 2022 , 153137	4.4	1
244	Comparison of modes of toxic action between <i>Rana chensinensis</i> tadpoles and <i>Limnodrilus hoffmeisteri</i> worms based on interspecies correlation, excess toxicity and QSAR for class-based compounds.. <i>Aquatic Toxicology</i> , 2022 , 245, 106130	5.1	0
243	Critical review of the toxicity mechanisms of bisphenol F in zebrafish (<i>Danio rerio</i>): Knowledge gaps and future directions.. <i>Chemosphere</i> , 2022 , 297, 134132	8.4	1
242	Neurotoxic effects of synthetic phenolic antioxidants on dopaminergic, serotonergic, and GABAergic signaling in larval zebrafish (<i>Danio rerio</i>).. <i>Science of the Total Environment</i> , 2022 , 154688	10.2	0
241	Application of machine learning to predict the inhibitory activity of organic chemicals on thyroid stimulating hormone receptor.. <i>Environmental Research</i> , 2022 , 212, 113175	7.9	1
240	Comparative toxicity of [Cmim]Br and [Cpy]Br in early developmental stages of zebrafish (<i>Danio rerio</i>) with focus on oxidative stress, apoptosis, and neurotoxicity.. <i>Environmental Toxicology and Pharmacology</i> , 2022 , 92, 103864	5.8	0
239	Sex-dependent host-microbiome dynamics in zebrafish: Implications for toxicology and gastrointestinal physiology.. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2022 , 42, 100993	2	0
238	Developmental and behavioral toxicity assessment of glyphosate and its main metabolite aminomethylphosphonic acid (AMPA) in zebrafish embryos/larvae.. <i>Environmental Toxicology and Pharmacology</i> , 2022 , 93, 103873	5.8	1
237	Investigating mitochondria-immune responses in zebrafish, <i>Danio rerio</i> (Hamilton, 1822): A case study with the herbicide dinoseb.. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2022 , 109357	3.2	1
236	Impacts of endocrine disrupting chemicals on reproduction in wildlife and humans.. <i>Environmental Research</i> , 2021 , 208, 112584	7.9	3
235	Assessing sub-lethal effects of the dinitroaniline herbicide pendimethalin in zebrafish embryos/larvae (<i>Danio rerio</i>). <i>Neurotoxicology and Teratology</i> , 2021 , 89, 107051	3.9	2
234	Towards regulation of Endocrine Disrupting chemicals (EDCs) in water resources using bioassays - A guide to developing a testing strategy. <i>Environmental Research</i> , 2021 , 112483	7.9	4

233	Behavioral and developmental toxicity assessment of the strobilurin fungicide fenamidone in zebrafish embryos/larvae (<i>Danio rerio</i>). <i>Ecotoxicology and Environmental Safety</i> , 2021 , 228, 112966	7	3
232	Exposure to acetochlor impairs swim bladder formation, induces heat shock protein expression, and promotes locomotor activity in zebrafish (<i>Danio rerio</i>) larvae. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 228, 112978	7	6
231	A comprehensive review of 1,2,4-triazole fungicide toxicity in zebrafish (<i>Danio rerio</i>): A mitochondrial and metabolic perspective. <i>Science of the Total Environment</i> , 2021 , 151177	10.2	5
230	Relative comparison of strobilurin fungicides at environmental levels: Focus on mitochondrial function and larval activity in early staged zebrafish (<i>Danio rerio</i>). <i>Toxicology</i> , 2021 , 452, 152706	4.4	3
229	Microbiome Composition and Function in Aquatic Vertebrates: Small Organisms Making Big Impacts on Aquatic Animal Health. <i>Frontiers in Microbiology</i> , 2021 , 12, 567408	5.7	26
228	A comprehensive review of strobilurin fungicide toxicity in aquatic species: Emphasis on mode of action from the zebrafish model. <i>Environmental Pollution</i> , 2021 , 275, 116671	9.3	8
227	Identification of active and inactive agonists/antagonists of estrogen receptor based on Tox21 10K compound library: Binomial analysis and structure alert. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 214, 112114	7	3
226	Mitochondria of teleost radial glia: A novel target of neuroendocrine disruption by environmental chemicals?. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021 , 243, 108995	3.2	
225	Environmentally relevant concentrations of sertraline disrupts behavior and the brain and liver transcriptome of juvenile yellow catfish (<i>Tachysurus fulvidraco</i>): Implications for the feeding and growth axis. <i>Journal of Hazardous Materials</i> , 2021 , 409, 124974	12.8	2
224	In Parkinson's patient-derived dopamine neurons, the triplication of β -synuclein locus induces distinctive firing pattern by impeding D2 receptor autoinhibition. <i>Acta Neuropathologica Communications</i> , 2021 , 9, 107	7.3	2
223	Developmental thyroid disruption causes long-term impacts on immune cell function and transcriptional responses to pathogen in a small fish model. <i>Scientific Reports</i> , 2021 , 11, 14496	4.9	0
222	Characterization of the GABAergic system in Asian clam <i>Corbicula fluminea</i> : Phylogenetic analysis, tissue distribution, and response to the aquatic contaminant carbamazepine. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021 , 239, 108896	3.2	1
221	Lipidomics reveals multiple stressor effects (temperature and mitochondrial toxicant) in the zebrafish embryo toxicity test. <i>Chemosphere</i> , 2021 , 264, 128472	8.4	4
220	Microbiome analysis and predicted relative metabolomic turnover suggest bacterial heme and selenium metabolism are altered in the gastrointestinal system of zebrafish (<i>Danio rerio</i>) exposed to the organochlorine dieldrin. <i>Environmental Pollution</i> , 2021 , 268, 115715	9.3	8
219	The agrochemical S-metolachlor disrupts molecular mediators and morphology of the swim bladder: Implications for locomotor activity in zebrafish (<i>Danio rerio</i>). <i>Ecotoxicology and Environmental Safety</i> , 2021 , 208, 111641	7	10
218	Evaluation and comparison of the mitochondrial and developmental toxicity of three strobilurins in zebrafish embryo/larvae. <i>Environmental Pollution</i> , 2021 , 270, 116277	9.3	5
217	Molecular and behavioral responses of zebrafish embryos/larvae after sertraline exposure. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 208, 111700	7	11
216	Tumor Necrosis Factor Alpha and the Gastrointestinal Epithelium: Implications for the Gut-Brain Axis and Hypertension. <i>Cellular and Molecular Neurobiology</i> , 2021 , 1	4.6	0

215	Metabolic profiling in human SH-SY5Y neuronal cells exposed to perfluorooctanoic acid (PFOA). <i>NeuroToxicology</i> , 2021 , 85, 160-172	4.4	2
214	Fucoidan ameliorates acute and sub-chronic in vivo toxicity of the fungicide chlorothalonil in <i>Oreochromis niloticus</i> (Nile tilapia). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021 , 245, 109035	3.2	1
213	Mitochondrial and transcriptome responses in rat dopaminergic neuronal cells following exposure to the insecticide fipronil. <i>NeuroToxicology</i> , 2021 , 85, 173-185	4.4	1
212	Comprehensive Interrogation of Metabolic and Bioenergetic Responses of Early-Staged Zebrafish () to a Commercial Copper Hydroxide Nanopesticide. <i>Environmental Science & Technology</i> , 2021 , 55, 13033-13044	10.3	0
211	Plastics in our water: Fish microbiomes at risk?. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2021 , 39, 100834	2	1
210	Disease network data for the pesticide fipronil in rat dopamine cells. <i>Data in Brief</i> , 2021 , 38, 107299	1.2	
209	Discrimination of active and inactive substances in cytotoxicity based on Tox21 10K compound library: Structure alert and mode of action. <i>Toxicology</i> , 2021 , 462, 152948	4.4	
208	Impact of bisphenol-A and synthetic estradiol on brain, behavior, gonads and sex hormones in a sexually labile coral reef fish. <i>Hormones and Behavior</i> , 2021 , 136, 105043	3.7	0
207	Behavioral and hypothalamic transcriptome analyses reveal sex-specific responses to phenanthrene exposure in the fathead minnow (<i>Pimephales promelas</i>). <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2021 , 40, 100905	2	
206	A cross-species comparative approach to assessing multi- and transgenerational effects of endocrine disrupting chemicals. <i>Environmental Research</i> , 2021 , 204, 112063	7.9	5
205	Development and Molecular Investigation into the Effects of Carbamazepine Exposure in the Zebrafish (). <i>International Journal of Environmental Research and Public Health</i> , 2020 , 17,	4.6	2
204	Transcriptome network data in larval zebrafish (following exposure to the phenylpyrazole fipronil. <i>Data in Brief</i> , 2020 , 33, 106413	1.2	2
203	Gastrointestinal dysbiosis following diethylhexyl phthalate exposure in zebrafish (<i>Danio rerio</i>): Altered microbial diversity, functionality, and network connectivity. <i>Environmental Pollution</i> , 2020 , 265, 114496	9.3	13
202	Assessing the toxicity of the benzamide fungicide zoxamide in zebrafish (<i>Danio rerio</i>): Towards an adverse outcome pathway for beta-tubulin inhibitors. <i>Environmental Toxicology and Pharmacology</i> , 2020 , 78, 103405	5.8	9
201	Organ system effects: endocrine toxicology 2020 , 221-232		
200	Genetic ablation of bone marrow beta-adrenergic receptors in mice modulates miRNA-transcriptome networks of neuroinflammation in the paraventricular nucleus. <i>Physiological Genomics</i> , 2020 , 52, 169-177	3.6	3
199	Neurotoxicity assessment of triazole fungicides on mitochondrial oxidative respiration and lipids in differentiated human SH-SY5Y neuroblastoma cells. <i>NeuroToxicology</i> , 2020 , 80, 76-86	4.4	12
198	Morphometric and proteomic responses of early-life stage rainbow trout (<i>Oncorhynchus mykiss</i>) to the aquatic herbicide diquat dibromide. <i>Aquatic Toxicology</i> , 2020 , 222, 105446	5.1	9

197	Regulation of endocrine systems by the microbiome: Perspectives from comparative animal models. <i>General and Comparative Endocrinology</i> , 2020 , 292, 113437	3	21
196	Sodium arsenite toxicity on hematology indices and reproductive parameters in Teddy goat bucks and their amelioration with vitamin C. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 15223-15232	5.1	7
195	Elucidating mechanisms of immunotoxicity by benzotriazole ultraviolet stabilizers in zebrafish (<i>Danio rerio</i>): Implication of the AHR-IL17/IL22 immune pathway. <i>Environmental Pollution</i> , 2020 , 262, 114291	9.3	6
194	Organochlorine pesticides: Agrochemicals with potent endocrine-disrupting properties in fish. <i>Molecular and Cellular Endocrinology</i> , 2020 , 507, 110764	4.4	40
193	An in vivo brain-bacteria interface: the developing brain as a key regulator of innate immunity. <i>Npj Regenerative Medicine</i> , 2020 , 5, 2	15.8	5
192	Antineoplastic Agents: Environmental Prevalence and Adverse Outcomes in Aquatic Organisms. <i>Environmental Toxicology and Chemistry</i> , 2020 , 39, 967-985	3.8	17
191	Advancing the fathead minnow (<i>Pimephales promelas</i>) as a model for immunotoxicity testing: Characterization of the renal transcriptome following <i>Yersinia ruckeri</i> infection. <i>Fish and Shellfish Immunology</i> , 2020 , 103, 472-480	4.3	0
190	Twenty years of transcriptomics, 17alpha-ethinylestradiol, and fish. <i>General and Comparative Endocrinology</i> , 2020 , 286, 113325	3	13
189	Steroidogenic acute regulatory protein transcription is regulated by estrogen receptor signaling in largemouth bass ovary. <i>General and Comparative Endocrinology</i> , 2020 , 286, 113300	3	5
188	Investigation into the sub-lethal effects of the triazole fungicide triticonazole in zebrafish (<i>Danio rerio</i>) embryos/larvae. <i>Environmental Toxicology</i> , 2020 , 35, 254-267	4.2	10
187	Toxicity assessment of the herbicide acetochlor in the human liver carcinoma (HepG2) cell line. <i>Chemosphere</i> , 2020 , 243, 125345	8.4	19
186	The organochlorine pesticide toxaphene reduces non-mitochondrial respiration and induces heat shock protein 70 expression in early-staged zebrafish (<i>Danio rerio</i>). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2020 , 228, 108669	3.2	5
185	Butylated hydroxytoluene induces hyperactivity and alters dopamine-related gene expression in larval zebrafish (<i>Danio rerio</i>). <i>Environmental Pollution</i> , 2020 , 257, 113624	9.3	12
184	The pyrethroid esfenvalerate induces hypoactivity and decreases dopamine transporter expression in embryonic/larval zebrafish (<i>Danio rerio</i>). <i>Chemosphere</i> , 2020 , 243, 125416	8.4	10
183	Residual molecular and behavioral effects of the phenylpyrazole pesticide fipronil in larval zebrafish (<i>Danio rerio</i>) following a pulse embryonic exposure. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2020 , 36, 100743	2	3
182	Ecotoxicology-lipidomics: An emerging concept to understand chemical-metabolic relationships in comparative fish models. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2020 , 36, 100742	2	3
181	Comparative epigenetics in animal physiology: An emerging frontier. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2020 , 36, 100745	2	3
180	Transcriptome and physiological effects of toxaphene on the liver-gonad reproductive axis in male and female largemouth bass (<i>Micropterus salmoides</i>). <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2020 , 36, 100746	2	1

179	Sub-lethal toxicity assessment of the phenylurea herbicide linuron in developing zebrafish (<i>Danio rerio</i>) embryo/larvae. <i>Neurotoxicology and Teratology</i> , 2020 , 81, 106917	3.9	7
178	Getting the most out of reductionist approaches in comparative biochemistry and physiology. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020 , 250, 110483	2.3	6
177	Perspectives on transcriptomics in animal physiology studies. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020 , 250, 110490	2.3	1
176	Are we forgetting the "proteomics" in multi-omics ecotoxicology?. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2020 , 36, 100751	2	8
175	The effect of fucoidan or potassium permanganate on growth performance, intestinal pathology, and antioxidant status in Nile tilapia (<i>Oreochromis niloticus</i>). <i>Fish Physiology and Biochemistry</i> , 2020 , 46, 2109-2131	2.7	3
174	Evaluation of Microbiome-Host Relationships in the Zebrafish Gastrointestinal System Reveals Adaptive Immunity Is a Target of Bis(2-ethylhexyl) Phthalate (DEHP) Exposure. <i>Environmental Science & Technology</i> , 2020 , 54, 5719-5728	10.3	18
173	Hepatic proteome network data in zebrafish (<i>Danio rerio</i>) liver following dieldrin exposure. <i>Data in Brief</i> , 2019 , 25, 104351	1.2	1
172	Transcriptome Analysis Reveals That Naphthenic Acids Perturb Gene Networks Related to Metabolic Processes, Membrane Integrity, and Gut Function in <i>Silurana</i> (<i>Xenopus</i>) tropicalis Embryos. <i>Frontiers in Marine Science</i> , 2019 , 6,	4.5	4
171	The effects of acute and repeated methylenedioxypropylvalerone (MDPV) administration on striatal transcriptome networks in male long evans rats. <i>Neuroscience Letters</i> , 2019 , 712, 134499	3.3	
170	Carbamazepine disrupts molting hormone signaling and inhibits molting and growth of <i>Eriocheir sinensis</i> at environmentally relevant concentrations. <i>Aquatic Toxicology</i> , 2019 , 208, 138-145	5.1	16
169	Sub-lethal effects of the triazole fungicide propiconazole on zebrafish (<i>Danio rerio</i>) development, oxidative respiration, and larval locomotor activity. <i>Neurotoxicology and Teratology</i> , 2019 , 74, 106809	3.9	28
168	Dichloroacetate-induced peripheral neuropathy. <i>International Review of Neurobiology</i> , 2019 , 145, 211-238	4.4	20
167	Zirconium Doped Hydroxalcite-based NiAl Mixed Oxides Enhanced Performance for Adsorption of SO ₂ and NO. <i>Chemical Research in Chinese Universities</i> , 2019 , 35, 490-497	2.2	0
166	Social status regulates the hepatic miRNAome in rainbow trout: Implications for posttranscriptional regulation of metabolic pathways. <i>PLoS ONE</i> , 2019 , 14, e0217978	3.7	6
165	Label-free and iTRAQ proteomics analysis in the liver of zebrafish (<i>Danio rerio</i>) following dietary exposure to the organochlorine pesticide dieldrin. <i>Journal of Proteomics</i> , 2019 , 202, 103362	3.9	13
164	Linking Mitochondrial Dysfunction to Organismal and Population Health in the Context of Environmental Pollutants: Progress and Considerations for Mitochondrial Adverse Outcome Pathways. <i>Environmental Toxicology and Chemistry</i> , 2019 , 38, 1625-1634	3.8	24
163	Hydroxalcite-based CeNiAl mixed oxides for SO ₂ adsorption and oxidation. <i>Environmental Technology (United Kingdom)</i> , 2019 , 40, 3678-3688	2.6	1
162	Parental exposure to azoxystrobin causes developmental effects and disrupts gene expression in F1 embryonic zebrafish (<i>Danio rerio</i>). <i>Science of the Total Environment</i> , 2019 , 646, 595-605	10.2	23

161	Single-walled carbon nanotubes repress viral-induced defense pathways through oxidative stress. <i>Nanotoxicology</i> , 2019 , 13, 1176-1196	5.3	10
160	Profiling the rainbow trout hepatic miRNAome under diet-induced hyperglycemia. <i>Physiological Genomics</i> , 2019 , 51, 411-431	3.6	10
159	Transcriptome Profiling in Larval Fathead Minnow Exposed to Commercial Naphthenic Acids and Extracts from Fresh and Aged Oil Sands Process-Affected Water. <i>Environmental Science & Technology</i> , 2019 , 53, 10435-10444	10.3	6
158	The psychoactive cathinone derivative pyrovalerone alters locomotor activity and decreases dopamine receptor expression in zebrafish (<i>Danio rerio</i>). <i>Brain and Behavior</i> , 2019 , 9, e01420	3.4	4
157	Regenerative Adaptation to Electrochemical Perturbation in Planaria: A Molecular Analysis of Physiological Plasticity. <i>iScience</i> , 2019 , 22, 147-165	6.1	5
156	Developmental toxicity of the triazole fungicide cyproconazole in embryo-larval stages of zebrafish (<i>Danio rerio</i>). <i>Environmental Science and Pollution Research</i> , 2019 , 26, 4913-4923	5.1	29
155	Developmental neurotoxicity of maneb: Notochord defects, mitochondrial dysfunction and hypoactivity in zebrafish (<i>Danio rerio</i>) embryos and larvae. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 170, 227-237	7	27
154	Examining the responses of the zebrafish (<i>Danio rerio</i>) gastrointestinal system to the suspected obesogen diethylhexyl phthalate. <i>Environmental Pollution</i> , 2019 , 245, 1086-1094	9.3	13
153	Long-Term Exposure to Environmental Concentrations of Azoxystrobin Delays Sexual Development and Alters Reproduction in Zebrafish (<i>Danio rerio</i>). <i>Environmental Science & Technology</i> , 2019 , 53, 1672-1679	10.3	18
152	Computational in Vitro Toxicology Uncovers Chemical Structures Impairing Mitochondrial Membrane Potential. <i>Journal of Chemical Information and Modeling</i> , 2019 , 59, 702-712	6.1	9
151	Impaired butyrate absorption in the proximal colon, low serum butyrate and diminished central effects of butyrate on blood pressure in spontaneously hypertensive rats. <i>Acta Physiologica</i> , 2019 , 226, e13256	5.6	41
150	Biological effects of the benzotriazole ultraviolet stabilizers UV-234 and UV-320 in early-staged zebrafish (<i>Danio rerio</i>). <i>Environmental Pollution</i> , 2019 , 245, 272-281	9.3	32
149	Transcriptome analysis reveals benzotriazole ultraviolet stabilizers regulate networks related to inflammation in juvenile zebrafish (<i>Danio rerio</i>) brain. <i>Environmental Toxicology</i> , 2019 , 34, 112-122	4.2	8
148	Tebuconazole reduces basal oxidative respiration and promotes anxiolytic responses and hypoactivity in early-staged zebrafish (<i>Danio rerio</i>). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019 , 217, 87-97	3.2	18
147	Developmental toxicity of the fungicide ziram in zebrafish (<i>Danio rerio</i>). <i>Chemosphere</i> , 2019 , 214, 303-314	13.4	27
146	Hair follicle miRNAs: a novel biomarker for primary blast Induced-Mild traumatic brain injury. <i>Biomarkers</i> , 2019 , 24, 166-179	2.6	3
145	A review on hemato-biochemical, accumulation and patho-morphological responses of arsenic toxicity in ruminants. <i>Toxin Reviews</i> , 2019 , 38, 176-186	2.3	3
144	Toward an adverse outcome pathway for impaired growth: Mitochondrial dysfunction impairs growth in early life stages of the fathead minnow (<i>Pimephales promelas</i>). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2018 , 209, 46-53	3.2	12

143	Reprint of: Environmental toxicology and omics: A question of sex. <i>Journal of Proteomics</i> , 2018 , 103081-103081		
142	High-throughput assessment of oxidative respiration in fish embryos: Advancing adverse outcome pathways for mitochondrial dysfunction. <i>Aquatic Toxicology</i> , 2018 , 199, 162-173	5.1	41
141	Part A: Temporal and dose-dependent transcriptional responses in the liver of fathead minnows following short term exposure to the polycyclic aromatic hydrocarbon phenanthrene. <i>Aquatic Toxicology</i> , 2018 , 199, 90-102	5.1	14
140	Part B: Morphometric and transcriptomic responses to sub-chronic exposure to the polycyclic aromatic hydrocarbon phenanthrene in the fathead minnow (<i>Pimephales promelas</i>). <i>Aquatic Toxicology</i> , 2018 , 199, 77-89	5.1	16
139	Domperidone upregulates dopamine receptor expression and stimulates locomotor activity in larval zebrafish (<i>Danio rerio</i>). <i>Genes, Brain and Behavior</i> , 2018 , 17, e12460	3.6	17
138	Are we closer to the vision? A proposed framework for incorporating omics into environmental assessments. <i>Environmental Toxicology and Pharmacology</i> , 2018 , 59, 87-93	5.8	21
137	Environmental toxicology and omics: A question of sex. <i>Journal of Proteomics</i> , 2018 , 172, 152-164	3.9	18
136	Paraquat affects mitochondrial bioenergetics, dopamine system expression, and locomotor activity in zebrafish (<i>Danio rerio</i>). <i>Chemosphere</i> , 2018 , 191, 106-117	8.4	63
135	The bioelectric code: An ancient computational medium for dynamic control of growth and form. <i>BioSystems</i> , 2018 , 164, 76-93	1.9	82
134	Butyrate regulates inflammatory cytokine expression without affecting oxidative respiration in primary astrocytes from spontaneously hypertensive rats. <i>Physiological Reports</i> , 2018 , 6, e13732	2.6	19
133	Secretoneurin A Directly Regulates the Proteome of Goldfish Radial Glial Cells. <i>Frontiers in Endocrinology</i> , 2018 , 9, 68	5.7	1
132	Fluazinam impairs oxidative phosphorylation and induces hyper/hypo-activity in a dose specific manner in zebrafish larvae. <i>Chemosphere</i> , 2018 , 210, 633-644	8.4	28
131	Toxicity of functionalized fullerene and fullerene synthesis chemicals. <i>Chemosphere</i> , 2018 , 207, 1-9	8.4	11
130	The gut microbiome and aquatic toxicology: An emerging concept for environmental health. <i>Environmental Toxicology and Chemistry</i> , 2018 , 37, 2758-2775	3.8	54
129	In Silico Computational Transcriptomics Reveals Novel Endocrine Disruptors in Largemouth Bass (<i>Micropterus salmoides</i>). <i>Environmental Science & Technology</i> , 2018 , 52, 7553-7565	10.3	7
128	Elucidating Conserved Transcriptional Networks Underlying Pesticide Exposure and Parkinson's Disease: A Focus on Chemicals of Epidemiological Relevance. <i>Frontiers in Genetics</i> , 2018 , 9, 701	4.5	21
127	Comprehensive assessment of shockwave intensity: Transcriptomic biomarker discovery for primary blast-induced mild traumatic brain injury using the mammalian hair follicle. <i>Brain Injury</i> , 2018 , 32, 123-134	2.1	5
126	Mitochondrial bioenergetics and locomotor activity are altered in zebrafish (<i>Danio rerio</i>) after exposure to the bipyridylum herbicide diquat. <i>Toxicology Letters</i> , 2018 , 283, 13-20	4.4	32

125	Brief Local Application of Progesterone via a Wearable Bioreactor Induces Long-Term Regenerative Response in Adult Xenopus Hindlimb. <i>Cell Reports</i> , 2018 , 25, 1593-1609.e7	10.6	25
124	Transgenerational hypocortisolism and behavioral disruption are induced by the antidepressant fluoxetine in male zebrafish. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, E12435-E12442	11.5	64
123	Biological impacts of organophosphates chlorpyrifos and diazinon on development, mitochondrial bioenergetics, and locomotor activity in zebrafish (<i>Danio rerio</i>). <i>Neurotoxicology and Teratology</i> , 2018 , 70, 18-27	3.9	32
122	Environmentally relevant concentrations of carbamazepine induce liver histopathological changes and a gender-specific response in hepatic proteome of Chinese rare minnows (<i>Gobiocypris rarus</i>). <i>Environmental Pollution</i> , 2018 , 243, 480-491	9.3	15
121	Cu promoted hydrotalcite-based NiAl mixed oxides in adsorption and oxidation of SO ₂ reaction: Experimental and theoretical study. <i>Separation and Purification Technology</i> , 2018 , 207, 231-239	8.3	10
120	Biological responses to phenylurea herbicides in fish and amphibians: New directions for characterizing mechanisms of toxicity. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2017 , 194, 9-21	3.2	12
119	Returning to normal? Assessing transcriptome recovery over time in male rainbow darter (<i>Etheostoma caeruleum</i>) liver in response to wastewater-treatment plant upgrades. <i>Environmental Toxicology and Chemistry</i> , 2017 , 36, 2108-2122	3.8	13
118	The legacy pesticide dieldrin acts as a teratogen and alters the expression of dopamine transporter and dopamine receptor 2a in zebrafish (<i>Danio rerio</i>) embryos. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2017 , 194, 37-47	3.2	10
117	Molecular networks related to the immune system and mitochondria are targets for the pesticide dieldrin in the zebrafish (<i>Danio rerio</i>) central nervous system. <i>Journal of Proteomics</i> , 2017 , 157, 71-82	3.9	32
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