Yongxu Cheng

List of Publications by Year
in descending order

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		201674	254184
79	2,184	27	43
papers	citations	h-index	g-index

80	80	80	1243
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Insights into Hepatopancreatic Functions for Nutrition Metabolism and Ovarian Development in the Crab Portunus trituberculatus: Gene Discovery in the Comparative Transcriptome of Different Hepatopancreas Stages. PLoS ONE, 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, Eriocheir sinensis (H.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 697	3.5	105
3	The effect of dietary n-3 HUFA levels and DHA/EPA ratios on growth, survival and osmotic stress tolerance of Chinese mitten crab Eriocheir sinensis larvae. Aquaculture, 2007, 273, 139-150.	3.5	90
4	The protective effects of melatonin on oxidative damage and the immune system of the Chinese mitten crab (Eriocheir sinensis) exposed to deltamethrin. Science of the Total Environment, 2019, 653, 1426-1434.	8.0	90
5	Current Trends in Hatchery Techniques and Stock Enhancement for Chinese Mitten Crab, Eriocheir japonica sinensis. Reviews in Fisheries Science, 2008, 16, 377-384.	2.1	87
6	Comparison of gender differences in biochemical composition and nutritional value of various edible parts of the blue swimmer crab. Journal of Food Composition and Analysis, 2010, 23, 154-159.	3.9	82
7	Biochemical composition of pond-reared and lake-stocked Chinese mitten crab Eriocheir sinensis (H.) Tj ETQq1 1 0.784314 rgBT /Overlo	1.8	81
8	Comparison of the culture performance and profitability of wild-caught and captive pond-reared Chinese mitten crab (Eriocheir sinensis) juveniles reared in grow-out ponds: Implications for seed selection and genetic selection programs. Aquaculture, 2014, 434, 48-56.	3.5	73
9	Larviculture techniques of Chinese mitten crab Eriocheir sinensis. Aquaculture, 2011, 315, 16-19.	3.5	67
10	Effects of glyphosate on immune responses and haemocyte DNA damage of Chinese mitten crab, Eriocheir sinensis. Fish and Shellfish Immunology, 2017, 71, 19-27.	3.6	67
11	Effects of dietary supplementation with Haematococcus pluvialis cell powder on coloration, ovarian development and antioxidation capacity of adult female Chinese mitten crab, Eriocheir sinensis. Aquaculture, 2017, 473, 545-553.	3.5	66
12	Effect of hypoxia on immunological, physiological response, and hepatopancreatic metabolism of juvenile Chinese mitten crab Eriocheir sinensis. Aquaculture International, 2011, 19, 283-299.	2.2	59
13	Hepatopancreas and Gonad Quality of <scp>C</scp>hinese Mitten Crabs Fattened with Natural and Formulated Diets. Journal of Food Quality, 2013, 36, 217-227.	2.6	57
14	Assessment of the oxidative and genotoxic effects of the glyphosate-based herbicide roundup on the freshwater shrimp, Macrobrachium nipponensis. Chemosphere, 2018, 210, 896-906.	8.2	55
15	Reproductive performance and offspring quality of wild-caught and pond-reared swimming crab Portunus trituberculatus broodstock. Aquaculture, 2010, 301, 78-84.	3.5	54
16	Effects of the glyphosate-based herbicide roundup on the survival, immune response, digestive activities and gut microbiota of the Chinese mitten crab, Eriocheir sinensis. Aquatic Toxicology, 2019, 214, 105243.	4.0	51
17	Meat Quality of Chinese Mitten Crabs Fattened with Natural and Formulated Diets. Journal of Aquatic Food Product Technology, 2014, 23, 59-72.	1.4	46
18	Nutritional quality of different grades of adult male chinese mitten crab, Eriocheir sinensis. Journal of Food Science and Technology, 2018, 55, 944-955.	2.8	46

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19	Micro-algal astaxanthin could improve the antioxidant capability, immunity and ammonia resistance of juvenile Chinese mitten crab, Eriocheir sinensis. Fish and Shellfish Immunology, 2020, 102, 499-510.	3.6	46
20	Chromosome-level genome assembly reveals the unique genome evolution of the swimming crab (Portunus trituberculatus). GigaScience, 2020, 9, .	6.4	44
21	The ovarian development pattern of pond-reared Chinese mitten crab, Eriocheir sinensis H. Milne-Edwards, 1853. Crustaceana, 2017, 90, 449-470.	0.3	40
22	Cloning and tissue distribution of a fatty acyl Î”6-desaturase-like gene and effects of dietary lipid levels on its expression in the hepatopancreas of Chinese mitten crab (Eriocheir sinensis). Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2013, 165, 99-105.	1.6	36
23	Reproductive performance and offspring quality of the first and the second brood of female swimming crab, Portunus trituberculatus. Aquaculture, 2010, 303, 94-100.	3.5	32
24	De novo transcriptome sequencing and analysis of male and female swimming crab (Portunus) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542	2.7	31
25	Physiological Responses and Ovarian Development of Female Chinese Mitten Crab Eriocheir sinensis Subjected to Different Salinity Conditions. Frontiers in Physiology, 2017, 8, 1072.	2.8	30
26	Effects of Histamine on Survival and Immune Parameters of the Chinese Mitten Crab,Eriocheir sinensis. Journal of Shellfish Research, 2012, 31, 827-834.	0.9	28
27	Effects of fattening period on ovarian development and nutritional quality of adult female Chinese mitten crab Eriocheir sinensis. Aquaculture, 2020, 519, 734748.	3.5	28
28	Reproductive performance and offspring quality of Chinese mitten crabEriocheir sinensis(H.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 constricta. Aquaculture Research, 2009, 40, 1335-1349.	1.8	27
29	Effects of dietary supplementation ofHaematococcus pluvialispowder on gonadal development, coloration and antioxidant capacity of adult male Chinese mitten crab (Eriocheir sinensis). Aquaculture Research, 2017, 48, 5214-5223.	1.8	27
30	Reproductive performance, offspring quality, proximate and fatty acid composition of normal and precocious Chinese mitten crab Eriocheir sinensis. Aquaculture, 2017, 469, 137-143.	3.5	27
31	Effect of dietary HUFA on tissue fatty acid composition and reproductive performance of Chinese mitten crab Eriocheir sinensis (H. Milne-Edwards) broodstock. Aquaculture International, 2011, 19, 269-282.	2.2	25
32	Effects of dietary lipids on the hepatopancreas transcriptome of Chinese mitten crab (Eriocheir) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 22	2.5	25
33	Fattening culture improves the gonadal development and nutritional quality of male Chinese mitten crab Eriocheir sinensis. Aquaculture, 2020, 518, 734865.	3.5	24
34	Effects of limb autotomy on growth, feeding and regeneration in the juvenile Eriocheir sinensis. Aquaculture, 2016, 457, 79-84.	3.5	22
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 (Eriocheir sinensis). Proteome Science, 2018, 16, 6.	1.7	22
36	JuvenileProcambarus clarkiifarmed using biofloc technology or commercial feed in zeroâ€water exchange indoor tanks: A comparison of growth performance, enzyme activity and proximate composition. Aquaculture Research, 2019, 50, 1834-1843.	1.8	22

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37	Growth performance, gonad development and nutritional composition of Chinese mitten crab Eriocheir sinensis selected for growth and different maturity time. Aquaculture, 2020, 523, 735194.	3.5	20
38	Defatted Haematococcus pluvialis meal can enhance the coloration of adult Chinese mitten crab Eriocheir sinensis. Aquaculture, 2019, 510, 371-379.	3.5	19
39	Transcriptome analysis reveals the potential mechanism of dietary carotenoids improving antioxidative capability and immunity of juvenile Chinese mitten crabs Eriocheir sinensis. Fish and Shellfish Immunology, 2020, 104, 359-373.	3.6	18
40	Carapace color affects carotenoid composition and nutritional quality of the Chinese mitten crab, Eriochier sinensis. LWT - Food Science and Technology, 2020, 126, 109286.	5.2	18
41	Genetic diversity and genetic structure of farmed and wild Chinese mitten crab (Eriocheir) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf sequences. Mitochondrial DNA Part A: DNA Mapping, Sequencing, and Analysis, 2018, 29, 1081-1089.	0.7	16
42	Towards defining optimal dietary protein levels for male and female sub-adult Chinese mitten crab, Eriocheir sinensis reared in earthen ponds: Performances, nutrient composition and metabolism, antioxidant capacity and immunity. Aquaculture, 2021, 536, 736442.	3.5	16
43	Dietary L-Tryptophan Modulates the Hematological Immune and Antibacterial Ability of the Chinese Mitten Crab, Eriocheir sinensis, Under Cheliped Autotomy Stress. Frontiers in Immunology, 2018, 9, 2744.	4.8	15
44	Hemolymph transcriptome analysis of Chinese mitten crab (Eriocheir sinensis) with intact, left cheliped autotomy and bilateral eyestalk ablation. Fish and Shellfish Immunology, 2018, 81, 266-275.	3.6	15
45	Changes in Biochemical Composition of Newly Spawned Eggs, Prehatching Embryos and Newly Hatched Larvae of the Blue CrabCallinectes sapidus. Journal of Shellfish Research, 2012, 31, 941-946.	0.9	14
46	Effects of pH, temperature, and osmolarity on the morphology and survival rate of primary hemocyte cultures from the Mitten Crab, Eriocheir sinensis. In Vitro Cellular and Developmental Biology - Animal, 2013, 49, 716-727.	1.5	14
47	Does the wild-caught Chinese mitten crab megalopae perform better than the hatchery-produced seed during the juvenile culture?. Aquaculture Research, 2018, 49, 2042-2050.	1.8	13
48	Comparison of culture performance and gonadal development of wild-caught Chinese mitten crab Eriocheir sinensis juveniles from three major river populations. Fisheries Science, 2018, 84, 929-937.	1.6	12
49	L-tryptophan promotes the cheliped regeneration of Chinese mitten crab (Eriocheir sinensis) through melatonin, serotonin and dopamine involvement. Aquaculture, 2019, 511, 734205.	3.5	12
50	The protective effects of melatonin on survival, immune response, digestive enzymes activities and intestinal microbiota diversity in Chinese mitten crab (Eriocheir sinensis) exposed to glyphosate. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2020, 238, 108845.	2.6	11
51	Impacts of different feeding modes on the gonadal development, total edible yield, and nutritional composition of male Chinese mitten crab (Eriocheir sinensis). Aquaculture and Fisheries, 2020, 5, 300-307.	2.2	10
52	Evaluation of the nutritional quality of edible tissues (muscle and hepatopancreas) of cultivated Procambarus clarkii using biofloc technology. Aquaculture Reports, 2021, 19, 100586.	1.7	10
53	Estimation of genetic parameters for carotenoid traits in Chinese mitten crab, Eriocheir sinensis, females. Aquaculture, 2021, 532, 735990.	3.5	9
54	Composition and nutritional qualities of edible tissues of Chinese mitten crab (Eriocheir sinensis) from Ya Lake over different months. Journal of Food Composition and Analysis, 2022, 105, 104199.	3.9	9

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55	Can color-related traits in the Chinese mitten crab (Eriocheir sinensis) be improved through quantitative genetic inheritance?. Aquaculture, 2019, 512, 734355.	3.5	8
56	A comparative evaluation ofÂthe nutritional quality ofÂEriocheir sinensis and Eriocheir japonica (Brachyura,ÂVarunidae). Crustaceana, 2020, 93, 567-585.	0.3	8
57	Effect of different feeding modes on the growth, biochemical composition, and living environment of the juvenile Chinese mitten crab Eriocheir sinensis. Aquaculture, 2021, 541, 736687.	3.5	8
58	Gonadal development and biochemical composition of Chinese mitten crabs (Eriocheir sinensis) from four sources. Journal of Food Science, 2021, 86, 1066-1080.	3.1	7
59	Ovarian re-maturation following the first spawning in the Chinese mitten crab, Eriocheir sinensis (H.) Tj ETQq1 1 0.784314 rgBT /Over	1.8	6
60	Proteomic Analysis of the Hepatopancreas of Chinese Mitten Crabs (Eriocheir sinensis) Fed With a Linoleic Acid or Î±-Linolenic Acid Diet. Frontiers in Physiology, 2018, 9, 1430.	2.8	6
61	Identification and functional expression of two subtypes of glycerolâ€3â€phosphate acyltransferase differently regulating triacylglyceride synthesis during ovary development in Chinese mitten crab, Eriocheir sinensis. Journal of Experimental Zoology Part A: Ecological and Integrative Physiology, 2019, 331, 494-505.	1.9	6
62	Effects of three feeding modes on the metabolism, antioxidant capacity, and metabolome of the adult male Chinese mitten crab Eriocheir sinensis. Aquaculture International, 2022, 30, 1101-1119.	2.2	6
63	Effects of dietary fish oil replacement with blended vegetable oils on growth, lipid metabolism and antioxidant capacity of subadult swimming crabPortunus trituberculatus. Aquaculture Nutrition, 2019, 25, 1218-1230.	2.7	5
64	Research on dynamic quality traceability system ofEriocheir sinensisseedling based on IOT smart service. Journal of Fisheries of China, 2013, 37, 1262.	0.1	5
65	Can genetic diversity be maintained during mass selection of the Chinese mitten crab,Eriocheir sinensis?. Aquaculture Research, 2018, 49, 1606-1615.	1.8	4
66	Cloning and functional characterization of the DA2 receptor gene in Chinese mitten crab (Eriocheir) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	2.5	4
67	Glyphosate-based herbicide causes spermatogenesis disorder and spermatozoa damage of the Chinese mitten crab (Eriocheir sinensis) by affecting testes characteristic enzymes, antioxidant capacities and inducing apoptosis. Toxicology and Applied Pharmacology, 2022, 447, 116086.	2.8	4
68	Key metabolic and enzymatic adaptations underlie the benefits of formulated diets in the adult female Chinese mitten crabEriocheir sinensis. Aquaculture Research, 2020, 51, 5125-5140.	1.8	3
69	Dietary fishmeal replacement with a mixedâ€blend protein evokes sexâ€specific differences on culture performance and physiological effects on Chinese mitten crab. Aquaculture Nutrition, 2020, 26, 2043-2058.	2.7	3
70	Comparison of reproductive performance and offspring quality of purple and greenblack Chinese mitten crab, Eriocheir sinensis. Aquaculture Research, 2021, 52, 1291-1298.	1.8	3
71	Development of 42 SNP markers for the Chinese mitten crab Eriocheir sinensis based on transcriptomics. Conservation Genetics Resources, 2017, 9, 375-377.	0.8	2
72	Reproductive potential of individual male Chinese mitten crabs Eriocheir japonica sinensis in a local pond-reared broodstock: Implications for parent crab selection and sex ratio optimization. Aquaculture Research, 2018, 49, 3498-3507.	1.8	2

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73	Dietary Analysis Based on 18S rDNA, and Stable Carbon and Nitrogen Isotopes in Juvenile Eriocheir sinensis Crabs Reared Under Three Feeding Modes. Frontiers in Marine Science, 2021, 8, .	2.5	2
74	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
75	Label-free quantification proteomics reveals the effects of dietary fish oil and soybean oil on the immune response of Chinese mitten crab, Eriocheir sinensis. Aquaculture Research, 2018, 49, 2927-2937.	1.8	1
76	Comparative study of female Chinese mitten crabs based on their sizes and weights. Journal of Food Science and Technology, 0, , 1.	2.8	1
77	Lipometabolic Alteration in Mice Feeding Eatable Tissues of Chinese Mitten Crab. Journal of Agricultural Science, 2016, 9, 195.	0.2	0
78	Molecular dominance investigation of largeâ€sized Chinese mitten crab (Eriocheir sinensis) parents based on the male accessory gland transcriptome. Aquaculture Research, 2021, 52, 3498-3507.	1.8	0
79	Reproductive performance and semen characteristics of pond-reared and wild-caught large-sized male broodstock of the Chinese mitten crab Eriocheir sinensis. Animal Reproduction Science, 2021, 234, 106865.	1.5	0