

# Robert L Tanguay Or Robyn L Tanguay

## 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.

270  
papers

10,612  
citations

61  
h-index

90  
g-index

287  
ext. papers

12,107  
ext. citations

5.5  
avg, IF

6.45  
L-index

#	Paper	IF	Citations
270	Sulfonamide functional head on short-chain perfluorinated substance drives developmental toxicity.. <i>IScience</i> , <b>2022</b> , 25, 103789	6.1	0
269	Zebrafish Behavioral Assays in Toxicology.. <i>Methods in Molecular Biology</i> , <b>2022</b> , 2474, 109-122	1.4	1
268	Transcriptomic and Long-Term Behavioral Deficits Associated with Developmental 3.5 GHz Radiofrequency Radiation Exposures in Zebrafish.. <i>Environmental Science and Technology Letters</i> , <b>2022</b> , 9, 327-332	11	
267	Systematic developmental toxicity assessment of a structurally diverse library of PFAS in zebrafish.. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 431, 128615	12.8	1
266	Leveraging a High-Throughput Screening Method to Identify Mechanisms of Individual Susceptibility Differences in a Genetically Diverse Zebrafish Model.. <i>Frontiers in Toxicology</i> , <b>2022</b> , 4, 846221	16	
265	Developmental, Behavioral and Transcriptomic Changes in Zebrafish Embryos after Smoke Dye Exposure. <i>Toxics</i> , <b>2022</b> , 10, 210	4.7	1
264	Zinc oxide-induced changes to sunscreen ingredient efficacy and toxicity under UV irradiation. <i>Photochemical and Photobiological Sciences</i> , <b>2021</b> , 20, 1273-1285	4.2	0
263	Developmental titanium dioxide nanoparticle exposure induces oxidative stress and neurobehavioral changes in zebrafish. <i>Aquatic Toxicology</i> , <b>2021</b> , 240, 105990	5.1	2
262	The Zebrafish Xenograft Models for Investigating Cancer and Cancer Therapeutics. <i>Biology</i> , <b>2021</b> , 10,	4.9	4
261	Uncovering Evidence for Endocrine-Disrupting Chemicals That Elicit Differential Susceptibility through Gene-Environment Interactions. <i>Toxics</i> , <b>2021</b> , 9,	4.7	1
260	Phenotypically Anchored mRNA and miRNA Expression Profiling in Zebrafish Reveals Flame Retardant Chemical Toxicity Networks. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 663032	5.7	4
259	Behavior Effects of Structurally Diverse Per- and Polyfluoroalkyl Substances in Zebrafish. <i>Chemical Research in Toxicology</i> , <b>2021</b> , 34, 1409-1416	4	4
258	Developmental co-exposure of TBBPA and titanium dioxide nanoparticle induced behavioral deficits in larval zebrafish. <i>Ecotoxicology and Environmental Safety</i> , <b>2021</b> , 215, 112176	7	4
257	Concurrent Evaluation of Mortality and Behavioral Responses: A Fast and Efficient Testing Approach for High-Throughput Chemical Hazard Identification.. <i>Frontiers in Toxicology</i> , <b>2021</b> , 3, 670496	1.6	2
256	Leveraging high-throughput screening data, deep neural networks, and conditional generative adversarial networks to advance predictive toxicology. <i>PLoS Computational Biology</i> , <b>2021</b> , 17, e1009135	5	6
255	Nitrate-induced improvements in exercise performance are coincident with exuberant changes in metabolic genes and the metabolome in zebrafish () skeletal muscle. <i>Journal of Applied Physiology</i> , <b>2021</b> , 131, 142-157	3.7	0
254	Vitamin E deficiency dysregulates thiols, amino acids and related molecules during zebrafish embryogenesis. <i>Redox Biology</i> , <b>2021</b> , 38, 101784	11.3	9

253	Developmental toxicity in zebrafish ( <i>Danio rerio</i> ) exposed to uranium: A comparison with lead, cadmium, and iron. <i>Environmental Pollution</i> , <b>2021</b> , 269, 116097	9.3	6
252	Morphological and Behavioral Effects in Zebrafish Embryos after Exposure to Smoke Dyes. <i>Toxics</i> , <b>2021</b> , 9,	4.7	5
251	FutureTox IV Workshop Summary: Predictive Toxicology for Healthy Children. <i>Toxicological Sciences</i> , <b>2021</b> , 180, 198-211	4.4	4
250	A mechanism linking perinatal 2,3,7,8 tetrachlorodibenzo-p-dioxin exposure to lower urinary tract dysfunction in adulthood. <i>DMM Disease Models and Mechanisms</i> , <b>2021</b> , 14,	4.1	2
249	Gene co-expression network analysis in zebrafish reveals chemical class specific modules. <i>BMC Genomics</i> , <b>2021</b> , 22, 658	4.5	1
248	Early life stage transient aristolochic acid exposure induces behavioral hyperactivity but not nephrotoxicity in larval zebrafish. <i>Aquatic Toxicology</i> , <b>2021</b> , 238, 105916	5.1	2
247	The chemistry and toxicology of vaping. <i>Pharmacology &amp; Therapeutics</i> , <b>2021</b> , 225, 107837	13.9	7
246	Gene Expression of CRAL_TRIO Family Proteins modulated by Vitamin E Deficiency in Zebrafish ( <i>Danio Rerio</i> ). <i>Journal of Nutritional Biochemistry</i> , <b>2021</b> , 97, 108801	6.3	1
245	Vitamin E Deficiency Disrupts Gene Expression Networks during Zebrafish Development. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	6
244	Systematic Assessment of Exposure Variations on Observed Bioactivity in Zebrafish Chemical Screening. <i>Toxics</i> , <b>2020</b> , 8,	4.7	3
243	Collective Behavior in Wild Zebrafish. <i>Zebrafish</i> , <b>2020</b> , 17, 243-252	2	9
242	Building capacity more important than adding to overburdened emergency departments. <i>Canadian Journal of Emergency Medicine</i> , <b>2020</b> , 22, 135-136	0.6	
241	Environmental relevant concentrations of benzophenone-3 induced developmental neurotoxicity in zebrafish. <i>Science of the Total Environment</i> , <b>2020</b> , 721, 137686	10.2	17
240	Impacts of high dose 3.5 GHz cellphone radiofrequency on zebrafish embryonic development. <i>PLoS ONE</i> , <b>2020</b> , 15, e0235869	3.7	8
239	Workflow for Comparison of Chemical and Biological Metrics of Filter Collected PM. <i>Atmospheric Environment</i> , <b>2020</b> , 226,	5.3	7
238	Nitrate and nitrite exposure leads to mild anxiogenic-like behavior and alters brain metabolomic profile in zebrafish. <i>PLoS ONE</i> , <b>2020</b> , 15, e0240070	3.7	6
237	celsr1a is essential for tissue homeostasis and onset of aging phenotypes in the zebrafish. <i>ELife</i> , <b>2020</b> , 9,	8.9	3
236	Rapid well-plate assays for motor and social behaviors in larval zebrafish. <i>Behavioural Brain Research</i> , <b>2020</b> , 391, 112625	3.4	11

235	Mutagenicity assessment downstream of oil and gas produced water discharges intended for agricultural beneficial reuse. <i>Science of the Total Environment</i> , <b>2020</b> , 715, 136944	10.2	18
234	Aryl Hydrocarbon Receptor Mediates Larval Zebrafish Fin Duplication Following Exposure to Benzofluoranthenes. <i>Toxicological Sciences</i> , <b>2020</b> , 176, 46-64	4.4	2
233	Assessing the hazard of E-Cigarette flavor mixtures using zebrafish. <i>Food and Chemical Toxicology</i> , <b>2020</b> , 136, 110945	4.7	11
232	Harmonizing across environmental nanomaterial testing media for increased comparability of nanomaterial datasets. <i>Environmental Science: Nano</i> , <b>2020</b> , 7, 13-36	7.1	23
231	A Review of the Functional Roles of the Zebrafish Aryl Hydrocarbon Receptors. <i>Toxicological Sciences</i> , <b>2020</b> , 178, 215-238	4.4	7
230	The multi-dimensional embryonic zebrafish platform predicts flame retardant bioactivity. <i>Reproductive Toxicology</i> , <b>2020</b> , 96, 359-369	3.4	10
229	Vitamin E is necessary for zebrafish nervous system development. <i>Scientific Reports</i> , <b>2020</b> , 10, 15028	4.9	17
228	Establishing structure-property-hazard relationships for multi-walled carbon nanotubes: the role of aggregation, surface charge, and oxidative stress on embryonic zebrafish mortality. <i>Carbon</i> , <b>2019</b> , 155, 587-600	10.4	15
227	Treatment with Nitrate, but Not Nitrite, Lowers the Oxygen Cost of Exercise and Decreases Glycolytic Intermediates While Increasing Fatty Acid Metabolites in Exercised Zebrafish. <i>Journal of Nutrition</i> , <b>2019</b> , 149, 2120-2132	4.1	7
226	Otoferlin Depletion Results in Abnormal Synaptic Ribbons and Altered Intracellular Calcium Levels in Zebrafish. <i>Scientific Reports</i> , <b>2019</b> , 9, 14273	4.9	2
225	Coupling Genome-wide Transcriptomics and Developmental Toxicity Profiles in Zebrafish to Characterize Polycyclic Aromatic Hydrocarbon (PAH) Hazard. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	24
224	Bioinformatics Resource Manager: a systems biology web tool for microRNA and omics data integration. <i>BMC Bioinformatics</i> , <b>2019</b> , 20, 255	3.6	5
223	Determination of narcotic potency using a neurobehavioral assay with larval zebrafish. <i>NeuroToxicology</i> , <b>2019</b> , 74, 67-73	4.4	3
222	Copper release and transformation following natural weathering of nano-enabled pressure-treated lumber. <i>Science of the Total Environment</i> , <b>2019</b> , 668, 234-244	10.2	10
221	Improved in vivo targeting of BCL-2 phenotypic conversion through hollow gold nanoshell delivery. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , <b>2019</b> , 24, 529-537	5.4	2
220	Formation of PAH Derivatives and Increased Developmental Toxicity during Steam Enhanced Extraction Remediation of Creosote Contaminated Superfund Soil. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 4460-4469	10.3	15
219	Systematic determination of the relationship between nanoparticle core diameter and toxicity for a series of structurally analogous gold nanoparticles in zebrafish. <i>Nanotoxicology</i> , <b>2019</b> , 13, 879-893	5.3	14
218	Comparative Analysis of Zebrafish and Planarian Model Systems for Developmental Neurotoxicity Screens Using an 87-Compound Library. <i>Toxicological Sciences</i> , <b>2019</b> , 167, 15-25	4.4	25

217	Tris(1,3-dichloro-2-propyl)phosphate (TDCIPP) disrupts zebrafish tail fin development. <i>Ecotoxicology and Environmental Safety</i> , <b>2019</b> , 182, 109449	7	7
216	Glucocorticoid receptor-dependent induction of ( ) inhibits zebrafish caudal fin regeneration. <i>Toxicology Reports</i> , <b>2019</b> , 6, 529-537	4.8	5
215	Combined Danio rerio embryo morbidity, mortality and photomotor response assay: A tool for developmental risk assessment from chronic cyanoHAB exposure. <i>Science of the Total Environment</i> , <b>2019</b> , 697, 134210	10.2	3
214	Characterizing sources of variability in zebrafish embryo screening protocols. <i>ALTEX: Alternatives To Animal Experimentation</i> , <b>2019</b> , 36, 103-120	4.3	22
213	Multivariate modeling of engineered nanomaterial features associated with developmental toxicity. <i>NanoImpact</i> , <b>2019</b> , 16, 100185-100185	5.6	4
212	Time-dependent behavioral data from zebrafish reveals novel signatures of chemical toxicity using point of departure analysis. <i>Computational Toxicology</i> , <b>2019</b> , 9, 50-60	3.1	4
211	Biodegradability and toxicity of monorhamnolipid biosurfactant diastereomers. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 364, 600-607	12.8	26
210	Fer116 is essential for the development of vertebrate muscle tissue in zebrafish. <i>Molecular Biology of the Cell</i> , <b>2019</b> , 30, 293-301	3.5	3
209	PM Filter Extraction Methods: Implications for Chemical and Toxicological Analyses. <i>Environmental Science &amp; Technology</i> , <b>2019</b> , 53, 434-442	10.3	13
208	Transcriptomic and phenotypic profiling in developing zebrafish exposed to thyroid hormone receptor agonists. <i>Reproductive Toxicology</i> , <b>2018</b> , 77, 80-93	3.4	16
207	Developing and interpreting aqueous functional assays for comparative property-activity relationships of different nanoparticles. <i>Science of the Total Environment</i> , <b>2018</b> , 628-629, 1609-1616	10.2	2
206	Multidimensional chemobehavior analysis of flavonoids and neuroactive compounds in zebrafish. <i>Toxicology and Applied Pharmacology</i> , <b>2018</b> , 344, 23-34	4.6	16
205	Development of a high-throughput in vivo screening platform for particulate matter exposures. <i>Environmental Pollution</i> , <b>2018</b> , 235, 993-1005	9.3	8
204	Systematic developmental neurotoxicity assessment of a representative PAH Superfund mixture using zebrafish. <i>Toxicology and Applied Pharmacology</i> , <b>2018</b> , 354, 115-125	4.6	46
203	Population genetic diversity in zebrafish lines. <i>Mammalian Genome</i> , <b>2018</b> , 29, 90-100	3.2	23
202	Developmental and behavioral alterations in zebrafish embryonically exposed to valproic acid (VPA): An aquatic model for autism. <i>Neurotoxicology and Teratology</i> , <b>2018</b> , 66, 8-16	3.9	31
201	Comparative developmental toxicity of a comprehensive suite of polycyclic aromatic hydrocarbons. <i>Archives of Toxicology</i> , <b>2018</b> , 92, 571-586	5.8	72
200	Synergistic Toxicity Produced by Mixtures of Biocompatible Gold Nanoparticles and Widely Used Surfactants. <i>ACS Nano</i> , <b>2018</b> , 12, 5312-5322	16.7	55

199	The Rise of Zebrafish as a Model for Toxicology. <i>Toxicological Sciences</i> , <b>2018</b> , 163, 3-4	4.4	19
198	Trade-offs in ecosystem impacts from nanomaterial versus organic chemical ultraviolet filters in sunscreens. <i>Water Research</i> , <b>2018</b> , 139, 281-290	12.5	31
197	Ecotoxicity of the insensitive munitions compound 3-nitro-1,2,4-triazol-5-one (NTO) and its reduced metabolite 3-amino-1,2,4-triazol-5-one (ATO). <i>Journal of Hazardous Materials</i> , <b>2018</b> , 343, 340-346	12.8	20
196	AHR2 required for normal behavioral responses and proper development of the skeletal and reproductive systems in zebrafish. <i>PLoS ONE</i> , <b>2018</b> , 13, e0193484	3.7	30
195	Zebrafish as a Model for Developmental Biology and Toxicology <b>2018</b> , 143-151		5
194	Quantification of glioblastoma progression in zebrafish xenografts: Adhesion to laminin alpha 5 promotes glioblastoma microtumor formation and inhibits cell invasion. <i>Biochemical and Biophysical Research Communications</i> , <b>2018</b> , 506, 833-839	3.4	14
193	Signaling Events Downstream of AHR Activation That Contribute to Toxic Responses: The Functional Role of an AHR-Dependent Long Noncoding RNA () Using the Zebrafish Model. <i>Environmental Health Perspectives</i> , <b>2018</b> , 126, 117002	8.4	13
192	Elucidating Gene-by-Environment Interactions Associated with Differential Susceptibility to Chemical Exposure. <i>Environmental Health Perspectives</i> , <b>2018</b> , 126, 067010	8.4	14
191	Induction of apoptosis and suppression of tumor growth by Nur77-derived Bcl-2 converting peptide in chemoresistant lung cancer cells. <i>Oncotarget</i> , <b>2018</b> , 9, 26072-26085	3.3	19
190	Narrative Review of Cannabidiol as an Antipsychotic and Recommendations for Legal Regulations. <i>Canadian Journal of Addiction</i> , <b>2018</b> , 9, 23-29	1.8	0
189	A Novel Zebrafish Model for Assessing In Vivo Delivery of Morpholino Oligomers. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1828, 293-306	1.4	1
188	Lethal dysregulation of energy metabolism during embryonic vitamin E deficiency. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 104, 324-332	7.8	30
187	Lipid quantitation and metabolomics data from vitamin E-deficient and -sufficient zebrafish embryos from 0 to 120 hours-post-fertilization. <i>Data in Brief</i> , <b>2017</b> , 11, 432-441	1.2	12
186	Adverse effects of parental zinc deficiency on metal homeostasis and embryonic development in a zebrafish model. <i>Journal of Nutritional Biochemistry</i> , <b>2017</b> , 43, 78-87	6.3	17
185	Peptide-MHC-based nanomedicines for autoimmunity function as T-cell receptor microclustering devices. <i>Nature Nanotechnology</i> , <b>2017</b> , 12, 701-710	28.7	81
184	Mechanistic Investigations Into the Developmental Toxicity of Nitrated and Heterocyclic PAHs. <i>Toxicological Sciences</i> , <b>2017</b> , 157, 246-259	4.4	29
183	Zebrafish embryo toxicity of 15 chlorinated, brominated, and iodinated disinfection by-products. <i>Journal of Environmental Sciences</i> , <b>2017</b> , 58, 302-310	6.4	47
182	Colloidal Gold Nanoparticles Induce Changes in Cellular and Subcellular Morphology. <i>ACS Nano</i> , <b>2017</b> , 11, 7807-7820	16.7	60

181	Transgenerational inheritance of neurobehavioral and physiological deficits from developmental exposure to benzo[a]pyrene in zebrafish. <i>Toxicology and Applied Pharmacology</i> , <b>2017</b> , 329, 148-157	4.6	73
180	Investigating the application of a nitroreductase-expressing transgenic zebrafish line for high-throughput toxicity testing. <i>Toxicology Reports</i> , <b>2017</b> , 4, 202-210	4.8	7
179	Using passive sampling and zebrafish to identify developmental toxicants in complex mixtures. <i>Environmental Toxicology and Chemistry</i> , <b>2017</b> , 36, 2290-2298	3.8	11
178	In Vivo Characterization of an AHR-Dependent Long Noncoding RNA Required for Proper Expression. <i>Molecular Pharmacology</i> , <b>2017</b> , 91, 609-619	4.3	28
177	Alcohol use disorder and depression: proposed rewording of Choosing Wisely recommendation. <i>Cmaj</i> , <b>2017</b> , 189, E442-E443	3.5	1
176	A data-driven weighting scheme for multivariate phenotypic endpoints recapitulates zebrafish developmental cascades. <i>Toxicology and Applied Pharmacology</i> , <b>2017</b> , 314, 109-117	4.6	8
175	Developmental benzo[a]pyrene (B[a]P) exposure impacts larval behavior and impairs adult learning in zebrafish. <i>Neurotoxicology and Teratology</i> , <b>2017</b> , 59, 27-34	3.9	53
174	Comparative Toxicogenomic Responses to the Flame Retardant mTTP in Developing Zebrafish. <i>Chemical Research in Toxicology</i> , <b>2017</b> , 30, 508-515	4	9
173	Combinatorial effects of zinc deficiency and arsenic exposure on zebrafish ( <i>Danio rerio</i> ) development. <i>PLoS ONE</i> , <b>2017</b> , 12, e0183831	3.7	19
172	Identification of a Raloxifene Analog That Promotes AhR-Mediated Apoptosis in Cancer Cells. <i>Biology</i> , <b>2017</b> , 6,	4.9	6
171	Formation of Developmentally Toxic Phenanthrene Metabolite Mixtures by <i>Mycobacterium</i> sp. ELW1. <i>Environmental Science &amp; Technology</i> , <b>2017</b> , 51, 8569-8578	10.3	20
170	A multidisciplinary investigation of the technical and environmental performances of TAML/peroxide elimination of Bisphenol A compounds from water. <i>Green Chemistry</i> , <b>2017</b> , 19, 4234-4262 <sup>10</sup>		33
169	Chronic vitamin E deficiency impairs cognitive function in adult zebrafish via dysregulation of brain lipids and energy metabolism. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 112, 308-317	7.8	34
168	Vitamin E deficiency during embryogenesis in zebrafish causes lasting metabolic and cognitive impairments despite refeeding adequate diets. <i>Free Radical Biology and Medicine</i> , <b>2017</b> , 110, 250-260	7.8	24
167	Residual weakly bound ligands influence biological compatibility of mixed ligand shell, thiol-stabilized gold nanoparticles. <i>Environmental Science: Nano</i> , <b>2017</b> , 4, 1634-1646	7.1	4
166	Developmental bisphenol A exposure impairs sperm function and reproduction in zebrafish. <i>Chemosphere</i> , <b>2017</b> , 169, 262-270	8.4	39
165	4D Quantitative Image Analysis of Cancer Cell Invasion in a Brain Microenvironment Using ImageJ Software. <i>Microscopy and Microanalysis</i> , <b>2017</b> , 23, 1182-1183	0.5	2
164	A New Statistical Approach to Characterize Chemical-Elicited Behavioral Effects in High-Throughput Studies Using Zebrafish. <i>PLoS ONE</i> , <b>2017</b> , 12, e0169408	3.7	13

163	Evaluation of Embryotoxicity Using the Zebrafish Model. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1641, 325-333	9
162	Integrating Morphological and Behavioral Phenotypes in Developing Zebrafish <b>2017</b> , 259-272	2
161	High-throughput characterization of chemical-associated embryonic behavioral changes predicts teratogenic outcomes. <i>Archives of Toxicology</i> , <b>2016</b> , 90, 1459-70	5.8 89
160	Toward safer multi-walled carbon nanotube design: Establishing a statistical model that relates surface charge and embryonic zebrafish mortality. <i>Nanotoxicology</i> , <b>2016</b> , 10, 10-9	5.3 23
159	Assessment of the developmental and neurotoxicity of the mosquito control larvicide, pyriproxyfen, using embryonic zebrafish. <i>Environmental Pollution</i> , <b>2016</b> , 218, 1089-1093	9.3 36
158	Phenotypically anchored transcriptome profiling of developmental exposure to the antimicrobial agent, triclosan, reveals hepatotoxicity in embryonic zebrafish. <i>Toxicology and Applied Pharmacology</i> , <b>2016</b> , 308, 32-45	4.6 36
157	Better, Faster, Cheaper: Getting the Most Out of High-Throughput Screening with Zebrafish. <i>Methods in Molecular Biology</i> , <b>2016</b> , 1473, 89-98	1.4 4
156	Optimizing multi-dimensional high throughput screening using zebrafish. <i>Reproductive Toxicology</i> , <b>2016</b> , 65, 139-147	3.4 38
155	Response to Correspondence on Identification and Toxicological Evaluation of Unsubstituted PAHs and Novel PAH Derivatives in Pavement Sealcoat Products. <i>Environmental Science and Technology Letters</i> , <b>2016</b> , 3, 406-408	11
154	ZEBRAFISH AS AN IN VIVO MODEL FOR SUSTAINABLE CHEMICAL DESIGN. <i>Green Chemistry</i> , <b>2016</b> , 18, 6410-6430	10 22
153	Aggregate entropy scoring for quantifying activity across endpoints with irregular correlation structure. <i>Reproductive Toxicology</i> , <b>2016</b> , 62, 92-9	3.4 10
152	Arsenic (III, V), indium (III), and gallium (III) toxicity to zebrafish embryos using a high-throughput multi-endpoint in vivo developmental and behavioral assay. <i>Chemosphere</i> , <b>2016</b> , 148, 361-8	8.4 41
151	Completing the Link between Exposure Science and Toxicology for Improved Environmental Health Decision Making: The Aggregate Exposure Pathway Framework. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 4579-86	10.3 76
150	Lipidomics and H2(18)O labeling techniques reveal increased remodeling of DHA-containing membrane phospholipids associated with abnormal locomotor responses in Etocopherol deficient zebrafish ( <i>danio rerio</i> ) embryos. <i>Redox Biology</i> , <b>2016</b> , 8, 165-74	11.3 21
149	Advancements in zebrafish applications for 21st century toxicology. <i>Pharmacology &amp; Therapeutics</i> , <b>2016</b> , 161, 11-21	13.9 132
148	Facility Design and Health Management Program at the Sinnhuber Aquatic Research Laboratory. <i>Zebrafish</i> , <b>2016</b> , 13 Suppl 1, S39-43	2 35
147	Cytochrome P450 20A1 in zebrafish: Cloning, regulation and potential involvement in hyperactivity disorders. <i>Toxicology and Applied Pharmacology</i> , <b>2016</b> , 296, 73-84	4.6 12
146	Phenotype anchoring in zebrafish reveals a potential role for matrix metalloproteinases (MMPs) in tamoxifen's effects on skin epithelium. <i>Toxicology and Applied Pharmacology</i> , <b>2016</b> , 296, 31-41	4.6 4



145	Potential Environmental Impacts and Antimicrobial Efficacy of Silver- and Nanosilver-Containing Textiles. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 4018-26	10.3	79
144	Identification and Toxicological Evaluation of Unsubstituted PAHs and Novel PAH Derivatives in Pavement Sealcoat Products. <i>Environmental Science and Technology Letters</i> , <b>2016</b> , 3, 234-242	11	6
143	Triclosan Exposure Is Associated with Rapid Restructuring of the Microbiome in Adult Zebrafish. <i>PLoS ONE</i> , <b>2016</b> , 11, e0154632	3.7	86
142	Advancing toxicology research using in vivo high throughput toxicology with small fish models. <i>ALTEX: Alternatives To Animal Experimentation</i> , <b>2016</b> , 33, 435-452	4.3	34
141	Zebrafish embryo toxicity of anaerobic biotransformation products from the insensitive munitions compound 2,4-dinitroanisole. <i>Environmental Toxicology and Chemistry</i> , <b>2016</b> , 35, 2774-2781	3.8	17
140	TBBPA exposure during a sensitive developmental window produces neurobehavioral changes in larval zebrafish. <i>Environmental Pollution</i> , <b>2016</b> , 216, 53-63	9.3	47
139	Quantitation and prediction of sorptive losses during toxicity testing of polycyclic aromatic hydrocarbon (PAH) and nitrated PAH (NPAH) using polystyrene 96-well plates. <i>Neurotoxicology and Teratology</i> , <b>2016</b> , 57, 30-38	3.9	15
138	TBBPA chronic exposure produces sex-specific neurobehavioral and social interaction changes in adult zebrafish. <i>Neurotoxicology and Teratology</i> , <b>2016</b> , 56, 9-15	3.9	28
137	Identification and Toxicological Evaluation of Unsubstituted PAHs and Novel PAH Derivatives in Pavement Sealcoat Products. <i>Environmental Science and Technology Letters</i> , <b>2016</b> , 3, 234-242	11	37
136	Developing a Novel Embryo-Larval Zebrafish Xenograft Assay to Prioritize Human Glioblastoma Therapeutics. <i>Zebrafish</i> , <b>2016</b> , 13, 317-29	2	26
135	Comparative Developmental Toxicity of Flavonoids Using an Integrative Zebrafish System. <i>Toxicological Sciences</i> , <b>2016</b> , 154, 55-68	4.4	25
134	Chronic perfluorooctanesulphonic acid (PFOS) exposure produces estrogenic effects in zebrafish. <i>Environmental Pollution</i> , <b>2016</b> , 218, 702-708	9.3	46
133	Expanding on Successful Concepts, Models, and Organization. <i>Environmental Science &amp; Technology</i> , <b>2016</b> , 50, 8921-2	10.3	1
132	Modulation of the chelatable Zn pool in the brain by diethyldithiocarbamate is associated with behavioral impairment in adult zebrafish. <i>Toxicology Research</i> , <b>2015</b> , 4, 317-325	2.6	4
131	Ligand-Specific Transcriptional Mechanisms Underlie Aryl Hydrocarbon Receptor-Mediated Developmental Toxicity of Oxygenated PAHs. <i>Toxicological Sciences</i> , <b>2015</b> , 147, 397-411	4.4	43
130	Aerobic Bioremediation of PAH Contaminated Soil Results in Increased Genotoxicity and Developmental Toxicity. <i>Environmental Science &amp; Technology</i> , <b>2015</b> , 49, 13889-98	10.3	65
129	Comparative Metal Oxide Nanoparticle Toxicity Using Embryonic Zebrafish. <i>Toxicology Reports</i> , <b>2015</b> , 2, 702-715	4.8	90
128	Advanced morphological - behavioral test platform reveals neurodevelopmental defects in embryonic zebrafish exposed to comprehensive suite of halogenated and organophosphate flame retardants. <i>Toxicological Sciences</i> , <b>2015</b> , 145, 177-95	4.4	180

127	Bisphenol A exposure during early development induces sex-specific changes in adult zebrafish social interactions. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , <b>2015</b> , 78, 50-66 <sup>3,2</sup>	4 <sup>1</sup>
126	Metabolomic analysis to define and compare the effects of PAHs and oxygenated PAHs in developing zebrafish. <i>Environmental Research</i> , <b>2015</b> , 140, 502-10	7.9 45
125	Novel function of vitamin E in regulation of zebrafish ( <i>Danio rerio</i> ) brain lysophospholipids discovered using lipidomics. <i>Journal of Lipid Research</i> , <b>2015</b> , 56, 1182-90	6.3 41
124	Reproductive toxicity of low level bisphenol A exposures in a two-generation zebrafish assay: Evidence of male-specific effects. <i>Aquatic Toxicology</i> , <b>2015</b> , 169, 204-14	5.1 70
123	Otoferlin deficiency in zebrafish results in defects in balance and hearing: rescue of the balance and hearing phenotype with full-length and truncated forms of mouse otoferlin. <i>Molecular and Cellular Biology</i> , <b>2015</b> , 35, 1043-54	4.8 35
122	Chronic exposure of killifish to a highly polluted environment desensitizes estrogen-responsive reproductive and biomarker genes. <i>Aquatic Toxicology</i> , <b>2014</b> , 152, 222-31	5.1 5
121	Investigating alternatives to the fish early-life stage test: a strategy for discovering and annotating adverse outcome pathways for early fish development. <i>Environmental Toxicology and Chemistry</i> , <b>2014</b> , 33, 158-69	3.8 74
120	Activation of $\alpha$ A-containing nicotinic acetylcholine receptors mediates nicotine-induced motor output in embryonic zebrafish. <i>European Journal of Neuroscience</i> , <b>2014</b> , 40, 2225-40	3.5 12
119	An evolutionarily conserved mechanism of calcium-dependent neurotoxicity in a zebrafish model of fetal alcohol spectrum disorders. <i>Alcoholism: Clinical and Experimental Research</i> , <b>2014</b> , 38, 1255-65	3.7 35
118	Proteome-driven elucidation of adaptive responses to combined vitamin E and C deficiency in zebrafish. <i>Journal of Proteome Research</i> , <b>2014</b> , 13, 1647-56	5.6 6
117	The influences of parental diet and vitamin E intake on the embryonic zebrafish transcriptome. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , <b>2014</b> , 10, 22-9	2 18
116	Mono-substituted isopropylated triaryl phosphate, a major component of Firemaster 550, is an AHR agonist that exhibits AHR-independent cardiotoxicity in zebrafish. <i>Aquatic Toxicology</i> , <b>2014</b> , 154, 71-9	5.1 25
115	A Structural Switch between Agonist and Antagonist Bound Conformations for a Ligand-Optimized Model of the Human Aryl Hydrocarbon Receptor Ligand Binding Domain. <i>Biology</i> , <b>2014</b> , 3, 645-69	4.9 34
114	The role of chorion on toxicity of silver nanoparticles in the embryonic zebrafish assay. <i>Environmental Health and Toxicology</i> , <b>2014</b> , 29, e2014021	0.7 76
113	Zebrafish: A marvel of high-throughput biology for 21 century toxicology. <i>Current Environmental Health Reports</i> , <b>2014</b> , 1, 341-352	6.5 61
112	Multidimensional in vivo hazard assessment using zebrafish. <i>Toxicological Sciences</i> , <b>2014</b> , 137, 212-33	4.4 206
111	Toxicity of chlorine to zebrafish embryos. <i>Diseases of Aquatic Organisms</i> , <b>2014</b> , 107, 235-40	1.7 24
110	A rapid throughput approach identifies cognitive deficits in adult zebrafish from developmental exposure to polybrominated flame retardants. <i>NeuroToxicology</i> , <b>2014</b> , 43, 134-142	4.4 32

109	Early life perfluorooctanesulphonic acid (PFOS) exposure impairs zebrafish organogenesis. <i>Aquatic Toxicology</i> , <b>2014</b> , 150, 124-32	5.1	38
108	Novel liquid chromatography-mass spectrometry method shows that vitamin E deficiency depletes arachidonic and docosahexaenoic acids in zebrafish ( <i>Danio rerio</i> ) embryos. <i>Redox Biology</i> , <b>2013</b> , 2, 105-13	11.3	31
107	Structurally distinct polycyclic aromatic hydrocarbons induce differential transcriptional responses in developing zebrafish. <i>Toxicology and Applied Pharmacology</i> , <b>2013</b> , 272, 656-70	4.6	63
106	Zebrafish Assays as Developmental Toxicity Indicators in The Design of TAML Oxidation Catalysts. <i>Green Chemistry</i> , <b>2013</b> , 15, 2339-2343	10	19
105	Retinoic acid-dependent regulation of miR-19 expression elicits vertebrate axis defects. <i>FASEB Journal</i> , <b>2013</b> , 27, 4866-76	0.9	11
104	Chronic vitamin E deficiency promotes vitamin C deficiency in zebrafish leading to degenerative myopathy and impaired swimming behavior. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2013</b> , 157, 382-9	3.2	25
103	Sulfidation of silver nanoparticles: natural antidote to their toxicity. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 13440-8	10.3	309
102	Global gene expression analysis reveals pathway differences between teratogenic and non-teratogenic exposure concentrations of bisphenol A and 17 $\beta$ -estradiol in embryonic zebrafish. <i>Reproductive Toxicology</i> , <b>2013</b> , 38, 89-101	3.4	32
101	A retrospective study of the prevalence and classification of intestinal neoplasia in zebrafish ( <i>Danio rerio</i> ). <i>Zebrafish</i> , <b>2013</b> , 10, 228-36	2	26
100	Integrating zebrafish toxicology and nanoscience for safer product development. <i>Green Chemistry</i> , <b>2013</b> , 15, 872-880	10	21
99	Chronic PFOS exposures induce life stage-specific behavioral deficits in adult zebrafish and produce malformation and behavioral deficits in F1 offspring. <i>Environmental Toxicology and Chemistry</i> , <b>2013</b> , 32, 201-6	3.8	40
98	Silver nanoparticle toxicity in the embryonic zebrafish is governed by particle dispersion and ionic environment. <i>Nanotechnology</i> , <b>2013</b> , 24, 115101	3.4	70
97	Comparative developmental toxicity of environmentally relevant oxygenated PAHs. <i>Toxicology and Applied Pharmacology</i> , <b>2013</b> , 271, 266-75	4.6	138
96	Gold nanoparticles disrupt zebrafish eye development and pigmentation. <i>Toxicological Sciences</i> , <b>2013</b> , 133, 275-88	4.4	121
95	Surface functionalities of gold nanoparticles impact embryonic gene expression responses. <i>Nanotoxicology</i> , <b>2013</b> , 7, 192-201	5.3	55
94	Preparation of water soluble carbon nanotubes and assessment of their biological activity in embryonic zebrafish. <i>International Journal of Biomedical Nanoscience and Nanotechnology</i> , <b>2013</b> , 3, 38-51	0.2	16
93	Nanotoxicology in Green Nanoscience <b>2013</b> , 157-178		
92	Plasma metabolome analysis during human zinc depletion and repletion. <i>FASEB Journal</i> , <b>2013</b> , 27, lb277	0.9	

91	Embryonic toxicity changes of organic nanomaterials in the presence of natural organic matter. <i>Science of the Total Environment</i> , <b>2012</b> , 426, 423-9	10.2	25
90	Zebrafish ( <i>Danio rerio</i> ) fed vitamin E-deficient diets produce embryos with increased morphologic abnormalities and mortality. <i>Journal of Nutritional Biochemistry</i> , <b>2012</b> , 23, 478-86	6.3	66
89	Neurodevelopmental low-dose bisphenol A exposure leads to early life-stage hyperactivity and learning deficits in adult zebrafish. <i>Toxicology</i> , <b>2012</b> , 291, 83-92	4.4	129
88	Calpain 2 is required for the invasion of glioblastoma cells in the zebrafish brain microenvironment. <i>Journal of Neuroscience Research</i> , <b>2012</b> , 90, 769-81	4.4	46
87	Bridging environmental mixtures and toxic effects. <i>Environmental Toxicology and Chemistry</i> , <b>2012</b> , 31, 2877-87	3.8	22
86	Early life stage trimethyltin exposure induces ADP-ribosylation factor expression and perturbs the vascular system in zebrafish. <i>Toxicology</i> , <b>2012</b> , 302, 129-39	4.4	6
85	Non-coding RNAs--novel targets in neurotoxicity. <i>NeuroToxicology</i> , <b>2012</b> , 33, 530-44	4.4	41
84	Zinc transporter expression in zebrafish ( <i>Danio rerio</i> ) during development. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2012</b> , 155, 26-32	3.2	22
83	Persistent adult zebrafish behavioral deficits results from acute embryonic exposure to gold nanoparticles. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2012</b> , 155, 269-74	3.2	81
82	Bioinformatics Resource Manager v2.3: an integrated software environment for systems biology with microRNA and cross-species analysis tools. <i>BMC Bioinformatics</i> , <b>2012</b> , 13, 311	3.6	21
81	Alternate glucocorticoid receptor ligand binding structures influence outcomes in an in vivo tissue regeneration model. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , <b>2012</b> , 156, 121-9	3.2	6
80	AHR2 mutant reveals functional diversity of aryl hydrocarbon receptors in zebrafish. <i>PLoS ONE</i> , <b>2012</b> , 7, e29346	3.7	64
79	The aryl hydrocarbon receptor mediates leflunomide-induced growth inhibition of melanoma cells. <i>PLoS ONE</i> , <b>2012</b> , 7, e40926	3.7	54
78	Investigating the impact of chronic atrazine exposure on sexual development in zebrafish. <i>Birth Defects Research Part B: Developmental and Reproductive Toxicology</i> , <b>2012</b> , 95, 276-88		15
77	Vitamin C deficiency activates the purine nucleotide cycle in zebrafish. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 3833-41	5.4	49
76	MicroRNAs control neurobehavioral development and function in zebrafish. <i>FASEB Journal</i> , <b>2012</b> , 26, 1452-61	0.9	63
75	Automated zebrafish chorion removal and single embryo placement: optimizing throughput of zebrafish developmental toxicity screens. <i>Journal of the Association for Laboratory Automation</i> , <b>2012</b> , 17, 66-74		126
74	Media ionic strength impacts embryonic responses to engineered nanoparticle exposure. <i>Nanotoxicology</i> , <b>2012</b> , 6, 691-9	5.3	47

73	The Ecocopherol transfer protein is essential for vertebrate embryogenesis. <i>PLoS ONE</i> , <b>2012</b> , 7, e47402	3.7	35
72	Nanotoxicology in Green Nanoscience <b>2012</b> , 513-529		
71	Impacts of Dioxin-Activated AHR Signaling in Fish and Birds <b>2011</b> , 299-306		
70	Caudal Fin Regeneration in Zebrafish <b>2011</b> , 307-319		
69	Fishing to Design Inherently Safer Nanoparticles <b>2011</b> , 283-293		
68	Trimethyltin chloride (TMT) neurobehavioral toxicity in embryonic zebrafish. <i>Neurotoxicology and Teratology</i> , <b>2011</b> , 33, 721-6	3.9	42
67	Introduction to zebrafish: current discoveries and emerging technologies for neurobehavioral toxicology and teratology. <i>Neurotoxicology and Teratology</i> , <b>2011</b> , 33, 607	3.9	6
66	Systematic evaluation of nanomaterial toxicity: utility of standardized materials and rapid assays. <i>ACS Nano</i> , <b>2011</b> , 5, 4688-97	16.7	144
65	Differential stability of lead sulfide nanoparticles influences biological responses in embryonic zebrafish. <i>Archives of Toxicology</i> , <b>2011</b> , 85, 787-98	5.8	44
64	Chronic zebrafish PFOS exposure alters sex ratio and maternal related effects in F1 offspring. <i>Environmental Toxicology and Chemistry</i> , <b>2011</b> , 30, 2073-80	3.8	87
63	Chlorpyrifos-oxon disrupts zebrafish axonal growth and motor behavior. <i>Toxicological Sciences</i> , <b>2011</b> , 121, 146-59	4.4	91
62	Evaluation of embryotoxicity using the zebrafish model. <i>Methods in Molecular Biology</i> , <b>2011</b> , 691, 271-9	1.4	160
61	Vitamin E deficiency decreases long-chain PUFA in zebrafish (Danio rerio). <i>Journal of Nutrition</i> , <b>2011</b> , 141, 2113-8	4.1	37
60	Optimizing in vivo Assessment of Nano/bio Interactions to Guide Safer Material Design. <i>Materials Research Society Symposia Proceedings</i> , <b>2011</b> , 1317, 1		1
59	Development and maintenance of a specific pathogen-free (SPF) zebrafish research facility for <i>Pseudoloma neurophilia</i> . <i>Diseases of Aquatic Organisms</i> , <b>2011</b> , 95, 73-9	1.7	58
58	Workshop report. Nanotoxicology: "the end of the beginning" - signs on the roadmap to a strategy for assuring the safe application and use of nanomaterials. <i>ALTEX: Alternatives To Animal Experimentation</i> , <b>2011</b> , 28, 236-41	4.3	14
57	Molecular signaling networks that choreograph epimorphic fin regeneration in zebrafish - a mini-review. <i>Gerontology</i> , <b>2010</b> , 56, 231-40	5.5	58
56	Toxicity, uptake kinetics and behavior assessment in zebrafish embryos following exposure to perfluorooctanesulphonic acid (PFOS). <i>Aquatic Toxicology</i> , <b>2010</b> , 98, 139-47	5.1	183

55	Exploiting lipid-free tubing passive samplers and embryonic zebrafish to link site specific contaminant mixtures to biological responses. <i>Chemosphere</i> , <b>2010</b> , 79, 1-7	8.4	11
54	Polycyclic aromatic hydrocarbons in water, sediment, soil, and plants of the Aojiang River waterway in Wenzhou, China. <i>Journal of Hazardous Materials</i> , <b>2010</b> , 173, 75-81	12.8	110
53	The anti-inflammatory drug leflunomide is an agonist of the aryl hydrocarbon receptor. <i>PLoS ONE</i> , <b>2010</b> , 5, e13128	3.7	81
52	Zebrafish as a model to determine the mechanisms of vitamin E function. <i>FASEB Journal</i> , <b>2010</b> , 24, 534.10.9		
51	Comparative expression profiling reveals an essential role for raldh2 in epimorphic regeneration. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 33642-53	5.4	60
50	Uncoupling nicotine mediated motoneuron axonal pathfinding errors and muscle degeneration in zebrafish. <i>Toxicology and Applied Pharmacology</i> , <b>2009</b> , 237, 29-40	4.6	24
49	AHR-dependent misregulation of Wnt signaling disrupts tissue regeneration. <i>Biochemical Pharmacology</i> , <b>2009</b> , 77, 498-507	6	43
48	Optimization of activation, collection, dilution, and storage methods for zebrafish sperm. <i>Aquaculture</i> , <b>2009</b> , 290, 165-171	4.4	48
47	Endosulfan I and endosulfan sulfate disrupts zebrafish embryonic development. <i>Aquatic Toxicology</i> , <b>2009</b> , 95, 355-61	5.1	71
46	Modeling of the aryl hydrocarbon receptor (AhR) ligand binding domain and its utility in virtual ligand screening to predict new AhR ligands. <i>Journal of Medicinal Chemistry</i> , <b>2009</b> , 52, 5635-41	8.3	96
45	Fullerene C60 exposure elicits an oxidative stress response in embryonic zebrafish. <i>Toxicology and Applied Pharmacology</i> , <b>2008</b> , 229, 44-55	4.6	189
44	Analysis of ethanol developmental toxicity in zebrafish. <i>Methods in Molecular Biology</i> , <b>2008</b> , 447, 63-74	1.4	26
43	Sulfhydryl systems are a critical factor in the zebrafish developmental toxicity of the dithiocarbamate sodium metam (NaM). <i>Aquatic Toxicology</i> , <b>2008</b> , 90, 121-7	5.1	23
42	Repression of aryl hydrocarbon receptor (AHR) signaling by AHR repressor: role of DNA binding and competition for AHR nuclear translocator. <i>Molecular Pharmacology</i> , <b>2008</b> , 73, 387-98	4.3	109
41	Crosstalk between AHR and Wnt signaling through R-Spondin1 impairs tissue regeneration in zebrafish. <i>FASEB Journal</i> , <b>2008</b> , 22, 3087-96	0.9	69
40	Exposure to sodium metam during zebrafish somitogenesis results in early transcriptional indicators of the ensuing neuronal and muscular dysfunction. <i>Toxicological Sciences</i> , <b>2008</b> , 106, 103-12	4.4	25
39	Proactively designing nanomaterials to enhance performance and minimise hazard. <i>International Journal of Nanotechnology</i> , <b>2008</b> , 5, 124	1.5	37
38	In vivo evaluation of carbon fullerene toxicity using embryonic zebrafish. <i>Carbon</i> , <b>2007</b> , 45, 1891-1898	10.4	245

37	Quantification of fullerenes by LC/ESI-MS and its application to in vivo toxicity assays. <i>Analytical Chemistry</i> , <b>2007</b> , 79, 9091-7	7.8	112
36	Unraveling tissue regeneration pathways using chemical genetics. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 35202-10	5.4	140
35	Aryl hydrocarbon receptor activation impairs extracellular matrix remodeling during zebra fish fin regeneration. <i>Toxicological Sciences</i> , <b>2007</b> , 95, 215-26	4.4	52
34	Misexpression of R-Spondin1 Impairs Tissue Regeneration. <i>FASEB Journal</i> , <b>2007</b> , 21, A620	0.9	1
33	Muscular contractions in the zebrafish embryo are necessary to reveal thiuram-induced notochord distortions. <i>Toxicology and Applied Pharmacology</i> , <b>2006</b> , 212, 24-34	4.6	42
32	Dithiocarbamates have a common toxic effect on zebrafish body axis formation. <i>Toxicology and Applied Pharmacology</i> , <b>2006</b> , 216, 55-68	4.6	71
31	Ethanol-dependent toxicity in zebrafish is partially attenuated by antioxidants. <i>Neurotoxicology and Teratology</i> , <b>2006</b> , 28, 497-508	3.9	92
30	Aryl hydrocarbon receptor activation inhibits regenerative growth. <i>Molecular Pharmacology</i> , <b>2006</b> , 69, 257-65	4.3	69
29	Identification of zebrafish ARNT1 homologs: 2,3,7,8-tetrachlorodibenzo-p-dioxin toxicity in the developing zebrafish requires ARNT1. <i>Molecular Pharmacology</i> , <b>2006</b> , 69, 776-87	4.3	72
28	Regenerative growth is impacted by TCDD: gene expression analysis reveals extracellular matrix modulation. <i>Toxicological Sciences</i> , <b>2006</b> , 92, 254-69	4.4	65
27	Molecular cloning, baculovirus expression, and tissue distribution of the zebrafish aldehyde dehydrogenase 2. <i>Drug Metabolism and Disposition</i> , <b>2005</b> , 33, 649-56	4	48
26	Two zebrafish alcohol dehydrogenases share common ancestry with mammalian class I, II, IV, and V alcohol dehydrogenase genes but have distinct functional characteristics. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 38303-12	5.4	68
25	Developmental toxicity of the dithiocarbamate pesticide sodium metam in zebrafish. <i>Toxicological Sciences</i> , <b>2004</b> , 81, 390-400	4.4	90
24	Ethanol- and acetaldehyde-mediated developmental toxicity in zebrafish. <i>Neurotoxicology and Teratology</i> , <b>2004</b> , 26, 769-81	3.9	150
23	Effect of heat preconditioning on the uptake and permeability of R123 in brain microvessel endothelial cells during mild heat treatment. <i>Journal of Pharmaceutical Sciences</i> , <b>2004</b> , 93, 896-907	3.9	13
22	Histological analysis of acute toxicity of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in zebrafish. <i>Aquatic Toxicology</i> , <b>2004</b> , 66, 25-38	5.1	73
21	Identification of a putative calcium-binding protein as a dioxin-responsive gene in zebrafish and rainbow trout. <i>Aquatic Toxicology</i> , <b>2003</b> , 63, 271-82	5.1	14
20	2,3,7,8-tetrachlorodibenzo-p-dioxin inhibits zebrafish caudal fin regeneration. <i>Toxicological Sciences</i> , <b>2003</b> , 76, 151-61	4.4	58

19	Nicotinic receptors mediate changes in spinal motoneuron development and axonal pathfinding in embryonic zebrafish exposed to nicotine. <i>Journal of Neuroscience</i> , <b>2002</b> , 22, 10731-41	6.6	71
18	Identification of a critical amino acid in the aryl hydrocarbon receptor. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 13210-8	5.4	13
17	Tissue-specific expression of AHR2, ARNT2, and CYP1A in zebrafish embryos and larvae: effects of developmental stage and 2,3,7,8-tetrachlorodibenzo-p-dioxin exposure. <i>Toxicological Sciences</i> , <b>2002</b> , 68, 403-19	4.4	173
16	The zebrafish ( <i>Danio rerio</i> ) aryl hydrocarbon receptor type 1 is a novel vertebrate receptor. <i>Molecular Pharmacology</i> , <b>2002</b> , 62, 234-49	4.3	143
15	Identification and expression of alternatively spliced aryl hydrocarbon nuclear translocator 2 (ARNT2) cDNAs from zebrafish with distinct functions. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>2000</b> , 1494, 117-28		64
14	Heat shock protein HSP101 binds to the Fed-1 internal light regulatory element and mediates its high translational activity. <i>Plant Cell</i> , <b>2000</b> , 12, 1213-27	11.6	50
13	Two forms of aryl hydrocarbon receptor type 2 in rainbow trout ( <i>Oncorhynchus mykiss</i> ). Evidence for differential expression and enhancer specificity. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 15159-66	5.4	92
12	Transactivation activity of human, zebrafish, and rainbow trout aryl hydrocarbon receptors expressed in COS-7 cells: greater insight into species differences in toxic potency of polychlorinated dibenzo-p-dioxin, dibenzofuran, and biphenyl congeners. <i>Toxicology and Applied Pharmacology</i> , <b>1999</b> , 159, 41-51	4.6	86
11	Cloning and characterization of the zebrafish ( <i>Danio rerio</i> ) aryl hydrocarbon receptor. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , <b>1999</b> , 1444, 35-48		139
10	Translation initiation factors are differentially regulated in cereals during development and following heat shock. <i>Plant Journal</i> , <b>1998</b> , 14, 715-722	6.9	37
9	Translation initiation factors eIF-iso4G and eIF-4B interact with the poly(A)-binding protein and increase its RNA binding activity. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 16247-55	5.4	210
8	The phosphorylation state of translation initiation factors is regulated developmentally and following heat shock in wheat. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 1046-53	5.4	86
7	The effect of the length of the 3' untranslated region on expression in plants. <i>FEBS Letters</i> , <b>1996</b> , 394, 285-8	3.8	14
6	Isolation and characterization of the 102-kilodalton RNA-binding protein that binds to the 5' and 3' translational enhancers of tobacco mosaic virus RNA. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 14316-22	5.4	52
5	The tobacco etch viral 5' leader and poly(A) tail are functionally synergistic regulators of translation. <i>Gene</i> , <b>1995</b> , 165, 233-8	3.8	94
4	A quantitative HpaII-PCR assay to measure methylation of DNA from a small number of cells. <i>Nucleic Acids Research</i> , <b>1990</b> , 18, 687	20.1	138
3	Leveraging high-throughput screening data and conditional generative adversarial networks to advance predictive toxicology		1
2	Nitrate and nitrite exposure increases anxiety-like behavior and alters brain metabolomic profile in zebrafish		1



- 1 An integrated gene catalog of the zebrafish gut microbiome reveals significant homology with mammalian microbiomes

3