Xiaojun Zhang

List of Publications by Year
in descending order

63	2,135	236612	253896
papers	citations	25 h-index	43 g-index

65	65	65	1651
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The immune function of a NLR like gene, LvNLRPL1, in the Pacific whiteleg shrimp Litopenaeus vannamei. Developmental and Comparative Immunology, 2022, 128, 104311.	1.0	4
2	The Role of Insulin-like Peptide in Maintaining Hemolymph Glucose Homeostasis in the Pacific White Shrimp Litopenaeus vannamei. International Journal of Molecular Sciences, 2022, 23, 3268.	1.8	7
3	A newly identified NLR-like gene participates in bacteria and virus infection possibly through regulating hemocytes apoptosis in shrimp. Developmental and Comparative Immunology, 2022, 132, 104395.	1.0	5
4	Genome of a giant isopod, Bathynomus jamesi, provides insights into body size evolution and adaptation to deep-sea environment. BMC Biology, 2022, 20, 113.	1.7	5
5	Comparative transcriptomic analysis unveils a network of energy reallocation in Litopenaeus vannamei responsive to heat-stress. Ecotoxicology and Environmental Safety, 2022, 238, 113600.	2.9	10
6	Simple sequence repeats drive genome plasticity and promote adaptive evolution in penaeid shrimp. Communications Biology, 2021, 4, 186.	2.0	37
7	Chitin Synthesis and Degradation in Crustaceans: A Genomic View and Application. Marine Drugs, 2021, 19, 153.	2.2	40
8	Identification of Growth-Associated Genes by Genome-Wide Association Study and Their Potential Application in the Breeding of Pacific White Shrimp (Litopenaeus vannamei). Frontiers in Genetics, 2021, 12, 611570.	1.1	12
9	Transcriptome Analysis Provides Insights into the Mechanism of Astaxanthin Enrichment in a Mutant of the Ridgetail White Prawn Exopalaemon carinicauda. Genes, 2021, 12, 618.	1.0	8
10	The Chinese mitten crab genome provides insights into adaptive plasticity and developmental regulation. Nature Communications, 2021, 12, 2395.	5.8	38
11	Genome Sequencing and Assembly Strategies and a Comparative Analysis of the Genomic Characteristics in Penaeid Shrimp Species. Frontiers in Genetics, 2021, 12, 658619.	1.1	14
12	Glycogen Synthase Kinase 3 Gene Is Important in Growth and Molting of the Pacific White Shrimp Litopenaeus vannamei. Frontiers in Marine Science, 2021, 8, .	1.2	4
13	Clustering genomic organization of sea cucumber miRNAs impacts their evolution and expression. Genomics, 2021, 113, 3544-3555.	1.3	3
14	Characterization and Expression Analysis of Insulin Growth Factor Binding Proteins (IGFBPs) in Pacific White Shrimp Litopenaeus vannamei. International Journal of Molecular Sciences, 2021, 22, 1056.	1.8	5
15	tRNA copy number and codon usage in the sea cucumber genome provide insights into adaptive translation for saponin biosynthesis. Open Biology, 2021, 11, 210190.	1.5	4
16	CRISPR/Cas9-mediated mutation reveals Pax6 is essential for development of the compound eye in Decapoda Exopalaemon carinicauda. Developmental Biology, 2020, 465, 157-167.	0.9	11
17	Characterization and Function Analysis of the Beta-Carotene Oxygenase-like Genes in Carotenoids Metabolism of the Ridgetail White Prawn Exopalaemon carinicauda. Frontiers in Physiology, 2020, 11, 745.	1.3	7
18	Molecular and Functional Diversity of Crustin-Like Genes in the Shrimp Litopenaeus vannamei. Marine Drugs, 2020, 18, 361.	2.2	22

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19	Characterization of a gill-abundant crustin with microbiota modulating function in Litopenaeus vannamei. Fish and Shellfish Immunology, 2020, 105, 393-404.	1.6	15
20	Genomic Characterization and Expression of Juvenile Hormone Esterase-Like Carboxylesterase Genes in Pacific White Shrimp, Litopenaeus vannamei. International Journal of Molecular Sciences, 2020, 21, 5444.	1.8	6
21	Adaptation and molecular evidence for convergence in decapod crustaceans from deepâ€sea hydrothermal vent environments. Molecular Ecology, 2020, 29, 3954-3969.	2.0	13
22	Development of high throughput SNP genotyping approach using target sequencing in Pacific white shrimp and its application for genetic study. Aquaculture, 2020, 528, 735549.	1.7	9
23	The Polymorphism of LvMMD2 and Its Association with Growth Traits in Litopenaeus vannamei. Marine Biotechnology, 2020, 22, 564-571.	1.1	12
24	Isolation and transcriptome analysis of three subpopulations of shrimp hemocytes reveals the underlying mechanism of their immune functions. Developmental and Comparative Immunology, 2020, 108, 103689.	1.0	31
25	Sex-Specific Transcriptome Sequencing of Zoea I Larvae and Identification of Sex-Linked Genes Using Bulked Segregant Analysis in Pacific White Shrimp Litopenaeus vannamei. Marine Biotechnology, 2020, 22, 423-432.	1.1	22
26	Comparative study on nutrient composition and quality evaluation in a new variety and wildâ€typed ridgetail white prawn (Exopalaemon carinicauda). Aquaculture Research, 2019, 50, 3223-3230.	0.9	4
27	Identification of Single Nucleotide Polymorphisms Related to the Resistance Against Acute Hepatopancreatic Necrosis Disease in the Pacific White Shrimp Litopenaeus vannamei by Target Sequencing Approach. Frontiers in Genetics, 2019, 10, 700.	1.1	16
28	Genome-Wide Analysis of Alternative Splicing Provides Insights Into Stress Response of the Pacific White Shrimp Litopenaeus vanname. Frontiers in Genetics, 2019, 10, 845.	1.1	30
29	Penaeid shrimp genome provides insights into benthic adaptation and frequent molting. Nature Communications, 2019, 10, 356.	5.8	328
30	Genome-Wide Identification and Expression Profiles of Myosin Genes in the Pacific White Shrimp, Litopenaeus vannamei. Frontiers in Physiology, 2019, 10, 610.	1.3	9
31	A Novel Candidate Gene Associated With Body Weight in the Pacific White Shrimp Litopenaeus vannamei. Frontiers in Genetics, 2019, 10, 520.	1.1	18
32	Genome Scan for Genomic Regions and Genes Associated with Growth Trait in Pacific White Shrimp Litopeneaus vannamei. Marine Biotechnology, 2019, 21, 374-383.	1.1	35
33	Wnt Signaling Pathway Linked to Intestinal Regeneration via Evolutionary Patterns and Gene Expression in the Sea Cucumber Apostichopus japonicus. Frontiers in Genetics, 2019, 10, 112.	1.1	27
34	Identification and characterization of two novel vascular endothelial growth factor genes in Litopenaeus vannamei. Fish and Shellfish Immunology, 2019, 84, 259-268.	1.6	10
35	Genomic resources and comparative analyses of two economical penaeid shrimp species, Marsupenaeus japonicus and Penaeus monodon. Marine Genomics, 2018, 39, 22-25.	0.4	57
36	Wnt gene family members and their expression profiling in Litopenaeus vannamei. Fish and Shellfish Immunology, 2018, 77, 233-243.	1.6	36

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37	Actin genes and their expression in pacific white shrimp, Litopenaeus vannamei. Molecular Genetics and Genomics, 2018, 293, 479-493.	1.0	12
38	Neuroanatomy and morphological diversity of brain cells from adult crayfish Cherax quadricarinatus. Journal of Oceanology and Limnology, 2018, 36, 2368-2378.	0.6	0
39	Gene set based association analyses for the WSSV resistance of Pacific white shrimp Litopenaeus vannamei. Scientific Reports, 2017, 7, 40549.	1.6	33
40	Convergent Evolution of the Osmoregulation System in Decapod Shrimps. Marine Biotechnology, 2017, 19, 76-88.	1.1	13
41	Transcriptome analysis on the exoskeleton formation in early developmetal stages and reconstruction scenario in growth-moulting in Litopenaeus vannamei. Scientific Reports, 2017, 7, 1098.	1.6	33
42	Identification of Sex-determining Loci in Pacific White Shrimp Litopeneaus vannamei Using Linkage and Association Analysis. Marine Biotechnology, 2017, 19, 277-286.	1.1	60
43	Peritrophin-like protein from Litopenaeus vannamei (LvPT) involved in white spot syndrome virus (WSSV) infection in digestive tract challenged with reverse gavage. Chinese Journal of Oceanology and Limnology, 2017, 35, 1524-1530.	0.7	6
44	Effects of marker density and population structure on the genomic prediction accuracy for growth trait in Pacific white shrimp Litopenaeus vannamei. BMC Genetics, 2017, 18, 45.	2.7	82
45	Predictive ability of genomic selection models for breeding value estimation on growth traits of Pacific white shrimp Litopenaeus vannamei. Chinese Journal of Oceanology and Limnology, 2017, 35, 1221-1229.	0.7	32
46	Genome Sequences of Marine Shrimp Exopalaemon carinicauda Holthuis Provide Insights into Genome Size Evolution of Caridea. Marine Drugs, 2017, 15, 213.	2.2	52
47	The sea cucumber genome provides insights into morphological evolution and visceral regeneration. PLoS Biology, 2017, 15, e2003790.	2.6	202
48	Differentially proteomic analysis of the Chinese shrimp at WSSV latent and acute infection stages by iTRAQ approach. Fish and Shellfish Immunology, 2016, 54, 629-638.	1.6	30
49	Virus-derived small RNAs in the penaeid shrimp Fenneropenaeus chinensis during acute infection of the DNA virus WSSV. Scientific Reports, 2016, 6, 28678.	1.6	25
50	Genome survey and high-density genetic map construction provide genomic and genetic resources for the Pacific White Shrimp Litopenaeus vannamei. Scientific Reports, 2015, 5, 15612.	1.6	142
51	Envelope Proteins of White Spot Syndrome Virus (WSSV) Interact with Litopenaeus vannamei Peritrophin-Like Protein (LvPT). PLoS ONE, 2015, 10, e0144922.	1.1	33
52	Molecular markers for identifying a new selected variety of Pacific white shrimp Litopenaeus vannamei. Chinese Journal of Oceanology and Limnology, 2015, 33, 1-10.	0.7	14
53	Whole Transcriptome Analysis Provides Insights into Molecular Mechanisms for Molting in Litopenaeus vannamei. PLoS ONE, 2015, 10, e0144350.	1.1	86
54	Comparative Transcriptomic Characterization of the Early Development in Pacific White Shrimp Litopenaeus vannamei. PLoS ONE, 2014, 9, e106201.	1.1	114

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55	A new ALF from Litopenaeus vannamei and its SNPs related to WSSV resistance. Chinese Journal of Oceanology and Limnology, 2014, 32, 1232-1247.	0.7	15
56	SNP Discovery in the Transcriptome of White Pacific Shrimp Litopenaeus vannamei by Next Generation Sequencing. PLoS ONE, 2014, 9, e87218.	1.1	66
57	Modification of a synthetic LPS-binding domain of anti-lipopolysaccharide factor from shrimp reveals strong structure-activity relationship in their antimicrobial characteristics. Developmental and Comparative Immunology, 2014, 45, 227-232.	1.0	33
58	RNA-Seq reveals the dynamic and diverse features of digestive enzymes during early development of Pacific white shrimp Litopenaeus vannamei. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2014, 11, 37-44.	0.4	26
59	A new anti-lipopolysaccharide factor (ALF) gene with its SNP polymorphisms related to WSSV-resistance of Litopenaeus vannamei. Fish and Shellfish Immunology, 2014, 39, 24-33.	1.6	44
60	BAC end sequencing of Pacific white shrimp Litopenaeus vannamei: a glimpse into the genome of Penaeid shrimp. Chinese Journal of Oceanology and Limnology, 2012, 30, 456-470.	0.7	14
61	Identification of a novel C-type lectin from the shrimp Litopenaeus vannamei and its role in defense against pathogens infection. Chinese Journal of Oceanology and Limnology, 2011, 29, 942-951.	0.7	18
62	A BAC-Based Physical Map of Zhikong Scallop (Chlamys farreri Jones et Preston). PLoS ONE, 2011, 6, e27612.	1.1	29
63	Chromosomal localization of 5S rDNA in Chinese shrimp (Fenneropenaeus chinensis): a chromosome-specific marker for chromosome identification. Chinese Journal of Oceanology and Limnology, 2010, 28, 233-238.	0.7	5