

# Chong Zhao

## List of Publications by Year in descending order

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59  
papers

502  
citations

933447

10  
h-index

839539

18  
g-index

59  
all docs

59  
docs citations

59  
times ranked

274  
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimates of heritabilities and genetic correlations for growth and gonad traits in the sea urchin <i>Strongylocentrotus intermedius</i> . <i>Aquaculture Research</i> , 2012, 43, 271-280.	1.8	45
2	Transgenerational effects of ocean warming on the sea urchin <i>Strongylocentrotus intermedius</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 151, 212-219.	6.0	36
3	Effects of long-term elevated temperature on covering, sheltering and righting behaviors of the sea urchin <i>Strongylocentrotus intermedius</i> . <i>PeerJ</i> , 2017, 5, e3122.	2.0	32
4	Effects of water temperature on survival, behaviors and growth of the sea urchin <i>Mesocentrotus nudus</i> : new insights into the stock enhancement. <i>Aquaculture</i> , 2020, 519, 734873.	3.5	26
5	Large-scale production of sea urchin ( <i>Strongylocentrotus intermedius</i> ) seed in a hatchery in China. <i>Aquaculture International</i> , 2019, 27, 1-7.	2.2	25
6	Cloning and gene expression of allograft inflammatory factor-1 (AIF-1) provide new insights into injury and bacteria response of the sea cucumber <i>Apostichopus japonicus</i> (Selenka, 1867). <i>Fish and Shellfish Immunology</i> , 2014, 38, 400-405.	3.6	18
7	Effects of temperature and feeding regime on food consumption, growth, gonad production and quality of the sea urchin <i>Strongylocentrotus intermedius</i> . <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2016, 96, 185-195.	0.8	17
8	Effects of Covering Behavior and Exposure to a Predatory Crab <i>Charybdis japonica</i> on Survival and HSP70 Expression of Juvenile Sea Urchins <i>Strongylocentrotus intermedius</i> . <i>PLoS ONE</i> , 2014, 9, e97840.	2.5	15
9	Gulfweed <i>Sargassum horneri</i> is an alternative diet for aquaculture of juvenile sea urchins <i>Strongylocentrotus intermedius</i> in summer. <i>Aquaculture International</i> , 2017, 25, 905-914.	2.2	13
10	Carryover effects of short-term UV-B radiation on fitness related traits of the sea urchin <i>Strongylocentrotus intermedius</i> . <i>Ecotoxicology and Environmental Safety</i> , 2018, 164, 659-664.	6.0	13
11	Transcriptomes shed light on transgenerational and developmental effects of ocean warming on embryos of the sea urchin <i>Strongylocentrotus intermedius</i> . <i>Scientific Reports</i> , 2020, 10, 7931.	3.3	13
12	Diel observation on the distribution of the sea urchin <i>Strongylocentrotus intermedius</i> under different food availability and shelter conditions in the laboratory. <i>Marine and Freshwater Behaviour and Physiology</i> , 2013, 45, 357-364.	0.9	10
13	Fitness-related consequences shed light on the mechanisms of covering and sheltering behaviors in the sea urchin <i>Glyptocidaris crenularis</i> . <i>Marine Ecology</i> , 2016, 37, 998-1007.	1.1	10
14	Transcriptome analysis of body wall reveals growth difference between the largest and smallest individuals in the pure and hybrid populations of <i>Apostichopus japonicus</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2019, 31, 100591.	1.0	10
15	Effects of handling stresses on fitness related behaviors of small sea cucumbers <i>Apostichopus japonicus</i> : New insights into seed production. <i>Aquaculture</i> , 2022, 546, 737321.	3.5	10
16	Light intensity regulates phototaxis, foraging and righting behaviors of the sea urchin <i>Strongylocentrotus intermedius</i> . <i>PeerJ</i> , 2019, 7, e8001.	2.0	10
17	Effects of the brown algae <i>Sargassum horneri</i> and <i>Saccharina japonica</i> on survival, growth and resistance of small sea urchins <i>Strongylocentrotus intermedius</i> . <i>Scientific Reports</i> , 2020, 10, 12495.	3.3	9
18	Banana peel provides a new insight into improving gonad flavor in the sea urchin <i>Strongylocentrotus intermedius</i> . <i>Aquaculture International</i> , 2014, 22, 833-841.	2.2	8

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19	Correlation analyses of covering and righting behaviors to fitness related traits of the sea urchin <i>Glyptocidaris crenularis</i> in different environmental conditions. <i>Chinese Journal of Oceanology and Limnology</i> , 2016, 34, 1183-1190.	0.7	8
20	Transcriptomes reveal genes involved in covering and sheltering behaviors of the sea urchin <i>Strongylocentrotus intermedius</i> exposed to UV-B radiation. <i>Ecotoxicology and Environmental Safety</i> , 2019, 167, 236-241.	6.0	8
21	Long-term effects of light spectra on fitness related behaviors and growth of the sea urchin <i>Strongylocentrotus intermedius</i> . <i>Aquaculture</i> , 2021, 537, 736518.	3.5	8
22	Multilevel effects of long-term elevated temperature on fitness related traits of the sea urchin <i>Strongylocentrotus intermedius</i> . <i>Bulletin of Marine Science</i> , 2018, 94, 1483-1497.	0.8	8
23	Identification of Sex-Specific Markers Through 2b-RAD Sequencing in the Sea Urchin ( <i>Mesocentrotus</i> ) Tj ETQq1 1 0,784314 rgBT /Overl	2.3	7
24	Testis-specific expression pattern of <i>dmrt1</i> and its putative regulatory region in the sea urchin ( <i>Mesocentrotus nudus</i> ). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2022, 257, 110668.	1.6	7
25	One generation of inbreeding does not affect covering behavior of the sea urchin <i>Strongylocentrotus intermedius</i> . <i>Marine and Freshwater Behaviour and Physiology</i> , 2013, 46, 345-350.	0.9	6
26	Diel patterns of covering behavior by male and female <i>Strongylocentrotus intermedius</i> . <i>Marine and Freshwater Behaviour and Physiology</i> , 2013, 46, 337-343.	0.9	6
27	Effects of Light and Covering Behavior on PAX6 Expression in the Sea Urchin <i>Strongylocentrotus intermedius</i> . <i>PLoS ONE</i> , 2014, 9, e110895.	2.5	6
28	The effects of prolonged food deprivation on the covering behavior of the sea urchins <i>Glyptocidaris crenularis</i> and <i>Strongylocentrotus intermedius</i> . <i>Marine and Freshwater Behaviour and Physiology</i> , 2014, 47, 11-18.	0.9	6
29	Effects of inbreeding on growth, gametogenesis, gonad production, quality and MYP expression in the sea urchin <i>Strongylocentrotus intermedius</i> . <i>Aquaculture International</i> , 2015, 23, 903-912.	2.2	6
30	Effects of short-term continuous and intermittent feeding regimes on food consumption, growth, gonad production and quality of sea urchin <i>Strongylocentrotus intermedius</i> fed a formulated feed. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2017, 97, 359-367.	0.8	6
31	Effects of UV-B radiation on fitness related behaviors of the sea urchin <i>Strongylocentrotus intermedius</i> . <i>Journal of Oceanology and Limnology</i> , 2018, 36, 1681-1687.	1.3	6
32	Interaction among sea urchins in response to food cues. <i>Scientific Reports</i> , 2021, 11, 9985.	3.3	6
33	Effects of eliminating interactions in multi-layer culture on survival, food utilization and growth of small sea urchins <i>Strongylocentrotus intermedius</i> at high temperatures. <i>Scientific Reports</i> , 2021, 11, 15116.	3.3	6
34	Effects of artificial reefs on selectivity and behaviors of the sea cucumber <i>Apostichopus japonicas</i> : New insights into the pond culture. <i>Aquaculture Reports</i> , 2021, 21, 100842.	1.7	6
35	Transgenerational effects of UV-B radiation on egg size, fertilization, hatching and larval size of sea urchins <i>Strongylocentrotus intermedius</i> . <i>PeerJ</i> , 2019, 7, e7598.	2.0	6
36	Heritability and phenotypic correlations of gonad sweetness in the sea urchin <i>Strongylocentrotus intermedius</i> . <i>Aquaculture International</i> , 2014, 22, 1737-1742.	2.2	5

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37	<i>Opsin4</i> , <i>Opsin5</i> , and <i>Pax6</i> significantly increase their expression in recently settled juveniles of the sea urchin <i>Strongylocentrotus intermedius</i> (Echinodermata: Echinoidea). <i>Invertebrate Reproduction and Development</i> , 2015, 59, 119-123.	0.8	5
38	Effects of macroalgae <i>Gracilaria lemaneiformis</i> and <i>Saccharina japonica</i> on growth and gonadal development of the sea urchin <i>Strongylocentrotus intermedius</i> : New insights into the aquaculture management in southern China. <i>Aquaculture Reports</i> , 2020, 17, 100399.	1.7	5
39	Segregation in multi-layer culture avoids precocious puberty, improves thermal tolerance and decreases disease transmission in the juvenile sea urchin <i>Strongylocentrotus intermedius</i> : a new approach to longline culture. <i>Aquaculture</i> , 2021, 543, 736956.	3.5	5
40	Fitness benefits and costs of shelters to the sea urchin <i>Glyptocidaris crenularis</i> . <i>PeerJ</i> , 2020, 8, e8886.	2.0	5
41	Diel observation on the trade-off between covering and sheltering behaviours of male and female <i>Strongylocentrotus intermedius</i> in laboratory. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2014, 94, 1471-1474.	0.8	4
42	Long-term effects of temperature on gonad production, colour and flavour of the sea urchin <i>Glyptocidaris crenularis</i> . <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2015, 95, 139-143.	0.8	4
43	<i>TRPA1</i> expression provides new insights into thermal perception by the sea urchin <i>Strongylocentrotus intermedius</i> . <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2019, 99, 1825-1829.	0.8	4
44	Light spectra regulated foraging and feeding behaviors shed light on stock enhancement of the sea urchin <i>Strongylocentrotus intermedius</i> . <i>Aquaculture Reports</i> , 2020, 18, 100480.	1.7	4
45	Carryover effects of long-term high water temperatures on fitness-related traits of the offspring of the sea urchin <i>Strongylocentrotus intermedius</i> . <i>Marine Environmental Research</i> , 2021, 169, 105371.	2.5	4
46	An effective facility decreases disease transmission and promotes resistance ability of small sea urchins <i>Strongylocentrotus intermedius</i> : A potential application in the longline culture. <i>Aquaculture</i> , 2022, 547, 737542.	3.5	4
47	Macroalgae and interspecific alarm cues regulate behavioral interactions between sea urchins and sea cucumbers. <i>Scientific Reports</i> , 2022, 12, 3971.	3.3	4
48	Conspecific alarm cues are a potential effective barrier to regulate foraging behavior of the sea urchin <i>Mesocentrotus nudus</i> . <i>Marine Environmental Research</i> , 2021, 171, 105476.	2.5	3
49	A cost-effective approach to decreasing the disease transmission of the sea urchin <i>Strongylocentrotus intermedius</i> : New information for seed production and longline culture. <i>Aquaculture</i> , 2022, 548, 737569.	3.5	3
50	First report on tube feet differential pigmentation in the cultivated sea urchin <i>Strongylocentrotus intermedius</i> (Agassiz, 1863) and its relationship with growth performance. <i>Aquaculture Research</i> , 2010, 41, no-no.	1.8	2
51	Foraging behavior of the sea urchin <i>Mesocentrotus nudus</i> exposed to conspecific alarm cues in various conditions. <i>Scientific Reports</i> , 2021, 11, 15654.	3.3	2
52	Digestive Enzyme Activities and Gut Emptying Are Correlated with the Reciprocal Regulation of <i>TRPA1</i> Ion Channel and Serotonin in the Gut of the Sea Urchin <i>Strongylocentrotus intermedius</i> . <i>Biology</i> , 2022, 11, 503.	2.8	2
53	Notice of Retraction: Evaluation of Morphology Traits to Predict Weight Traits in the Razor Clam <i>Solen strictus</i> . , 2011, , .		1
54	Phenotypic correlations of somatic and gonad traits of sea urchins <i>Glyptocidaris crenularis</i> in two sampled periods: first insight into its breeding and aquaculture. <i>Chinese Journal of Oceanology and Limnology</i> , 2014, 32, 344-348.	0.7	1

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55	Effects of flow velocity on fitness-related behaviours of the sea urchin <i>Mesocentrotus nudus</i> : new information on stock enhancement. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2020, 100, 963-967.	0.8	1
56	Effects of light intensity on Opsin4 , Opsin5, and Pax6 expressions of the sea urchin <i>Strongylocentrotus intermedius</i> . <i>Marine Ecology</i> , 2020, 41, e12593.	1.1	1
57	Transmission of black mouth disease shed light on the aquaculture management of the sea urchin <i>Strongylocentrotus intermedius</i> . <i>Aquaculture</i> , 2022, 549, 737788.	3.5	1
58	Assessment of negative phototaxis in long-term fasted <i>Glyptocidaris crenularis</i> : a new insight into measuring stress responses of sea urchins in aquaculture. <i>Chinese Journal of Oceanology and Limnology</i> , 2015, 33, 37-44.	0.7	0
59	High fitness areas drive the aggregation of the sea urchin <i>Mesocentrotus nudus</i> . <i>PeerJ</i> , 2022, 10, e12820.	2.0	0