Menghong Hu

List of Publications by Year
in descending order

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99 papers	3,080 citations	136740 32 h-index	197535 49 g-index
100 all docs	100 docs citations	100 times ranked	2117 citing authors

#	Article	IF	Citations
1	Effect of pH and temperature on antioxidant responses of the thick shell mussel Mytilus coruscus. Fish and Shellfish Immunology, 2015, 46, 573-583.	1.6	133
2	Physiological energetics of the thick shell mussel Mytilus coruscus exposed to seawater acidification and thermal stress. Science of the Total Environment, 2015, 514, 261-272.	3.9	125
3	Microplastic accumulation via trophic transfer: Can a predatory crab counter the adverse effects of microplastics by body defence?. Science of the Total Environment, 2021, 754, 142099.	3.9	108
4	Nanoplastics impair the intestinal health of the juvenile large yellow croaker Larimichthys crocea. Journal of Hazardous Materials, 2020, 397, 122773.	6.5	107
5	Microplastics impair digestive performance but show little effects on antioxidant activity in mussels under low pH conditions. Environmental Pollution, 2020, 258, 113691.	3.7	98
6	Rethinking Nanoâ€TiO₂ Safety: Overview of Toxic Effects in Humans and Aquatic Animals. Small, 2020, 16, e2002019.	5.2	97
7	The combined effects of oxygen availability and salinity on physiological responses and scope for growth in the green-lipped mussel Perna viridis. Marine Pollution Bulletin, 2011, 63, 255-261.	2.3	82
8	Is microplastic an oxidative stressor? Evidence from a meta-analysis on bivalves. Journal of Hazardous Materials, 2022, 423, 127211.	6.5	72
9	Hemocyte responses of the thick shell mussel Mytilus coruscus exposed to nano-TiO 2 and seawater acidification. Aquatic Toxicology, 2016, 180, 1-10.	1.9	68
10	Replacement of fish meal by rendered animal protein ingredients with lysine and methionine supplementation to practical diets for gibel carp, Carassius auratus gibelio. Aquaculture, 2008, 275, 260-265.	1.7	64
11	Microplastics aggravate the adverse effects of BDE-47 on physiological and defense performance in mussels. Journal of Hazardous Materials, 2020, 398, 122909.	6.5	64
12	Oxidative stress induced by titanium dioxide nanoparticles increases under seawater acidification in the thick shell mussel Mytilus coruscus. Marine Environmental Research, 2018, 137, 49-59.	1.1	63
13	Immune toxicity of TiO2 under hypoxia in the green-lipped mussel Perna viridis based on flow cytometric analysis of hemocyte parameters. Science of the Total Environment, 2014, 470-471, 791-799.	3.9	62
14	Immune parameter changes of hemocytes in green-lipped mussel Perna viridis exposure to hypoxia and hyposalinity. Aquaculture, 2012, 356-357, 22-29.	1.7	60
15	Combined effects of short-term exposure to elevated CO 2 and decreased O 2 on the physiology and energy budget of the thick shell mussel Mytilus coruscus. Chemosphere, 2016, 155, 207-216.	4.2	59
16	Antioxidant response of the hard shelled mussel Mytilus coruscus exposed to reduced pH and oxygen concentration. Ecotoxicology and Environmental Safety, 2017, 137, 94-102.	2.9	59
17	Characterization of subpopulations and immune-related parameters of hemocytes in the green-lipped mussel Perna viridis. Fish and Shellfish Immunology, 2012, 32, 381-390.	1.6	54
18	Effects of short-term hypoxia and seawater acidification on hemocyte responses of the mussel Mytilus coruscus. Marine Pollution Bulletin, 2016, 108, 46-52.	2.3	54

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19	Summer distribution and abundance of juvenile Chinese horseshoe crabs Tachypleus tridentatus along an intertidal zone in southern China. Aquatic Biology, 2009, 7, 107-112.	0.5	53
20	Combined effects of seawater acidification and high temperature on hemocyte parameters in the thick shell mussel Mytilus coruscus. Fish and Shellfish Immunology, 2016, 56, 554-562.	1.6	53
21	Antioxidant responses of triangle sail mussel Hyriopsis cumingii exposed to harmful algae Microcystis aeruginosa and hypoxia. Chemosphere, 2015, 139, 541-549.	4.2	52
22	Anti-predatory responses of the thick shell mussel Mytilus coruscus exposed to seawater acidification and hypoxia. Marine Environmental Research, 2015, 109, 159-167.	1.1	46
23	Physiological effects of plastic particles on mussels are mediated by food presence. Journal of Hazardous Materials, 2021, 404, 124136.	6.5	46
24	Ocean acidification, hypoxia and warming impair digestive parameters of marine mussels. Chemosphere, 2020, 256, 127096.	4.2	45
25	Oxidative stress induced by nanoplastics in the liver of juvenile large yellow croaker Larimichthys crocea. Marine Pollution Bulletin, 2021, 170, 112661.	2.3	41
26	Effects of seawater pH and temperature on foraging behavior of the Japanese stone crab Charybdis japonica. Marine Pollution Bulletin, 2017, 120, 99-108.	2.3	39
27	Impact of zinc oxide nanoparticles and ocean acidification on antioxidant responses of Mytilus coruscus. Chemosphere, 2018, 196, 182-195.	4.2	39
28	Nano-TiO2 impairs digestive enzyme activities of marine mussels under ocean acidification. Chemosphere, 2019, 237, 124561.	4.2	39
29	Immune responses to combined effect of hypoxia and high temperature in the green-lipped mussel Perna viridis. Marine Pollution Bulletin, 2011, 63, 201-208.	2.3	37
30	Combined effects of ZnO NPs and seawater acidification on the haemocyte parameters of thick shell mussel Mytilus coruscus. Science of the Total Environment, 2018, 624, 820-830.	3.9	35
31	Effects of the timing of initial feeding on growth and survival of spotted mandarin fish Siniperca scherzeri larvae. Journal of Fish Biology, 2009, 75, 1158-1172.	0.7	34
32	Seawater acidification and temperature modulate anti-predator defenses in two co-existing Mytilus species. Marine Pollution Bulletin, 2019, 145, 118-125.	2.3	34
33	Transgenerational effects of short-term exposure to acidification and hypoxia on early developmental traits of the mussel Mytilus edulis. Marine Environmental Research, 2019, 145, 73-80.	1.1	34
34	Antioxidant responses of the mussel Mytilus coruscus co-exposed to ocean acidification, hypoxia and warming. Marine Pollution Bulletin, 2021, 162, 111869.	2.3	34
35	Differential in vivo hemocyte responses to nano titanium dioxide in mussels: Effects of particle size. Aquatic Toxicology, 2019, 212, 28-36.	1.9	33
36	Transpositional feeding rhythm of loach Misgurnus anguillicaudatus from larvae to juveniles and its ontogenesis under artificial rearing conditions. Aquaculture International, 2008, 16, 539-549.	1.1	32

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37	The Effect of Microplastics on the Bioenergetics of the Mussel Mytilus coruscus Assessed by Cellular Energy Allocation Approach. Frontiers in Marine Science, 2021, 8, .	1.2	32
38	Chronic hypoxia and low salinity impair anti-predatory responses of the green-lipped mussel Perna viridis. Marine Environmental Research, 2012, 77, 84-89.	1.1	31
39	Defense Responses to Short-term Hypoxia and Seawater Acidification in the Thick Shell Mussel Mytilus coruscus. Frontiers in Physiology, 2017, 8, 145.	1.3	31
40	Hypoxia aggravates the effects of ocean acidification on the physiological energetics of the blue mussel Mytilus edulis. Marine Pollution Bulletin, 2019, 149, 110538.	2.3	31
41	CO2-induced pH reduction increases physiological toxicity of nano-TiO2 in the mussel Mytilus coruscus. Scientific Reports, 2017, 7, 40015.	1.6	29
42	Elevated pCO2 Affects Feeding Behavior and Acute Physiological Response of the Brown Crab Cancer pagurus. Frontiers in Physiology, 2018, 9, 1164.	1.3	29
43	Short-Term Exposure of Mytilus coruscus to Decreased pH and Salinity Change Impacts Immune Parameters of Their Haemocytes. Frontiers in Physiology, 2018, 9, 166.	1.3	29
44	Microplastics can aggravate the impact of ocean acidification on the health of mussels: Insights from physiological performance, immunity and byssus properties. Environmental Pollution, 2022, 308, 119701.	3.7	27
45	Salinity mediates the toxic effect of nano-TiO2 on the juvenile olive flounder Paralichthys olivaceus. Science of the Total Environment, 2018, 640-641, 726-735.	3.9	25
46	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
47	Effects on growth and survival of loach (Misgurnus anguillicaudatus) larvae when co-fed on live and microparticle diets. Aquaculture Research, 2009, 40, 385-394.	0.9	23
48	Effect of prolonged starvation on body weight and blood-chemistry in two horseshoe crab species: Tachypleus tridentatus and Carcinoscorpius rotundicauda (Chelicerata: Xiphosura). Journal of Experimental Marine Biology and Ecology, 2010, 395, 112-119.	0.7	23
49	Histopathological alterations in triangle sail mussel (Hyriopsis cumingii) exposed to toxic cyanobacteria (Microcystis aeruginosa) under hypoxia. Aquaculture, 2017, 467, 182-189.	1.7	22
50	Synergistic Effects of Nano-ZnO and Low pH of Sea Water on the Physiological Energetics of the Thick Shell Mussel Mytilus coruscus. Frontiers in Physiology, 2018, 9, 757.	1.3	22
51	Effects of the timing of initial feeding on growth and survival of loach (Misgurnus anguillicaudatus) larvae. Aquaculture International, 2010, 18, 135-148.	1.1	21
52	Effects of copper on hemocyte parameters in the estuarine oyster Crassostrea rivularis under low pH conditions. Aquatic Toxicology, 2018, 203, 61-68.	1.9	21
53	Combined effects of toxic Microcystis aeruginosa and hypoxia on the digestive enzyme activities of the triangle sail mussel Hyriopsis cumingii. Aquatic Toxicology, 2019, 212, 241-246.	1.9	21
54	Effects of copper supplement on the immune function and blood-chemistry in adult Chinese horseshoe crab Tachypleus tridentatus. Aquaculture, 2020, 515, 734576.	1.7	21

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55	Effect of starvation on the energy budget of two Asian horseshoe crab species: Tachypleus tridentatus and Carcinoscorpius rotundicauda (Chelicerata: Xiphosura). Marine Biology, 2011, 158, 1591-1600.	0.7	20
56	Population Structure and Growth of Juvenile Horseshoe Crabs Tachypleus tridentatus and Carcinoscorpius rotundicauda (Xiphosura) in Southern China. , 2015, , 167-180.		20
57	Induction of anti-predator responses in the green-lipped mussel Perna viridis under hypoxia. Marine Biology, 2010, 157, 747-754.	0.7	19
58	Nano-ZnO impairs anti-predation capacity of marine mussels under seawater acidification. Journal of Hazardous Materials, 2019, 371, 521-528.	6.5	19
59	Diel-cycling seawater acidification and hypoxia impair the physiological and growth performance of marine mussels. Science of the Total Environment, 2020, 722, 138001.	3.9	19
60	Effects of daphnia (Moina micrura) plus chlorella (Chlorella pyrenoidosa) or microparticle diets on growth and survival of larval loach (Misgurnus anguillicaudatus). Aquaculture International, 2008, 16, 361-368.	1.1	18
61	Modeling trophic structure and energy flows in a typical macrophyte dominated shallow lake using the mass balanced model. Ecological Modelling, 2012, 233, 26-30.	1.2	18
62	Liver Transcriptome and miRNA Analysis of Silver Carp (Hypophthalmichthys molitrix) Intraperitoneally Injected With Microcystin-LR. Frontiers in Physiology, 2018, 9, 381.	1.3	17
63	Classification and characterization of hemocytes from two Asian horseshoe crab species Tachypleus tridentatus and Carcinoscorpius rotundicauda. Scientific Reports, 2019, 9, 7095.	1.6	17
64	Specific dynamic action of mussels exposed to TiO2 nanoparticles and seawater acidification. Chemosphere, 2020, 241, 125104.	4.2	17
65	Microplastics and food shortage impair the byssal attachment of thick-shelled mussel Mytilus coruscus. Marine Environmental Research, 2021, 171, 105455.	1.1	17
66	Impact of Initial Feeding and Molting on Tachypleus tridentatus Gut Microbiota. Current Microbiology, 2020, 77, 2847-2858.	1.0	16
67	Toxic effects of nano-TiO2 in bivalvesâ€”A synthesis of meta-analysis and bibliometric analysis. Journal of Environmental Sciences, 2021, 104, 188-203.	3.2	16
68	Combined Effects of Dissolved Oxygen and Salinity on Growth and Body Composition of Juvenile Green-Lipped MusselPerna viridis. Journal of Shellfish Research, 2011, 30, 851-857.	0.3	15
69	Antipredatory responses of Perna viridis (Linnaeus, 1758) under acute hypoxia and low salinity. Journal of Molluscan Studies, 2013, 79, 42-50.	0.4	15
70	Combined effects of toxic cyanobacteria Microcystis aeruginosa and hypoxia on the physiological responses of triangle sail mussel Hyriopsis cumingii. Journal of Hazardous Materials, 2016, 306, 24-33.	6.5	14
71	Digestible dietary protein and energy requirements of juvenile Asian horseshoe crabs,Tachypleus tridentatusandCarcinoscorpius rotundicauda. Aquaculture Research, 2014, 45, 1621-1633.	0.9	13
72	Comparison of different frozen natural foods on survival and growth of juvenile Chinese horseshoe crabTachypleus tridentatus(Leach, 1819): implications on laboratory culture. Aquaculture Research, 2013, 44, 567-573.	0.9	12

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73	Threatened fishes of the world: Hucho bleekeri Kimura, 1934 (Salmonidae). Environmental Biology of Fishes, 2008, 82, 385-386.	0.4	11
74	Evaluation of rendered animal protein ingredients for replacement of fish meal in practical diets for gibel carp,Carassius auratus gibelio(Bloch). Aquaculture Research, 2008, 39, 1475-1482.	0.9	11
75	Fatty acids from controlled feeding as dietary markers of juvenile Chinese horseshoe crab, Tachypleus tridentatus. Journal of the Marine Biological Association of the United Kingdom, 2019, 99, 421-428.	0.4	11
76	Research Development on Horseshoe Crab: A 30-Year Bibliometric Analysis. Frontiers in Marine Science, 2020, 7, .	1.2	11
77	Antioxidant response of the oyster Crassostrea hongkongensis exposed to diel-cycling hypoxia under different salinities. Marine Environmental Research, 2022, 179, 105705.	1.1	11
78	Gonadal antioxidant responses to seawater acidification and hypoxia in the marine mussel Mytilus coruscus. Environmental Science and Pollution Research, 2021, 28, 53847-53856.	2.7	10
79	Hemocyte Responses of the Oyster Crassostrea hongkongensis Exposed to Diel-Cycling Hypoxia and Salinity Change. Frontiers in Marine Science, 2021, 8, .	1.2	10
80	Effects of Ocean Acidification on Molting, Oxidative Stress, and Gut Microbiota in Juvenile Horseshoe Crab Tachypleus tridentatus. Frontiers in Physiology, 2021, 12, 813582.	1.3	10
81	Ocean acidification but not hypoxia alters the gonad performance in the thick shell mussel Mytilus coruscus. Marine Pollution Bulletin, 2021, 167, 112282.	2.3	9
82	Effects of Microplastics on Immune Responses of the Yellow Catfish Pelteobagrus fulvidraco Under Hypoxia. Frontiers in Physiology, 2021, 12, 753999.	1.3	8
83	Effects of GnRHa (D-Ala6, Pro9-NEt) combined with domperidone on ovulation induction in wild loach Misgurnus anguillicaudatus. Aquaculture, 2009, 291, 136-139.	1.7	7
84	Effects of toxic Microcystis aeruginosa on the silver carp Hypophthalmichtys molitrix revealed by hepatic RNA-seq and miRNA-seq. Scientific Reports, 2017, 7, 10456.	1.6	7
85	Effects of Ocean Acidification, Hypoxia, and Warming on the Gut Microbiota of the Thick Shell Mussel Mytilus coruscus Through 16S rRNA Gene Sequencing. Frontiers in Marine Science, 2021, 8, .	1.2	7
86	Can mussels change phytoplankton community structure and enhance prawn production in semi-enclosed prawn ponds?. Aquaculture Research, 2015, 46, 2559-2564.	0.9	6
87	Combined effects of ocean acidification and hypoxia on the early development of the thick shell mussel Mytilus coruscus. Helgoland Marine Research, 2020, 74, .	1.3	6
88	Enhanced immunity and hemocytes proliferation by three immunostimulants in tri-spine horseshoe crab Tachypleus tridentatus. Fish and Shellfish Immunology, 2021, 115, 112-123.	1.6	5
89	Growth Performance and Feed Utilization of Low-Cost Artificial Feeds for Juvenile Asian Horseshoe Crab Culture. Journal of Shellfish Research, 2018, 37, 581-589.	0.3	4
90	Threatened fishes of the world: Bahaba taipingensis Herre, 1932 (Sciaenidae). Environmental Biology of Fishes, 2009, 85, 335-336.	0.4	3

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91	Do physicochemical variables regulate the distribution of zooplankton communities in reservoirs dominated by filter-feeding carp?. Chinese Journal of Oceanology and Limnology, 2014, 32, 266-277.	0.7	3
92	â€˜Delayedâ€™ interference effects of air exposure on adult Chinese horseshoe crab Tachypleus tridentatus. Aquaculture Research, 2019, 50, 3633-3642.	0.9	3
93	Threatened fishes of the world: Schizothorax taliensis Regan, 1907 (Cyprinidae). Environmental Biology of Fishes, 2009, 86, 29-30.	0.4	2
94	Effects of Gonadal Preoperative Treatment on the Physiological Metabolism of the Pearl Oyster Pinctada martensii: Implications for Pearl Production. Journal of Shellfish Research, 2018, 37, 1051.	0.3	2
95	Threatened fishes of the world: Aphyocypris lini Weitzman and Chan, 1966 (Cyprinidae). Environmental Biology of Fishes, 2009, 86, 525-526.	0.4	1
96	Induced ovulation of yellow catfish (Pelteobagrus fulvidraco) using a combination of a gonadotrop-releasing hormone analogue and domperidone. Aquaculture Research, 2009, 41, 1243.	0.9	1
97	Spirulina platensispowder is an applicable feed additive for Chinese horseshoe crabTachypleus tridentatus. Aquaculture Research, 2021, 52, 2121-2129.	0.9	1
98	Threatened fishes of the world: Psilorhynchus homaloptera Hora & Mukerji, 1935 (Psilorhynchidae). Environmental Biology of Fishes, 2009, 86, 349-350.	0.4	0
99	Effect of Probiotics on Juvenile Tachypleus tridentatus Gut Microbiota. Journal of Ocean University of China, 2022, 21, 564-572.	0.6	0