

Xiao-Zhen Yang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2504973/publications.pdf>

Version: 2024-02-01

83
papers

1,719
citations

304743

22
h-index

330143

37
g-index

86
all docs

86
docs citations

86
times ranked

1150
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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 ETQq0 0 0 rgBT /Overlock 100650 697</i>	1.8	81
3	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
4	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
5	Biochemical composition of pond-reared and lake-stocked Chinese mitten crab <i>Eriocheir sinensis</i> (H.). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 100650 697</i>	1.8	81
6	Effects of glyphosate on immune responses and haemocyte DNA damage of Chinese mitten crab, <i>Eriocheir sinensis</i> . <i>Fish and Shellfish Immunology</i> , 2017, 71, 19-27.	3.6	67
7	Assessment of the oxidative and genotoxic effects of the glyphosate-based herbicide roundup on the freshwater shrimp, <i>Macrobrachium nipponensis</i> . <i>Chemosphere</i> , 2018, 210, 896-906.	8.2	55
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	Melatonin Promotes Cheliped Regeneration, Digestive Enzyme Function, and Immunity Following Autotomy in the Chinese Mitten Crab, <i>Eriocheir sinensis</i> . <i>Frontiers in Physiology</i> , 2018, 9, 269.	2.8	32
16	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
17	De novo transcriptome sequencing and analysis of male and female swimming crab (<i>Portunus</i>) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 100650 697</i>	2.7	31
18	Oxidative stress and genotoxic effect of deltamethrin exposure on the Chinese mitten crab, <i>Eriocheir sinensis</i> . <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2018, 212, 25-33.	2.6	30

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Abamectin at environmentally-realistic concentrations cause oxidative stress and genotoxic damage in juvenile fish (<i>Schizothorax prenanti</i>). <i>Aquatic Toxicology</i> , 2020, 225, 105528.	4.0	28
22	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>). <i>Aquaculture Research</i> , 2017, 48, 5214-5223.	1.8	27
23	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
24	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
25	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
26	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
27	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
28	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. <i>PLoS ONE</i> , 2018, 13, e0201324.	2.5	19
29	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
30	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
31	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
32	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
33	Genetic diversity and genetic structure of farmed and wild Chinese mitten crab (<i>Eriocheir</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 sequences. <i>Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis</i> , 2018, 29, 1081-1089.	0.7	16
34	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
35	Dietary L-Tryptophan Modulates the Hematological Immune and Antibacterial Ability of the Chinese Mitten Crab, <i>Eriocheir sinensis</i> , Under Cheliped Autotomy Stress. <i>Frontiers in Immunology</i> , 2018, 9, 2744.	4.8	15
36	Hemolymph transcriptome analysis of Chinese mitten crab (<i>Eriocheir sinensis</i>) with intact, left cheliped autotomy and bilateral eyestalk ablation. <i>Fish and Shellfish Immunology</i> , 2018, 81, 266-275.	3.6	15

#	ARTICLE	IF	CITATIONS
37	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
38	The Hyperglycemic Effect of Melatonin in the Chinese Mitten Crab, <i>Eriocheir sinensis</i> . <i>Frontiers in Physiology</i> , 2018, 9, 270.	2.8	14
39	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
40	Comparison of culture performance and gonadal development of wild-caught Chinese mitten crab <i>Eriocheir sinensis</i> juveniles from three major river populations. <i>Fisheries Science</i> , 2018, 84, 929-937.	1.6	12
41	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
42	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
43	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
44	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
45	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
46	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
47	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
48	Changes in bud morphology, growth-related genes and nutritional status during cheliped regeneration in the Chinese mitten crab, <i>Eriocheir sinensis</i> . <i>PLoS ONE</i> , 2018, 13, e0209617.	2.5	8
49	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
50	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
51	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
52	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
53	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
54	Proteomic Analysis of the Hepatopancreas of Chinese Mitten Crabs (<i>Eriocheir sinensis</i>) Fed With a Linoleic Acid or \pm -Linolenic Acid Diet. <i>Frontiers in Physiology</i> , 2018, 9, 1430.	2.8	6

#	ARTICLE	IF	CITATIONS
55	Molecular cloning and functional expression of the 5-HT ₇ receptor in Chinese mitten crab (<i>Eriocheir</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 10-17.	1.6	6
56	Identification and functional expression of two subtypes of glycerolâ€³phosphate acyltransferase differently regulating triacylglyceride synthesis during ovary development in Chinese mitten crab, <i>Eriocheir sinensis</i> . Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2019, 331, 494-505.	1.9	6
57	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> . Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2021, 245, 109025.	2.6	6
58	Changes in calcium content, histopathology and calreticulin expression in the juvenile Chinese mitten crab (<i>Eriocheir sinensis</i>) under different salinity conditions. Aquaculture Research, 2021, 52, 5462-5471.	1.8	6
59	The full length cDNA cloning and expression analysis of RXR from the Chinese mitten crab (<i>Eriocheir sinensis</i>). Journal of Fisheries of China, 2013, 37, 1761.	0.1	6
60	Effects of three feeding modes on the metabolism, antioxidant capacity, and metabolome of the adult male Chinese mitten crab <i>Eriocheir sinensis</i> . Aquaculture International, 2022, 30, 1101-1119.	2.2	6
61	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> . Aquaculture Nutrition, 2019, 25, 1218-1230.	2.7	5
62	The transcriptome sequencing and functional analysis of eyestalk ganglions in Chinese mitten crab (<i>Eriocheir sinensis</i>) treated with different photoperiods. PLoS ONE, 2019, 14, e0210414.	2.5	5
63	Can genetic diversity be maintained during mass selection of the Chinese mitten crab, <i>Eriocheir sinensis</i> ? Aquaculture Research, 2018, 49, 1606-1615.	1.8	4
64	Sequence and phylogenetic analysis of the complete mitochondrial genome for Hepu mitten crab (<i>Eriocheir hepuensis</i>) from Nanjiujiang River basin. Mitochondrial DNA Part B: Resources, 2019, 4, 3890-3891.	0.4	4
65	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> . Aquaculture International, 2020, 28, 1531-1545.	2.2	4
66	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. Frontiers in Genetics, 2020, 11, 321.	2.3	4
67	Effects of four natural diets on the culture performance and biochemical composition of megalopa of <i>Eriocheir sinensis</i> during desalination period. Aquaculture Research, 2020, 51, 2831-2841.	1.8	4
68	Cloning and functional characterization of the DA2 receptor gene in Chinese mitten crab (<i>Eriocheir</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.5	4
69	Key metabolic and enzymatic adaptations underlie the benefits of formulated diets in the adult female Chinese mitten crab <i>Eriocheir sinensis</i> . Aquaculture Research, 2020, 51, 5125-5140.	1.8	3
70	Dietary fishmeal replacement with a mixedâ€³blend protein evokes sexâ€³specific differences on culture performance and physiological effects on Chinese mitten crab. Aquaculture Nutrition, 2020, 26, 2043-2058.	2.7	3
71	Comparison of reproductive performance and offspring quality of purple and greenblack Chinese mitten crab, <i>Eriocheir sinensis</i> . Aquaculture Research, 2021, 52, 1291-1298.	1.8	3
72	Effects of Dietary Phospholipid and Cholesterol Levels on Growth, Molting Performance, and Ovary Development in Female Juvenile Crayfish (<i>Procambarus clarkii</i>). Aquaculture Nutrition, 2022, 2022, 1-16.	2.7	3

#	ARTICLE	IF	CITATIONS
73	Development of 42 SNP markers for the Chinese mitten crab <i>Eriocheir sinensis</i> based on transcriptomics. <i>Conservation Genetics Resources</i> , 2017, 9, 375-377.	0.8	2
74	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. <i>Aquaculture Research</i> , 2018, 49, 3498-3507.	1.8	2
75	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
76	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
77	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 ETQq1 1 0.7843140gBT /Overclock 10</i>	1.0	1
78	Response of Chinese mitten crab (<i>Eriocheir sinensis</i>) intestinal microbiota to commercial probiotic application. <i>Aquaculture Research</i> , 0, , .	1.8	2
79	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> . <i>Aquaculture Research</i> , 2018, 49, 2927-2937.	1.8	1
80	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
81	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
82	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
83	Evaluation of the inhibitory effects of four different microecological preparations on <i>Cladophora</i> . <i>Aquaculture International</i> , 0, , 1.	2.2	0