Baozhong Liu

List of Publications by Year
in descending order

103	2,732	201385	223531
papers	citations	27 h-index	46 g-index

106	106	106	2388
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Early mesodermal development in the patellogastropod Lottia goshimai. Evolutionary Applications, 2023, 16, 250-261.	1.5	2
2	Molluskan Dorsalâ€“Ventral Patterning Relying on BMP2/4 and Chordin Provides Insights into Spiralian Development and Evolution. Molecular Biology and Evolution, 2022, 39, .	3.5	16
3	Changes in gluconeogenesis pathways and key genes associated with mass mortality in the clam Meretrix petechialis upon Vibrio infection. Aquaculture, 2022, 548, 737691.	1.7	2
4	Proteomics reveals the changes in energy metabolism associated with reproduction in the clam Meretrix petechialis. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2022, 41, 100954.	0.4	2
5	Nonmuscle Myosin II is Required for Larval Shell Formation in a Patellogastropod. Frontiers in Cell and Developmental Biology, 2022, 10, 813741.	1.8	1
6	Transcriptomic analysis reveals the immune changes associated with reproduction in the clam Meretrix petechialis. Fish and Shellfish Immunology, 2021, 108, 24-31.	1.6	3
7	Microbial community changes in the digestive tract of the clam Meretrix petechialis in response to Vibrio parahaemolyticus challenge. Journal of Oceanology and Limnology, 2021, 39, 329-339.	0.6	5
8	Lipid metabolism changes in clam Meretrix petechialis in response to Vibrio infection and the identification of Vibrio-resistance markers. Aquaculture, 2021, 539, 736611.	1.7	11
9	CRISPR/Cas9-mediated mutagenesis reveals the roles of calaxin in gastropod larval cilia. Gene, 2021, 787, 145640.	1.0	5
10	Dorsoventral decoupling of Hox gene expression underpins the diversification of molluscs. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 503-512.	3.3	37
11	Heritability of resistance-related gene expression traits and their correlation with body size of clam Meretrix petechialis. Journal of Oceanology and Limnology, 2020, 38, 571-578.	0.6	2
12	TAF5L functions as transcriptional coactivator of MITF involved in the immune response of the clam Meretrix petechialis. Fish and Shellfish Immunology, 2020, 98, 1017-1023.	1.6	7
13	Early shell field morphogenesis of a patellogastropod mollusk predominantly relies on cell movement and F-actin dynamics. BMC Developmental Biology, 2020, 20, 18.	2.1	6
14	Identification of three cell populations from the shell gland of a bivalve mollusc. Development Genes and Evolution, 2020, 230, 39-45.	0.4	8
15	MITF Regulates Downstream Genes in Response to Vibrio parahaemolyticus Infection in the Clam Meretrix Petechialis. Frontiers in Immunology, 2019, 10, 1547.	2.2	12
16	Dynamic immune and metabolism response of clam Meretrix petechialis to Vibrio challenge revealed by a time series of transcriptome analysis. Fish and Shellfish Immunology, 2019, 94, 17-26.	1.6	20
17	p38 MAPK is involved in the immune response to pathogenic Vibrio in the clam Meretrix petechialis. Fish and Shellfish Immunology, 2019, 95, 456-463.	1.6	6
18	Gill symbionts of the cold-seep mussel Bathymodiolus platifrons: Composition, environmental dependency and immune control. Fish and Shellfish Immunology, 2019, 86, 246-252.	1.6	18

#	Article	IF	Citations
19	An investigation of oyster TGF-Î² receptor genes and their potential roles in early molluscan development. Gene, 2018, 663, 65-71.	1.0	13
20	Integrated transcriptomic and proteomic analyses reveal potential mechanisms linking thermal stress and depressed disease resistance in the turbot Scophthalmus maximus. Scientific Reports, 2018, 8, 1896.	1.6	17
21	Integrating the Vibrio-resistance phenotype and gene expression data for discovery of markers used for resistance evaluation in the clam Meretrix petechialis. Aquaculture, 2018, 482, 130-136.	1.7	8
22	Identification of a gene encoding microphthalmia-associated transcription factor and its association with shell color in the clam Meretrix petechialis. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2018, 225, 75-83.	0.7	25
23	Transcriptome profiles of the clam Meretrix petechialis hepatopancreas in response to Vibrio infection. Fish and Shellfish Immunology, 2017, 62, 175-183.	1.6	32
24	Population genetics of the Manila clam (Ruditapes philippinarum) introduced in North America and Europe. Scientific Reports, 2017, 7, 39745.	1.6	62
25	Mining and identification of SNP markers associated with growth traits in the clam Meretrix meretrix. Aquaculture International, 2017, 25, 1185-1196.	1.1	0
26	Scallop genome provides insights into evolution of bilaterian karyotype and development. Nature Ecology and Evolution, 2017, 1, 120.	3.4	353
27	A SoxC gene related to larval shell development and co-expression analysis of different shell formation genes in early larvae of oyster. Development Genes and Evolution, 2017, 227, 181-188.	0.4	10
28	Expression patterns indicate that BMP2/4 and Chordin, not BMP5-8 and Gremlin, mediate dorsalâ€“ventral patterning in the mollusk Crassostrea gigas. Development Genes and Evolution, 2017, 227, 75-84.	0.4	28
29	Identification of an MITF gene and its polymorphisms associated with the Vibrio resistance trait in the clam Meretrix petechialis. Fish and Shellfish Immunology, 2017, 68, 466-473.	1.6	21
30	A comparative proteomic analysis reveals important proteins for the fertilization and early embryonic development of the oyster Crassostrea gigas. Proteomics, 2017, 17, 1600251.	1.3	1
31	Genetic variation in vibrio resistance in the clam Meretrix petechialis under the challenge of Vibrio parahaemolyticus. Aquaculture, 2017, 468, 458-463.	1.7	31
32	The polymorphisms of a MIF gene and their association with Vibrio resistance in the clam Meretrix meretrix. Developmental and Comparative Immunology, 2016, 62, 116-126.	1.0	11
33	Influence of parental sample sizes on the estimating genetic parameters in cultured clam Meretrix meretrix based on factorial mating designs. Acta Oceanologica Sinica, 2016, 35, 42-49.	0.4	2
34	Characterization and expression of a novel caspase gene: Evidence of the expansion of caspases in Crassostrea gigas. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2016, 201, 37-45.	0.7	10
35	Assessment of housekeeping genes as internal references in quantitative expression analysis during early development of oyster. Genes and Genetic Systems, 2016, 91, 257-265.	0.2	20
36	Identification of the MmeHairy gene and expression analysis affected by two SNPs in the 3â€²-untranslated region in the clam Meretrix meretrix. Fish and Shellfish Immunology, 2016, 51, 46-52.	1.6	1

#	Article	IF	Citations
37	The impact of selection on population genetic structure in the clam Meretrix petechialis revealed by microsatellite markers. Genetica, 2016, 144, 1-8.	0.5	19
38	Characterization of a long-chain fatty acid-CoA ligase 1 gene and association between its SNPs and growth traits in the clam Meretrix meretrix. Gene, 2015, 566, 194-200.	1.0	10
39	The sperm proteome of the Pacific oysterCrassostrea gigasand immunolocalization of heat shock proteins. Invertebrate Reproduction and Development, 2015, 59, 111-118.	0.3	4
40	Development of Vibrio spp. infection resistance related SNP markers using multiplex SNaPshot genotyping method in the clam Meretrix meretrix. Fish and Shellfish Immunology, 2015, 43, 469-476.	1.6	25
41	Transcriptome Analysis of Shell Color-Related Genes in the Clam Meretrix meretrix. Marine Biotechnology, 2015, 17, 364-374.	1.1	61
42	Identification of a Serum amyloid A gene and the association of SNPs with Vibrio-resistance and growth traits in the clam Meretrix meretrix. Fish and Shellfish Immunology, 2015, 43, 301-309.	1.6	18
43	A calaxin Gene in the Pacific Oyster Crassostrea gigas and Its Potential Roles in Cilia. Zoological Science, 2015, 32, 419.	0.3	3
44	A GATA2/3 gene potentially involved in larval shell formation of the Pacific oyster Crassostrea gigas. Development Genes and Evolution, 2015, 225, 253-257.	0.4	15
45	The role of Cu/Zn-SOD and Mn-SOD in the immune response to oxidative stress and pathogen challenge in the clam Meretrix meretrix. Fish and Shellfish Immunology, 2015, 42, 58-65.	1.6	102
46	A Label-Free Proteomic Analysis on Competent Larvae and Juveniles of the Pacific Oyster Crassostrea gigas. PLoS ONE, 2015, 10, e0135008.	1.1	20
47	Combining ability and heterosis analysis over two environments in a diallel cross of three families of the clam Meretrix meretrix. Acta Oceanologica Sinica, 2014, 33, 37-42.	0.4	9
48	The involvement of cysteine-rich intestinal protein in early development and innate immunity of Asiatic hard clam, Meretrix meretrix. Fish and Shellfish Immunology, 2014, 40, 435-440.	1.6	2
49	Assessment of parental contribution and effective population size from a 3Ã—3 diallel cross of clam Meretrix meretrix. Chinese Journal of Oceanology and Limnology, 2014, 32, 306-315.	0.7	1
50	Cloning and expression patterns of two Smad genes during embryonic development and shell formation of the Pacific oyster Crassostrea gigas. Chinese Journal of Oceanology and Limnology, 2014, 32, 1224-1231.	0.7	9
51	An EGFR gene of the Pacific oyster Crassostrea gigas functions in wound healing and promotes cell proliferation. Molecular Biology Reports, 2014, 41, 2757-2765.	1.0	11
52	Multiple ferritin subunit genes of the Pacific oyster Crassostrea gigas and their distinct expression patterns during early development. Gene, 2014, 546, 80-88.	1.0	20
53	Identification of a tyrosinase gene potentially involved in early larval shell biogenesis of the Pacific oyster Crassostrea gigas. Development Genes and Evolution, 2013, 223, 389-394.	0.4	47
54	Transcriptional response of lysozyme, metallothionein, and superoxide dismutase to combined exposure to heavy metals and bacteria in Mactra veneriformis. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2013, 157, 54-62.	1.3	18

#	Article	IF	Citations
55	Growth performance of the clam, Meretrix meretrix, breeding-selection populations cultured in different conditions. Acta Oceanologica Sinica, 2013, 32, 82-87.	0.4	1
56	The role of catalase in the immune response to oxidative stress and pathogen challenge in the clam Meretrix meretrix. Fish and Shellfish Immunology, 2013, 34, 91-99.	1.6	59
57	Expression patterns of an i-type lysozyme in the clam Meretrix meretrix along with larval development. Developmental and Comparative Immunology, 2013, 41, 27-32.	1.0	6
58	Three vibrio-resistance related EST-SSR markers revealed by selective genotyping in the clam Meretrix meretrix. Fish and Shellfish Immunology, 2013, 35, 421-428.	1.6	17
59	Three EST-SSR Markers Associated with QTL for the Growth of the Clam Meretrix meretrix Revealed by Selective Genotyping. Marine Biotechnology, 2013, 15, 16-25.	1.1	27
60	Single nucleotide polymorphisms in i-type lysozyme gene and their correlation with vibrio-resistance and growth of clam Meretrix meretrix based on the selected resistance stocks. Fish and Shellfish Immunology, 2012, 33, 559-568.	1.6	33
61	Hatching, growth and hatchling dietary preference in Hemifusus ternatanus (Gmelin, 1791). Aquaculture, 2012, 326-329, 141-147.	1.7	7
62	Identification of differentially expressed proteins involved in the early larval development of the Pacific oyster Crassostrea gigas. Journal of Proteomics, 2012, 75, 3855-3865.	1.2	41
63	Toxic effects of benzo[a]pyrene (Bap) and Aroclor1254 on embryogenesis, larval growth, survival and metamorphosis of the bivalve Meretrix meretrix. Ecotoxicology, 2012, 21, 1617-1624.	1.1	11
64	Tissue-specific response of metallothionein and superoxide dismutase in the clam Mactra veneriformis under sublethal mercury exposure. Ecotoxicology, 2012, 21, 1593-1602.	1.1	16
65	RNAi assay in primary cells: a new method for gene function analysis in marine bivalve. Molecular Biology Reports, 2012, 39, 8209-8216.	1.0	15
66	Microsatellite-based genetic and growth analysis for a diallel mating design of two stocks of the clam, Meretrix meretrix. Aquaculture Research, 2012, 43, 260-270.	0.9	10
67	Genetic diversity of the sulfotransferase-like gene and one nonsynonymous SNP associated with growth traits of clam, Meretrix meretrix. Molecular Biology Reports, 2012, 39, 1323-1331.	1.0	9
68	Identification of a fructose-1,6-bisphosphate aldolase gene and association of the single nucleotide polymorphisms with growth traits in the clam Meretrix meretrix. Molecular Biology Reports, 2012, 39, 5017-5024.	1.0	10
69	Transcriptomic Analysis of the Clam Meretrix meretrix on Different Larval Stages. Marine Biotechnology, 2012, 14, 69-78.	1.1	84
70	The Potential Roles of a Laminin Receptor in Adhesion and Apoptosis of Cells of the Marine Bivalve Meretrix meretrix. PLoS ONE, 2012, 7, e47104.	1.1	7
71	Complete mtDNA of the Meretrix lamarckii (Bivalvia: Veneridae) and molecular identification of suspected M. lamarckii based on the whole mitochondrial genome. Marine Genomics, 2011, 4, 263-271.	0.4	19
72	Introduction of the Peruvian scallop and its hybridization with the bay scallop in China. Aquaculture, 2011, 310, 380-387.	1.7	75

#	Article	IF	Citations
73	An effective method for parentage determination of the clam (Meretrix meretrix) based on SSR and COI markers. Aquaculture, 2011, 318, 223-228.	1.7	13
74	Large scale gene expression profiling during intestine and body wall regeneration in the sea cucumber Apostichopus japonicus. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2011, 6, 195-205.	0.4	85
75	An i-type lysozyme from the Asiatic hard clam Meretrix meretrix potentially functioning in host immunity. Fish and Shellfish Immunology, 2011, 30, 550-558.	1.6	50
76	Cloning and characterization of a hsp70 gene from Asiatic hard clam Meretrix meretrix which is involved in the immune response against bacterial infection. Fish and Shellfish Immunology, 2011, 30, 791-799.	1.6	47
77	Molecular characterization of a glutathione peroxidase gene and its expression in the selected Vibrio-resistant population of the clam Meretrix meretrix. Fish and Shellfish Immunology, 2011, 30, 1294-1302.	1.6	31
78	Comparative proteomic analysis of challenged Zhikong scallop (Chlamys farreri): A new insight into the anti-Vibrio immune response of marine bivalves. Fish and Shellfish Immunology, 2011, 31, 1186-1192.	1.6	23
79	Isolation and characterization of a virulent Vibrio sp. bacterium from clams (Meretrix meretrix) with mass mortality. Journal of Invertebrate Pathology, 2011, 106, 242-249.	1.5	20
80	Mining of EST-SSR markers in clam Meretrix meretrix larvae from 454 shotgun transcriptome. Genes and Genetic Systems, 2011, 86, 197-205.	0.2	25
81	Estimation of genetic parameters for growth traits in cultured clam Meretrix meretrix (Bivalvia:) Tj ETQq1 1 0.784314 rgBT /Overlock	0.9	36
82	Recombinant expression, characterization and expressional analysis of clam Meretrix meretrix cathepsin B, an enzyme involved in nutrient digestion. Molecular Biology Reports, 2011, 38, 1861-1868.	1.0	8
83	Characterization of EST-SSR and genomic-SSR markers in the clam, Meretrix meretrix. Conservation Genetics Resources, 2011, 3, 655-658.	0.4	25
84	Potential role of cathepsin B in the embryonic and larval development of clam Meretrix meretrix. , 2011, 316B, 306-312.		5
85	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
86	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
87	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
88	Metallothionein and superoxide dismutase responses to sublethal cadmium exposure in the clam Mactra veneriformis. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2010, 151, 325-333.	1.3	46
89	Identification and characterization of the pathogenic effect of a Vibrio parahaemolyticus-related bacterium isolated from clam Meretrix meretrix with mass mortality. Journal of Invertebrate Pathology, 2010, 103, 109-115.	1.5	67
90	Physiological and immune responses of zhikong scallop Chlamys farreri to the acute viral necrobiotic virus infection. Fish and Shellfish Immunology, 2010, 29, 42-48.	1.6	31

#	Article	IF	Citations
91	Complete mtDNA of Meretrix lusoria (Bivalvia: Veneridae) reveals the presence of an atp8 gene, length variation and heteroplasmy in the control region. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2010, 5, 256-264.	0.4	18
92	Analysis of metallotionein expression and antioxidant enzyme activities in Meretrix meretrix larvae under sublethal cadmium exposure. Aquatic Toxicology, 2010, 100, 321-328.	1.9	23
93	Toxicity of lead, cadmium and mercury on embryogenesis, survival, growth and metamorphosis of Meretrix meretrix larvae. Ecotoxicology, 2009, 18, 829-837.	1.1	43
94	Cloning, characterization and expression of ferritin subunit from clam Meretrix meretrix in different larval stages. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2009, 154, 12-16.	0.7	33
95	Catecholaminergic responses to environmental stress in the hemolymph of zhikong scallop Chlamys farreri. Journal of Experimental Zoology, 2008, 309A, 289-296.	1.2	35
96	Molecular cloning and functional analysis of cathepsin B in nutrient metabolism during larval development in Meretrix meretrix. Aquaculture, 2008, 282, 41-46.	1.7	24
97	Preliminary Studies on Cryopreservation of Sydney Rock Oyster (Saccostrea glomerata) Larvae. Journal of Shellfish Research, 2008, 27, 1125-1128.	0.3	14
98	Particle-attached and free-living bacterial communities in a contrasting marine environment: Victoria Harbor, Hong Kong. FEMS Microbiology Ecology, 2007, 61, 496-508.	1.3	109
99	The phylogeny of native and exotic scallops cultured in China based on 16S rDNA sequences. Chinese Journal of Oceanology and Limnology, 2007, 25, 85-90.	0.7	4
100	Effects of various algal diets and starvation on larval growth and survival of Meretrix meretrix. Aquaculture, 2006, 254, 526-533.	1.7	81
101	Effect of stocking density on growth, settlement and survival of clam larvae, Meretrix meretrix. Aquaculture, 2006, 258, 344-349.	1.7	103
102	Pharmacological and immunocytochemical investigation of the role of catecholamines on larval metamorphosis by Î²-adrenergic-like receptor in the bivalve Meretrix meretrix. Aquaculture, 2006, 258, 611-618.	1.7	34
103	Molecular Phylogeny and Species Identification of Pufferfish of the Genus Takifugu (Tetraodontiformes, Tetraodontidae). Marine Biotechnology, 2001, 3, 398-406.	1.1	27