

Zaizhao Wang

List of Publications by Year in descending order

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81
papers

1,933
citations

293460

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81
docs citations

81
times ranked

2070
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative genomic analysis reveals the evolution and environmental adaptation of <i>Acinetobacter johnsonii</i> . <i>Gene</i> , 2022, 808, 145985.	1.0	13
2	BPA disrupted the testis testosterone levels by interfering ER enrichments within StAR 5' flanking region in rare minnow <i>Gobiocypris rarus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2022, 257, 109338.	1.3	2
3	BPA disrupts the SC barrier integrity by activating the cytokines/JNK signaling pathway in rare minnow <i>Gobiocypris rarus</i> . <i>Aquatic Toxicology</i> , 2022, 245, 106124.	1.9	6
4	Mitochondrial changes in fish cells in vitro in response to serum deprivation. <i>Fish Physiology and Biochemistry</i> , 2022, 48, 869-881.	0.9	3
5	Selective pressure governs the composition, antibiotic, and heavy metal resistance profiles of <i>Aeromonas</i> spp. isolated from Ba River in Northwest China. <i>Environmental Science and Pollution Research</i> , 2022, 29, 75841-75850.	2.7	3
6	Metagenomic insights into comparative study of nitrogen metabolic potential and microbial community between primitive and urban river sediments. <i>Environmental Research</i> , 2022, 212, 113592.	3.7	14
7	Anthropogenic impacts on antibiotic resistance genes and their hosts from pristine to urban river using metagenomic and binning approaches. <i>Aquatic Toxicology</i> , 2022, 249, 106221.	1.9	13
8	Metagenomic assembly and binning analyses the prevalence and spread of antibiotic resistance in water and fish gut microbiomes along an environmental gradient. <i>Journal of Environmental Management</i> , 2022, 318, 115521.	3.8	13
9	Biofilm characteristics and transcriptomic profiling of <i>Acinetobacter johnsonii</i> defines signatures for planktonic and biofilm cells. <i>Environmental Research</i> , 2022, 213, 113714.	3.7	7
10	Stress responses of testicular development, inflammatory and apoptotic activities in male zebrafish (<i>Danio rerio</i>) under starvation. <i>Developmental and Comparative Immunology</i> , 2021, 114, 103833.	1.0	12
11	BPA's transgenerational disturbance to transcription of ovarian steroidogenic genes in rare minnow <i>Gobiocypris rarus</i> via DNA and histone methylation. <i>Science of the Total Environment</i> , 2021, 762, 143055.	3.9	34
12	River contamination shapes the microbiome and antibiotic resistance in sharpbelly (<i>Hemiculter tiliaceus</i>) in the upper Rio Uberabinha, Brazil. <i>Ecotoxicology and Environmental Safety</i> , 2021, 211, 111955.	3.7	45
13	Zingiber officinale ethanolic extract attenuates oxidative stress, steroidogenic gene expression alterations, and testicular histopathology induced by sodium arsenite in male rats. <i>Environmental Science and Pollution Research</i> , 2021, 28, 19783-19798.	2.7	13
14	Shifts in bacterial communities and antibiotic resistance genes in surface water and gut microbiota of guppies (<i>Poecilia reticulata</i>) in the upper Rio Uberabinha, Brazil. <i>Ecotoxicology and Environmental Safety</i> , 2021, 211, 111955.	2.9	17
15	Population genetic structure of sharpbelly <i>Hemiculter leucisculus</i> (Basilesky, 1855) and morphological diversification along climate gradients in China. <i>Ecology and Evolution</i> , 2021, 11, 6798-6813.	0.8	6
16	Phenotype profiles and adaptive preference of <i>Acinetobacter johnsonii</i> isolated from Ba River with different environmental backgrounds. <i>Environmental Research</i> , 2021, 196, 110913.	3.7	13
17	Chronic exposure to Bisphenol A resulted in alterations of reproductive functions via immune defense, oxidative damage and disruption DNA/histone methylation in male rare minnow <i>Gobiocypris rarus</i> . <i>Aquatic Toxicology</i> , 2021, 236, 105849.	1.9	14
18	<i>Ephedra sinica</i> mitigates hepatic oxidative stress and inflammation via suppressing the TLR4/MyD88/NF- κ B pathway in fipronil-treated rats. <i>Environmental Science and Pollution Research</i> , 2021, 28, 62943-62958.	2.7	19

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19	Characteristics of phytoplankton-zooplankton communities and the roles in the transmission of antibiotic resistance genes under the pressure of river contamination. <i>Science of the Total Environment</i> , 2021, 780, 146452.	3.9	14
20	The impairment of continuous malnutrition on larval fish swimming performance at the mouth-opening stage. <i>Aquaculture</i> , 2021, 544, 737053.	1.7	9
21	Length-weight relationships of fish species from the Stung Russei Chrum River basin, Kingdom of Cambodia. <i>Journal of Applied Ichthyology</i> , 2021, 37, 354-355.	0.3	0
22	Bisphenol A disturbs transcription of steroidogenic genes in ovary of rare minnow <i>Gobiocypris rarus</i> via the abnormal DNA and histone methylation. <i>Chemosphere</i> , 2020, 240, 124935.	4.2	28
23	The cellular responses of autophagy, apoptosis, and 5-methylcytosine level in zebrafish cells upon nutrient deprivation stress. <i>Chemosphere</i> , 2020, 241, 124989.	4.2	17
24	Bisphenol A-associated alterations in DNA and histone methylation affects semen quality in rare minnow <i>Gobiocypris rarus</i> . <i>Aquatic Toxicology</i> , 2020, 226, 105580.	1.9	18
25	Genomic responses of DNA methylation and transcript profiles in zebrafish cells upon nutrient deprivation stress. <i>Science of the Total Environment</i> , 2020, 722, 137980.	3.9	11
26	Discrepant dose responses of bisphenol A on oxidative stress and DNA methylation in grass carp ovary cells. <i>Chemosphere</i> , 2020, 248, 126110.	4.2	17
27	Characterization of tetracycline effects on microbial community, antibiotic resistance genes and antibiotic resistance of <i>Aeromonas</i> spp. in gut of goldfish <i>Carassius auratus</i> Linnaeus. <i>Ecotoxicology and Environmental Safety</i> , 2020, 191, 110182.	2.9	39
28	Starvation stress affects the maternal development and larval fitness in zebrafish (<i>Danio rerio</i>). <i>Science of the Total Environment</i> , 2019, 695, 133897.	3.9	33
29	Single and combined exposures of waterborne Cu and Cd induced oxidative stress responses and tissue injury in female rare minnow (<i>Gobiocypris rarus</i>). <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2019, 222, 90-99.	1.3	20
30	N-acetylcysteine alleviated bisphenol A-induced testicular DNA hypermethylation of rare minnow (<i>Gobiocypris rarus</i>) by increasing cysteine contents. <i>Ecotoxicology and Environmental Safety</i> , 2019, 173, 243-250.	2.9	19
31	Bisphenol A disturbed the lipid metabolism mediated by sterol regulatory element binding protein 1 in rare minnow <i>Gobiocypris rarus</i> . <i>Aquatic Toxicology</i> , 2019, 207, 179-186.	1.9	17
32	Adverse effects of bisphenol A on Sertoli cell blood-testis barrier in rare minnow <i>Gobiocypris rarus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2019, 171, 475-483.	2.9	36
33	Bisphenol A regulates rare minnow testicular vitellogenin expression via reducing its promoter Er recruitment. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 423-429.	2.9	10
34	Adult exposure to bisphenol A in rare minnow <i>Gobiocypris rarus</i> reduces sperm quality with disruption of testicular aquaporins. <i>Chemosphere</i> , 2018, 193, 365-375.	4.2	20
35	Analysis of Bacterial Community Characteristics, Abundance of Antibiotics and Antibiotic Resistance Genes Along a Pollution Gradient of Ba River in Xi'an, China. <i>Frontiers in Microbiology</i> , 2018, 9, 3191.	1.5	48
36	Bisphenol A induced abnormal DNA methylation of ovarian steroidogenic genes in rare minnow <i>Gobiocypris rarus</i> . <i>General and Comparative Endocrinology</i> , 2018, 269, 156-165.	0.8	11

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37	Occurrence and distribution of antibiotics and antibiotic resistance genes in Ba River, China. <i>Science of the Total Environment</i> , 2018, 642, 1136-1144.	3.9	135
38	Maternal Bisphenol A exposure impaired endochondral ossification in craniofacial cartilage of rare minnow (<i>Gobiocypris rarus</i>) offspring. <i>Ecotoxicology and Environmental Safety</i> , 2018, 163, 514-520.	2.9	20
39	Steroidal and phenolic endocrine disrupting chemicals (EDCs) in surface water of Bahe River, China: Distribution, bioaccumulation, risk assessment and estrogenic effect on <i>Hemiculter leucisculus</i> . <i>Environmental Pollution</i> , 2018, 243, 103-114.	3.7	72
40	The DNA methylation status alteration of two steroidogenic genes in gonads of rare minnow after bisphenol A exposure. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2017, 198, 9-18.	1.3	11
41	Responses of gonadal transcriptome and physiological analysis following exposure to 17 β -ethynylestradiol in adult rare minnow <i>Gobiocypris rarus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2017, 141, 209-215.	2.9	17
42	DNA demethylation mediated by down-regulated TETs in the testes of rare minnow <i>Gobiocypris rarus</i> under bisphenol A exposure. <i>Chemosphere</i> , 2017, 171, 355-361.	4.2	19
43	Accumulation and detoxification dynamics of Chromium and antioxidant responses in juvenile rare minnow, <i>Gobiocypris rarus</i> . <i>Aquatic Toxicology</i> , 2017, 190, 174-180.	1.9	14
44	Accumulation and detoxification dynamics of microcystin-LR and antioxidant responses in male red swamp crayfish <i>Procambarus clarkii</i> . <i>Aquatic Toxicology</i> , 2016, 177, 8-18.	1.9	41
45	Gender-specific differences in gene expression profiles in gynogenetic Pengze crucian carp. <i>Animal Biology</i> , 2016, 66, 157-171.	0.6	0
46	Global DNA methylation in gonads of adult zebrafish <i>Danio rerio</i> under bisphenol A exposure. <i>Ecotoxicology and Environmental Safety</i> , 2016, 130, 124-132.	2.9	69
47	Enhanced GSH synthesis by Bisphenol A exposure promoted DNA methylation process in the testes of adult rare minnow <i>Gobiocypris rarus</i> . <i>Aquatic Toxicology</i> , 2016, 178, 99-105.	1.9	31
48	Bisphenol A induces spermatocyte apoptosis in rare minnow <i>Gobiocypris rarus</i> . <i>Aquatic Toxicology</i> , 2016, 179, 18-26.	1.9	31
49	Molecular mechanism of endocrine system impairment by 17 β -methyltestosterone in gynogenetic Pengze crucian carp offspring. <i>Ecotoxicology and Environmental Safety</i> , 2016, 128, 143-152.	2.9	23
50	Molecular identification of Kiss/GPR54 and function analysis with mRNA expression profiles exposure to 17 β -ethynylestradiol in rare minnow <i>Gobiocypris rarus</i> . <i>Molecular Biology Reports</i> , 2016, 43, 737-749.	1.0	11
51	Testicular transcript responses in rare minnow <i>Gobiocypris rarus</i> following different concentrations bisphenol A exposure. <i>Chemosphere</i> , 2016, 156, 357-366.	4.2	20
52	Effect of low-dose malathion on the gonadal development of adult rare minnow <i>Gobiocypris rarus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2016, 125, 135-140.	2.9	20
53	Oxidative stress and immunotoxic effects of bisphenol A on the larvae of rare minnow <i>Gobiocypris rarus</i> . <i>Ecotoxicology and Environmental Safety</i> , 2016, 124, 377-385.	2.9	46
54	Non-monotonic dose-response effect of bisphenol A on rare minnow <i>Gobiocypris rarus</i> ovarian development. <i>Chemosphere</i> , 2016, 144, 304-311.	4.2	40

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55	Effects of bisphenol A on lipid metabolism in rare minnow <i>Gobiocypris rarus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2016, 179, 144-149.	1.3	23
56	Activity and Transcriptional Responses of Hepatopancreatic Biotransformation and Antioxidant Enzymes in the Oriental River Prawn <i>Macrobrachium nipponense</i> Exposed to Microcystin-LR. <i>Toxins</i> , 2015, 7, 4006-4022.	1.5	22
57	Effects of 17 β -methyltestosterone on transcriptome, gonadal histology and sex steroid hormones in rare minnow <i>Gobiocypris rarus</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2015, 15, 20-27.	0.4	17
58	Molecular characterization of PXR and two sulfotransferases and hepatic transcripts of PXR, two sulfotransferases and CYP3A responsive to bisphenol A in rare minnow <i>Gobiocypris rarus</i> . <i>Molecular Biology Reports</i> , 2014, 41, 7153-7165.	1.0	7
59	Responsiveness of four gender-specific genes, <i>figla</i> , <i>foxl2</i> , <i>scp3</i> and <i>sox9a</i> to 17 β -ethinylestradiol in adult rare minnow <i>Gobiocypris rarus</i> . <i>General and Comparative Endocrinology</i> , 2014, 200, 44-53.	0.8	14
60	DNA methylation in the 5' flanking region of cytochrome P450 17 in adult rare minnow <i>Gobiocypris rarus</i> Tissue difference and effects of 17 β -ethinylestradiol and 17 β -methyltestosterone exposures. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2014, 162, 16-22.	1.3	10
61	Molecular cloning of <i>Pcc-dmrt1s</i> and their specific expression patterns in Pengze crucian carp (<i>Carassius auratus</i> var. <i>Pengze</i>) affected by 17 β -methyltestosterone. <i>Fish Physiology and Biochemistry</i> , 2014, 40, 1141-55.	0.9	16
62	Gene expression profiling of key genes in hypothalamus-pituitary-gonad axis of rare minnow <i>Gobiocypris rarus</i> in response to EE2. <i>Gene</i> , 2014, 552, 8-17.	1.0	14
63	Induction of oxidative stress and the transcription of genes related to apoptosis in rare minnow (<i>Gobiocypris rarus</i>) larvae with Aroclor 1254 exposure. <i>Ecotoxicology and Environmental Safety</i> , 2014, 110, 254-260.	2.9	31
64	Global and <i>cyp19a1a</i> gene specific DNA methylation in gonads of adult rare minnow <i>Gobiocypris rarus</i> under bisphenol A exposure. <i>Aquatic Toxicology</i> , 2014, 156, 10-16.	1.9	71
65	Hepatic expression patterns of aryl hydrocarbon receptor, pregnane X receptor, two cytochrome P450s and five phase II metabolism genes responsive to 17 α -methyltestosterone in rare minnow <i>Gobiocypris rarus</i> . <i>Environmental Toxicology and Pharmacology</i> , 2014, 37, 1157-1168.	2.0	11
66	Gonadal development and transcript profiling of steroidogenic enzymes in response to 17 β -methyltestosterone in the rare minnow <i>Gobiocypris rarus</i> . <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2014, 143, 223-232.	1.2	22
67	Low-dose bisphenol A disrupts gonad development and steroidogenic genes expression in adult female rare minnow <i>Gobiocypris rarus</i> . <i>Chemosphere</i> , 2014, 112, 435-442.	4.2	59
68	Molecular characterization of <i>gdf9</i> and <i>bmp15</i> genes in rare minnow <i>Gobiocypris rarus</i> and their expression upon bisphenol A exposure in adult females. <i>Gene</i> , 2014, 546, 214-221.	1.0	14
69	Molecular cloning and characterization of <i>amh</i> , <i>dax1</i> and <i>cyp19a1a</i> genes and their response to 17 β -methyltestosterone in Pengze crucian carp. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2013, 157, 372-381.	1.3	14
70	Molecular cloning and characterization of <i>cat</i> , <i>gpx1</i> and <i>Cu/Zn-sod</i> genes in pengze crucian carp (<i>Carassius auratus</i> var. <i>Pengze</i>) and antioxidant enzyme modulation induced by hexavalent chromium in juveniles. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2013, 157, 310-321.	1.3	47
71	Molecular characterization of five steroid receptors from pengze crucian carp and their expression profiles of juveniles in response to 17 β -ethinylestradiol and 17 β -methyltestosterone. <i>General and Comparative Endocrinology</i> , 2013, 191, 113-122.	0.8	31
72	Characterization of four <i>nr5a</i> genes and gene expression profiling for testicular steroidogenesis-related genes and their regulatory factors in response to bisphenol A in rare minnow <i>Gobiocypris rarus</i> . <i>General and Comparative Endocrinology</i> , 2013, 194, 31-44.	0.8	23

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73	Bisphenol A affects gene expression of gonadotropin-releasing hormones and type I GnRH receptors in brains of adult rare minnow <i>Gobiocypris rarus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2013, 157, 192-202.	1.3	32
74	Expression of two zona pellucida genes is regulated by 17 β -ethinylestradiol in adult rare minnow <i>Gobiocypris rarus</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2013, 158, 1-9.	1.3	13
75	Characterization of Reference Genes in Rare Minnow, <i>Gobiocypris Rarus</i> (Actinopterygii: Cypriniformes: Cyprinidae), in Early Postembryonic Development and in Response to Edcs Treatment. <i>Acta Ichthyologica Et Piscatoria</i> , 2013, 43, 127-138.	0.3	15
76	Molecular characterization of estrogen receptor genes in loach <i>Paramisgurnus dabryanus</i> and their expression upon 17 β -ethinylestradiol exposure in juveniles. <i>General and Comparative Endocrinology</i> , 2012, 178, 194-205.	0.8	19
77	Effects of 17 β -ethinylestradiol and bisphenol A on steroidogenic messenger ribonucleic acid levels in the rare minnow gonads. <i>Aquatic Toxicology</i> , 2012, 122-123, 19-27.	1.9	66
78	Expression of zona pellucida B proteins in juvenile rare minnow (<i>Gobiocypris rarus</i>) exposed to 17 β -ethinylestradiol, 4-nonylphenol and bisphenol A. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2012, 155, 259-268.	1.3	13
79	Molecular cloning of <i>Foxl2</i> gene and the effects of endocrine-disrupting chemicals on its mRNA level in rare minnow, <i>Gobiocypris rarus</i> . <i>Fish Physiology and Biochemistry</i> , 2012, 38, 653-664.	0.9	22
80	Molecular characterization of estrogen receptor genes in <i>Gobiocypris rarus</i> and their expression upon endocrine disrupting chemicals exposure in juveniles. <i>Aquatic Toxicology</i> , 2011, 101, 276-287.	1.9	38
81	Expression of two cytochrome P450 aromatase genes is regulated by endocrine disrupting chemicals in rare minnow <i>Gobiocypris rarus</i> juveniles. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2010, 152, 313-320.	1.3	35