

Xiao-Zhen Yang

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Moderate acidification mitigates the toxic effects of phenanthrene on the mitten crab <i>Eriocheir sinensis</i> . <i>Chemosphere</i> , 2022, 294, 133783.	8.2	9
2	Effects of Dietary Phospholipid and Cholesterol Levels on Growth, Molting Performance, and Ovary Development in Female Juvenile Crayfish (<i>Procambarus clarkii</i>). <i>Aquaculture Nutrition</i> , 2022, 2022, 1-16.	2.7	3
3	Effects of three feeding modes on the metabolism, antioxidant capacity, and metabolome of the adult male Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Aquaculture International</i> , 2022, 30, 1101-1119.	2.2	6
4	Polystyrene microplastics increase Pb bioaccumulation and health damage in the Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Science of the Total Environment</i> , 2022, 829, 154586.	8.0	34
5	Comparison of reproductive performance and offspring quality of purple and greenblack Chinese mitten crab, <i>Eriocheir sinensis</i> . <i>Aquaculture Research</i> , 2021, 52, 1291-1298.	1.8	3
6	Effects of miR-143 and its target receptor 5-HT2B on agonistic behavior in the Chinese mitten crab (<i>Eriocheir sinensis</i>). <i>Scientific Reports</i> , 2021, 11, 4492.	3.3	2
7	Gonadal development and biochemical composition of Chinese mitten crabs (<i>Eriocheir sinensis</i>) from four sources. <i>Journal of Food Science</i> , 2021, 86, 1066-1080.	3.1	7
8	Molecular dominance investigation of large-sized Chinese mitten crab (<i>Eriocheir sinensis</i>) parents based on the male accessory gland transcriptome. <i>Aquaculture Research</i> , 2021, 52, 3498-3507.	1.8	0
9	A comparative evaluation of the nutritional quality of three wild populations of female mitten crabs (<i>Eriocheir sensu stricto</i>) in northern China. <i>Crustaceana</i> , 2021, 94, 309-324.	0.3	2
10	Effects of melatonin feed on the changes of hemolymph immune parameters, antioxidant capacity, and mitochondrial functions in Chinese mitten crab (<i>Eriocheir sinensis</i>) caused by acute hypoxia. <i>Aquaculture</i> , 2021, 535, 736374.	3.5	19
11	Effects of dietary L-tryptophan supplementation on growth performance, food intake, digestive enzyme activity and serotonin (5-HT) levels in juvenile Chinese mitten crab (<i>Eriocheir sinensis</i>). <i>Aquaculture Nutrition</i> , 2021, 27, 1602-1611.	2.7	7
12	Effects of cadmium alone and in combination with pH on bioaccumulation, tissue structure, and enzyme activity of the Chinese mitten crab, <i>Eriocheir sinensis</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021, 245, 109025.	2.6	6
13	Changes in calcium content, histopathology and calreticulin expression in the juvenile Chinese mitten crab <i>Eriocheir sinensis</i> under different salinity conditions. <i>Aquaculture Research</i> , 2021, 52, 5462-5471.	1.8	6
14	Reproductive performance and semen characteristics of pond-reared and wild-caught large-sized male broodstock of the Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Animal Reproduction Science</i> , 2021, 234, 106865.	1.5	0
15	The effects of ammonia-N stress on immune parameters, antioxidant capacity, digestive function, and intestinal microflora of Chinese mitten crab, <i>Eriocheir sinensis</i> , and the protective effect of dietary supplement of melatonin. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2021, 250, 109127.	2.6	10
16	Effects of fish meal replacement with protein mixtures on growth, gonad development and amino acid composition of pre-adult red swamp crayfish, <i>Procambarus clarkii</i> (Girard, 1852) (Decapoda,). <i>Tj ETQqO O O rgBT /Ovedlock 102f 50 137</i>		
17	Immune response to abamectin-induced oxidative stress in Chinese mitten crab, <i>Eriocheir sinensis</i> . <i>Ecotoxicology and Environmental Safety</i> , 2020, 188, 109889.	6.0	30
18	Chromosome-level genome assembly reveals the unique genome evolution of the swimming crab (<i>Portunus trituberculatus</i>). <i>GigaScience</i> , 2020, 9, .	6.4	44

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19	TMT-based quantitative proteomic analysis of <i>Eriocheir sinensis</i> hemocytes and thoracic ganglion during <i>Spiroplasma eriocheiris</i> infection. <i>Fish and Shellfish Immunology</i> , 2020, 96, 126-137.	3.6	16
20	Functional expression patterns of four ecdysteroid receptor isoforms indicate their different functions during vitellogenesis of Chinese mitten crab, <i>Eriocheir sinensis</i> . <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2020, 248, 110754.	1.8	8
21	A comparative evaluation of the nutritional quality of <i>Eriocheir sinensis</i> and <i>Eriocheir japonica</i> (<i>Brachyura</i> , <i>Varunidae</i>). <i>Crustaceana</i> , 2020, 93, 567-585.	0.3	8
22	The protective effects of melatonin on survival, immune response, digestive enzymes activities and intestinal microbiota diversity in Chinese mitten crab (<i>Eriocheir sinensis</i>) exposed to glyphosate. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2020, 238, 108845.	2.6	11
23	Key metabolic and enzymatic adaptations underlie the benefits of formulated diets in the adult female Chinese mitten crab (<i>Eriocheir sinensis</i>). <i>Aquaculture Research</i> , 2020, 51, 5125-5140.	1.8	3
24	Dietary fishmeal replacement with a mixed blend protein evokes sex-specific differences on culture performance and physiological effects on Chinese mitten crab. <i>Aquaculture Nutrition</i> , 2020, 26, 2043-2058.	2.7	3
25	Micro-algal astaxanthin could improve the antioxidant capability, immunity and ammonia resistance of juvenile Chinese mitten crab, <i>Eriocheir sinensis</i> . <i>Fish and Shellfish Immunology</i> , 2020, 102, 499-510.	3.6	46
26	Transcriptome analysis reveals the potential mechanism of dietary carotenoids improving antioxidative capability and immunity of juvenile Chinese mitten crabs <i>Eriocheir sinensis</i> . <i>Fish and Shellfish Immunology</i> , 2020, 104, 359-373.	3.6	18
27	Effects of dietary fish meal replacement with protein mixtures on growth performance, biochemical composition, and physiological metabolism of juvenile swimming crab, <i>Portunus trituberculatus</i> . <i>Aquaculture International</i> , 2020, 28, 1531-1545.	2.2	4
28	Abamectin at environmentally-realistic concentrations cause oxidative stress and genotoxic damage in juvenile fish (<i>Schizothorax prenanthi</i>). <i>Aquatic Toxicology</i> , 2020, 225, 105528.	4.0	28
29	Identification and Integrated Analysis of MicroRNA and mRNA Expression Profiles During Agonistic Behavior in Chinese Mitten Crab (<i>Eriocheir sinensis</i>) Using a Deep Sequencing Approach. <i>Frontiers in Genetics</i> , 2020, 11, 321.	2.3	4
30	Effects of four natural diets on the culture performance and biochemical composition of megalopa of <i>Eriocheir sinensis</i> during desalination period. <i>Aquaculture Research</i> , 2020, 51, 2831-2841.	1.8	4
31	Effects of imidacloprid on the oxidative stress, detoxification and gut microbiota of Chinese mitten crab, <i>Eriocheir sinensis</i> . <i>Science of the Total Environment</i> , 2020, 729, 138276.	8.0	50
32	Identification and functional expression of two subtypes of glycerol-3-phosphate acyltransferase differently regulating triacylglyceride synthesis during ovary development in Chinese mitten crab, <i>Eriocheir sinensis</i> . <i>Journal of Experimental Zoology Part A: Ecological and Integrative Physiology</i> , 2019, 331, 494-505.	1.9	6
33	The serotonin or dopamine by cyclic adenosine monophosphate-protein kinase A pathway involved in the agonistic behaviour of Chinese mitten crab, <i>Eriocheir sinensis</i> . <i>Physiology and Behavior</i> , 2019, 209, 112621.	2.1	12
34	Effects of the glyphosate-based herbicide roundup on the survival, immune response, digestive activities and gut microbiota of the Chinese mitten crab, <i>Eriocheir sinensis</i> . <i>Aquatic Toxicology</i> , 2019, 214, 105243.	4.0	51
35	Salinity can change the lipid composition of adult Chinese mitten crab after long-term salinity adaptation. <i>PLoS ONE</i> , 2019, 14, e0219260.	2.5	18
36	5-HT _{2B} , 5-HT ₇ , and DA ₂ Receptors Mediate the Effects of 5-HT and DA on Agonistic Behavior of the Chinese Mitten Crab (<i>Eriocheir sinensis</i>). <i>ACS Chemical Neuroscience</i> , 2019, 10, 4502-4510.	3.5	9

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37	Sequence and phylogenetic analysis of the complete mitochondrial genome for Hepu mitten crab (<i>Eriocheir hepuensis</i>) from Nanjiujiang River basin. <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 3890-3891.	0.4	4
38	Effects of dietary fish oil replacement with blended vegetable oils on growth, lipid metabolism and antioxidant capacity of subadult swimming crab <i>Portunus trituberculatus</i> . <i>Aquaculture Nutrition</i> , 2019, 25, 1218-1230.	2.7	5
39	L-tryptophan promotes the cheliped regeneration of Chinese mitten crab (<i>Eriocheir sinensis</i>) through melatonin, serotonin and dopamine involvement. <i>Aquaculture</i> , 2019, 511, 734205.	3.5	12
40	Juvenile <i>Procambarus clarkii</i> farmed using biofloc technology or commercial feed in zero-water exchange indoor tanks: A comparison of growth performance, enzyme activity and proximate composition. <i>Aquaculture Research</i> , 2019, 50, 1834-1843.	1.8	22
41	Effect of estradiol on hepatopancreatic lipid metabolism in the swimming crab, <i>Portunus trituberculatus</i> . <i>General and Comparative Endocrinology</i> , 2019, 280, 115-122.	1.8	9
42	Comparative transcriptome reveals the potential modulation mechanisms of estradiol affecting ovarian development of female <i>Portunus trituberculatus</i> . <i>PLoS ONE</i> , 2019, 14, e0226698.	2.5	15
43	The protective effects of melatonin on oxidative damage and the immune system of the Chinese mitten crab (<i>Eriocheir sinensis</i>) exposed to deltamethrin. <i>Science of the Total Environment</i> , 2019, 653, 1426-1434.	8.0	90
44	The transcriptome sequencing and functional analysis of eyestalk ganglions in Chinese mitten crab (<i>Eriocheir sinensis</i>) treated with different photoperiods. <i>PLoS ONE</i> , 2019, 14, e0210414.	2.5	5
45	Comparative transcriptome analysis reveals osmotic-regulated genes in the gill of Chinese mitten crab (<i>Eriocheir sinensis</i>). <i>PLoS ONE</i> , 2019, 14, e0210469.	2.5	24
46	Effect of dietary L-tryptophan on the survival, immune response and gut microbiota of the Chinese mitten crab, <i>Eriocheir sinensis</i> . <i>Fish and Shellfish Immunology</i> , 2019, 84, 1007-1017.	3.6	32
47	Effect of exogenous estrogen on the ovarian development and gene expression in the female swimming crab <i>Portunus trituberculatus</i> (Miers, 1876) (Decapoda: Brachyura: Portunidae). <i>Journal of Crustacean Biology</i> , 2018, 38, 367-373.	0.8	22
48	Nutritional quality of different grades of adult male chinese mitten crab, <i>Eriocheir sinensis</i> . <i>Journal of Food Science and Technology</i> , 2018, 55, 944-955.	2.8	46
49	Does the wild-caught Chinese mitten crab megalopae perform better than the hatchery-produced seed during the juvenile culture?. <i>Aquaculture Research</i> , 2018, 49, 2042-2050.	1.8	13
50	Effects of the complete replacement of fish oil with linseed oil on growth, fatty acid composition, and protein expression in the Chinese mitten crab (<i>Eriocheir sinensis</i>). <i>Proteome Science</i> , 2018, 16, 6.	1.7	22
51	Immunolocalization and changes of 17beta-estradiol during ovarian development of Chinese mitten crab <i>Eriocheir Sinensis</i> . <i>Cell and Tissue Research</i> , 2018, 373, 509-520.	2.9	17
52	Can genetic diversity be maintained during mass selection of the Chinese mitten crab, <i>Eriocheir sinensis</i> ?. <i>Aquaculture Research</i> , 2018, 49, 1606-1615.	1.8	4
53	Genetic diversity and genetic structure of farmed and wild Chinese mitten crab (<i>Eriocheir</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 TF sequences. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2018, 29, 1081-1089.	0.7	16
54	Cellular and biochemical parameters following autotomy and ablation-mediated cheliped loss in the Chinese mitten crab, <i>Eriocheir sinensis</i> . <i>Developmental and Comparative Immunology</i> , 2018, 81, 33-43.	2.3	22

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55	Changes in bud morphology, growth-related genes and nutritional status during cheliped regeneration in the Chinese mitten crab, <i>Eriocheir sinensis</i> . PLoS ONE, 2018, 13, e0209617.	2.5	8
56	Dietary L-Tryptophan Modulates the Hematological Immune and Antibacterial Ability of the Chinese Mitten Crab, <i>Eriocheir sinensis</i> , Under Cheliped Autotomy Stress. Frontiers in Immunology, 2018, 9, 2744.	4.8	15
57	Reproductive potential of individual male Chinese mitten crabs <i>Eriocheir japonica sinensis</i> in a local pond-reared broodstock: Implications for parent crab selection and sex ratio optimization. Aquaculture Research, 2018, 49, 3498-3507.	1.8	2
58	Proteomic Analysis of the Hepatopancreas of Chinese Mitten Crabs (<i>Eriocheir sinensis</i>) Fed With a Linoleic Acid or \pm -Linolenic Acid Diet. Frontiers in Physiology, 2018, 9, 1430.	2.8	6
59	Molecular characterization and tissue distribution of carnitine palmitoyltransferases in Chinese mitten crab <i>Eriocheir sinensis</i> and the effect of dietary fish oil replacement on their expression in the hepatopancreas. PLoS ONE, 2018, 13, e0201324.	2.5	19
60	Oxidative stress and genotoxic effect of deltamethrin exposure on the Chinese mitten crab, <i>Eriocheir sinensis</i> . Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2018, 212, 25-33.	2.6	30
61	Melatonin Promotes Cheliped Regeneration, Digestive Enzyme Function, and Immunity Following Autotomy in the Chinese Mitten Crab, <i>Eriocheir sinensis</i> . Frontiers in Physiology, 2018, 9, 269.	2.8	32
62	The Hyperglycemic Effect of Melatonin in the Chinese Mitten Crab, <i>Eriocheir sinensis</i> . Frontiers in Physiology, 2018, 9, 270.	2.8	14
63	Assessment of the oxidative and genotoxic effects of the glyphosate-based herbicide roundup on the freshwater shrimp, <i>Macrobrachium nipponensis</i> . Chemosphere, 2018, 210, 896-906.	8.2	55
64	Hemolymph transcriptome analysis of Chinese mitten crab (<i>Eriocheir sinensis</i>) with intact, left cheliped autotomy and bilateral eyestalk ablation. Fish and Shellfish Immunology, 2018, 81, 266-275.	3.6	15
65	De novo transcriptome sequencing and analysis of male and female swimming crab (<i>Portunus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.7	31
66	Label-free quantification proteomics reveals the effects of dietary fish oil and soybean oil on the immune response of Chinese mitten crab, <i>Eriocheir sinensis</i> . Aquaculture Research, 2018, 49, 2927-2937.	1.8	1
67	Molecular cloning and functional expression of the 5-HT7 receptor in Chinese mitten crab (<i>Eriocheir</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10-17.	1.6	6
68	Comparison of culture performance and gonadal development of wild-caught Chinese mitten crab <i>Eriocheir sinensis</i> juveniles from three major river populations. Fisheries Science, 2018, 84, 929-937.	1.6	12
69	Cloning and functional characterization of the DA2 receptor gene in Chinese mitten crab (<i>Eriocheir</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.5	4
70	Effects of dietary supplementation of <i>Haematococcus pluvialis</i> powder on gonadal development, coloration and antioxidant capacity of adult male Chinese mitten crab (<i>Eriocheir sinensis</i>). Aquaculture Research, 2017, 48, 5214-5223.	1.8	27
71	Development of 42 SNP markers for the Chinese mitten crab <i>Eriocheir sinensis</i> based on transcriptomics. Conservation Genetics Resources, 2017, 9, 375-377.	0.8	2
72	Effects of glyphosate on immune responses and haemocyte DNA damage of Chinese mitten crab, <i>Eriocheir sinensis</i> . Fish and Shellfish Immunology, 2017, 71, 19-27.	3.6	67

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73	Physiological Responses and Ovarian Development of Female Chinese Mitten Crab <i>Eriocheir sinensis</i> Subjected to Different Salinity Conditions. <i>Frontiers in Physiology</i> , 2017, 8, 1072.	2.8	30
74	Effects of salinity on gonadal development, osmoregulation and metabolism of adult male Chinese mitten crab, <i>Eriocheir sinensis</i> . <i>PLoS ONE</i> , 2017, 12, e0179036.	2.5	54
75	Insights into Hepatopancreatic Functions for Nutrition Metabolism and Ovarian Development in the Crab <i>Portunus trituberculatus</i> : Gene Discovery in the Comparative Transcriptome of Different Hepatopancreas Stages. <i>PLoS ONE</i> , 2014, 9, e84921.	2.5	106
76	The full length cDNA cloning and expression analysis of RXR from the Chinese mitten crab (<i>Eriocheir sinensis</i>). <i>Journal of Fisheries of China</i> , 2013, 37, 1761.	0.1	6
77	Effects of elevated ambient histamine level on survival, growth, sexual maturity and tissue histamine accumulation of the mysis <i>Neomysis awatschensis</i> and <i>Neomysis japonica</i> Nakazawa. <i>Aquaculture International</i> , 2012, 20, 347-356.	2.2	6
78	Current Trends in Hatchery Techniques and Stock Enhancement for Chinese Mitten Crab, <i>Eriocheir japonica sinensis</i> . <i>Reviews in Fisheries Science</i> , 2008, 16, 377-384.	2.1	87
79	Effect of dietary supplementation of phospholipids and highly unsaturated fatty acids on reproductive performance and offspring quality of Chinese mitten crab, <i>Eriocheir sinensis</i> (H.) <i>Tj ETQq1 1 0.784314 BT /Overlock 10 Tf</i>	1.8	81
80	Biochemical composition of pond-reared and lake-stocked Chinese mitten crab <i>Eriocheir sinensis</i> (H.) <i>Tj ETQq0 0 0 BT /Overlock 10 Tf</i>	1.8	81
81	Comparative study of female Chinese mitten crabs based on their sizes and weights. <i>Journal of Food Science and Technology</i> , 0, , 1.	2.8	1
82	Evaluation of the inhibitory effects of four different microecological preparations on <i>Cladophora</i> . <i>Aquaculture International</i> , 0, , 1.	2.2	0
83	Response of Chinese mitten crab (<i>Eriocheir sinensis</i>) intestinal microbiota to commercial probiotic application. <i>Aquaculture Research</i> , 0, , .	1.8	2