

Zhenghong Zuo

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/815904/publications.pdf>

Version: 2024-02-01

107
papers

2,972
citations

147801

31
h-index

223800

46
g-index

110
all docs

110
docs citations

110
times ranked

3458
citing authors

#	ARTICLE	IF	CITATIONS
1	Tributyltin causes obesity and hepatic steatosis in male mice. <i>Environmental Toxicology</i> , 2011, 26, 79-85.	4.0	122
2	Remote Regulation of Membrane Channel Activity by Site-Specific Localization of Lanthanide-Doped Upconversion Nanocrystals. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3031-3035.	13.8	121
3	Phenanthrene causes ocular developmental toxicity in zebrafish embryos and the possible mechanisms involved. <i>Journal of Hazardous Materials</i> , 2013, 261, 172-180.	12.4	84
4	Levels of Heavy Metals and Trace Elements in Umbilical Cord Blood and the Risk of Adverse Pregnancy Outcomes: a Population-Based Study. <i>Biological Trace Element Research</i> , 2014, 160, 437-444.	3.5	76
5	Effect of tributyltin on the development of ovary in female cuvier (<i>Sebastiscus marmoratus</i>). <i>Aquatic Toxicology</i> , 2007, 83, 174-179.	4.0	73
6	DNA hypomethylation induced by tributyltin, triphenyltin, and a mixture of these in <i>Sebastiscus marmoratus</i> liver. <i>Aquatic Toxicology</i> , 2009, 95, 93-98.	4.0	67
7	Association of Serum Heavy Metals and Trace Element Concentrations with Reproductive Hormone Levels and Polycystic Ovary Syndrome in a Chinese Population. <i>Biological Trace Element Research</i> , 2015, 167, 1-10.	3.5	66
8	Benzo[a]pyrene exposure influences the cardiac development and the expression of cardiovascular relative genes in zebrafish (<i>Danio rerio</i>) embryos. <i>Chemosphere</i> , 2012, 87, 369-375.	8.2	64
9	Chronic Exposure to Tributyltin Chloride Induces Pancreatic Islet Cell Apoptosis and Disrupts Glucose Homeostasis in Male Mice. <i>Environmental Science & Technology</i> , 2014, 48, 5179-5186.	10.0	62
10	Low-level pyrene exposure causes cardiac toxicity in zebrafish (<i>Danio rerio</i>) embryos. <i>Aquatic Toxicology</i> , 2012, 114-115, 119-124.	4.0	61
11	Embryonic exposure to benzo(a)pyrene inhibits reproductive capability in adult female zebrafish and correlation with DNA methylation. <i>Environmental Pollution</i> , 2018, 240, 403-411.	7.5	59
12	Chronic exposure to low benzo[a]pyrene level causes neurodegenerative disease-like syndromes in zebrafish (<i>Danio rerio</i>). <i>Aquatic Toxicology</i> , 2015, 167, 200-208.	4.0	58
13	Phenanthrene exposure induces cardiac hypertrophy via reducing miR-133a expression by DNA methylation. <i>Scientific Reports</i> , 2016, 6, 20105.	3.3	58
14	Tributyltin exposure causes brain damage in <i>Sebastiscus marmoratus</i> . <i>Chemosphere</i> , 2008, 73, 337-343.	8.2	53
15	Phenanthrene exposure produces cardiac defects during embryo development of zebrafish (<i>Danio</i>)	8.2	52
16	Use of toxicogenomics to predict the potential toxic effect of Benzo(a)pyrene on zebrafish embryos: Ocular developmental toxicity. <i>Chemosphere</i> , 2014, 108, 55-61.	8.2	51
17	Reproductive and transgenerational toxicities of phenanthrene on female marine medaka (<i>Oryzias</i>)	4.0	51
18	Black Phosphorus Quantum Dots Cause Nephrotoxicity in Organoids, Mice, and Human Cells. <i>Small</i> , 2020, 16, e2001371.	10.0	47

#	ARTICLE	IF	CITATIONS
19	Pyrene exposure influences the thyroid development of <i>Sebastiscus marmoratus</i> embryos. <i>Aquatic Toxicology</i> , 2012, 124-125, 28-33.	4.0	46
20	Zebrafish (<i>Danio rerio</i>) as an excellent vertebrate model for the development, reproductive, cardiovascular, and neural and ocular development toxicity study of hazardous chemicals. <i>Environmental Science and Pollution Research</i> , 2020, 27, 43599-43614.	5.3	46
21	Chronic Exposure to Phenanthrene Influences the Spermatogenesis of Male <i>Sebastiscus marmoratus</i> : U-Shaped Effects and the Reason for Them. <i>Environmental Science & Technology</i> , 2011, 45, 10212-10218.	10.0	43
22	Phenanthrene exposure causes cardiac arrhythmia in embryonic zebrafish via perturbing calcium handling. <i>Aquatic Toxicology</i> , 2013, 142-143, 26-32.	4.0	43
23	AhR Agonist Activity Confirmation of Polyhalogenated Carbazoles (PHCZs) Using an Integration of in Vitro, in Vivo, and in Silico Models. <i>Environmental Science & Technology</i> , 2019, 53, 14716-14723.	10.0	43
24	Effects of benzo(a)pyrene on the skeletal development of <i>Sebastiscus marmoratus</i> embryos and the molecular mechanism involved. <i>Aquatic Toxicology</i> , 2011, 101, 335-341.	4.0	40
25	Tributyltin exposure causes lipotoxicity responses in the ovaries of rockfish, <i>Sebastiscus marmoratus</i> . <i>Chemosphere</i> , 2013, 90, 1294-1299.	8.2	39
26	Tributyltin chloride results in dorsal curvature in embryo development of <i>Sebastiscus marmoratus</i> via apoptosis pathway. <i>Chemosphere</i> , 2011, 82, 437-442.	8.2	38
27	Acute administration of tributyltin and trimethyltin modulate glutamate and N-methyl-d-aspartate receptor signaling pathway in <i>Sebastiscus marmoratus</i> . <i>Aquatic Toxicology</i> , 2009, 92, 44-49.	4.0	35
28	Hexavalent Chromium Cr(VI) Up-Regulates COX-2 Expression through an NF κ B/c-Jun/AP-1-Dependent Pathway. <i>Environmental Health Perspectives</i> , 2012, 120, 547-553.	6.0	35
29	Toxicogenomic analysis in the combined effect of tributyltin and benzo[a]pyrene on the development of zebrafish embryos. <i>Aquatic Toxicology</i> , 2015, 158, 157-164.	4.0	34
30	Early-Life Benzo[a]Pyrene Exposure Causes Neurodegenerative Syndromes in Adult Zebrafish (<i>Danio rerio</i>) <i>Environmental Health Perspectives</i> , 2017, 125, 101-110.	8.1	33
31	Acute trimethyltin exposure induces oxidative stress response and neuronal apoptosis in <i>Sebastiscus marmoratus</i> . <i>Aquatic Toxicology</i> , 2008, 90, 58-64.	4.0	32
32	Exposure to low dose benzo[a]pyrene during early life stages causes symptoms similar to cardiac hypertrophy in adult zebrafish. <i>Journal of Hazardous Materials</i> , 2014, 276, 377-382.	12.4	32
33	Inhibition by polycyclic aromatic hydrocarbons of ATPase activities in <i>Sebastiscus marmoratus</i> larvae: Relationship with the development of early life stages. <i>Marine Environmental Research</i> , 2011, 71, 86-90.	2.5	31
34	Exposure to tributyltin and triphenyltin induces DNA damage and alters nucleotide excision repair gene transcription in <i>Sebastiscus marmoratus</i> liver. <i>Aquatic Toxicology</i> , 2012, 122-123, 106-112.	4.0	31
35	Tributyltin exposure results in craniofacial cartilage defects in rockfish (<i>Sebastiscus marmoratus</i>) embryos. <i>Marine Environmental Research</i> , 2012, 77, 6-11.	2.5	31
36	Tributyltin exposure influences predatory behavior, neurotransmitter content and receptor expression in <i>Sebastiscus marmoratus</i> . <i>Aquatic Toxicology</i> , 2013, 128-129, 158-162.	4.0	31

#	ARTICLE	IF	CITATIONS
37	RNA m6A Modification Alteration by Black Phosphorus Quantum Dots Regulates Cell Ferroptosis: Implications for Nanotoxicological Assessment. <i>Small Methods</i> , 2021, 5, e2001045.	8.6	31
38	Effects of low-level hexabromocyclododecane (HBCD) exposure on cardiac development in zebrafish embryos. <i>Ecotoxicology</i> , 2013, 22, 1200-1207.	2.4	30
39	Chronic Exposure to Aroclor 1254 Disrupts Glucose Homeostasis in Male Mice via Inhibition of the Insulin Receptor Signal Pathway. <i>Environmental Science & Technology</i> , 2015, 49, 10084-10092.	10.0	30
40	Embryonic exposure to benzo(a)pyrene influences neural development and function in rockfish (<i>Sebastes marmoratus</i>). <i>NeuroToxicology</i> , 2012, 33, 758-762.	3.0	29
41	Comparison of developmental toxicity of different surface modified CdSe/ZnS QDs in zebrafish embryos. <i>Journal of Environmental Sciences</i> , 2021, 100, 240-249.	6.1	29
42	Tributyltin in male mice disrupts glucose homeostasis as well as recovery after exposure: mechanism analysis. <i>Archives of Toxicology</i> , 2017, 91, 3261-3269.	4.2	27
43	The interference effects of bisphenol A on the synthesis of steroid hormones in human ovarian granulosa cells. <i>Environmental Toxicology</i> , 2021, 36, 665-674.	4.0	27
44	High mobility group Box-1 inhibits cancer cell motility and metastasis by suppressing activation of transcription factor CREB and nWASP expression. <i>Oncotarget</i> , 2014, 5, 7458-7470.	1.8	27
45	Protective effects of fucoxanthin and fucoxanthinol against tributyltin-induced oxidative stress in HepG2 cells. <i>Environmental Science and Pollution Research</i> , 2018, 25, 5582-5589.	5.3	26
46	A pilot study on polycystic ovarian syndrome caused by neonatal exposure to tributyltin and bisphenol A in rats. <i>Chemosphere</i> , 2019, 231, 151-160.	8.2	26
47	Exposure to low-level metalaxyl impacts the cardiac development and function of zebrafish embryos. <i>Journal of Environmental Sciences</i> , 2019, 85, 1-8.	6.1	26
48	Resveratrol ameliorates polycystic ovary syndrome via transzonal projections within oocyte-granulosa cell communication. <i>Theranostics</i> , 2022, 12, 782-795.	10.0	26
49	Hexabromocyclododecane exposure induces cardiac hypertrophy and arrhythmia by inhibiting miR-1 expression via up-regulation of the homeobox gene <i>Nkx2.5</i> . <i>Journal of Hazardous Materials</i> , 2016, 302, 304-313.	12.4	25
50	The developmental effects of low-level procymidone towards zebrafish embryos and involved mechanism. <i>Chemosphere</i> , 2018, 193, 928-935.	8.2	25
51	Apoptotic and Necrotic Action Mechanisms of Trimethyltin in Human Hepatoma G2 (HepG2) Cells. <i>Chemical Research in Toxicology</i> , 2009, 22, 1582-1587.	3.3	24
52	Pyrene exposure influences the craniofacial cartilage development of <i>Sebastes marmoratus</i> embryos. <i>Marine Environmental Research</i> , 2012, 77, 30-34.	2.5	24
53	Maternal and embryonic exposure to the water soluble fraction of crude oil or lead induces behavioral abnormalities in zebrafish (<i>Danio rerio</i>), and the mechanisms involved. <i>Chemosphere</i> , 2018, 191, 7-16.	8.2	22
54	Cytotoxicity of black phosphorus quantum dots on lung-derived cells and the underlying mechanisms. <i>Journal of Hazardous Materials</i> , 2021, 402, 122875.	12.4	22

#	ARTICLE	IF	CITATIONS
55	Developmental exposure to mepanipyrim induces locomotor hyperactivity in zebrafish (<i>Danio rerio</i>) larvae. <i>Chemosphere</i> , 2020, 256, 127106.	8.2	22
56	Maternal exposure to the water soluble fraction of crude oil, lead and their mixture induces autism-like behavioral deficits in zebrafish (<i>Danio rerio</i>) larvae. <i>Ecotoxicology and Environmental Safety</i> , 2016, 134, 23-30.	6.0	21
57	Exposure of <i>Sebastiscus marmoratus</i> embryos to pyrene results in neurodevelopmental defects and disturbs related mechanisms. <i>Aquatic Toxicology</i> , 2012, 116-117, 109-115.	4.0	20
58	Bioaccumulation and the expression of hepatic cytochrome P450 genes in marine medaka (<i>Oryzias latipes</i>). <i>Journal of Environmental Sciences</i> , 2010, 22, 10-15.	6.1	20
59	Phenotypic characterization, virulence, and immunogenicity of <i>Pseudomonas plecoglossicida</i> rpoE knock-down strain. <i>Fish and Shellfish Immunology</i> , 2019, 87, 772-777.	3.6	20
60	Exposure to the AhR agonist cyprodinil impacts the cardiac development and function of zebrafish larvae. <i>Ecotoxicology and Environmental Safety</i> , 2020, 201, 110808.	6.0	19
61	Association of serum organochlorine pesticides concentrations with reproductive hormone levels and polycystic ovary syndrome in a Chinese population. <i>Chemosphere</i> , 2017, 171, 595-600.	8.2	18
62	Reproductive effects of life-cycle exposure to difenoconazole on female marine medaka (<i>Oryzias latipes</i>). <i>Journal of Environmental Sciences</i> , 2010, 22, 10-15.	2.4	18
63	Combined effects of ocean acidification and crude oil pollution on tissue damage and lipid metabolism in embryo-larval development of marine medaka (<i>Oryzias melastigma</i>). <i>Environmental Geochemistry and Health</i> , 2019, 41, 1847-1860.	3.4	18
64	Bioassay system for the detection of aryl hydrocarbon receptor agonists in waterborne pesticides using zebrafish cyp1a1 promoter-luciferase recombinant hepatic cells. <i>Chemosphere</i> , 2019, 220, 61-68.	8.2	18
65	Influence of difenoconazole on lipid metabolism in marine medaka (<i>Oryzias melastigma</i>). <i>Ecotoxicology</i> , 2016, 25, 982-990.	2.4	17
66	Exposure to environmental level phenanthrene induces a NASH-like phenotype in new born rat. <i>Environmental Pollution</i> , 2018, 239, 261-271.	7.5	17
67	Fenbuconazole exposure impacts the development of zebrafish embryos. <i>Ecotoxicology and Environmental Safety</i> , 2018, 158, 293-299.	6.0	17
68	Exposure to Aroclor 1254 persistently suppresses the functions of pancreatic β -cells and deteriorates glucose homeostasis in male mice. <i>Environmental Pollution</i> , 2019, 249, 822-830.	7.5	17
69	Transcriptome Analysis of Male and Female <i>Sebastiscus marmoratus</i> . <i>PLoS ONE</i> , 2012, 7, e50676.	2.5	16
70	Tissue-specific and embryonic expression of the retinoid X receptors in <i>Sebastiscus marmoratus</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2009, 154, 221-228.	1.6	15
71	Exposure to difenoconazole inhibits reproductive ability in male marine medaka (<i>Oryzias melastigma</i>). <i>Journal of Environmental Sciences</i> , 2018, 63, 126-132.	6.1	15
72	Adolescent exposure to environmental level of PCBs (Aroclor 1254) induces non-alcoholic fatty liver disease in male mice. <i>Environmental Research</i> , 2020, 181, 108909.	7.5	15

#	ARTICLE	IF	CITATIONS
73	Graphene oxide quantum dot exposure induces abnormalities in locomotor activities and mechanisms in zebrafish (<i>Danio rerio</i>). <i>Journal of Applied Toxicology</i> , 2020, 40, 794-803.	2.8	15
74	Improvement in the screening performance of potential aryl hydrocarbon receptor ligands by using supervised machine learning. <i>Chemosphere</i> , 2021, 265, 129099.	8.2	15
75	Neonatal exposure to environment-relevant levels of tributyltin leads to uterine dysplasia in rats. <i>Science of the Total Environment</i> , 2020, 720, 137615.	8.0	15
76	Exogenous leptin promotes the recovery of regressed ovary in fasted ducks. <i>Animal Reproduction Science</i> , 2009, 110, 306-318.	1.5	14
77	Generation of a Tg(<i>cyp1a</i> -12DRE:EGFP) transgenic zebrafish line as a rapid in vivo model for detecting dioxin-like compounds. <i>Aquatic Toxicology</i> , 2018, 205, 174-181.	4.0	14
78	Chronic exposure to environmentally realistic levels of diuron impacts the behaviour of adult marine medaka (<i>Oryzias melastigma</i>). <i>Aquatic Toxicology</i> , 2021, 238, 105917.	4.0	13
79	The concentration-dependent induction of cell death by trimethyltin chloride in rat liver epithelial IAR20 cells. <i>Toxicology in Vitro</i> , 2008, 22, 1136-1142.	2.4	11
80	Influences of Domoic Acid Exposure on Cardiac Development and the Expression of Cardiovascular Relative Genes in Zebrafish (<i>Danio rerio</i>) Embryos. <i>Journal of Biochemical and Molecular Toxicology</i> , 2015, 29, 254-260.	3.0	11
81	Remote Regulation of Membrane Channel Activity by Site-Specific Localization of Lanthanide-Doped Upconversion Nanocrystals. <i>Angewandte Chemie</i> , 2017, 129, 3077-3081.	2.0	11
82	Exposure to Aroclor 1254 differentially affects the survival of pancreatic β -cells and δ -cells in the male mice and the potential reason. <i>Ecotoxicology and Environmental Safety</i> , 2020, 188, 109875.	6.0	11
83	Generation and application of a Tg(<i>cyp1a</i> :egfp) transgenic marine medaka (<i>Oryzias melastigma</i>) line as an in vivo assay to sensitively detect dioxin-like compounds in the environment. <i>Journal of Hazardous Materials</i> , 2020, 391, 122192.	12.4	11
84	Tributyltin exposure disturbs hepatic glucose metabolism in male mice. <i>Toxicology</i> , 2019, 425, 152242.	4.2	10
85	Long-term exposure to environmental level of phenanthrene causes adaptive immune response and fibrosis in mouse kidneys. <i>Environmental Pollution</i> , 2021, 283, 117028.	7.5	10
86	Long-term exposure to cyprodinil causes abnormal zebrafish aggressive and antipredator behavior through the hypothalamic-pituitary-interrenal axis. <i>Aquatic Toxicology</i> , 2021, 241, 106002.	4.0	10
87	Screening of potential oestrogen receptor β agonists in pesticides via in silico, in vitro and in vivo methods. <i>Environmental Pollution</i> , 2021, 270, 116015.	7.5	9
88	PRIMER NOTE: Isolation and characterization of microsatellite loci from a commercial cultivar of <i>Porphyra haitanensis</i> . <i>Molecular Ecology Notes</i> , 2006, 7, 522-524.	1.7	8
89	Modulation of the DNA repair system and ATR-p53 mediated apoptosis is relevant for tributyltin-induced genotoxic effects in human hepatoma G2 cells. <i>Journal of Environmental Sciences</i> , 2015, 27, 108-114.	6.1	8
90	Maternal Supplementation with β -Carotene During Pregnancy Disturbs Lipid Metabolism and Glucose Homeostasis in F1 Female Mice. <i>Molecular Nutrition and Food Research</i> , 2019, 63, e1900072.	3.3	8

#	ARTICLE	IF	CITATIONS
91	Mepanipyrim induces cardiotoxicity of zebrafish (<i>Danio rerio</i>) larvae via promoting AhR-regulated COX expression pathway. <i>Journal of Environmental Sciences</i> , 2023, 125, 650-661.	6.1	8
92	Increasing transient expression of CAT gene in <i>Porphyra haitanensis</i> by Matrix attachment regions and 18S rDNA targeted homologous recombination. <i>Aquaculture Research</i> , 2007, 38, 681-688.	1.8	7
93	Differential gene expression in the brain of <i>Sebastiscus marmoratus</i> in response to exposure to polychlorinated biphenyls (PCBs). <i>Marine Environmental Research</i> , 2008, 66, 548-552.	2.5	7
94	Cloning, expression and identification of two glutathione S-transferase isoenzymes from <i>Perna viridis</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2013, 165, 277-285.	1.6	7
95	The protective effects of Nile tilapia (<i>Oreochromis niloticus</i>) scale collagen hydrolysate against oxidative stress induced by tributyltin in HepG2 cells. <i>Environmental Science and Pollution Research</i> , 2019, 26, 3612-3620.	5.3	7
96	Early life PCB138 exposure induces kidney injury secondary to hyperuricemia in male mice. <i>Environmental Pollution</i> , 2022, 301, 118977.	7.5	7
97	Acute and Subacute Safety Evaluation of Black Tea Extract (Herb Tea Essences) in Mice. <i>Toxics</i> , 2022, 10, 286.	3.7	6
98	Aroclor 1254 causes atrophy of exocrine pancreas in mice and the mechanism involved. <i>Environmental Toxicology</i> , 2016, 31, 671-678.	4.0	5
99	Sacran polysaccharide improves atopic dermatitis through inhibiting Th2 type immune response. <i>Life Sciences</i> , 2022, 288, 120205.	4.3	5
100	Parental diuron exposure causes lower hatchability and abnormal ovarian development in offspring of medaka (<i>Oryzias melastigma</i>). <i>Aquatic Toxicology</i> , 2022, 244, 106106.	4.0	5
101	Aryl hydrocarbon receptor agonist diuron and its metabolites cause reproductive disorders in male marine medaka (<i>Oryzias melastigma</i>). <i>Chemosphere</i> , 2022, 305, 135388.	8.2	5
102	Identification of differentially expressed genes in the brain of <i>Sebastiscus marmoratus</i> in response to tributyltin exposure. <i>Aquatic Toxicology</i> , 2010, 99, 248-255.	4.0	4
103	Acute and subacute oral toxicity of propylene glycol enantiomers in mice and the underlying nephrotoxic mechanism. <i>Environmental Pollution</i> , 2021, 290, 118050.	7.5	2
104	Zebrafish as a Model to Study Autism Spectrum Disorder Caused by Environmental Chemicals Exposure. , 2016, 06, .		1
105	Remote Regulation of Membrane Channel Activity by Site-Specific Localization of Lanthanide-Doped Upconversion Nanocrystals (<i>Angew. Chem.</i> 11/2017). <i>Angewandte Chemie</i> , 2017, 129, 3156-3156.	2.0	1
106	Developmental toxicity and neurotoxicity assessment of R-, S-, and RS-propylene glycol enantiomers in zebrafish (<i>Danio rerio</i>) larvae. <i>Environmental Science and Pollution Research</i> , 2022, 29, 30537-30547.	5.3	1
107	Nanoparticle-Induced m6A RNA Modification: Detection Methods, Mechanisms and Applications. <i>Nanomaterials</i> , 2022, 12, 389.	4.1	1