

Robert L Tanguay Or Robyn L Tanguay

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270
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#	Paper	IF	Citations
270	Sulfidation of silver nanoparticles: natural antidote to their toxicity. <i>Environmental Science & Technology</i> , 2013 , 47, 13440-8	10.3	309
269	In vivo evaluation of carbon fullerene toxicity using embryonic zebrafish. <i>Carbon</i> , 2007 , 45, 1891-1898	10.4	245
268	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> , 1997 , 272, 16247-55	5.4	210
267	Multidimensional in vivo hazard assessment using zebrafish. <i>Toxicological Sciences</i> , 2014 , 137, 212-33	4.4	206
266	Fullerene C60 exposure elicits an oxidative stress response in embryonic zebrafish. <i>Toxicology and Applied Pharmacology</i> , 2008 , 229, 44-55	4.6	189
265	Toxicity, uptake kinetics and behavior assessment in zebrafish embryos following exposure to perfluorooctanesulphonic acid (PFOS). <i>Aquatic Toxicology</i> , 2010 , 98, 139-47	5.1	183
264	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> , 2015 , 145, 177-95	4.4	180
263	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> , 2002 , 68, 403-19	4.4	173
262	Evaluation of embryotoxicity using the zebrafish model. <i>Methods in Molecular Biology</i> , 2011 , 691, 271-9	1.4	160
261	Ethanol- and acetaldehyde-mediated developmental toxicity in zebrafish. <i>Neurotoxicology and Teratology</i> , 2004 , 26, 769-81	3.9	150
260	Systematic evaluation of nanomaterial toxicity: utility of standardized materials and rapid assays. <i>ACS Nano</i> , 2011 , 5, 4688-97	16.7	144
259	The zebrafish (<i>Danio rerio</i>) aryl hydrocarbon receptor type 1 is a novel vertebrate receptor. <i>Molecular Pharmacology</i> , 2002 , 62, 234-49	4.3	143
258	Unraveling tissue regeneration pathways using chemical genetics. <i>Journal of Biological Chemistry</i> , 2007 , 282, 35202-10	5.4	140
257	Cloning and characterization of the zebrafish (<i>Danio rerio</i>) aryl hydrocarbon receptor. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1999 , 1444, 35-48		139
256	Comparative developmental toxicity of environmentally relevant oxygenated PAHs. <i>Toxicology and Applied Pharmacology</i> , 2013 , 271, 266-75	4.6	138
255	A quantitative HpaII-PCR assay to measure methylation of DNA from a small number of cells. <i>Nucleic Acids Research</i> , 1990 , 18, 687	20.1	138
254	Advancements in zebrafish applications for 21st century toxicology. <i>Pharmacology & Therapeutics</i> , 2016 , 161, 11-21	13.9	132

253	Neurodevelopmental low-dose bisphenol A exposure leads to early life-stage hyperactivity and learning deficits in adult zebrafish. <i>Toxicology</i> , 2012 , 291, 83-92	4.4	129
252	Automated zebrafish chorion removal and single embryo placement: optimizing throughput of zebrafish developmental toxicity screens. <i>Journal of the Association for Laboratory Automation</i> , 2012 , 17, 66-74		126
251	Gold nanoparticles disrupt zebrafish eye development and pigmentation. <i>Toxicological Sciences</i> , 2013 , 133, 275-88	4.4	121
250	Quantification of fullerenes by LC/ESI-MS and its application to in vivo toxicity assays. <i>Analytical Chemistry</i> , 2007 , 79, 9091-7	7.8	112
249	Polycyclic aromatic hydrocarbons in water, sediment, soil, and plants of the Aojiang River waterway in Wenzhou, China. <i>Journal of Hazardous Materials</i> , 2010 , 173, 75-81	12.8	110
248	Repression of aryl hydrocarbon receptor (AHR) signaling by AHR repressor: role of DNA binding and competition for AHR nuclear translocator. <i>Molecular Pharmacology</i> , 2008 , 73, 387-98	4.3	109
247	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> , 2009 , 52, 5635-41	8.3	96
246	The tobacco etch viral 5'leader and poly(A) tail are functionally synergistic regulators of translation. <i>Gene</i> , 1995 , 165, 233-8	3.8	94
245	Ethanol-dependent toxicity in zebrafish is partially attenuated by antioxidants. <i>Neurotoxicology and Teratology</i> , 2006 , 28, 497-508	3.9	92
244	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> , 1999 , 274, 15159-66	5.4	92
243	Chlorpyrifos-oxon disrupts zebrafish axonal growth and motor behavior. <i>Toxicological Sciences</i> , 2011 , 121, 146-59	4.4	91
242	Comparative Metal Oxide Nanoparticle Toxicity Using Embryonic Zebrafish. <i>Toxicology Reports</i> , 2015 , 2, 702-715	4.8	90
241	Developmental toxicity of the dithiocarbamate pesticide sodium metam in zebrafish. <i>Toxicological Sciences</i> , 2004 , 81, 390-400	4.4	90
240	High-throughput characterization of chemical-associated embryonic behavioral changes predicts teratogenic outcomes. <i>Archives of Toxicology</i> , 2016 , 90, 1459-70	5.8	89
239	Chronic zebrafish PFOS exposure alters sex ratio and maternal related effects in F1 offspring. <i>Environmental Toxicology and Chemistry</i> , 2011 , 30, 2073-80	3.8	87
238	The phosphorylation state of translation initiation factors is regulated developmentally and following heat shock in wheat. <i>Journal of Biological Chemistry</i> , 1997 , 272, 1046-53	5.4	86
237	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> , 1999 , 159, 41-51	4.6	86
236	Triclosan Exposure Is Associated with Rapid Restructuring of the Microbiome in Adult Zebrafish. <i>PLoS ONE</i> , 2016 , 11, e0154632	3.7	86

235	Peptide-MHC-based nanomedicines for autoimmunity function as T-cell receptor microclustering devices. <i>Nature Nanotechnology</i> , 2017 , 12, 701-710	28.7	81
234	Persistent adult zebrafish behavioral deficits results from acute embryonic exposure to gold nanoparticles. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2012 , 155, 269-74	3.2	81
233	The anti-inflammatory drug leflunomide is an agonist of the aryl hydrocarbon receptor. <i>PLoS ONE</i> , 2010 , 5, e13128	3.7	81
232	Potential Environmental Impacts and Antimicrobial Efficacy of Silver- and Nanosilver-Containing Textiles. <i>Environmental Science & Technology</i> , 2016 , 50, 4018-26	10.3	79
231	Completing the Link between Exposure Science and Toxicology for Improved Environmental Health Decision Making: The Aggregate Exposure Pathway Framework. <i>Environmental Science & Technology</i> , 2016 , 50, 4579-86	10.3	76
230	The role of chorion on toxicity of silver nanoparticles in the embryonic zebrafish assay. <i>Environmental Health and Toxicology</i> , 2014 , 29, e2014021	0.7	76
229	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> , 2014 , 33, 158-69	3.8	74
228	Transgenerational inheritance of neurobehavioral and physiological deficits from developmental exposure to benzo[a]pyrene in zebrafish. <i>Toxicology and Applied Pharmacology</i> , 2017 , 329, 148-157	4.6	73
227	Histological analysis of acute toxicity of 2,3,7,8-tetrachlorodibenzo-p-dioxin (TCDD) in zebrafish. <i>Aquatic Toxicology</i> , 2004 , 66, 25-38	5.1	73
226	Comparative developmental toxicity of a comprehensive suite of polycyclic aromatic hydrocarbons. <i>Archives of Toxicology</i> , 2018 , 92, 571-586	5.8	72
225	Identification of zebrafish ARNT1 homologs: 2,3,7,8-tetrachlorodibenzo-p-dioxin toxicity in the developing zebrafish requires ARNT1. <i>Molecular Pharmacology</i> , 2006 , 69, 776-87	4.3	72
224	Endosulfan I and endosulfan sulfate disrupts zebrafish embryonic development. <i>Aquatic Toxicology</i> , 2009 , 95, 355-61	5.1	71
223	Dithiocarbamates have a common toxic effect on zebrafish body axis formation. <i>Toxicology and Applied Pharmacology</i> , 2006 , 216, 55-68	4.6	71
222	Nicotinic receptors mediate changes in spinal motoneuron development and axonal pathfinding in embryonic zebrafish exposed to nicotine. <i>Journal of Neuroscience</i> , 2002 , 22, 10731-41	6.6	71
221	Silver nanoparticle toxicity in the embryonic zebrafish is governed by particle dispersion and ionic environment. <i>Nanotechnology</i> , 2013 , 24, 115101	3.4	70
220	Reproductive toxicity of low level bisphenol A exposures in a two-generation zebrafish assay: Evidence of male-specific effects. <i>Aquatic Toxicology</i> , 2015 , 169, 204-14	5.1	70
219	Crosstalk between AHR and Wnt signaling through R-Spondin1 impairs tissue regeneration in zebrafish. <i>FASEB Journal</i> , 2008 , 22, 3087-96	0.9	69
218	Aryl hydrocarbon receptor activation inhibits regenerative growth. <i>Molecular Pharmacology</i> , 2006 , 69, 257-65	4.3	69

217	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> , 2004 , 279, 38303-12	5.4	68
216	Zebrafish (<i>Danio rerio</i>) fed vitamin E-deficient diets produce embryos with increased morphologic abnormalities and mortality. <i>Journal of Nutritional Biochemistry</i> , 2012 , 23, 478-86	6.3	66
215	Aerobic Bioremediation of PAH Contaminated Soil Results in Increased Genotoxicity and Developmental Toxicity. <i>Environmental Science & Technology</i> , 2015 , 49, 13889-98	10.3	65
214	Regenerative growth is impacted by TCDD: gene expression analysis reveals extracellular matrix modulation. <i>Toxicological Sciences</i> , 2006 , 92, 254-69	4.4	65
213	AHR2 mutant reveals functional diversity of aryl hydrocarbon receptors in zebrafish. <i>PLoS ONE</i> , 2012 , 7, e29346	3.7	64
212	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> , 2000 , 1494, 117-28		64
211	Structurally distinct polycyclic aromatic hydrocarbons induce differential transcriptional responses in developing zebrafish. <i>Toxicology and Applied Pharmacology</i> , 2013 , 272, 656-70	4.6	63
210	MicroRNAs control neurobehavioral development and function in zebrafish. <i>FASEB Journal</i> , 2012 , 26, 1452-61	0.9	63
209	Zebrafish: A marvel of high-throughput biology for 21 century toxicology. <i>Current Environmental Health Reports</i> , 2014 , 1, 341-352	6.5	61
208	Colloidal Gold Nanoparticles Induce Changes in Cellular and Subcellular Morphology. <i>ACS Nano</i> , 2017 , 11, 7807-7820	16.7	60
207	Comparative expression profiling reveals an essential role for raldh2 in epimorphic regeneration. <i>Journal of Biological Chemistry</i> , 2009 , 284, 33642-53	5.4	60
206	Molecular signaling networks that choreograph epimorphic fin regeneration in zebrafish - a mini-review. <i>Gerontology</i> , 2010 , 56, 231-40	5.5	58
205	Development and maintenance of a specific pathogen-free (SPF) zebrafish research facility for <i>Pseudoloma neurophila</i> . <i>Diseases of Aquatic Organisms</i> , 2011 , 95, 73-9	1.7	58
204	2,3,7,8-tetrachlorodibenzo-p-dioxin inhibits zebrafish caudal fin regeneration. <i>Toxicological Sciences</i> , 2003 , 76, 151-61	4.4	58
203	Synergistic Toxicity Produced by Mixtures of Biocompatible Gold Nanoparticles and Widely Used Surfactants. <i>ACS Nano</i> , 2018 , 12, 5312-5322	16.7	55
202	Surface functionalities of gold nanoparticles impact embryonic gene expression responses. <i>Nanotoxicology</i> , 2013 , 7, 192-201	5.3	55
201	The aryl hydrocarbon receptor mediates leflunomide-induced growth inhibition of melanoma cells. <i>PLoS ONE</i> , 2012 , 7, e40926	3.7	54
200	Developmental benzo[a]pyrene (B[a]P) exposure impacts larval behavior and impairs adult learning in zebrafish. <i>Neurotoxicology and Teratology</i> , 2017 , 59, 27-34	3.9	53

199	Aryl hydrocarbon receptor activation impairs extracellular matrix remodeling during zebra fish fin regeneration. <i>Toxicological Sciences</i> , 2007 , 95, 215-26	4.4	52
198	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> , 1996 , 271, 14316-22	5.4	52
197	Heat shock protein HSP101 binds to the Fed-1 internal light regulatory element and mediates its high translational activity. <i>Plant Cell</i> , 2000 , 12, 1213-27	11.6	50
196	Vitamin C deficiency activates the purine nucleotide cycle in zebrafish. <i>Journal of Biological Chemistry</i> , 2012 , 287, 3833-41	5.4	49
195	Optimization of activation, collection, dilution, and storage methods for zebrafish sperm. <i>Aquaculture</i> , 2009 , 290, 165-171	4.4	48
194	Molecular cloning, baculovirus expression, and tissue distribution of the zebrafish aldehyde dehydrogenase 2. <i>Drug Metabolism and Disposition</i> , 2005 , 33, 649-56	4	48
193	Zebrafish embryo toxicity of 15 chlorinated, brominated, and iodinated disinfection by-products. <i>Journal of Environmental Sciences</i> , 2017 , 58, 302-310	6.4	47
192	Media ionic strength impacts embryonic responses to engineered nanoparticle exposure. <i>Nanotoxicology</i> , 2012 , 6, 691-9	5.3	47
191	TBBPA exposure during a sensitive developmental window produces neurobehavioral changes in larval zebrafish. <i>Environmental Pollution</i> , 2016 , 216, 53-63	9.3	47
190	Systematic developmental neurotoxicity assessment of a representative PAH Superfund mixture using zebrafish. <i>Toxicology and Applied Pharmacology</i> , 2018 , 354, 115-125	4.6	46
189	Calpain 2 is required for the invasion of glioblastoma cells in the zebrafish brain microenvironment. <i>Journal of Neuroscience Research</i> , 2012 , 90, 769-81	4.4	46
188	Chronic perfluorooctanesulphonic acid (PFOS) exposure produces estrogenic effects in zebrafish. <i>Environmental Pollution</i> , 2016 , 218, 702-708	9.3	46
187	Metabolomic analysis to define and compare the effects of PAHs and oxygenated PAHs in developing zebrafish. <i>Environmental Research</i> , 2015 , 140, 502-10	7.9	45
186	Differential stability of lead sulfide nanoparticles influences biological responses in embryonic zebrafish. <i>Archives of Toxicology</i> , 2011 , 85, 787-98	5.8	44
185	Ligand-Specific Transcriptional Mechanisms Underlie Aryl Hydrocarbon Receptor-Mediated Developmental Toxicity of Oxygenated PAHs. <i>Toxicological Sciences</i> , 2015 , 147, 397-411	4.4	43
184	AHR-dependent misregulation of Wnt signaling disrupts tissue regeneration. <i>Biochemical Pharmacology</i> , 2009 , 77, 498-507	6	43
183	Trimethyltin chloride (TMT) neurobehavioral toxicity in embryonic zebrafish. <i>Neurotoxicology and Teratology</i> , 2011 , 33, 721-6	3.9	42
182	Muscular contractions in the zebrafish embryo are necessary to reveal thiuram-induced notochord distortions. <i>Toxicology and Applied Pharmacology</i> , 2006 , 212, 24-34	4.6	42

181	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> , 2015 , 78, 50-66 ^{3,2}	4 ¹
180	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> , 2016 , 148, 361-8	8.4 4 ¹
179	Novel function of vitamin E in regulation of zebrafish (<i>Danio rerio</i>) brain lysophospholipids discovered using lipidomics. <i>Journal of Lipid Research</i> , 2015 , 56, 1182-90	6.3 4 ¹
178	Non-coding RNAs--novel targets in neurotoxicity. <i>NeuroToxicology</i> , 2012 , 33, 530-44	4.4 4 ¹
177	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> , 2013 , 32, 201-6	3.8 4 ⁰
176	Developmental bisphenol A exposure impairs sperm function and reproduction in zebrafish. <i>Chemosphere</i> , 2017 , 169, 262-270	8.4 3 ⁹
175	Optimizing multi-dimensional high throughput screening using zebrafish. <i>Reproductive Toxicology</i> , 2016 , 65, 139-147	3.4 3 ⁸
174	Early life perfluorooctanesulphonic acid (PFOS) exposure impairs zebrafish organogenesis. <i>Aquatic Toxicology</i> , 2014 , 150, 124-32	5.1 3 ⁸
173	Vitamin E deficiency decreases long-chain PUFA in zebrafish (<i>Danio rerio</i>). <i>Journal of Nutrition</i> , 2011 , 141, 2113-8	4.1 3 ⁷
172	Translation initiation factors are differentially regulated in cereals during development and following heat shock. <i>Plant Journal</i> , 1998 , 14, 715-722	6.9 3 ⁷
171	Proactively designing nanomaterials to enhance performance and minimise hazard. <i>International Journal of Nanotechnology</i> , 2008 , 5, 124	1.5 3 ⁷
170	Identification and Toxicological Evaluation of Unsubstituted PAHs and Novel PAH Derivatives in Pavement Sealcoat Products. <i>Environmental Science and Technology Letters</i> , 2016 , 3, 234-242	11 3 ⁷
169	Assessment of the developmental and neurotoxicity of the mosquito control larvicide, pyriproxyfen, using embryonic zebrafish. <i>Environmental Pollution</i> , 2016 , 218, 1089-1093	9.3 3 ⁶
168	Phenotypically anchored transcriptome profiling of developmental exposure to the antimicrobial agent, triclosan, reveals hepatotoxicity in embryonic zebrafish. <i>Toxicology and Applied Pharmacology</i> , 2016 , 308, 32-45	4.6 3 ⁶
167	Facility Design and Health Management Program at the Sinnhuber Aquatic Research Laboratory. <i>Zebrafish</i> , 2016 , 13 Suppl 1, S39-43	2 3 ⁵
166	An evolutionarily conserved mechanism of calcium-dependent neurotoxicity in a zebrafish model of fetal alcohol spectrum disorders. <i>Alcoholism: Clinical and Experimental Research</i> , 2014 , 38, 1255-65	3.7 3 ⁵
165	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> , 2015 , 35, 1043-54	4.8 3 ⁵
164	The Tocopherol transfer protein is essential for vertebrate embryogenesis. <i>PLoS ONE</i> , 2012 , 7, e47402	3.7 3 ⁵

163	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> , 2014 , 3, 645-69	4.9	34
162	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> , 2017 , 112, 308-317	7.8	34
161	Advancing toxicology research using in vivo high throughput toxicology with small fish models. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2016 , 33, 435-452	4.3	34
160	A multidisciplinary investigation of the technical and environmental performances of TAML/peroxide elimination of Bisphenol A compounds from water. <i>Green Chemistry</i> , 2017 , 19, 4234-4262 ¹⁰		33
159	Global gene expression analysis reveals pathway differences between teratogenic and non-teratogenic exposure concentrations of bisphenol A and 17 β -Estradiol in embryonic zebrafish. <i>Reproductive Toxicology</i> , 2013 , 38, 89-101	3.4	32
158	A rapid throughput approach identifies cognitive deficits in adult zebrafish from developmental exposure to polybrominated flame retardants. <i>NeuroToxicology</i> , 2014 , 43, 134-142	4.4	32
157	Developmental and behavioral alterations in zebrafish embryonically exposed to valproic acid (VPA): An aquatic model for autism. <i>Neurotoxicology and Teratology</i> , 2018 , 66, 8-16	3.9	31
156	Trade-offs in ecosystem impacts from nanomaterial versus organic chemical ultraviolet filters in sunscreens. <i>Water Research</i> , 2018 , 139, 281-290	12.5	31
155	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> , 2013 , 2, 105-113 ^{11,3}		31
154	Lethal dysregulation of energy metabolism during embryonic vitamin E deficiency. <i>Free Radical Biology and Medicine</i> , 2017 , 104, 324-332	7.8	30
153	AHR2 required for normal behavioral responses and proper development of the skeletal and reproductive systems in zebrafish. <i>PLoS ONE</i> , 2018 , 13, e0193484	3.7	30
152	Mechanistic Investigations Into the Developmental Toxicity of Nitrated and Heterocyclic PAHs. <i>Toxicological Sciences</i> , 2017 , 157, 246-259	4.4	29
151	In Vivo Characterization of an AHR-Dependent Long Noncoding RNA Required for Proper Expression. <i>Molecular Pharmacology</i> , 2017 , 91, 609-619	4.3	28
150	TBBPA chronic exposure produces sex-specific neurobehavioral and social interaction changes in adult zebrafish. <i>Neurotoxicology and Teratology</i> , 2016 , 56, 9-15	3.9	28
149	A retrospective study of the prevalence and classification of intestinal neoplasia in zebrafish (<i>Danio rerio</i>). <i>Zebrafish</i> , 2013 , 10, 228-36	2	26
148	Analysis of ethanol developmental toxicity in zebrafish. <i>Methods in Molecular Biology</i> , 2008 , 447, 63-74	1.4	26
147	Developing a Novel Embryo-Larval Zebrafish Xenograft Assay to Prioritize Human Glioblastoma Therapeutics. <i>Zebrafish</i> , 2016 , 13, 317-29	2	26
146	Biodegradability and toxicity of monorhamnolipid biosurfactant diastereomers. <i>Journal of Hazardous Materials</i> , 2019 , 364, 600-607	12.8	26

145	Comparative Analysis of Zebrafish and Planarian Model Systems for Developmental Neurotoxicity Screens Using an 87-Compound Library. <i>Toxicological Sciences</i> , 2019 , 167, 15-25	4.4	25
144	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> , 2014 , 154, 71-9	5.1	25
143	Embryonic toxicity changes of organic nanomaterials in the presence of natural organic matter. <i>Science of the Total Environment</i> , 2012 , 426, 423-9	10.2	25
142	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> , 2013 , 157, 382-9	3.2	25
141	Exposure to sodium metam during zebrafish somitogenesis results in early transcriptional indicators of the ensuing neuronal and muscular dysfunction. <i>Toxicological Sciences</i> , 2008 , 106, 103-12	4.4	25
140	Comparative Developmental Toxicity of Flavonoids Using an Integrative Zebrafish System. <i>Toxicological Sciences</i> , 2016 , 154, 55-68	4.4	25
139	Coupling Genome-wide Transcriptomics and Developmental Toxicity Profiles in Zebrafish to Characterize Polycyclic Aromatic Hydrocarbon (PAH) Hazard. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	24
138	Vitamin E deficiency during embryogenesis in zebrafish causes lasting metabolic and cognitive impairments despite refeeding adequate diets. <i>Free Radical Biology and Medicine</i> , 2017 , 110, 250-260	7.8	24
137	Toxicity of chlorine to zebrafish embryos. <i>Diseases of Aquatic Organisms</i> , 2014 , 107, 235-40	1.7	24
136	Uncoupling nicotine mediated motoneuron axonal pathfinding errors and muscle degeneration in zebrafish. <i>Toxicology and Applied Pharmacology</i> , 2009 , 237, 29-40	4.6	24
135	Toward safer multi-walled carbon nanotube design: Establishing a statistical model that relates surface charge and embryonic zebrafish mortality. <i>Nanotoxicology</i> , 2016 , 10, 10-9	5.3	23
134	Population genetic diversity in zebrafish lines. <i>Mammalian Genome</i> , 2018 , 29, 90-100	3.2	23
133	Sulfhydryl systems are a critical factor in the zebrafish developmental toxicity of the dithiocarbamate sodium metam (NaM). <i>Aquatic Toxicology</i> , 2008 , 90, 121-7	5.1	23
132	Harmonizing across environmental nanomaterial testing media for increased comparability of nanomaterial datasets. <i>Environmental Science: Nano</i> , 2020 , 7, 13-36	7.1	23
131	ZEBRAFISH AS AN IN VIVO MODEL FOR SUSTAINABLE CHEMICAL DESIGN. <i>Green Chemistry</i> , 2016 , 18, 6410-6430	10	22
130	Bridging environmental mixtures and toxic effects. <i>Environmental Toxicology and Chemistry</i> , 2012 , 31, 2877-87	3.8	22
129	Zinc transporter expression in zebrafish (<i>Danio rerio</i>) during development. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2012 , 155, 26-32	3.2	22
128	Characterizing sources of variability in zebrafish embryo screening protocols. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2019 , 36, 103-120	4.3	22

127	Lipidomics and H ₂ (¹⁸ O) labeling techniques reveal increased remodeling of DHA-containing membrane phospholipids associated with abnormal locomotor responses in β -tocopherol deficient zebrafish (<i>danio rerio</i>) embryos. <i>Redox Biology</i> , 2016 , 8, 165-74	11.3	21
126	Integrating zebrafish toxicology and nanoscience for safer product development. <i>Green Chemistry</i> , 2013 , 15, 872-880	10	21
125	Bioinformatics Resource Manager v2.3: an integrated software environment for systems biology with microRNA and cross-species analysis tools. <i>BMC Bioinformatics</i> , 2012 , 13, 311	3.6	21
124	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> , 2018 , 343, 340-346	12.8	20
123	Formation of Developmentally Toxic Phenanthrene Metabolite Mixtures by <i>Mycobacterium</i> sp. ELW1. <i>Environmental Science & Technology</i> , 2017 , 51, 8569-8578	10.3	20
122	Combinatorial effects of zinc deficiency and arsenic exposure on zebrafish (<i>Danio rerio</i>) development. <i>PLoS ONE</i> , 2017 , 12, e0183831	3.7	19
121	The Rise of Zebrafish as a Model for Toxicology. <i>Toxicological Sciences</i> , 2018 , 163, 3-4	4.4	19
120	Zebrafish Assays as Developmental Toxicity Indicators in The Design of TAML Oxidation Catalysts. <i>Green Chemistry</i> , 2013 , 15, 2339-2343	10	19
119	Induction of apoptosis and suppression of tumor growth by Nur77-derived Bcl-2 converting peptide in chemoresistant lung cancer cells. <i>Oncotarget</i> , 2018 , 9, 26072-26085	3.3	19
118	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> , 2014 , 10, 22-9	2	18
117	Mutagenicity assessment downstream of oil and gas produced water discharges intended for agricultural beneficial reuse. <i>Science of the Total Environment</i> , 2020 , 715, 136944	10.2	18
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- 1 Leveraging a High-Throughput Screening Method to Identify Mechanisms of Individual Susceptibility Differences in a Genetically Diverse Zebrafish Model.. *Frontiers in Toxicology*, **2022**, 4, 846221¹⁶