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List of Publications by Year
in descending order

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Version: 2024-02-01

91 papers	1,860 citations	331259 21 h-index	329751 37 g-index
93 all docs	93 docs citations	93 times ranked	1259 citing authors

#	Article	IF	Citations
1	The sea cucumber genome provides insights into morphological evolution and visceral regeneration. PLoS Biology, 2017, 15, e2003790.	2.6	202
2	Microplastic ingestion by the farmed sea cucumber Apostichopus japonicus in China. Environmental Pollution, 2019, 245, 1071-1078.	3.7	141
3	Heavy metals in sediment, microplastic and sea cucumber Apostichopus japonicus from farms in China. Marine Pollution Bulletin, 2019, 143, 42-49.	2.3	89
4	Metabolome responses of the sea cucumber Apostichopus japonicus to multiple environmental stresses: Heat and hypoxia. Marine Pollution Bulletin, 2019, 138, 407-420.	2.3	56
5	Impact of hypoxia stress on the physiological responses of sea cucumber Apostichopus japonicus: respiration, digestion, immunity and oxidative damage. PeerJ, 2018, 6, e4651.	0.9	55
6	The hard clam genome reveals massive expansion and diversification of inhibitors of apoptosis in Bivalvia. BMC Biology, 2021, 19, 15.	1.7	52
7	Feeding behavior and digestive physiology in sea cucumber Apostichopus japonicus. Physiology and Behavior, 2015, 139, 336-343.	1.0	50
8	The effect of salinity on the growth, energy budget and physiological performance of green, white and purple color morphs of sea cucumber, Apostichopus japonicus. Aquaculture, 2015, 437, 297-303.	1.7	46
9	Understanding the Heat Shock Response in the Sea Cucumber Apostichopus japonicus, Using iTRAQ-Based Proteomics. International Journal of Molecular Sciences, 2016, 17, 150.	1.8	45
10	Development strategies for the sea cucumber industry in China. Journal of Oceanology and Limnology, 2019, 37, 300-312.	0.6	45
11	Feeding preferences of the sea cucumber Apostichopus japonicus (Selenka) on various seaweed diets. Aquaculture, 2012, 344-349, 205-209.	1.7	42
12	Microplastic fibers transfer from the water to the internal fluid of the sea cucumber Apostichopus japonicus. Environmental Pollution, 2020, 257, 113606.	3.7	40
13	Effects of dietary protein levels on the growth, energy budget, and physiological and immunological performance of green, white and purple color morphs of sea cucumber, Apostichopus japonicus. Aquaculture, 2016, 450, 375-382.	1.7	37
14	Global-warming-caused changes of temperature and oxygen alter the proteomic profile of sea cucumber Apostichopus japonicus. Journal of Proteomics, 2019, 193, 27-43.	1.2	37
15	Histological, ultrastructural and heat shock protein 70 (HSP70) responses to heat stress in the sea cucumber Apostichopus japonicus. Fish and Shellfish Immunology, 2015, 45, 321-326.	1.6	36
16	Molecular cloning of heat shock protein 10 (Hsp10) and 60 (Hsp60) cDNAs and their expression analysis under thermal stress in the sea cucumber Apostichopus japonicus. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2014, 171, 49-57.	0.7	34
17	Influence of flow velocity on motor behavior of sea cucumber Apostichopus japonicus. Physiology and Behavior, 2015, 144, 52-59.	1.0	34
18	Differential Expression of miRNAs in the Respiratory Tree of the Sea Cucumber Apostichopus japonicus Under Hypoxia Stress. G3: Genes, Genomes, Genetics, 2017, 7, 3681-3692.	0.8	28

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19	Comparative metabolomic analysis of the body wall from four varieties of the sea cucumber Apostichopus japonicus. Food Chemistry, 2021, 352, 129339.	4.2	26
20	Short-term exposure to norfloxacin induces oxidative stress, neurotoxicity and microbiota alteration in juvenile large yellow croaker Pseudosciaena crocea. Environmental Pollution, 2020, 267, 115397.	3.7	25
21	Effect of chronic exposure to microplastic fibre ingestion in the sea cucumber Apostichopus japonicus. Ecotoxicology and Environmental Safety, 2021, 209, 111794.	2.9	24
22	Polymorphisms of heat shock protein 90 (Hsp90) in the sea cucumber Apostichopus japonicus and their association with heat-resistance. Fish and Shellfish Immunology, 2014, 41, 428-436.	1.6	23
23	iTRAQ reveals proteomic changes during intestine regeneration in the sea cucumber Apostichopus japonicus. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2017, 22, 39-49.	0.4	23
24	Comparison of pigment composition and melanin content among white, light-green, dark-green, and purple morphs of sea cucumber, Apostichopus japonicus. Acta Oceanologica Sinica, 2017, 36, 45-51.	0.4	23
25	Reproduction affects locomotor behaviour and muscle physiology in the sea cucumber, Apostichopus japonicus. Animal Behaviour, 2017, 133, 223-228.	0.8	23
26	Effects of mud substrate and water current on the behavioral characteristics and growth of the sea cucumber Apostichopus japonicus in the Yuehu lagoon of northern China. Aquaculture International, 2014, 22, 423-433.	1.1	22
27	Genomic and Metagenomic Insights Into the Microbial Community in the Regenerating Intestine of the Sea Cucumber Apostichopus japonicus. Frontiers in Microbiology, 2019, 10, 1165.	1.5	22
28	Time course analysis of immunity-related gene expression in the sea cucumber Apostichopus japonicus during exposure to thermal and hypoxic stress. Fish and Shellfish Immunology, 2019, 95, 383-390.	1.6	21
29	The regulation mechanism of lncRNAs and mRNAs in sea cucumbers under global climate changes: Defense against thermal and hypoxic stresses. Science of the Total Environment, 2020, 709, 136045.	3.9	21
30	A new system for the culture and stock enhancement of sea cucumber, Apostichopus japonicus (Selenka),in cofferdams. Aquaculture Research, 2011, 42, 1431-1439.	0.9	20
31	Effect of water temperature on diel feeding, locomotion behaviour and digestive physiology in sea cucumber Apostichopus japonicus. Journal of Experimental Biology, 2018, 221, .	0.8	20
32	An artificial oyster-shell reef for the culture and stock enhancement of sea cucumber,Apostichopus japonicus, in shallow seawater. Aquaculture Research, 2015, 46, 2260-2269.	0.9	19
33	Functional groupings and food web of an artificial reef used for sea cucumber aquaculture in northern China. Journal of Sea Research, 2017, 119, 1-7.	0.6	19
34	The Effect of Melatonin on Locomotor Behavior and Muscle Physiology in the Sea Cucumber Apostichopus japonicus. Frontiers in Physiology, 2019, 10, 221.	1.3	18
35	Understanding regulation of microRNAs on intestine regeneration in the sea cucumber Apostichopus japonicus using high-throughput sequencing. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2017, 22, 1-9.	0.4	17
36	Identification and expression characterization of WntA during intestinal regeneration in the sea cucumber Apostichopus japonicus. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2017, 210, 55-63.	0.7	17

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37	Metabolic responses to intestine regeneration in sea cucumbers Apostichopus japonicus. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2017, 22, 32-38.	0.4	15
38	Effects of dietary protein levels on the activity of the digestive enzyme of albino and normal Apostichopus japonicus (Selenka). Aquaculture Research, 2018, 49, 1302-1309.	0.9	15
39	A comparison of the effects of light intensity on movement and growth of albino and normal sea cucumbers (Apostichopus japonicusSelenka). Marine and Freshwater Behaviour and Physiology, 2013, 46, 351-366.	0.4	14
40	Evaluation of body weight of sea cucumber Apostichopus japonicus by computer vision. Chinese Journal of Oceanology and Limnology, 2015, 33, 114-120.	0.7	14
41	Existence and functions of a kisspeptin neuropeptide signaling system in a non-chordate deuterostome species. ELife, 2020, 9, .	2.8	14
42	Effects of an artificial oyster shell reef on macrobenthic communities in Rongcheng Bay, East China. Chinese Journal of Oceanology and Limnology, 2014, 32, 99-110.	0.7	13
43	Transcriptome analysis provides insights into the mechanism of albinism during different pigmentation stages of the albino sea cucumber Apostichopus japonicus. Aquaculture, 2018, 486, 148-160.	1.7	13
44	Transcriptome analysis provides insights into the molecular mechanisms responsible for evisceration behavior in the sea cucumber Apostichopus japonicus. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2019, 30, 143-157.	0.4	13
45	Energy budget adjustment of sea cucumber Apostichopus japonicus during breeding period. Aquaculture Research, 2018, 49, 1657-1663.	0.9	12
46	Differential gene expression in the intestine of sea cucumber (Apostichopus japonicus) under low and high salinity conditions. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2018, 25, 34-41.	0.4	12
47	Effect of culture methods on individual variation in the growth of sea cucumber Apostichopus japonicus within a cohort and family. Chinese Journal of Oceanology and Limnology, 2014, 32, 737-742.	0.7	11
48	Aquaculture, Stock Enhancement, and Restocking. Developments in Aquaculture and Fisheries Science, 2015, 39, 289-322.	1.3	11
49	Molecular cloning of hsf1 and hsbp1 cDNAs, and the expression of hsf1, hsbp1 and hsp70 under heat stress in the sea cucumber Apostichopus japonicus. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2016, 198, 1-9.	0.7	11
50	Effect of Temperature on Growth, Energy Budget, and Physiological Performance of Green, White, and Purple Color Morphs of Sea Cucumber, Apostichopus japonicus. Journal of the World Aquaculture Society, 2018, 49, 625-637.	1.2	11
51	Growth, histology, ultrastructure and expression of MITF and astacin in the pigmentation stages of green, white and purple morphs of the sea cucumber,Apostichopus japonicus. Aquaculture Research, 2018, 49, 177-187.	0.9	11
52	De Novo assembly and comparative transcriptome analyses of purple and green morphs of Apostichopus japonicus during body wall pigmentation process. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2018, 28, 151-161.	0.4	11
53	Sea cucumbers in a high temperature and low dissolved oxygen world: Roles of miRNAs in the regulation of environmental stresses. Environmental Pollution, 2021, 268, 115509.	3.7	11
54	IBT-based quantitative proteomics identifies potential regulatory proteins involved in pigmentation of purple sea cucumber, Apostichopus japonicus. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2017, 23, 17-26.	0.4	11

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55	Growth, survival and immune activity of scallops, Chlamys farreri Jones et Preston, compared between suspended and bottom culture in Haizhou Bay, China. Aquaculture Research, 2010, 41, 814-827.	0.9	10
56	Comparative Phospho- and Acetyl Proteomics Analysis of Posttranslational Modifications Regulating Intestine Regeneration in Sea Cucumbers. Frontiers in Physiology, 2018, 9, 836.	1.3	10
57	Raptor/mTORC1 Acts as a Modulatory Center to Regulate Anti-bacterial Immune Response in Rockfish. Frontiers in Immunology, 2019, 10, 2953.	2.2	10
58	Metabolomic analysis of white, green and purple morphs of sea cucumber Apostichopus japonicus during body color pigmentation process. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2021, 39, 100827.	0.4	10
59	Aerated sea mud is beneficial for post-nursery culture of early juvenile sea cucumber Apostichopus japonicus (Selenka). Aquaculture International, 2016, 24, 211-224.	1.1	9
60	Differential gene expression in the body wall of the sea cucumber (Apostichopus japonicus) under strong lighting and dark conditions. Acta Oceanologica Sinica, 2018, 37, 54-66.	0.4	9
61	Quantitative microbiome profiling links microbial community variation to the intestine regeneration rate of the sea cucumber Apostichopus japonicus. Genomics, 2020, 112, 5012-5020.	1.3	8
62	The Effect of Pedal Peptide-Type Neuropeptide on Locomotor Behavior and Muscle Physiology in the Sea Cucumber Apostichopus japonicus. Frontiers in Physiology, 2020, 11, 559348.	1.3	8
63	Metabolomic analysis of coelomic fluids reveals the physiological mechanisms underlying evisceration behavior in the sea cucumber Apostichopus japonicus. Aquaculture, 2021, 543, 736960.	1.7	8
64	A new system for bottom co-culture of the scallop, Patinopecten yessoensis, with the sea cucumber, Apostichopus japonicus, and the sea urchin, Anthocidaris crassispina, in shallow water in China. Aquaculture International, 2014, 22, 1403-1415.	1.1	7
65	Effects of dietary ascorbic acid levels on the growth, energy budget, and immunological performance of green, white, and purple color morphs of the sea cucumber, Apostichopus japonicus. Animal Feed Science and Technology, 2017, 226, 1-11.	1.1	6
66	Genome-wide analysis of gene expression profile in the respiratory tree of sea cucumber (Apostichopus japonicus) in response to hypoxia conditions. Journal of the Marine Biological Association of the United Kingdom, 2018, 98, 2039-2048.	0.4	6
67	Seasonal variations in growth and clearance rate of the Zhikong scallop Chlamys farreri suspended in the deep water of Haizhou Bay, China. Aquaculture International, 2010, 18, 813-824.	1.1	5
68	Environmental Drivers of Behavior. Developments in Aquaculture and Fisheries Science, 2015, , 133-152.	1.3	5
69	The influence of genetics factor on key growth traits and quantitative genetic analysis of sea cucumber Apostichopus Japonicus (Selenka) heat-resistant and fast-growing strain. Aquaculture International, 2015, 23, 219-233.	1.1	5
70	Responses of antioxidant defenses in the clam Mactra veneriformis to 2,2â€²,4,4â€²â€‘tetrabromodiphenyl ether exposure. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2019, 217, 98-105.	1.3	5
71	Transcriptome analysis of phototransduction-related genes in tentacles of the sea cucumber Apostichopus japonicus. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2020, 34, 100675.	0.4	5
72	Transcriptome analysis of gender-biased CYP genes in gonads of the sea cucumber Apostichopus japonicus. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2021, 38, 100790.	0.4	5

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73	Physiological traits of income breeding strategy in the sea cucumber Apostichopus japonicus. Aquaculture, 2021, 539, 736646.	1.7	5
74	Emerging roles of circRNAs in regulating thermal and hypoxic stresses in Apostichopus japonicus (Echinodermata: Holothuroidea). Ecotoxicology and Environmental Safety, 2021, 228, 112994.	2.9	5
75	Ultrastructure developments during spermiogenesis in Polydora ciliata (Annelida: Spionidae), a parasite of mollusca. Journal of Ocean University of China, 2014, 13, 1071-1077.	0.6	4
76	Habitat Enhancement and Rehabilitation. Developments in Aquaculture and Fisheries Science, 2015, 39, 333-351.	1.3	4
77	Effect of stocking density on key growth traits of a fast-growing and heat-resistant strain of sea cucumber (Apostichopus japonicus). Aquaculture Research, 2016, 47, 3636-3643.	0.9	4
78	Effects of different flow velocities on behavior and TRPA1 expression in the sea cucumber Apostichopus japonicas. Journal of Oceanology and Limnology, 2020, 38, 1328-1340.	0.6	4
79	Plasticity of Respiratory Function Accommodates High Oxygen Demand in Breeding Sea Cucumbers. Frontiers in Physiology, 2020, 11, 283.	1.3	4
80	Influence of an L-type SALMFamide neuropeptide on locomotory performance and muscle physiology in the sea cucumber Apostichopus japonicus. Journal of Experimental Biology, 2021, 224, .	0.8	4
81	Survival, growth and immune activity of scallop Chlamys farreri cultured at different depths in Haizhou Bay (Yellow Sea, China) during hot season. Chinese Journal of Oceanology and Limnology, 2010, 28, 498-507.	0.7	3
82	A deposit-feeder sea cucumber also ingests suspended particles through the mouth. Journal of Experimental Biology, 2020, 223, .	0.8	3
83	Ecoâ€friendly method for rearing sea cucumber (Apostichopus japonicus) larvae. Aquaculture Research, 2022, 53, 3759-3766.	0.9	3
84	A new tagging method and its early stress effect on the sea cucumber Apostichopus japonicus. Aquaculture, 2017, 468, 156-161.	1.7	2
85	Quality evaluation of indoorâ€•and outdoorâ€cultured sea cucumber (Apostichopus japonicus) seedlings: Insight from survival and immune performance in response to combined stress of hyperthermia and hyposalinity. Aquaculture Research, 2019, 50, 3673-3683.	0.9	2
86	Timeâ€series response of immune enzymes and catecholamines in juvenile sea cucumber Apostichopus japonicus during longâ€term live transport. Aquaculture Research, 2019, 50, 2117-2124.	0.9	2
87	Plasticity of Locomotor Activity Permits Energy Homeostasis During Reproduction in a Female Sea Cucumber. Frontiers in Marine Science, 2021, 8, .	1.2	2
88	Influence of vibration caused by sound on migration of sea cucumber Apostichopus japonicus. Aquaculture Research, 2017, 48, 5072-5082.	0.9	1
89	Use of quantitative real-time PCR to select reference genes in the testis and ovary of Apostichopus japonicus during the breeding period. Aquaculture Reports, 2022, 22, 101010.	0.7	1
90	Landscape and dynamics of accessible chromatin during pigmentation process in green, white and purple sea cucumber Apostichopus japonicus. Aquaculture Reports, 2022, 23, 101040.	0.7	1

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91	Changes in key enzyme activities and metabolites during in vitro maturation of Apostichopus japonicus oocyte under desiccation stress. Aquaculture Research, 2019, 50, 400-411.	0.9	0