

Xiaojun Zhang

List of Publications by Year in descending order

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63
papers

2,135
citations

236925

25
h-index

254184

43
g-index

65
all docs

65
docs citations

65
times ranked

1651
citing authors

#	ARTICLE	IF	CITATIONS
1	Penaeid shrimp genome provides insights into benthic adaptation and frequent molting. <i>Nature Communications</i> , 2019, 10, 356.	12.8	328
2	The sea cucumber genome provides insights into morphological evolution and visceral regeneration. <i>PLoS Biology</i> , 2017, 15, e2003790.	5.6	202
3	Genome survey and high-density genetic map construction provide genomic and genetic resources for the Pacific White Shrimp <i>Litopenaeus vannamei</i> . <i>Scientific Reports</i> , 2015, 5, 15612.	3.3	142
4	Comparative Transcriptomic Characterization of the Early Development in Pacific White Shrimp <i>Litopenaeus vannamei</i> . <i>PLoS ONE</i> , 2014, 9, e106201.	2.5	114
5	Whole Transcriptome Analysis Provides Insights into Molecular Mechanisms for Molting in <i>Litopenaeus vannamei</i> . <i>PLoS ONE</i> , 2015, 10, e0144350.	2.5	86
6	Effects of marker density and population structure on the genomic prediction accuracy for growth trait in Pacific white shrimp <i>Litopenaeus vannamei</i> . <i>BMC Genetics</i> , 2017, 18, 45.	2.7	82
7	SNP Discovery in the Transcriptome of White Pacific Shrimp <i>Litopenaeus vannamei</i> by Next Generation Sequencing. <i>PLoS ONE</i> , 2014, 9, e87218.	2.5	66
8	Identification of Sex-determining Loci in Pacific White Shrimp <i>Litopenaeus vannamei</i> Using Linkage and Association Analysis. <i>Marine Biotechnology</i> , 2017, 19, 277-286.	2.4	60
9	Genomic resources and comparative analyses of two economical penaeid shrimp species, <i>Marsupenaeus japonicus</i> and <i>Penaeus monodon</i> . <i>Marine Genomics</i> , 2018, 39, 22-25.	1.1	57
10	Genome Sequences of Marine Shrimp <i>Exopalaemon carinicauda</i> Holthuis Provide Insights into Genome Size Evolution of Caridea. <i>Marine Drugs</i> , 2017, 15, 213.	4.6	52
11	A new anti-lipopolysaccharide factor (ALF) gene with its SNP polymorphisms related to WSSV-resistance of <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2014, 39, 24-33.	3.6	44
12	Chitin Synthesis and Degradation in Crustaceans: A Genomic View and Application. <i>Marine Drugs</i> , 2021, 19, 153.	4.6	40
13	The Chinese mitten crab genome provides insights into adaptive plasticity and developmental regulation. <i>Nature Communications</i> , 2021, 12, 2395.	12.8	38
14	Simple sequence repeats drive genome plasticity and promote adaptive evolution in penaeid shrimp. <i>Communications Biology</i> , 2021, 4, 186.	4.4	37
15	Wnt gene family members and their expression profiling in <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2018, 77, 233-243.	3.6	36
16	Genome Scan for Genomic Regions and Genes Associated with Growth Trait in Pacific White Shrimp <i>Litopenaeus vannamei</i> . <i>Marine Biotechnology</i> , 2019, 21, 374-383.	2.4	35
17	Modification of a synthetic LPS-binding domain of anti-lipopolysaccharide factor from shrimp reveals strong structure-activity relationship in their antimicrobial characteristics. <i>Developmental and Comparative Immunology</i> , 2014, 45, 227-232.	2.3	33
18	Envelope Proteins of White Spot Syndrome Virus (WSSV) Interact with <i>Litopenaeus vannamei</i> Peritrophin-Like Protein (LvPT). <i>PLoS ONE</i> , 2015, 10, e0144922.	2.5	33

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19	Gene set based association analyses for the WSSV resistance of Pacific white shrimp <i>Litopenaeus vannamei</i> . <i>Scientific Reports</i> , 2017, 7, 40549.	3.3	33
20	Transcriptome analysis on the exoskeleton formation in early developmental stages and reconstruction scenario in growth-moulting in <i>Litopenaeus vannamei</i> . <i>Scientific Reports</i> , 2017, 7, 1098.	3.3	33
21	Predictive ability of genomic selection models for breeding value estimation on growth traits of Pacific white shrimp <i>Litopenaeus vannamei</i> . <i>Chinese Journal of Oceanology and Limnology</i> , 2017, 35, 1221-1229.	0.7	32
22	Isolation and transcriptome analysis of three subpopulations of shrimp hemocytes reveals the underlying mechanism of their immune functions. <i>Developmental and Comparative Immunology</i> , 2020, 108, 103689.	2.3	31
23	Differentially proteomic analysis of the Chinese shrimp at WSSV latent and acute infection stages by iTRAQ approach. <i>Fish and Shellfish Immunology</i> , 2016, 54, 629-638.	3.6	30
24	Genome-Wide Analysis of Alternative Splicing Provides Insights Into Stress Response of the Pacific White Shrimp <i>Litopenaeus vannamei</i> . <i>Frontiers in Genetics</i> , 2019, 10, 845.	2.3	30
25	A BAC-Based Physical Map of Zhikong Scallop (<i>Chlamys farreri</i> Jones et Preston). <i>PLoS ONE</i> , 2011, 6, e27612.	2.5	29
26	Wnt Signaling Pathway Linked to Intestinal Regeneration via Evolutionary Patterns and Gene Expression in the Sea Cucumber <i>Apostichopus japonicus</i> . <i>Frontiers in Genetics</i> , 2019, 10, 112.	2.3	27
27	RNA-Seq reveals the dynamic and diverse features of digestive enzymes during early development of Pacific white shrimp <i>Litopenaeus vannamei</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2014, 11, 37-44.	1.0	26
28	Virus-derived small RNAs in the penaeid shrimp <i>Fenneropenaeus chinensis</i> during acute infection of the DNA virus WSSV. <i>Scientific Reports</i> , 2016, 6, 28678.	3.3	25
29	Molecular and Functional Diversity of Crustin-Like Genes in the Shrimp <i>Litopenaeus vannamei</i> . <i>Marine Drugs</i> , 2020, 18, 361.	4.6	22
30	Sex-Specific Transcriptome Sequencing of Zoea I Larvae and Identification of Sex-Linked Genes Using Bulk Segregant Analysis in Pacific White Shrimp <i>Litopenaeus vannamei</i> . <i>Marine Biotechnology</i> , 2020, 22, 423-432.	2.4	22
31	Identification of a novel C-type lectin from the shrimp <i>Litopenaeus vannamei</i> and its role in defense against pathogens infection. <i>Chinese Journal of Oceanology and Limnology</i> , 2011, 29, 942-951.	0.7	18
32	A Novel Candidate Gene Associated With Body Weight in the Pacific White Shrimp <i>Litopenaeus vannamei</i> . <i>Frontiers in Genetics</i> , 2019, 10, 520.	2.3	18
33	Identification of Single Nucleotide Polymorphisms Related to the Resistance Against Acute Hepatopancreatic Necrosis Disease in the Pacific White Shrimp <i>Litopenaeus vannamei</i> by Target Sequencing Approach. <i>Frontiers in Genetics</i> , 2019, 10, 700.	2.3	16
34	A new ALF from <i>Litopenaeus vannamei</i> and its SNPs related to WSSV resistance. <i>Chinese Journal of Oceanology and Limnology</i> , 2014, 32, 1232-1247.	0.7	15
35	Characterization of a gill-abundant crustin with microbiota modulating function in <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2020, 105, 393-404.	3.6	15
36	BAC end sequencing of Pacific white shrimp <i>Litopenaeus vannamei</i> : a glimpse into the genome of Penaeid shrimp. <i>Chinese Journal of Oceanology and Limnology</i> , 2012, 30, 456-470.	0.7	14

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37	Molecular markers for identifying a new selected variety of Pacific white shrimp <i>Litopenaeus vannamei</i> . <i>Chinese Journal of Oceanology and Limnology</i> , 2015, 33, 1-10.	0.7	14
38	Genome Sequencing and Assembly Strategies and a Comparative Analysis of the Genomic Characteristics in Penaeid Shrimp Species. <i>Frontiers in Genetics</i> , 2021, 12, 658619.	2.3	14
39	Convergent Evolution of the Osmoregulation System in Decapod Shrimps. <i>Marine Biotechnology</i> , 2017, 19, 76-88.	2.4	13
40	Adaptation and molecular evidence for convergence in decapod crustaceans from deep-sea hydrothermal vent environments. <i>Molecular Ecology</i> , 2020, 29, 3954-3969.	3.9	13
41	Actin genes and their expression in pacific white shrimp, <i>Litopenaeus vannamei</i> . <i>Molecular Genetics and Genomics</i> , 2018, 293, 479-493.	2.1	12
42	The Polymorphism of LvMMD2 and Its Association with Growth Traits in <i>Litopenaeus vannamei</i> . <i>Marine Biotechnology</i> , 2020, 22, 564-571.	2.4	12
43	Identification of Growth-Associated Genes by Genome-Wide Association Study and Their Potential Application in the Breeding of Pacific White Shrimp (<i>Litopenaeus vannamei</i>). <i>Frontiers in Genetics</i> , 2021, 12, 611570.	2.3	12
44	CRISPR/Cas9-mediated mutation reveals Pax6 is essential for development of the compound eye in Decapoda <i>Exopalaemon carinicauda</i> . <i>Developmental Biology</i> , 2020, 465, 157-167.	2.0	11
45	Identification and characterization of two novel vascular endothelial growth factor genes in <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2019, 84, 259-268.	3.6	10
46	Comparative transcriptomic analysis unveils a network of energy reallocation in <i>Litopenaeus vannamei</i> responsive to heat-stress. <i>Ecotoxicology and Environmental Safety</i> , 2022, 238, 113600.	6.0	10
47	Genome-Wide Identification and Expression Profiles of Myosin Genes in the Pacific White Shrimp, <i>Litopenaeus vannamei</i> . <i>Frontiers in Physiology</i> , 2019, 10, 610.	2.8	9
48	Development of high throughput SNP genotyping approach using target sequencing in Pacific white shrimp and its application for genetic study. <i>Aquaculture</i> , 2020, 528, 735549.	3.5	9
49	Transcriptome Analysis Provides Insights into the Mechanism of Astaxanthin Enrichment in a Mutant of the Ridgetail White Prawn <i>Exopalaemon carinicauda</i> . <i>Genes</i> , 2021, 12, 618.	2.4	8
50	Characterization and Function Analysis of the Beta-Carotene Oxygenase-like Genes in Carotenoids Metabolism of the Ridgetail White Prawn <i>Exopalaemon carinicauda</i> . <i>Frontiers in Physiology</i> , 2020, 11, 745.	2.8	7
51	The Role of Insulin-like Peptide in Maintaining Hemolymph Glucose Homeostasis in the Pacific White Shrimp <i>Litopenaeus vannamei</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 3268.	4.1	7
52	Peritrophin-like protein from <i>Litopenaeus vannamei</i> (LvPT) involved in white spot syndrome virus (WSSV) infection in digestive tract challenged with reverse gavage. <i>Chinese Journal of Oceanology and Limnology</i> , 2017, 35, 1524-1530.	0.7	6
53	Genomic Characterization and Expression of Juvenile Hormone Esterase-Like Carboxylesterase Genes in Pacific White Shrimp, <i>Litopenaeus vannamei</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 5444.	4.1	6
54	Chromosomal localization of 5S rDNA in Chinese shrimp (<i>Fenneropenaeus chinensis</i>): a chromosome-specific marker for chromosome identification. <i>Chinese Journal of Oceanology and Limnology</i> , 2010, 28, 233-238.	0.7	5

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55	Characterization and Expression Analysis of Insulin Growth Factor Binding Proteins (IGFBPs) in Pacific White Shrimp <i>Litopenaeus vannamei</i> . International Journal of Molecular Sciences, 2021, 22, 1056.	4.1	5
56	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.	2.3	5
57	Genome of a giant isopod, <i>Bathynomus jamesi</i> , provides insights into body size evolution and adaptation to deep-sea environment. BMC Biology, 2022, 20, 113.	3.8	5
58	Comparative study on nutrient composition and quality evaluation in a new variety and wild-typed ridgetail white prawn (<i>Exopalaemon carinicauda</i>). Aquaculture Research, 2019, 50, 3223-3230.	1.8	4
59	Glycogen Synthase Kinase 3 Gene Is Important in Growth and Molting of the Pacific White Shrimp <i>Litopenaeus vannamei</i> . Frontiers in Marine Science, 2021, 8, .	2.5	4
60	The immune function of a NLR like gene, <i>LvNLRPL1</i> , in the Pacific whiteleg shrimp <i>Litopenaeus vannamei</i> . Developmental and Comparative Immunology, 2022, 128, 104311.	2.3	4
61	tRNA copy number and codon usage in the sea cucumber genome provide insights into adaptive translation for saponin biosynthesis. Open Biology, 2021, 11, 210190.	3.6	4
62	Clustering genomic organization of sea cucumber miRNAs impacts their evolution and expression. Genomics, 2021, 113, 3544-3555.	2.9	3
63	Neuroanatomy and morphological diversity of brain cells from adult crayfish <i>Cherax quadricarinatus</i> . Journal of Oceanology and Limnology, 2018, 36, 2368-2378.	1.3	0