

Yongxu Cheng

List of Publications by Year in descending order

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79
papers

2,184
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201674

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docs citations

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1243
citing authors

#	ARTICLE	IF	CITATIONS
1	Composition and nutritional qualities of edible tissues of Chinese mitten crab (<i>Eriocheir sinensis</i>) from Ya Lake over different months. <i>Journal of Food Composition and Analysis</i> , 2022, 105, 104199.	3.9	9
2	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
3	Glyphosate-based herbicide causes spermatogenesis disorder and spermatozoa damage of the Chinese mitten crab (<i>Eriocheir sinensis</i>) by affecting testes characteristic enzymes, antioxidant capacities and inducing apoptosis. <i>Toxicology and Applied Pharmacology</i> , 2022, 447, 116086.	2.8	4
4	Estimation of genetic parameters for carotenoid traits in Chinese mitten crab, <i>Eriocheir sinensis</i> , females. <i>Aquaculture</i> , 2021, 532, 735990.	3.5	9
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	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
7	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
8	Evaluation of the nutritional quality of edible tissues (muscle and hepatopancreas) of cultivated <i>Procambarus clarkii</i> using biofloc technology. <i>Aquaculture Reports</i> , 2021, 19, 100586.	1.7	10
9	Towards defining optimal dietary protein levels for male and female sub-adult Chinese mitten crab, <i>Eriocheir sinensis</i> reared in earthen ponds: Performances, nutrient composition and metabolism, antioxidant capacity and immunity. <i>Aquaculture</i> , 2021, 536, 736442.	3.5	16
10	Effect of different feeding modes on the growth, biochemical composition, and living environment of the juvenile Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Aquaculture</i> , 2021, 541, 736687.	3.5	8
11	Dietary Analysis Based on 18S rDNA, and Stable Carbon and Nitrogen Isotopes in Juvenile <i>Eriocheir sinensis</i> Crabs Reared Under Three Feeding Modes. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	2
12	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
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	Effects of fattening period on ovarian development and nutritional quality of adult female Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Aquaculture</i> , 2020, 519, 734748.	3.5	28
15	Fattening culture improves the gonadal development and nutritional quality of male Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Aquaculture</i> , 2020, 518, 734865.	3.5	24
16	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
17	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
18	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

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19	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
20	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
21	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
22	Impacts of different feeding modes on the gonadal development, total edible yield, and nutritional composition of male Chinese mitten crab (<i>Eriocheir sinensis</i>). <i>Aquaculture and Fisheries</i> , 2020, 5, 300-307.	2.2	10
23	Growth performance, gonad development and nutritional composition of Chinese mitten crab <i>Eriocheir sinensis</i> selected for growth and different maturity time. <i>Aquaculture</i> , 2020, 523, 735194.	3.5	20
24	Carapace color affects carotenoid composition and nutritional quality of the Chinese mitten crab, <i>Eriocheir sinensis</i> . <i>LWT - Food Science and Technology</i> , 2020, 126, 109286.	5.2	18
25	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
26	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
27	Can color-related traits in the Chinese mitten crab (<i>Eriocheir sinensis</i>) be improved through quantitative genetic inheritance?. <i>Aquaculture</i> , 2019, 512, 734355.	3.5	8
28	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
29	Defatted <i>Haematococcus pluvialis</i> meal can enhance the coloration of adult Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Aquaculture</i> , 2019, 510, 371-379.	3.5	19
30	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
31	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
32	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
33	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
34	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
35	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
36	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

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37	Genetic diversity and genetic structure of farmed and wild Chinese mitten crab (<i>Eriocheir</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 62 sequences. Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis, 2018, 29, 1081-1089.	0.7	16
38	Length-weight relationships of three fish species from the costal of Hainan, the South China Sea. Journal of Applied Ichthyology, 2018, 34, 206-207.	0.7	1
39	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
40	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
41	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
42	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
43	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
44	De novo transcriptome sequencing and analysis of male and female swimming crab (<i>Portunus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	2.7	31
45	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
46	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
47	Cloning and functional characterization of the DA2 receptor gene in Chinese mitten crab (<i>Eriocheir</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 62	2.5	4
48	Effects of dietary supplementation with <i>Haematococcus pluvialis</i> cell powder on coloration, ovarian development and antioxidation capacity of adult female Chinese mitten crab, <i>Eriocheir sinensis</i> . Aquaculture, 2017, 473, 545-553.	3.5	66
49	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
50	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
51	The ovarian development pattern of pond-reared Chinese mitten crab, <i>Eriocheir sinensis</i> H. Milne-Edwards, 1853. Crustaceana, 2017, 90, 449-470.	0.3	40
52	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
53	Reproductive performance, offspring quality, proximate and fatty acid composition of normal and precocious Chinese mitten crab <i>Eriocheir sinensis</i> . Aquaculture, 2017, 469, 137-143.	3.5	27
54	Effects of dietary lipids on the hepatopancreas transcriptome of Chinese mitten crab (<i>Eriocheir</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	2.5	25

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55	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
56	Lipometabolic Alteration in Mice Feeding Eatable Tissues of Chinese Mitten Crab. <i>Journal of Agricultural Science</i> , 2016, 9, 195.	0.2	0
57	Effects of limb autotomy on growth, feeding and regeneration in the juvenile <i>Eriocheir sinensis</i> . <i>Aquaculture</i> , 2016, 457, 79-84.	3.5	22
58	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
59	Comparison of the culture performance and profitability of wild-caught and captive pond-reared Chinese mitten crab (<i>Eriocheir sinensis</i>) juveniles reared in grow-out ponds: Implications for seed selection and genetic selection programs. <i>Aquaculture</i> , 2014, 434, 48-56.	3.5	73
60	Meat Quality of Chinese Mitten Crabs Fattened with Natural and Formulated Diets. <i>Journal of Aquatic Food Product Technology</i> , 2014, 23, 59-72.	1.4	46
61	Effects of pH, temperature, and osmolarity on the morphology and survival rate of primary hemocyte cultures from the Mitten Crab, <i>Eriocheir sinensis</i> . <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2013, 49, 716-727.	1.5	14
62	Cloning and tissue distribution of a fatty acyl Δ^6 -desaturase-like gene and effects of dietary lipid levels on its expression in the hepatopancreas of Chinese mitten crab (<i>Eriocheir sinensis</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2013, 165, 99-105.	1.6	36
63	Hepatopancreas and Gonad Quality of Chinese Mitten Crabs Fattened with Natural and Formulated Diets. <i>Journal of Food Quality</i> , 2013, 36, 217-227.	2.6	57
64	Research on dynamic quality traceability system of <i>Eriocheir sinensis</i> seedling based on IOT smart service. <i>Journal of Fisheries of China</i> , 2013, 37, 1262.	0.1	5
65	Effects of Histamine on Survival and Immune Parameters of the Chinese Mitten Crab, <i>Eriocheir sinensis</i> . <i>Journal of Shellfish Research</i> , 2012, 31, 827-834.	0.9	28
66	Changes in Biochemical Composition of Newly Spawned Eggs, Prehatching Embryos and Newly Hatched Larvae of the Blue Crab <i>Callinectes sapidus</i> . <i>Journal of Shellfish Research</i> , 2012, 31, 941-946.	0.9	14
67	Larviculture techniques of Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Aquaculture</i> , 2011, 315, 16-19.	3.5	67
68	Ovarian re-maturation following the first spawning in the Chinese mitten crab, <i>Eriocheir sinensis</i> (H.). <i>Journal of Shellfish Research</i> , 2011, 30, 18-22.	1.8	6
69	Effect of dietary HUFA on tissue fatty acid composition and reproductive performance of Chinese mitten crab <i>Eriocheir sinensis</i> (H. Milne-Edwards) broodstock. <i>Aquaculture International</i> , 2011, 19, 269-282.	2.2	25
70	Effect of hypoxia on immunological, physiological response, and hepatopancreatic metabolism of juvenile Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Aquaculture International</i> , 2011, 19, 283-299.	2.2	59
71	Comparison of gender differences in biochemical composition and nutritional value of various edible parts of the blue swimmer crab. <i>Journal of Food Composition and Analysis</i> , 2010, 23, 154-159.	3.9	82
72	Reproductive performance and offspring quality of wild-caught and pond-reared swimming crab <i>Portunus trituberculatus</i> broodstock. <i>Aquaculture</i> , 2010, 301, 78-84.	3.5	54

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73	Reproductive performance and offspring quality of the first and the second brood of female swimming crab, <i>Portunus trituberculatus</i> . <i>Aquaculture</i> , 2010, 303, 94-100.	3.5	32
74	Reproductive performance and offspring quality of Chinese mitten crab <i>Eriocheir sinensis</i> (H.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i> <i>constricta</i> . <i>Aquaculture Research</i> , 2009, 40, 1335-1349.	1.8	27
75	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
76	The effect of dietary n-3 HUFA levels and DHA/EPA ratios on growth, survival and osmotic stress tolerance of Chinese mitten crab <i>Eriocheir sinensis</i> larvae. <i>Aquaculture</i> , 2007, 273, 139-150.	3.5	90
77	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 0.784314rgBT /Overlock 10 Tf 5</i>	1.8	27
78	Biochemical composition of pond-reared and lake-stocked Chinese mitten crab <i>Eriocheir sinensis</i> (H.) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	1.8	27
79	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