

Shaoguo Ru

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.

99
papers

1,281
citations

19
h-index

31
g-index

100
ext. papers

1,801
ext. citations

6.5
avg, IF

5.11
L-index

#	Paper	IF	Citations
99	Porous microplastics enhance polychlorinated biphenyls-induced thyroid disruption in juvenile Japanese flounder (<i>Paralichthys olivaceus</i>).. <i>Marine Pollution Bulletin</i> , 2022 , 174, 113289	6.7	1
98	Impacts of nanoplastics on life-history traits of marine rotifer (<i>Brachionus plicatilis</i>) are recovered after being transferred to clean seawater.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
97	Environmental relevant herbicide prometryn induces developmental toxicity in the early life stages of marine medaka (<i>Oryzias melastigma</i>) and its potential mechanism.. <i>Aquatic Toxicology</i> , 2022 , 243, 106079	5.1	1
96	17 β Trenbolone binds to androgen receptor, decreases number of primordial germ cells, modulates expression of genes related to sexual differentiation, and affects sexual differentiation in zebrafish (<i>Danio rerio</i>). <i>Science of the Total Environment</i> , 2022 , 806, 150959	10.2	0
95	Eelgrass (<i>Zostera marina</i>) and its epiphytic bacteria facilitate the sinking of microplastics in the seawater. <i>Environmental Pollution</i> , 2022 , 292, 118337	9.3	1
94	Effects of co-exposure of the triazine herbicides atrazine, prometryn and terbutryn on <i>Phaeodactylum tricornutum</i> photosynthesis and nutritional value. <i>Science of the Total Environment</i> , 2022 , 807, 150609	10.2	2
93	Polystyrene microplastics increase estrogenic effects of 17 β ethynylestradiol on male marine medaka (<i>Oryzias melastigma</i>). <i>Chemosphere</i> , 2022 , 287, 132312	8.4	2
92	Mechanistic revealing of reproductive behavior impairment in male guppy (<i>Poecilia reticulata</i>) induced by environmentally realistic 2,2 β dithiobis-pyridine exposure. <i>Chemosphere</i> , 2022 , 286, 131839	8.4	0
91	A comprehensive review on the effects of engineered nanoparticles on microalgal treatment of pollutants from wastewater. <i>Journal of Cleaner Production</i> , 2022 , 344, 131121	10.3	1
90	mRNA-miRNA sequencing reveals mechanisms of 2,2 β dipyridyl disulfide-induced thyroid disruption in Japanese flounder (<i>Paralichthys olivaceus</i>).. <i>Aquatic Toxicology</i> , 2022 , 248, 106191	5.1	
89	Transgenerational effects of parental bisphenol S exposure on zebrafish (<i>Danio rerio</i>) reproduction. <i>Food and Chemical Toxicology</i> , 2022 , 165, 113142	4.7	0
88	Microplastics increase the accumulation of phenanthrene in the ovaries of marine medaka (<i>Oryzias melastigma</i>) and its transgenerational toxicity. <i>Journal of Hazardous Materials</i> , 2021 , 127754	12.8	1
87	Metabolic perturbations of <i>Lolium perenne</i> L. by enrofloxacin: Bioaccumulation and multistage defense system. <i>Journal of Hazardous Materials</i> , 2021 , 127893	12.8	1
86	Bisphenol S exposure accelerates the progression of atherosclerosis in zebrafish embryo-larvae.. <i>Journal of Hazardous Materials</i> , 2021 , 426, 128042	12.8	0
85	Bisphenol AF exposure causes fasting hyperglycemia in zebrafish (<i>Danio rerio</i>) by interfering with glycometabolic networks. <i>Aquatic Toxicology</i> , 2021 , 241, 106000	5.1	0
84	Adaptation of life-history traits and trade-offs in marine medaka (<i>Oryzias melastigma</i>) after whole life-cycle exposure to polystyrene microplastics. <i>Journal of Hazardous Materials</i> , 2021 , 414, 125537	12.8	5
83	Unravelling metabolism and microbial community of a phytobed co-planted with <i>Typha angustifolia</i> and <i>Ipomoea aquatica</i> for biodegradation of doxylamine from wastewater. <i>Journal of Hazardous Materials</i> , 2021 , 401, 123404	12.8	10

82	Unraveling the mechanism of long-term bisphenol S exposure disrupted ovarian lipids metabolism, oocytes maturation, and offspring development of zebrafish. <i>Chemosphere</i> , 2021 , 277, 130304	8.4	3
81	Multiple metabolic pathways of enrofloxacin by <i>Lolium perenne</i> L.: Ecotoxicity, biodegradation, and key driven genes. <i>Water Research</i> , 2021 , 202, 117413	12.5	12
80	Ultrasensitive label-free electrochemical immunosensors for detecting marine medaka (<i>Oryzias melastigma</i>) vitellogenin based on novel Cu ₂ O@BSA nanoparticles and anti-lipovitellin monoclonal antibody. <i>Sensors and Actuators B: Chemical</i> , 2021 , 345, 130358	8.5	1
79	Combined exposure to environmentally relevant copper and 2,2'-thiobis-pyridine induces significant reproductive toxicity in male guppy (<i>Poecilia reticulata</i>). <i>Science of the Total Environment</i> , 2021 , 797, 149131	10.2	0
78	Brightened body coloration in female guppies (<i>Poecilia reticulata</i>) serves as an in vivo biomarker for environmental androgens: The example of 17 β -trenbolone. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 224, 112698	7	
77	Insights into the effect of cerium oxide nanoparticle on microalgal degradation of sulfonamides. <i>Bioresource Technology</i> , 2020 , 309, 123452	11	14
76	Bisphenol S exposure alters behavioral parameters in adult zebrafish and offspring. <i>Science of the Total Environment</i> , 2020 , 741, 140448	10.2	4
75	Low microalgae availability increases the ingestion rates and potential effects of microplastics on marine copepod <i>Pseudodiaptomus annandalei</i> . <i>Marine Pollution Bulletin</i> , 2020 , 152, 110919	6.7	14
74	Toxicity of benzophenone-3 and its biodegradation in a freshwater microalga <i>Scenedesmus obliquus</i> . <i>Journal of Hazardous Materials</i> , 2020 , 389, 122149	12.8	30
73	Long-term exposure of zebrafish to bisphenol S impairs stress function of hypothalamic-pituitary-interrenal axis and causes anxiety-like behavioral responses to novelty. <i>Science of the Total Environment</i> , 2020 , 716, 137092	10.2	15
72	Bisphenol S Induces Ectopic Angiogenesis in Embryos via VEGFR2 Signaling, Leading to Lipid Deposition in Blood Vessels of Larval Zebrafish. <i>Environmental Science & Technology</i> , 2020 , 54, 6822-6831	10.3	5
71	Long-term bisphenol S exposure aggravates non-alcoholic fatty liver by regulating lipid metabolism and inducing endoplasmic reticulum stress response with activation of unfolded protein response in male zebrafish. <i>Environmental Pollution</i> , 2020 , 263, 114535	9.3	11
70	Carbofuran induces increased anxiety-like behaviors in female zebrafish (<i>Danio rerio</i>) through disturbing dopaminergic/norepinephrinergic system. <i>Chemosphere</i> , 2020 , 253, 126635	8.4	15
69	Low level of polystyrene microplastics decreases early developmental toxicity of phenanthrene on marine medaka (<i>Oryzias melastigma</i>). <i>Journal of Hazardous Materials</i> , 2020 , 385, 121586	12.8	45
68	Genotoxic biomarkers and histological changes in marine medaka (<i>Oryzias melastigma</i>) exposed to 17 β -ethynylestradiol and 17 β -trenbolone. <i>Marine Pollution Bulletin</i> , 2020 , 150, 110601	6.7	5
67	Biodegradation of Doxylamine From Wastewater by a Green Microalga,. <i>Frontiers in Microbiology</i> , 2020 , 11, 584020	5.7	5
66	Long-term bisphenol S exposure induces fat accumulation in liver of adult male zebrafish (<i>Danio rerio</i>) and slows yolk lipid consumption in F1 offspring. <i>Chemosphere</i> , 2019 , 221, 500-510	8.4	25
65	Bisphenol S promotes the cell cycle progression and cell proliferation through ER α -cyclin D-CDK4/6-pRb pathway in MCF-7 breast cancer cells. <i>Toxicology and Applied Pharmacology</i> , 2019 , 366, 75-82	4.6	15

64	New methods for purification of <i>Paralichthys olivaceus</i> lipovitellin and immunoassay-based detection of vitellogenin. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 180, 624-631	7	6
63	Cu accumulation, detoxification and tolerance in the red swamp crayfish <i>Procambarus clarkii</i> . <i>Ecotoxicology and Environmental Safety</i> , 2019 , 175, 201-207	7	17
62	Polystyrene microplastics cause tissue damages, sex-specific reproductive disruption and transgenerational effects in marine medaka (<i>Oryzias melastigma</i>). <i>Environmental Pollution</i> , 2019 , 254, 113024	9.3	121
61	Distribution of vitellogenin in Japanese flounder (<i>Paralichthys olivaceus</i>) for biomarker analysis of marine environmental estrogens. <i>Aquatic Toxicology</i> , 2019 , 216, 105321	5.1	2
60	Typhoons increase the abundance of microplastics in the marine environment and cultured organisms: A case study in Sanggou Bay, China. <i>Science of the Total Environment</i> , 2019 , 667, 1-8	10.2	53
59	Oxidative damage induced by copper in testis of the red swamp crayfish <i>Procambarus clarkii</i> and its underlying mechanisms. <i>Aquatic Toxicology</i> , 2019 , 207, 120-131	5.1	15
58	2,2FDithiobis-pyridine induced reproductive toxicity in male guppy (<i>Poecilia reticulata</i>). <i>Ecotoxicology and Environmental Safety</i> , 2019 , 169, 778-785	7	6
57	High levels of microplastic pollution in the sediments and benthic organisms of the South Yellow Sea, China. <i>Science of the Total Environment</i> , 2019 , 651, 1661-1669	10.2	157
56	Bisphenol S induces obesogenic effects through deregulating lipid metabolism in zebrafish (<i>Danio rerio</i>) larvae. <i>Chemosphere</i> , 2018 , 199, 286-296	8.4	39
55	Sexual characteristics of male guppies <i>Poecilia reticulata</i> serve as effect biomarkers of estrogens. <i>Journal of Oceanology and Limnology</i> , 2018 , 36, 1392-1400	1.5	1
54	An effervescence-assisted switchable fatty acid-based microextraction with solidification of floating organic droplet for determination of fluoroquinolones and tetracyclines in seawater, sediment, and seafood. <i>Analytical and Bioanalytical Chemistry</i> , 2018 , 410, 2671-2687	4.4	35
53	Carp (<i>Cyprinus carpio</i>) lipovitellin is a highly stable phospholipoglycoprotein with the same immunogenicity as vitellogenin. <i>Aquaculture Research</i> , 2018 , 49, 1389-1395	1.9	
52	Bisphenol S exposure impairs glucose homeostasis in male zebrafish (<i>Danio rerio</i>). <i>Ecotoxicology and Environmental Safety</i> , 2018 , 147, 794-802	7	45
51	Long-term exposure to bisphenol S damages the visual system and reduces the tracking capability of male zebrafish (<i>Danio rerio</i>). <i>Journal of Applied Toxicology</i> , 2018 , 38, 248-258	4.1	26
50	Quantitative analysis of in-vivo responses of reproductive and thyroid endpoints in male goldfish exposed to monocrotophos pesticide. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2018 , 211, 41-47	3.2	7
49	Development of homologous enzyme-linked immunosorbent assays to quantify two forms of vitellogenin in guppy (<i>Poecilia reticulata</i>). <i>Environmental Science and Pollution Research</i> , 2018 , 25, 25036-25044 ^o	5.1	44 ^o
48	The anti-estrogenicity of chronic exposure to semicarbazide in female Japanese flounders (<i>Paralichthys olivaceus</i>), and its potential mechanisms. <i>Marine Pollution Bulletin</i> , 2018 , 129, 806-812	6.7	4
47	Integrated disperser freezing purification with extraction using fatty acid-based solidification of floating organic-droplet (IDFP-EFA-SFO) for triclosan and methyltriclosan determination in seawater, sediment and seafood. <i>Marine Pollution Bulletin</i> , 2018 , 137, 677-687	6.7	1

46	Transgenerational thyroid endocrine disruption induced by bisphenol S affects the early development of zebrafish offspring. <i>Environmental Pollution</i> , 2018 , 243, 800-808	9.3	30
45	Impairment of bisphenol F on the glucose metabolism of zebrafish larvae. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 165, 386-392	7	15
44	The anti-androgenic effect of chronic exposure to semicarbazide on male Japanese flounder (<i>Paralichthys olivaceus</i>) and its potential mechanisms. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2018 , 210, 30-34	3.2	6
43	Development of ELISAs for the detection of vitellogenin in three marine fish from coastal areas of China. <i>Marine Pollution Bulletin</i> , 2018 , 133, 415-422	6.7	12
42	Effects of monocrotophos pesticide on cholinergic and dopaminergic neurotransmitter systems during early development in the sea urchin <i>Hemicentrotus pulcherrimus</i> . <i>Toxicology and Applied Pharmacology</i> , 2017 , 328, 46-53	4.6	6
41	Effects of polychlorinated biphenyls on metamorphosis of a marine fish Japanese flounder (<i>Paralichthys olivaceus</i>) in relation to thyroid disruption. <i>Marine Pollution Bulletin</i> , 2017 , 119, 325-331	6.7	7
40	Semicarbazide-induced thyroid disruption in Japanese flounder (<i>Paralichthys olivaceus</i>) and its potential mechanisms. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 140, 131-140	7	9
39	Semicarbazide disturbs the reproductive system of male zebrafish (<i>Danio rerio</i>) through the GABAergic system. <i>Reproductive Toxicology</i> , 2017 , 73, 149-157	3.4	13
38	Vitellogenin induction in caudal fin of guppy (<i>Poecilia reticulata</i>) as a less invasive and sensitive biomarker for environmental estrogens. <i>Scientific Reports</i> , 2017 , 7, 7647	4.9	9
37	Monocrotophos pesticide affects synthesis and conversion of sex steroids through multiple targets in male goldfish (<i>Carassius auratus</i>). <i>Scientific Reports</i> , 2017 , 7, 2306	4.9	2
36	Estrogenic effects associated with bisphenol a exposure in male zebrafish (<i>Danio rerio</i>) is associated with changes of endogenous 17 β -Estradiol and gene specific DNA methylation levels. <i>General and Comparative Endocrinology</i> , 2017 , 252, 27-35	3	23
35	Development of an immunosensor for quantifying zebrafish vitellogenin based on the Octet system. <i>Analytical Biochemistry</i> , 2017 , 533, 60-65	3.1	2
34	Monocrotophos, an organophosphorus insecticide, disrupts the expression of HpNetrin and its receptor neogenin during early development in the sea urchin (<i>Hemicentrotus pulcherrimus</i>). <i>NeuroToxicology</i> , 2017 , 62, 130-137	4.4	1
33	A novel enzyme-linked immunosorbent assay based on anti-lipovitellin monoclonal antibodies for quantification of zebrafish (<i>Danio rerio</i>) vitellogenin. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 136, 78-83	7	5
32	An in vivo assay performed using multiple biomarkers related to testosterone synthesis and conversion for assessing the androgenic potency of refuse leachate. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 135, 82-89	7	1
31	Refuse leachate exposure causes changes of thyroid hormone level and related gene expression in female goldfish (<i>Carassius auratus</i>). <i>Environmental Toxicology and Pharmacology</i> , 2016 , 48, 46-52	5.8	2
30	Effects of dietary genistein on GH/IGF-I axis of Nile tilapia <i>Oreochromis niloticus</i> . <i>Chinese Journal of Oceanology and Limnology</i> , 2016 , 34, 1004-1012		7
29	Thyroid disruption in male goldfish (<i>Carassius auratus</i>) exposed to leachate from a municipal waste treatment plant: Assessment combining chemical analysis and in vivo bioassay. <i>Science of the Total Environment</i> , 2016 , 554-555, 64-72	10.2	9

28	Juvenile zebrafish in the vitellogenin blank period as an alternative test organism for evaluation of estrogenic activity of chemicals. <i>Environmental Toxicology and Chemistry</i> , 2016 , 35, 1783-7	3.8	6
27	Lipovitellin as an antigen to improve the precision of sandwich ELISA for quantifying zebrafish (<i>Danio rerio</i>) vitellogenin. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2016 , 185-186, 87-93	3.2	4
26	Anti-estrogenic effect of semicarbazide in female zebrafish (<i>Danio rerio</i>) and its potential mechanisms. <i>Aquatic Toxicology</i> , 2016 , 170, 262-270	5.1	20
25	Distribution and ecological risk assessment of HCHs and DDTs in surface seawater and sediment of the mariculture area of Jincheng Bay, China. <i>Journal of Ocean University of China</i> , 2015 , 14, 301-308	1	8
24	Development of a lipovitellin-based sandwich ELISA for quantification of vitellogenin in surface mucus and plasma of goldfish (<i>Carassius auratus</i>). <i>Ecotoxicology and Environmental Safety</i> , 2015 , 120, 80-7	7	8
23	Impairment of the cortisol stress response mediated by the hypothalamus-pituitary-interrenal (HPI) axis in zebrafish (<i>Danio rerio</i>) exposed to monocrotophos pesticide. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2015 , 176-177, 10-6	3.2	19
22	Development of a lipovitellin-based goldfish (<i>Carassius auratus</i>) vitellogenin ELISA for detection of environmental estrogens. <i>Chemosphere</i> , 2015 , 132, 166-71	8.4	12
21	Disruptions in aromatase expression in the brain, reproductive behavior, and secondary sexual characteristics in male guppies (<i>Poecilia reticulata</i>) induced by tributyltin. <i>Aquatic Toxicology</i> , 2015 , 162, 117-125	5.1	28
20	Effect of dietary genistein on growth performance, digestive enzyme activity, and body composition of Nile tilapia <i>Oreochromis niloticus</i> . <i>Chinese Journal of Oceanology and Limnology</i> , 2015 , 33, 77-83		5
19	Effects of monocrotophos pesticide on steroidogenesis and transcription of steroidogenic enzymes in rainbow trout RTG-2 cells involving the protein kinase A signal pathway. <i>Toxicology in Vitro</i> , 2015 , 29, 155-61	3.6	4
18	Preparation of a polyclonal antibody against goldfish (<i>Carassius auratus</i>) vitellogenin and its application to detect the estrogenic effects of monocrotophos pesticide. <i>Ecotoxicology and Environmental Safety</i> , 2015 , 111, 109-16	7	18
17	Induction of DNA base damage and strand breaks in peripheral erythrocytes and the underlying mechanism in goldfish (<i>Carassius auratus</i>) exposed to monocrotophos. <i>Fish Physiology and Biochemistry</i> , 2015 , 41, 613-24	2.7	7
16	Risk assessment of butyltins based on a fugacity-based food web bioaccumulation model in the Jincheng Bay mariculture area: II. Risk assessment. <i>Environmental Sciences: Processes and Impacts</i> , 2014 , 16, 2002-6	4.3	1
15	Risk assessment of butyltins based on a fugacity-based food web bioaccumulation model in the Jincheng Bay mariculture area: I. Model development. <i>Environmental Sciences: Processes and Impacts</i> , 2014 , 16, 1994-2001	4.3	4
14	An emerging water contaminant, semicarbazide, exerts an anti-estrogenic effect in zebrafish (<i>Danio rerio</i>). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014 , 93, 280-8	2.7	9
13	An integrated approach combining chemical analysis and an in vivo bioassay to assess the estrogenic potency of a municipal solid waste landfill leachate in Qingdao. <i>PLoS ONE</i> , 2014 , 9, e95597	3.7	10
12	Disruption of the thyroid system by the thyroid-disrupting compound Aroclor 1254 in juvenile Japanese flounder (<i>Paralichthys olivaceus</i>). <i>PLoS ONE</i> , 2014 , 9, e104196	3.7	13
11	Monocrotophos pesticide decreases the plasma levels of total 3,3',5'-triiodo-L-thyronine and alters the expression of genes associated with the thyroidal axis in female goldfish (<i>Carassius auratus</i>). <i>PLoS ONE</i> , 2014 , 9, e108972	3.7	10

10	Exposure to monocrotophos pesticide causes disruption of the hypothalamic-pituitary-thyroid axis in adult male goldfish (<i>Carassius auratus</i>). <i>General and Comparative Endocrinology</i> , 2013 , 193, 158-66	3	36
9	Monocrotophos pesticide modulates the expression of sexual differentiation genes and causes phenotypic feminization in zebrafish (<i>Danio rerio</i>). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2013 , 157, 33-40	3.2	19
8	Effects of monocrotophos pesticide on serotonin metabolism during early development in the sea urchin, <i>Hemicentrotus pulcherrimus</i> . <i>Environmental Toxicology and Pharmacology</i> , 2012 , 34, 537-547	5.8	8
7	Exposure to monocrotophos pesticide during sexual development causes the feminization/demasculinization of the reproductive traits and a reduction in the reproductive success of male guppies (<i>Poecilia reticulata</i>). <i>Toxicology and Applied Pharmacology</i> , 2012 , 263, 163-70	4.6	19
6	Identification, purification, and immunoassay of stone flounder (<i>Kareius bicoloratus</i>) vitellogenin 2012 , 55, 219-227		6
5	Studies on hemolysis of hemolysin produced by <i>Synechocystis</i> sp. PCC 6803. <i>Journal of Ocean University of China</i> , 2011 , 10, 362-368	1	2
4	The neurotoxic effects of monocrotophos on the formation of the serotonergic nervous system and swimming activity in the larvae of the sea urchin <i>Hemicentrotus pulcherrimus</i> . <i>Environmental Toxicology and Pharmacology</i> , 2010 , 30, 181-7	5.8	7
3	Effects of monocrotophos on the reproductive axis in the male goldfish (<i>Carassius auratus</i>): potential mechanisms underlying vitellogenin induction. <i>Aquatic Toxicology</i> , 2010 , 98, 67-73	5.1	28
2	Estrogenic effects of monocrotophos evaluated by vitellogenin mRNA and protein induction in male goldfish (<i>Carassius auratus</i>). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2009 , 150, 231-6	3.2	14
1	In Vivo and In Vitro Inhibitions of Red Drum (<i>Sciaenops ocellatus</i>) Brain Acetylcholinesterase and Liver Carboxylesterase by Monocrotophos at Sublethal Concentrations. <i>Water, Air, and Soil Pollution</i> , 2003 , 149, 17-25	2.6	16