Shengming Sun

List of Publications by Year
in descending order

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		257450	315739
67	1,795	24	38
papers	citations	h-index	g-index

67	67	67	1115
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characterization, expression, and function analysis of gonad-inhibiting hormone in Oriental River prawn, Macrobrachium nipponense and its induced expression by temperature. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2015, 185, 1-8.	1.8	92
2	Transciptomic and histological analysis of hepatopancreas, muscle and gill tissues of oriental river prawn (Macrobrachium nipponense) in response to chronic hypoxia. BMC Genomics, 2015, 16, 491.	2.8	86
3	Transcriptome Analysis of Androgenic Gland for Discovery of Novel Genes from the Oriental River Prawn, Macrobrachium nipponense, Using Illumina Hiseq 2000. PLoS ONE, 2013, 8, e76840.	2.5	78
4	Validation and Evaluation of Reference Genes for Quantitative Real-Time PCR in Macrobrachium Nipponense. International Journal of Molecular Sciences, 2018, 19, 2258.	4.1	71
5	Identification of differentially expressed genes in hepatopancreas of oriental river prawn, Macrobrachium nipponense exposed to environmental hypoxia. Gene, 2014, 534, 298-306.	2.2	65
6	Molecular characterization and developmental expression of vitellogenin in the oriental river prawn Macrobrachium nipponense and the effects of RNA interference and eyestalk ablation on ovarian maturation. Gene, 2015, 562, 22-31.	2.2	65
7	Molecular characterization of insulin-like androgenic gland hormone-binding protein gene from the oriental river prawn Macrobrachium nipponense and investigation of its transcriptional relationship with the insulin-like androgenic gland hormone gene. General and Comparative Endocrinology, 2015, 216, 152-160.	1.8	63
8	Cloning of genomic sequences of three crustacean hyperglycemic hormone superfamily genes and elucidation of their roles of regulating insulin-like androgenic gland hormone gene. Gene, 2015, 561, 68-75.	2.2	51
9	Identification and characterization of opsin gene and its role in ovarian maturation in the oriental river prawn Macrobrachium nipponense. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2018, 218, 1-12.	1.6	50
10	Chronic exposure to dietary antibiotics affects intestinal health and antibiotic resistance gene abundance in oriental river prawn (Macrobrachium nipponense), and provokes human health risk. Science of the Total Environment, 2020, 720, 137478.	8.0	48
11	Identification and mRNA expression of antioxidant enzyme genes associated with the oxidative stress response in the Wuchang bream (Megalobrama amblycephala Yih) in response to acute nitrite exposure. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2014, 159, 69-77.	2.6	42
12	Molecular characterization and mRNA expression of hypoxia inducible factor-1 and cognate inhibiting factor in Macrobrachium nipponense in response to hypoxia. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2016, 196-197, 48-56.	1.6	39
13	Molecular cloning, characterization, and expression analysis of p53 from the oriental river prawn, Macrobrachium nipponense, in response to hypoxia. Fish and Shellfish Immunology, 2016, 54, 68-76.	3.6	38
14	Molecular insights into reproduction regulation of female Oriental River prawns Macrobrachium nipponense through comparative transcriptomic analysis. Scientific Reports, 2017, 7, 12161.	3.3	38
15	Nitrite-induced hepatotoxicity in Bluntsnout bream (Megalobrama amblycephala): The mechanistic insight from transcriptome to physiology analysis. Environmental Toxicology and Pharmacology, 2014, 37, 55-65.	4.0	37
16	Molecular and functional characterization of the vitellogenin receptor in oriental river prawn, Macrobrachium nipponense. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2016, 194, 45-55.	1.8	35
17	Integrated metabolomic and transcriptomic analysis of brain energy metabolism in the male Oriental river prawn (Macrobrachium nipponense) in response to hypoxia and reoxygenation. Environmental Pollution, 2018, 243, 1154-1165.	7.5	34
18	Serum biochemistry, liver histology and transcriptome profiling of bighead carp Aristichthys nobilis following different dietary protein levels. Fish and Shellfish Immunology, 2019, 86, 832-839.	3.6	33

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19	Identification and Characterization of the DMRT11E Gene in the Oriental River Prawn Macrobrachium nipponense. International Journal of Molecular Sciences, 2019, 20, 1734.	4.1	32
20	Comparative proteomic study of the response to hypoxia in the muscle of oriental river prawn (Macrobrachium nipponense). Journal of Proteomics, 2016, 138, 115-123.	2.4	31
21	Characterization, expression patterns of molt-inhibiting hormone gene of Macrobrachium nipponense and its roles in molting and growth. PLoS ONE, 2018, 13, e0198861.	2.5	30
22	Role of hypoxia in the behaviour, physiology, immunity and response mechanisms of crustaceans: A review. Reviews in Aquaculture, 2022, 14, 676-687.	9.0	30
23	Based on the Metabolomic Approach the Energy Metabolism Responses of Oriental River Prawn Macrobrachium nipponense Hepatopancreas to Acute Hypoxia and Reoxygenation. Frontiers in Physiology, 2018, 9, 76.	2.8	29
24	Acute effects of ammonia exposure on the plasma and haematological parameters and histological structure of the juvenile blunt snout bream, Megalobrama amblycephala , and post-exposure recovery. Aquaculture Research, 2018, 49, 1008-1019.	1.8	28
25	iTRAQ-based quantitative proteomic analysis of the androgenic glands of the oriental river prawn, Macrobrachium nipponense , during nonreproductive and reproductive seasons. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2018, 26, 50-57.	1.0	27
26	Transcriptome profiling and histology changes in juvenile blunt snout bream (Megalobrama) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 462 T	2.9	27
27	Analysis of testis metabolome and transcriptome from the oriental river prawn (Macrobrachium) Tj ETQq1 1 0.784314 rgBT /Overlock 1 and Physiology Part D: Genomics and Proteomics, 2020, 34, 100662.	1.0	25
28	Molecular cloning of two tropomyosin family genes and expression analysis during development in oriental river prawn, Macrobrachium nipponense. Gene, 2014, 546, 390-397.	2.2	24
29	Hypoxia Induces Changes in AMP-Activated Protein Kinase Activity and Energy Metabolism in Muscle Tissue of the Oriental River Prawn Macrobrachium nipponense. Frontiers in Physiology, 2018, 9, 751.	2.8	24
30	A transcriptome study on Macrobrachium nipponense hepatopancreas experimentally challenged with white spot syndrome virus (WSSV). PLoS ONE, 2018, 13, e0200222.	2.5	24
31	Altered intestinal microbiota induced by chronic hypoxia drives the effects on lipid metabolism and the immune response of oriental river prawn Macrobrachium nipponense. Aquaculture, 2020, 526, 735431.	3.5	24
32	Integrated analysis of microRNA and mRNA expression profiles during the sex-differentiation sensitive period in oriental river prawn, Macrobrachium nipponense. Scientific Reports, 2017, 7, 12011.	3.3	22
33	Polystyrene microplastics induced male reproductive toxicity and transgenerational effects in freshwater prawn. Science of the Total Environment, 2022, 842, 156820.	8.0	21
34	Molecular cloning, characterization and expression analysis of caspase-3 from the oriental river prawn, Macrobrachium nipponense when exposed to acute hypoxia and reoxygenation. Fish and Shellfish Immunology, 2017, 62, 291-302.	3.6	20
35	Effects of cholesterol on growth, feed utilization, body composition and immune parameters in juvenile oriental river prawn,Macrobrachium nipponense(De Haan). Aquaculture Research, 2017, 48, 4262-4271.	1.8	20
36	Molecular cloning, tissue distribution and expression analysis ofÂaÂmanganese superoxide dismutase in blunt snout bream Megalobrama amblycephala. Fish and Shellfish Immunology, 2014, 38, 340-347.	3.6	18

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37	Molecular cloning, immunohistochemical localization, characterization and expression analysis of caspase-8 from the blunt snout bream (Megalobrama amblycephala) exposed to ammonia. Fish and Shellfish Immunology, 2015, 47, 645-654.	3.6	18
38	Molecular Cloning and Functional Characterization of a Hexokinase from the Oriental River Prawn Macrobrachium nipponense in Response to Hypoxia. International Journal of Molecular Sciences, 2017, 18, 1256.	4.1	18
39	Experimental inoculation of oriental river prawn Macrobrachium nipponense with white spot syndrome virus (WSSV). Diseases of Aquatic Organisms, 2017, 126, 125-134.	1.0	18
40	Title is missing!. Turkish Journal of Fisheries and Aquatic Sciences, 2013, 13, .	0.9	17
41	Aquatic hypoxia disturbs oriental river prawn (Macrobrachium nipponense) testicular development: A cross-generational study. Environmental Pollution, 2020, 266, 115093.	7.5	17
42	Identification of differentially expressed genes in hepatopancreas of oriental river prawn, Macrobrachium nipponense exposed to environmental hypoxia. Gene, 2014, 534, 298-306.	2.2	17
43	Identification and comparative analysis of the oriental river prawn (Macrobrachium nipponense) microRNA expression profile during hypoxia using a deep sequencing approach. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2016, 17, 41-47.	1.0	16
44	Dynamic mRNA and miRNA expression analysis in response to hypoxia and reoxygenation in the blunt snout bream (Megalobrama amblycephala). Scientific Reports, 2017, 7, 12846.	3.3	16
45	Evaluating expression of autophagy-related genes in oriental river prawn Macrobrachium nipponense as potential biomarkers for hypoxia exposure. Ecotoxicology and Environmental Safety, 2019, 171, 484-492.	6.0	16
46	Molecular Cloning, Characterization, and Expression of Crustacean Cardioactive Peptide in Oriental River Prawn, <scp>Macrobrachium nipponense</scp>, during Acute Hypoxia and Reoxygenation. Journal of the World Aquaculture Society, 2018, 49, 356-365.	2.4	15
47	Molecular Cloning and Expression Analysis of Lactate Dehydrogenase from the Oriental River Prawn Macrobrachium nipponense in Response to Hypoxia. International Journal of Molecular Sciences, 2018, 19, 1990.	4.1	15
48	Molecular Cloning and Expression of MnGST-1 and MnGST-2 from Oriental River Prawn, Macrobrachium nipponense, in Response to Hypoxia and Reoxygenation. International Journal of Molecular Sciences, 2018, 19, 3102.	4.1	14
49	Identification of Candidate Genes for the Plateau Adaptation of a Tibetan Amphipod, Gammarus lacustris, Through Integration of Genome and Transcriptome Sequencing. Frontiers in Genetics, 2019, 10, 53.	2.3	14
50	Dietary cholesterol-induced transcriptome differences in the intestine, hepatopancreas, and muscle of Oriental River prawn Macrobrachium nipponense. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2017, 23, 39-48.	1.0	13
51	Identification and characterization of a Macrobrachium nipponense ferritin subunit regulated by iron ion and pathogen challenge. Fish and Shellfish Immunology, 2014, 40, 288-295.	3.6	12
52	De novo assembly of the blunt snout bream (Megalobrama amblycephala) gill transcriptome to identify ammonia exposure associated microRNAs and their targets. Results in Immunology, 2016, 6, 21-27.	2.2	12
53	Identifying Neuropeptide and G Protein-Coupled Receptors of Juvenile Oriental River Prawn (Macrobrachium nipponense) in Response to Salinity Acclimation. Frontiers in Endocrinology, 2020, 11, 623.	3.5	12
54	Occurrence of antibiotics and antibiotic resistance genes in cultured prawns from rice-prawn co-culture and prawn monoculture systems in China. Science of the Total Environment, 2022, 806, 150307.	8.0	12

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55	Effects of stocking density on the individual growth and differentiation of the oriental river prawn Macrobrachium nipponense (de Haan, 1849) (Caridea: Palaemonidae). Journal of Crustacean Biology, 2016, 36, 769-775.	0.8	11
56	Molecular cloning, characterization, and temporal expression of the clock genes period and timeless in the oriental river prawn Macrobrachium nipponense during female reproductive development. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2017, 207, 43-51.	1.8	11
57	Molecular cloning, mRNA expression and characterization of membrane-bound hemoglobin in oriental river prawn Macrobrachium nipponense. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2017, 207, 36-42.	1.8	11
58	Effects of dietary linolenic acid on growth, fatty acid composition, immune function and antioxidant status of juvenile blunt snout bream,Megalobrama amblycephala. Aquaculture Research, 2017, 48, 5430-5438.	1.8	11
59	Identification of neuropeptides from eyestalk transcriptome profiling analysis of female oriental river prawn (Macrobrachium nipponense) under hypoxia and reoxygenation conditions. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2020, 241, 110392.	1.6	11
60	Effects of dietary lipid sources on growth performance, fatty acid composition and hepatic lipid metabolism of juvenile blunt snout bream, Megalobrama amblycephala. Aquaculture Nutrition, 2018, 24, 1652-1663.	2.7	10
61	Molecular cloning, expression pattern analysis, and in situ hybridization of a Transformer-2 gene in the oriental freshwater prawn, Macrobrachium nipponense (de Haan, 1849). 3 Biotech, 2019, 9, 205.	2.2	9
62	Comparative Phosphoproteomics Reveals a Role for AMPK in Hypoxia Signaling in Testes of Oriental River Prawn (Macrobrachium nipponense). Journal of Proteome Research, 2021, 20, 2923-2934.	3.7	9
63	Molecular characterization and gene expression of ferritin in blunt snout bream (Megalobrama) Tj ETQq1 1 0.784314 rgBT /Overlock	3.6	8
64	Identification and Characterization of Four Autophagy-Related Genes That Are Expressed in Response to Hypoxia in the Brain of the Oriental River Prawn (Macrobrachium nipponense). International Journal of Molecular Sciences, 2019, 20, 1856.	4.1	8
65	Molecular cloning, expression, and in situ hybridization analysis of MnGPx-3 and MnGPx-4 from oriental river prawn, Macrobrachium nipponense, in response to hypoxia and reoxygenation. PLoS ONE, 2020, 15, e0229171.	2.5	2
66	InÂvivo visualization assay to evaluate the effects of maternal exposure to mercury on offspring bioaccumulation in the oriental river prawn (Macrobrachium nipponense). Chemosphere, 2021, 270, 129440.	8.2	1
67	Salinity acclimation alters acid and alkaline phosphatase expression and histological changes in the hepatopancreas of the oriental river prawn Macrobrachium nipponense (De Haan, 1849) (Decapoda:) Tj ETQq1 1 0.784314 rgBT /Ove	2.8	0