Zhenghong Zuo

List of Publications by Year
in descending order

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	Mepanipyrim induces cardiotoxicity of zebrafish (Danio rerio) larvae via promoting AhR-regulated COX expression pathway. Journal of Environmental Sciences, 2023, 125, 650-661.	6.1	8
2	Developmental toxicity and neurotoxicity assessment of R-, S-, and RS-propylene glycol enantiomers in zebrafish (Danio rerio) larvae. Environmental Science and Pollution Research, 2022, 29, 30537-30547.	5.3	1
3	Resveratrol ameliorates polycystic ovary syndrome via transzonal projections within oocyte-granulosa cell communication. Theranostics, 2022, 12, 782-795.	10.0	26
4	Nanoparticle-Induced m6A RNA Modification: Detection Methods, Mechanisms and Applications. Nanomaterials, 2022, 12, 389.	4.1	1
5	Sacran polysaccharide improves atopic dermatitis through inhibiting Th2 type immune response. Life Sciences, 2022, 288, 120205.	4.3	5
6	Parental diuron exposure causes lower hatchability and abnormal ovarian development in offspring of medaka (Oryzias melastigma). Aquatic Toxicology, 2022, 244, 106106.	4.0	5
7	Early life PCB138 exposure induces kidney injury secondary to hyperuricemia in male mice. Environmental Pollution, 2022, 301, 118977.	7.5	7
8	Acute and Subacute Safety Evaluation of Black Tea Extract (Herbt Tea Essences) in Mice. Toxics, 2022, 10, 286.	3.7	6
9	Aryl hydrocarbon receptor agonist diuron and its metabolites cause reproductive disorders in male marine medaka (Oryzias melastigma). Chemosphere, 2022, 305, 135388.	8.2	5
10	Cytotoxicity of black phosphorus quantum dots on lung-derived cells and the underlying mechanisms. Journal of Hazardous Materials, 2021, 402, 122875.	12.4	22
11	Improvement in the screening performance of potential aryl hydrocarbon receptor ligands by using supervised machine learning. Chemosphere, 2021, 265, 129099.	8.2	15
12	Screening of potential oestrogen receptor Î± agonists in pesticides via in silico, inÂvitro and inÂvivo methods. Environmental Pollution, 2021, 270, 116015.	7.5	9
13	The interference effects of bisphenol A on the synthesis of steroid hormones in human ovarian granulosa cells. Environmental Toxicology, 2021, 36, 665-674.	4.0	27
14	Comparison of developmental toxicity of different surface modified CdSe/ZnS QDs in zebrafish embryos. Journal of Environmental Sciences, 2021, 100, 240-249.	6.1	29
15	RNA m6A Modification Alteration by Black Phosphorus Quantum Dots Regulates Cell Ferroptosis: Implications for Nanotoxicological Assessment. Small Methods, 2021, 5, e2001045.	8.6	31
16	Long-term exposure to environmental level of phenanthrene causes adaptive immune response and fibrosis in mouse kidneys. Environmental Pollution, 2021, 283, 117028.	7.5	10
17	Chronic exposure to environmentally realistic levels of diuron impacts the behaviour of adult marine medaka (Oryzias melastigma). Aquatic Toxicology, 2021, 238, 105917.	4.0	13
18	Acute and subacute oral toxicity of propylene glycol enantiomers in mice and the underlying nephrotoxic mechanism. Environmental Pollution, 2021, 290, 118050.	7.5	2

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19	Long-term exposure to cyprodinil causes abnormal zebrafish aggressive and antipredator behavior through the hypothalamicâ€“pituitaryâ€“interrenal axis. Aquatic Toxicology, 2021, 241, 106002.	4.0	10
20	Exposure to Aroclor 1254 differentially affects the survival of pancreatic Î²-cells and Î±-cells in the male mice and the potential reason. Ecotoxicology and Environmental Safety, 2020, 188, 109875.	6.0	11
21	Adolescent exposure to environmental level of PCBs (Aroclor 1254) induces non-alcoholic fatty liver disease in male mice. Environmental Research, 2020, 181, 108909.	7.5	15
22	Zebrafish (Danio rerio) as an excellent vertebrate model for the development, reproductive, cardiovascular, and neural and ocular development toxicity study of hazardous chemicals. Environmental Science and Pollution Research, 2020, 27, 43599-43614.	5.3	46
23	Exposure to the AhR agonist cyprodinil impacts the cardiac development and function of zebrafish larvae. Ecotoxicology and Environmental Safety, 2020, 201, 110808.	6.0	19
24	Graphene oxide quantum dot exposure induces abnormalities in locomotor activities and mechanisms in zebrafish (<scp>Danio rerio</scp>). Journal of Applied Toxicology, 2020, 40, 794-803.	2.8	15
25	Generation and application of a Tg(cyp1a:egfp) transgenic marine medaka (Oryzias melastigma) line as an in vivo assay to sensitively detect dioxin-like compounds in the environment. Journal of Hazardous Materials, 2020, 391, 122192.	12.4	11
26	Black Phosphorus Quantum Dots Cause Nephrotoxicity in Organoids, Mice, and Human Cells. Small, 2020, 16, e2001371.	10.0	47
27	Developmental exposure to mepanipyrim induces locomotor hyperactivity in zebrafish (Danio rerio) larvae. Chemosphere, 2020, 256, 127106.	8.2	22
28	Neonatal exposure to environment-relevant levels of tributyltin leads to uterine dysplasia in rats. Science of the Total Environment, 2020, 720, 137615.	8.0	15
29	Combined effects of ocean acidification and crude oil pollution on tissue damage and lipid metabolism in embryoâ€“larval development of marine medaka (Oryzias melastigma). Environmental Geochemistry and Health, 2019, 41, 1847-1860.	3.4	18
30	Tributyltin exposure disturbs hepatic glucose metabolism in male mice. Toxicology, 2019, 425, 152242.	4.2	10
31	A pilot study on polycystic ovarian syndrome caused by neonatal exposure to tributyltin and bisphenol A in rats. Chemosphere, 2019, 231, 151-160.	8.2	26
32	Exposure to low-level metalaxyl impacts the cardiac development and function of zebrafish embryos. Journal of Environmental Sciences, 2019, 85, 1-8.	6.1	26
33	Exposure to Aroclor 1254 persistently suppresses the functions of pancreatic Î²-cells and deteriorates glucose homeostasis in male mice. Environmental Pollution, 2019, 249, 822-830.	7.5	17
34	Phenotypic characterization, virulence, and immunogenicity of Pseudomonas plecoglossicida rpoE knock-down strain. Fish and Shellfish Immunology, 2019, 87, 772-777.	3.6	20
35	Maternal Supplementation with Î²â€Carotene During Pregnancy Disturbs Lipid Metabolism and Glucose Homoeostasis in F1 Female Mice. Molecular Nutrition and Food Research, 2019, 63, e1900072.	3.3	8
36	AhR Agonist Activity Confirmation of Polyhalogenated Carbazoles (PHCZs) Using an Integration of in Vitro, in Vivo, and in Silico Models. Environmental Science & Technology, 2019, 53, 14716-14723.	10.0	43

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37	Bioassay system for the detection of aryl hydrocarbon receptor agonists in waterborne pesticides using zebrafish cyp1a1 promoter-luciferase recombinant hepatic cells. Chemosphere, 2019, 220, 61-68.	8.2	18
38	The protective effects of Nile tilapia (Oreochromis niloticus) scale collagen hydrolysate against oxidative stress induced by tributyltin in HepG2 cells. Environmental Science and Pollution Research, 2019, 26, 3612-3620.	5.3	7
39	Exposure to environmental level phenanthrene induces a NASH-like phenotype in new born rat. Environmental Pollution, 2018, 239, 261-271.	7.5	17
40	The developmental effects of low-level procymidone towards zebrafish embryos and involved mechanism. Chemosphere, 2018, 193, 928-935.	8.2	25
41	Fenbuconazole exposure impacts the development of zebrafish embryos. Ecotoxicology and Environmental Safety, 2018, 158, 293-299.	6.0	17
42	Exposure to difenoconazole inhibits reproductive ability in male marine medaka (Oryzias melastigma). Journal of Environmental Sciences, 2018, 63, 126-132.	6.1	15
43	Maternal and embryonic exposure to the water soluble fraction of crude oil or lead induces behavioral abnormalities in zebrafish (Danio rerio), and the mechanisms involved. Chemosphere, 2018, 191, 7-16.	8.2	22
44	Protective effects of fucoxanthin and fucoxanthinol against tributyltin-induced oxidative stress in HepG2 cells. Environmental Science and Pollution Research, 2018, 25, 5582-5589.	5.3	26
45	Generation of a Tg(cyp1a-12DRE:EGFP) transgenic zebrafish line as a rapid in vivo model for detecting dioxin-like compounds. Aquatic Toxicology, 2018, 205, 174-181.	4.0	14
46	Embryonic exposure to benzo(a)pyrene inhibits reproductive capability in adult female zebrafish and correlation with DNA methylation. Environmental Pollution, 2018, 240, 403-411.	7.5	59
47	Bioaccumulation and the expression of hepatic cytochrome P450 genes in marine medaka (Oryzias) Tj ETQq1 1 0.784314 rgBT /Over	6.1	20
48	Association of serum organochlorine pesticides concentrations with reproductive hormone levels and polycystic ovary syndrome in a Chinese population. Chemosphere, 2017, 171, 595-600.	8.2	18
49	Remote Regulation of Membrane Channel Activity by Siteâ€Specific Localization of Lanthanideâ€Doped Upconversion Nanocrystals. Angewandte Chemie - International Edition, 2017, 56, 3031-3035.	13.8	121
50	Remote Regulation of Membrane Channel Activity by Siteâ€Specific Localization of Lanthanideâ€Doped Upconversion Nanocrystals. Angewandte Chemie, 2017, 129, 3077-3081.	2.0	11
51	Reproductive effects of life-cycle exposure to difenoconazole on female marine medaka (Oryzias) Tj ETQq1 1 0.784314 rgBT /Overlock	2.4	18
52	Tributyltin in male mice disrupts glucose homeostasis as well as recovery after exposure: mechanism analysis. Archives of Toxicology, 2017, 91, 3261-3269.	4.2	27
53	RÃ¼cktitelbild: Remote Regulation of Membrane Channel Activity by Siteâ€Specific Localization of Lanthanideâ€Doped Upconversion Nanocrystals (Angew. Chem. 11/2017). Angewandte Chemie, 2017, 129, 3156-3156.	2.0	1
54	Early-Life Benzo[a]Pyrene Exposure Causes Neurodegenerative Syndromes in Adult Zebrafish (Danio) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.1	33

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55	Zebrafish as a Model to Study Autism Spectrum Disorder Caused by Environmental Chemicals Exposure. , 2016, 06, .		1
56	Aroclor 1254 causes atrophy of exocrine pancreas in mice and the mechanism involved. Environmental Toxicology, 2016, 31, 671-678.	4.0	5
57	Influence of difenoconazole on lipid metabolism in marine medaka (Oryzias melastigma). Ecotoxicology, 2016, 25, 982-990.	2.4	17
58	Maternal exposure to the water soluble fraction of crude oil, lead and their mixture induces autism-like behavioral deficits in zebrafish (Danio rerio) larvae. Ecotoxicology and Environmental Safety, 2016, 134, 23-30.	6.0	21
59	Phenanthrene exposure induces cardiac hypertrophy via reducing miR-133a expression by DNA methylation. Scientific Reports, 2016, 6, 20105.	3.3	58
60	Hexabromocyclododecane exposure induces cardiac hypertrophy and arrhythmia by inhibiting miR-1 expression via up-regulation of the homeobox gene Nkx2.5. Journal of Hazardous Materials, 2016, 302, 304-313.	12.4	25
61	Association of Serum Heavy Metals and Trace Element Concentrations with Reproductive Hormone Levels and Polycystic Ovary Syndrome in a Chinese Population. Biological Trace Element Research, 2015, 167, 1-10.	3.5	66
62	Modulation of the DNA repair system and ATR-p53 mediated apoptosis is relevant for tributyltin-induced genotoxic effects in human hepatoma G2 cells. Journal of Environmental Sciences, 2015, 27, 108-114.	6.1	8
63	Influences of Domoic Acid Exposure on Cardiac Development and the Expression of Cardiovascular Relative Genes in Zebrafish (Daniorerio) Embryos. Journal of Biochemical and Molecular Toxicology, 2015, 29, 254-260.	3.0	11
64	Reproductive and transgenerational toxicities of phenanthrene on female marine medaka (Oryzias) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.0	51
65	Chronic Exposure to Aroclor 1254 Disrupts Glucose Homeostasis in Male Mice via Inhibition of the Insulin Receptor Signal Pathway. Environmental Science & Technology, 2015, 49, 10084-10092.	10.0	30
66	Chronic exposure to low benzo[a]pyrene level causes neurodegenerative disease-like syndromes in zebrafish (Danio rerio). Aquatic Toxicology, 2015, 167, 200-208.	4.0	58
67	Toxicogenomic analysis in the combined effect of tributyltin and benzo[a]pyrene on the development of zebrafish embryos. Aquatic Toxicology, 2015, 158, 157-164.	4.0	34
68	Levels of Heavy Metals and Trace Elements in Umbilical Cord Blood and the Risk of Adverse Pregnancy Outcomes: a Population-Based Study. Biological Trace Element Research, 2014, 160, 437-444.	3.5	76
69	Chronic Exposure to Tributyltin Chloride Induces Pancreatic Islet Cell Apoptosis and Disrupts Glucose Homeostasis in Male Mice. Environmental Science & Technology, 2014, 48, 5179-5186.	10.0	62
70	Use of toxicogenomics to predict the potential toxic effect of Benzo(a)pyrene on zebrafish embryos: Ocular developmental toxicity. Chemosphere, 2014, 108, 55-61.	8.2	51
71	Exposure to low dose benzo[a]pyrene during early life stages causes symptoms similar to cardiac hypertrophy in adult zebrafish. Journal of Hazardous Materials, 2014, 276, 377-382.	12.4	32
72	High mobility group Box-1 inhibits cancer cell motility and metastasis by suppressing activation of transcription factor CREB and nWASP expression. Oncotarget, 2014, 5, 7458-7470.	1.8	27

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73	Effects of low-level hexabromocyclododecane (HBCD) exposure on cardiac development in zebrafish embryos. Ecotoxicology, 2013, 22, 1200-1207.	2.4	30
74	Phenanthrene exposure causes cardiac arrhythmia in embryonic zebrafish via perturbing calcium handling. Aquatic Toxicology, 2013, 142-143, 26-32.	4.0	43
75	Tributyltin exposure causes lipotoxicity responses in the ovaries of rockfish, Sebastiscus marmoratus. Chemosphere, 2013, 90, 1294-1299.	8.2	39
76	Tributyltin exposure influences predatory behavior, neurotransmitter content and receptor expression in Sebastiscus marmoratus. Aquatic Toxicology, 2013, 128-129, 158-162.	4.0	31
77	Phenanthrene exposure produces cardiac defects during embryo development of zebrafish (Danio) Tj ETQq1 1 0.784314 rgBT /Overlo	8.2	52
78	Phenanthrene causes ocular developmental toxicity in zebrafish embryos and the possible mechanisms involved. Journal of Hazardous Materials, 2013, 261, 172-180.	12.4	84
79	Cloning, expression and identification of two glutathione S-transferase isoenzymes from Perna viridis. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2013, 165, 277-285.	1.6	7
80	Hexavalent Chromium Cr(VI) Up-Regulates COX-2 Expression through an NFÎºB/c-Jun/AP-1â€“Dependent Pathway. Environmental Health Perspectives, 2012, 120, 547-553.	6.0	35
81	Pyrene exposure influences the thyroid development of Sebastiscus marmoratus embryos. Aquatic Toxicology, 2012, 124-125, 28-33.	4.0	46
82	Embryonic exposure to benzo(a)pyrene influences neural development and function in rockfish (Sebastiscus marmoratus). NeuroToxicology, 2012, 33, 758-762.	3.0	29
83	Low-level pyrene exposure causes cardiac toxicity in zebrafish (Danio rerio) embryos. Aquatic Toxicology, 2012, 114-115, 119-124.	4.0	61
84	Exposure of Sebastiscus marmoratus embryos to pyrene results in neurodevelopmental defects and disturbs related mechanisms. Aquatic Toxicology, 2012, 116-117, 109-115.	4.0	20
85	Exposure to tributyltin and triphenyltin induces DNA damage and alters nucleotide excision repair gene transcription in Sebastiscus marmoratus liver. Aquatic Toxicology, 2012, 122-123, 106-112.	4.0	31
86	Benzo[a]pyrene exposure influences the cardiac development and the expression of cardiovascular relative genes in zebrafish (Danio rerio) embryos. Chemosphere, 2012, 87, 369-375.	8.2	64
87	Tributyltin exposure results in craniofacial cartilage defects in rockfish (Sebastiscus marmoratus) embryos. Marine Environmental Research, 2012, 77, 6-11.	2.5	31
88	Pyrene exposure influences the craniofacial cartilage development of Sebastiscus marmoratus embryos. Marine Environmental Research, 2012, 77, 30-34.	2.5	24
89	Transcriptome Analysis of Male and Female Sebastiscus marmoratus. PLoS ONE, 2012, 7, e50676.	2.5	16
90	Chronic Exposure to Phenanthrene Influences the Spermatogenesis of Male Sebastiscus marmoratus: U-Shaped Effects and the Reason for Them. Environmental Science & Technology, 2011, 45, 10212-10218.	10.0	43

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91	Effects of benzo(a)pyrene on the skeletal development of Sebastiscus marmoratus embryos and the molecular mechanism involved. Aquatic Toxicology, 2011, 101, 335-341.	4.0	40
92	Inhibition by polycyclic aromatic hydrocarbons of ATPase activities in Sebastiscus marmoratus larvaeï¼šRelationship with the development of early life stages. Marine Environmental Research, 2011, 71, 86-90.	2.5	31
93	Tributyltin chloride results in dorsal curvature in embryo development of Sebastiscus marmoratus via apoptosis pathway. Chemosphere, 2011, 82, 437-442.	8.2	38
94	Tributyltin causes obesity and hepatic steatosis in male mice. Environmental Toxicology, 2011, 26, 79-85.	4.0	122
95	Identification of differentially expressed genes in the brain of Sebastiscus marmoratus in response to tributyltin exposure. Aquatic Toxicology, 2010, 99, 248-255.	4.0	4
96	Tissue-specific and embryonic expression of the retinoid X receptors in Sebastiscus marmoratus. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2009, 154, 221-228.	1.6	15
97	Exogenous leptin promotes the recovery of regressed ovary in fasted ducks. Animal Reproduction Science, 2009, 110, 306-318.	1.5	14
98	Acute administration of tributyltin and trimethyltin modulate glutamate and N-methyl-d-aspartate receptor signaling pathway in Sebastiscus marmoratus. Aquatic Toxicology, 2009, 92, 44-49.	4.0	35
99	DNA hypomethylation induced by tributyltin, triphenyltin, and a mixture of these in Sebastiscus marmoratus liver. Aquatic Toxicology, 2009, 95, 93-98.	4.0	67
100	Apoptotic and Necrotic Action Mechanisms of Trimethyltin in Human Hepatoma G2 (HepG2) Cells. Chemical Research in Toxicology, 2009, 22, 1582-1587.	3.3	24
101	Differential gene expression in the brain of Sebastiscus marmoratus in response to exposure to polychlorinated biphenyls (PCBs). Marine Environmental Research, 2008, 66, 548-552.	2.5	7
102	Acute trimethyltin exposure induces oxidative stress response and neuronal apoptosis in Sebastiscus marmoratus. Aquatic Toxicology, 2008, 90, 58-64.	4.0	32
103	The concentration-dependent induction of cell death by trimethyltin chloride in rat liver epithelial IAR20 cells. Toxicology in Vitro, 2008, 22, 1136-1142.	2.4	11
104	Tributyltin exposure causes brain damage in Sebastiscus marmoratus. Chemosphere, 2008, 73, 337-343.	8.2	53
105	Effect of tributyltin on the development of ovary in female cuvier (Sebastiscus marmoratus). Aquatic Toxicology, 2007, 83, 174-179.	4.0	73
106	Increasing transient expression of CAT gene in Porphyra haitanensis by Matrix attachment regions and 18S rDNA targeted homologous recombination. Aquaculture Research, 2007, 38, 681-688.	1.8	7
107	PRIMER NOTE: Isolation and characterization of microsatellite loci from a commercial cultivar of Porphyra haitanensis. Molecular Ecology Notes, 2006, 7, 522-524.	1.7	8