

Shaoguo Ru

List of Publications by Year in descending order

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100
papers

2,397
citations

236612

25
h-index

253896

43
g-index

100
all docs

100
docs citations

100
times ranked

2336
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	3.9	268
2	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.	3.7	266
3	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.	3.9	106
4	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.	6.5	85
5	Bisphenol S exposure impairs glucose homeostasis in male zebrafish (<i>Danio rerio</i>). <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 794-802.	2.9	70
6	Toxicity of benzophenone-3 and its biodegradation in a freshwater microalga <i>Scenedesmus obliquus</i> . <i>Journal of Hazardous Materials</i> , 2020, 389, 122149.	6.5	64
7	Bisphenol S induces obesogenic effects through deregulating lipid metabolism in zebrafish (<i>Danio rerio</i>). <i>Journal of Hazardous Materials</i> , 2020, 389, 122149.	4.2	59
8	Long-term bisphenol S exposure induces fat accumulation in liver of adult male zebrafish (<i>Danio rerio</i>). <i>Journal of Hazardous Materials</i> , 2020, 389, 122149.	4.2	50
9	Transgenerational thyroid endocrine disruption induced by bisphenol S affects the early development of zebrafish offspring. <i>Environmental Pollution</i> , 2018, 243, 800-808.	3.7	49
10	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.	1.9	47
11	Multiple metabolic pathways of enrofloxacin by <i>Lolium perenne</i> L.: Ecotoxicity, biodegradation, and key driven genes. <i>Water Research</i> , 2021, 202, 117413.	5.3	46
12	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.	1.4	44
13	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, 158-166.	0.8	42
14	Cu accumulation, detoxification and tolerance in the red swamp crayfish <i>Procambarus clarkii</i> . <i>Ecotoxicology and Environmental Safety</i> , 2019, 175, 201-207.	2.9	41
15	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.	6.5	40
16	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.	3.7	38
17	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.	0.8	35
18	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.	1.9	32

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19	Microplastics increase the accumulation of phenanthrene in the ovaries of marine medaka (<i>Oryzias latipes</i>). <i>Environmental Toxicology and Chemistry</i> , 2019, 38, 117-125.	6.5	32
20	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.	1.9	31
21	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.	1.9	30
22	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, 10-16.	1.3	29
23	Insights into the effect of cerium oxide nanoparticle on microalgal degradation of sulfonamides. <i>Bioresource Technology</i> , 2020, 309, 123452.	4.8	29
24	Anti-estrogenic effect of semicarbazide in female zebrafish (<i>Danio rerio</i>) and its potential mechanisms. <i>Aquatic Toxicology</i> , 2016, 170, 262-270.	1.9	28
25	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.	2.3	27
26	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.	1.3	26
27	Bisphenol S promotes the cell cycle progression and cell proliferation through ERK1/2-cyclin D-CDK4/6-pRb pathway in MCF-7 breast cancer cells. <i>Toxicology and Applied Pharmacology</i> , 2019, 366, 75-82.	1.3	26
28	Carbofuran induces increased anxiety-like behaviors in female zebrafish (<i>Danio rerio</i>) through disturbing dopaminergic/norepinephrinergetic system. <i>Chemosphere</i> , 2020, 253, 126635.	4.2	25
29	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, 109-116.	2.9	23
30	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.	3.9	23
31	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, 231-236.	1.3	22
32	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, 163-170.	1.3	22
33	Impairment of bisphenol F on the glucose metabolism of zebrafish larvae. <i>Ecotoxicology and Environmental Safety</i> , 2018, 165, 386-392.	2.9	22
34	Polystyrene microplastics increase estrogenic effects of 17 β -ethynylestradiol on male marine medaka (<i>Oryzias latipes</i>). <i>Chemosphere</i> , 2022, 287, 132312.	4.2	21
35	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.	4.6	21
36	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.	6.5	19

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37	Title is missing!. Water, Air, and Soil Pollution, 2003, 149, 17-25.	1.1	18
38	Semicarbazide disturbs the reproductive system of male zebrafish (Danio rerio) through the GABAergic system. Reproductive Toxicology, 2017, 73, 149-157.	1.3	18
39	Eelgrass (<i>Zostera marina</i>) and its epiphytic bacteria facilitate the sinking of microplastics in the seawater. Environmental Pollution, 2022, 292, 118337.	3.7	18
40	Effects of co-exposure of the triazine herbicides atrazine, prometryn and terbutryn on <i>Phaeodactylum tricornutum</i> photosynthesis and nutritional value. Science of the Total Environment, 2022, 807, 150609.	3.9	18
41	Development of ELISAs for the detection of vitellogenin in three marine fish from coastal areas of China. Marine Pollution Bulletin, 2018, 133, 415-422.	2.3	16
42	Bisphenol S Induces Ectopic Angiogenesis in Embryos via VEGFR2 Signaling, Leading to Lipid Deposition in Blood Vessels of Larval Zebrafish. Environmental Science & Technology, 2020, 54, 6822-6831.	4.6	16
43	Disruption of the Thyroid System by the Thyroid-Disrupting Compound Aroclor 1254 in Juvenile Japanese Flounder (<i>Paralichthys olivaceus</i>). PLoS ONE, 2014, 9, e104196.	1.1	16
44	Bisphenol S exposure accelerates the progression of atherosclerosis in zebrafish embryo-larvae. Journal of Hazardous Materials, 2022, 426, 128042.	6.5	16
45	Metabolic perturbations of <i>Lolium perenne</i> L. by enrofloxacin: Bioaccumulation and multistage defense system. Journal of Hazardous Materials, 2022, 427, 127893.	6.5	15
46	Semicarbazide-induced thyroid disruption in Japanese flounder (<i>Paralichthys olivaceus</i>) and its potential mechanisms. Ecotoxicology and Environmental Safety, 2017, 140, 131-140.	2.9	14
47	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. PLoS ONE, 2014, 9, e95597.	1.1	13
48	Induction of DNA base damage and strand breaks in peripheral erythrocytes and the underlying mechanism in goldfish (<i>Carassius auratus</i>) exposed to monocrotophos. Fish Physiology and Biochemistry, 2015, 41, 613-624.	0.9	13
49	Development of a lipovitellin-based goldfish (<i>Carassius auratus</i>) vitellogenin ELISA for detection of environmental estrogens. Chemosphere, 2015, 132, 166-171.	4.2	13
50	Bisphenol S exposure alters behavioral parameters in adult zebrafish and offspring. Science of the Total Environment, 2020, 741, 140448.	3.9	13
51	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>). PLoS ONE, 2014, 9, e108972.	1.1	13
52	An Emerging Water Contaminant, Semicarbazide, Exerts an Anti-estrogenic Effect in Zebrafish (<i>Danio rerio</i>)	1.3	12
53	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. Science of the Total Environment, 2016, 554-555, 64-72.	3.9	12
54	Vitellogenin induction in caudal fin of guppy (<i>Poecilia reticulata</i>) as a less invasive and sensitive biomarker for environmental estrogens. Scientific Reports, 2017, 7, 7647.	1.6	12

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55	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.	2.3	12
56	Biodegradation of Doxylamine From Wastewater by a Green Microalga, <i>Scenedesmus obliquus</i> . <i>Frontiers in Microbiology</i> , 2020, 11, 584020.	1.5	12
57	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.	4.2	12
58	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.	1.3	11
59	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.	2.3	11
60	Transgenerational effects of parental bisphenol S exposure on zebrafish (<i>Danio rerio</i>) reproduction. <i>Food and Chemical Toxicology</i> , 2022, 165, 113142.	1.8	11
61	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, 80-87.	2.9	10
62	Distribution of vitellogenin in Japanese flounder (<i>Paralichthys olivaceus</i>) for biomarker analysis of marine environmental estrogens. <i>Aquatic Toxicology</i> , 2019, 216, 105321.	1.9	10
63	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.	2.9	10
64	2,2 α -Dithiobis-pyridine induced reproductive toxicity in male guppy (<i>Poecilia reticulata</i>). <i>Ecotoxicology and Environmental Safety</i> , 2019, 169, 778-785.	2.9	10
65	Ultrasensitive label-free electrochemical immunosensors for detecting marine medaka (<i>Oryzias</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 antibody. <i>Sensors and Actuators B: Chemical</i> , 2021, 345, 130358.	4.0	10
66	Porous microplastics enhance polychlorinated biphenyls-induced thyroid disruption in juvenile Japanese flounder (<i>Paralichthys olivaceus</i>). <i>Marine Pollution Bulletin</i> , 2022, 174, 113289.	2.3	10
67	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.	2.0	9
68	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.	0.6	9
69	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.	2.9	9
70	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, 29, 42780-42791.	2.7	9
71	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, 181-187.	2.0	8
72	Identification, purification, and immunoassay of stone flounder (<i>Kareius bicoloratus</i>) vitellogenin. <i>Journal of the Korean Society for Applied Biological Chemistry</i> , 2012, 55, 219-227.	0.9	8

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73	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.	0.7	8
74	The anti-androgenic effect of chronic exposure to semicarbazide on male Japanese flounder (<i>Paralichthys olivaceus</i>). <i>C: Toxicology and Pharmacology</i> , 2018, 210, 30-34.	1.3	8
75	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.	1.3	8
76	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, 155-161.	1.1	6
77	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, 1783-1787.	2.2	6
78	Lipovitellin as an antigen to improve the precision of sandwich ELISA for quantifying zebrafish (<i>Danio rerio</i>) vitellogenin. <i>Environmental Toxicology and Chemistry</i> , 2016, 35, 185-186, 87-93.	1.3	6
79	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.	1.6	6
80	Preparation of Graphene Quantum Dots by Visible-Fenton Reaction and Ultrasensitive Label-Free Immunosensor for Detecting Lipovitellin of <i>Paralichthys olivaceus</i> . <i>Biosensors</i> , 2022, 12, 246.	2.3	6
81	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.	0.7	5
82	Development of an immunosensor for quantifying zebrafish vitellogenin based on the Octet system. <i>Analytical Biochemistry</i> , 2017, 533, 60-65.	1.1	5
83	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.	2.3	5
84	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.	3.9	5
85	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.	1.9	5
86	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.	1.7	4
87	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.	2.3	4
88	Combined exposure to environmentally relevant copper and 2,2'-dithiobis-pyridine induces significant reproductive toxicity in male guppy (<i>Poecilia reticulata</i>). <i>Science of the Total Environment</i> , 2021, 797, 149131.	3.9	4
89	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.	2.9	4
90	Bisphenol AF exposure causes fasting hyperglycemia in zebrafish (<i>Danio rerio</i>) by interfering with glycometabolic networks. <i>Aquatic Toxicology</i> , 2021, 241, 106000.	1.9	4

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91	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.	2.0	3
92	Mechanistic revealing of reproductive behavior impairment in male guppy (<i>Poecilia reticulata</i>) induced by environmentally realistic 2,2'-dithiobis-pyridine exposure. <i>Chemosphere</i> , 2022, 286, 131839.	4.2	3
93	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.	0.6	2
94	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, 2002-2006.	1.7	1
95	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.	1.4	1
96	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.	2.9	1
97	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.	0.6	1
98	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.	2.7	1
99	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.	0.9	0
100	mRNA-miRNA sequencing reveals mechanisms of 2,2'-dipyridyl disulfide-induced thyroid disruption in Japanese flounder (<i>Paralichthys olivaceus</i>). <i>Aquatic Toxicology</i> , 2022, 248, 106191.	1.9	0