

Lisa Truong

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.

93
papers

2,673
citations

29
h-index

50
g-index

98
ext. papers

3,199
ext. citations

5.6
avg, IF

5.33
L-index

#	Paper	IF	Citations
93	Sulfonamide functional head on short-chain perfluorinated substance drives developmental toxicity.. <i>IScience</i> , 2022 , 25, 103789	6.1	0
92	Implementation of Zebrafish Ontologies for Toxicology Screening.. <i>Frontiers in Toxicology</i> , 2022 , 4, 817998	1.6	0
91	Transcriptomic and Long-Term Behavioral Deficits Associated with Developmental 3.5 GHz Radiofrequency Radiation Exposures in Zebrafish.. <i>Environmental Science and Technology Letters</i> , 2022 , 9, 327-332	11	0
90	Systematic developmental toxicity assessment of a structurally diverse library of PFAS in zebrafish.. <i>Journal of Hazardous Materials</i> , 2022 , 431, 128615	12.8	1
89	Leveraging a High-Throughput Screening Method to Identify Mechanisms of Individual Susceptibility Differences in a Genetically Diverse Zebrafish Model.. <i>Frontiers in Toxicology</i> , 2022 , 4, 846221	1.6	1
88	Developmental, Behavioral and Transcriptomic Changes in Zebrafish Embryos after Smoke Dye Exposure. <i>Toxics</i> , 2022 , 10, 210	4.7	1
87	Zinc oxide-induced changes to sunscreen ingredient efficacy and toxicity under UV irradiation. <i>Photochemical and Photobiological Sciences</i> , 2021 , 20, 1273-1285	4.2	0
86	Developmental titanium dioxide nanoparticle exposure induces oxidative stress and neurobehavioral changes in zebrafish. <i>Aquatic Toxicology</i> , 2021 , 240, 105990	5.1	2
85	Uncovering Evidence for Endocrine-Disrupting Chemicals That Elicit Differential Susceptibility through Gene-Environment Interactions. <i>Toxics</i> , 2021 , 9,	4.7	1
84	Phenotypically Anchored mRNA and miRNA Expression Profiling in Zebrafish Reveals Flame Retardant Chemical Toxicity Networks. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 663032	5.7	4
83	Behavior Effects of Structurally Diverse Per- and Polyfluoroalkyl Substances in Zebrafish. <i>Chemical Research in Toxicology</i> , 2021 , 34, 1409-1416	4	4
82	Concurrent Evaluation of Mortality and Behavioral Responses: A Fast and Efficient Testing Approach for High-Throughput Chemical Hazard Identification.. <i>Frontiers in Toxicology</i> , 2021 , 3, 670496	1.6	2
81	Leveraging high-throughput screening data, deep neural networks, and conditional generative adversarial networks to advance predictive toxicology. <i>PLoS Computational Biology</i> , 2021 , 17, e1009135	5	6
80	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> , 2021 , 131, 142-157	3.7	0
79	Developmental toxicity in zebrafish (<i>Danio rerio</i>) exposed to uranium: A comparison with lead, cadmium, and iron. <i>Environmental Pollution</i> , 2021 , 269, 116097	9.3	6
78	Morphological and Behavioral Effects in Zebrafish Embryos after Exposure to Smoke Dyes. <i>Toxics</i> , 2021 , 9,	4.7	5
77	Systematic Assessment of Exposure Variations on Observed Bioactivity in Zebrafish Chemical Screening. <i>Toxics</i> , 2020 , 8,	4.7	3

76	Nitrate and Nitrite Treatment Affect Zebrafish Behavior and Brain Metabolomic Profile. <i>Current Developments in Nutrition</i> , 2020 , 4, 1190-1190	0.4	78
75	Impacts of high dose 3.5 GHz cellphone radiofrequency on zebrafish embryonic development. <i>PLoS ONE</i> , 2020 , 15, e0235869	3.7	8
74	Nitrate and nitrite exposure leads to mild anxiogenic-like behavior and alters brain metabolomic profile in zebrafish. <i>PLoS ONE</i> , 2020 , 15, e0240070	3.7	6
73	Rapid well-plate assays for motor and social behaviors in larval zebrafish. <i>Behavioural Brain Research</i> , 2020 , 391, 112625	3.4	11
72	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
71	Assessing the hazard of E-Cigarette flavor mixtures using zebrafish. <i>Food and Chemical Toxicology</i> , 2020 , 136, 110945	4.7	11
70	The multi-dimensional embryonic zebrafish platform predicts flame retardant bioactivity. <i>Reproductive Toxicology</i> , 2020 , 96, 359-369	3.4	10
69	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> , 2019 , 149, 2120-2132	4.1	7
68	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
67	Determination of narcotic potency using a neurobehavioral assay with larval zebrafish. <i>NeuroToxicology</i> , 2019 , 74, 67-73	4.4	3
66	Formation of PAH Derivatives and Increased Developmental Toxicity during Steam Enhanced Extraction Remediation of Creosote Contaminated Superfund Soil. <i>Environmental Science & Technology</i> , 2019 , 53, 4460-4469	10.3	15
65	Systematic determination of the relationship between nanoparticle core diameter and toxicity for a series of structurally analogous gold nanoparticles in zebrafish. <i>Nanotoxicology</i> , 2019 , 13, 879-893	5.3	14
64	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
63	Profiling 58 compounds including cosmetic-relevant chemicals using ToxRefDB and ToxCast. <i>Food and Chemical Toxicology</i> , 2019 , 132, 110718	4.7	4
62	Glucocorticoid receptor-dependent induction of () inhibits zebrafish caudal fin regeneration. <i>Toxicology Reports</i> , 2019 , 6, 529-537	4.8	5
61	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> , 2019 , 697, 134210	10.2	3
60	Multivariate modeling of engineered nanomaterial features associated with developmental toxicity. <i>NanoImpact</i> , 2019 , 16, 100185-100185	5.6	4
59	Time-dependent behavioral data from zebrafish reveals novel signatures of chemical toxicity using point of departure analysis. <i>Computational Toxicology</i> , 2019 , 9, 50-60	3.1	4

58	Developing and interpreting aqueous functional assays for comparative property-activity relationships of different nanoparticles. <i>Science of the Total Environment</i> , 2018 , 628-629, 1609-1616	10.2	2
57	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
56	Population genetic diversity in zebrafish lines. <i>Mammalian Genome</i> , 2018 , 29, 90-100	3.2	23
55	Comparative developmental toxicity of a comprehensive suite of polycyclic aromatic hydrocarbons. <i>Archives of Toxicology</i> , 2018 , 92, 571-586	5.8	72
54	Synergistic Toxicity Produced by Mixtures of Biocompatible Gold Nanoparticles and Widely Used Surfactants. <i>ACS Nano</i> , 2018 , 12, 5312-5322	16.7	55
53	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
52	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
51	Predicting in vivo effect levels for repeat-dose systemic toxicity using chemical, biological, kinetic and study covariates. <i>Archives of Toxicology</i> , 2018 , 92, 587-600	5.8	7
50	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> , 2018 , 126, 117002	8.4	13
49	Elucidating Gene-by-Environment Interactions Associated with Differential Susceptibility to Chemical Exposure. <i>Environmental Health Perspectives</i> , 2018 , 126, 067010	8.4	14
48	Adverse effects of parental zinc deficiency on metal homeostasis and embryonic development in a zebrafish model. <i>Journal of Nutritional Biochemistry</i> , 2017 , 43, 78-87	6.3	17
47	Mechanistic Investigations Into the Developmental Toxicity of Nitrated and Heterocyclic PAHs. <i>Toxicological Sciences</i> , 2017 , 157, 246-259	4.4	29
46	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
45	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
44	Investigating the application of a nitroreductase-expressing transgenic zebrafish line for high-throughput toxicity testing. <i>Toxicology Reports</i> , 2017 , 4, 202-210	4.8	7
43	A data-driven weighting scheme for multivariate phenotypic endpoints recapitulates zebrafish developmental cascades. <i>Toxicology and Applied Pharmacology</i> , 2017 , 314, 109-117	4.6	8
42	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
41	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

40	Identification of a Raloxifene Analog That Promotes AhR-Mediated Apoptosis in Cancer Cells. <i>Biology</i> , 2017 , 6,	4.9	6
39	Formation of Developmentally Toxic Phenanthrene Metabolite Mixtures by Mycobacterium sp. ELW1. <i>Environmental Science & Technology</i> , 2017 , 51, 8569-8578	10.3	20
38	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	10	33
37	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
36	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
35	Residual weakly bound ligands influence biological compatibility of mixed ligand shell, thiol-stabilized gold nanoparticles. <i>Environmental Science: Nano</i> , 2017 , 4, 1634-1646	7.1	4
34	A New Statistical Approach to Characterize Chemical-Elicited Behavioral Effects in High-Throughput Studies Using Zebrafish. <i>PLoS ONE</i> , 2017 , 12, e0169408	3.7	13
33	Evaluation of Embryotoxicity Using the Zebrafish Model. <i>Methods in Molecular Biology</i> , 2017 , 1641, 325-333	3.3	9
32	Integrating Morphological and Behavioral Phenotypes in Developing Zebrafish 2017 , 259-272		2
31	High-throughput characterization of chemical-associated embryonic behavioral changes predicts teratogenic outcomes. <i>Archives of Toxicology</i> , 2016 , 90, 1459-70	5.8	89
30	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	36
29	Better, Faster, Cheaper: Getting the Most Out of High-Throughput Screening with Zebrafish. <i>Methods in Molecular Biology</i> , 2016 , 1473, 89-98	1.4	4
28	Optimizing multi-dimensional high throughput screening using zebrafish. <i>Reproductive Toxicology</i> , 2016 , 65, 139-147	3.4	38
27	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> , 2016 , 3, 406-408	11	
26	Aggregate entropy scoring for quantifying activity across endpoints with irregular correlation structure. <i>Reproductive Toxicology</i> , 2016 , 62, 92-9	3.4	10
25	Lipidomics and H2(18)O labeling techniques reveal increased remodeling of DHA-containing membrane phospholipids associated with abnormal locomotor responses in Etocopherol deficient zebrafish (danio rerio) embryos. <i>Redox Biology</i> , 2016 , 8, 165-74	11.3	21
24	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	6
23	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	37

22	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
21	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
20	Multidimensional in vivo hazard assessment using zebrafish. <i>Toxicological Sciences</i> , 2014 , 137, 212-33	4.4	206
19	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
18	Zebrafish Assays as Developmental Toxicity Indicators in The Design of TAML Oxidation Catalysts. <i>Green Chemistry</i> , 2013 , 15, 2339-2343	10	19
17	Sulfidation of silver nanoparticles: natural antidote to their toxicity. <i>Environmental Science & Technology</i> , 2013 , 47, 13440-8	10.3	309
16	Silver nanoparticle toxicity in the embryonic zebrafish is governed by particle dispersion and ionic environment. <i>Nanotechnology</i> , 2013 , 24, 115101	3.4	70
15	Comparative developmental toxicity of environmentally relevant oxygenated PAHs. <i>Toxicology and Applied Pharmacology</i> , 2013 , 271, 266-75	4.6	138
14	Surface functionalities of gold nanoparticles impact embryonic gene expression responses. <i>Nanotoxicology</i> , 2013 , 7, 192-201	5.3	55
13	Preparation of water soluble carbon nanotubes and assessment of their biological activity in embryonic zebrafish. <i>International Journal of Biomedical Nanoscience and Nanotechnology</i> , 2013 , 3, 38-51 ^{0.2}		16
12	Rapid In Vivo Assessment of the Nano/Bio Interface 2013 ,		2
11	Early life stage trimethyltin exposure induces ADP-ribosylation factor expression and perturbs the vascular system in zebrafish. <i>Toxicology</i> , 2012 , 302, 129-39	4.4	6
10	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
9	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
8	Media ionic strength impacts embryonic responses to engineered nanoparticle exposure. <i>Nanotoxicology</i> , 2012 , 6, 691-9	5.3	47
7	Fishing to Design Inherently Safer Nanoparticles 2011 , 283-293		
6	Predation by zooplankton on Batrachochytrium dendrobatidis: biological control of the deadly amphibian chytrid fungus?. <i>Biodiversity and Conservation</i> , 2011 , 20, 3549-3553	3.4	50
5	Differential stability of lead sulfide nanoparticles influences biological responses in embryonic zebrafish. <i>Archives of Toxicology</i> , 2011 , 85, 787-98	5.8	44

- 4 Evaluation of embryotoxicity using the zebrafish model. *Methods in Molecular Biology*, **2011**, 691, 271-9 1.4 160
- 3 Optimizing in vivo Assessment of Nano/bio Interactions to Guide Safer Material Design. *Materials Research Society Symposia Proceedings*, **2011**, 1317, 1 1
- 2 Leveraging high-throughput screening data and conditional generative adversarial networks to advance predictive toxicology 1
- 1 Nitrate and nitrite exposure increases anxiety-like behavior and alters brain metabolomic profile in zebrafish 1