Jiquan Zhang

List of Publications by Year
in descending order

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		394421	315739
51	1,576	19	38
papers	citations	h-index	g-index

51	51	51	1415
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Penaeid shrimp genome provides insights into benthic adaptation and frequent molting. Nature Communications, 2019, 10, 356.	12.8	328
2	The sea cucumber genome provides insights into morphological evolution and visceral regeneration. PLoS Biology, 2017, 15, e2003790.	5.6	202
3	A Toll receptor from Chinese shrimp Fenneropenaeus chinensis is responsive to Vibrio anguillarum infection. Fish and Shellfish Immunology, 2008, 24, 564-574.	3.6	162
4	Cloning, expression and identification of ferritin from Chinese shrimp, Fenneropenaeus chinensis. Journal of Biotechnology, 2006, 125, 173-184.	3.8	75
5	Molecular cloning, expression of a peroxiredoxin gene in Chinese shrimp Fenneropenaeus chinensis and the antioxidant activity of its recombinant protein. Molecular Immunology, 2007, 44, 3501-3509.	2.2	67
6	Molecular characterization and effect of RNA interference of retinoid X receptor (RXR) on E75 and chitinase gene expression in Chinese shrimp Fenneropenaeus chinensis. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2009, 153, 121-129.	1.6	59
7	Identification of a novel inducible cytosolic Hsp70 gene in Chinese shrimp Fenneropenaeus chinensis and comparison of its expression with the cognate Hsc70 under different stresses. Cell Stress and Chaperones, 2010, 15, 83-93.	2.9	57
8	CRISPR/Cas9-Mediated Genome Editing and Mutagenesis of EcChi4 in Exopalaemon carinicauda. G3: Genes, Genomes, Genetics, 2016, 6, 3757-3764.	1.8	54
9	Purification and Characterization of Two Types of Chitosanase from a Microbacterium sp.. Biotechnology Letters, 2006, 28, 1393-1399.	2.2	35
10	Heat Shock Protein 40 (HSP40) in Pacific White Shrimp (Litopenaeus vannamei): Molecular Cloning, Tissue Distribution and Ontogeny, Response to Temperature, Acidity/Alkalinity and Salinity Stresses, and Potential Role in Ovarian Development. Frontiers in Physiology, 2018, 9, 1784.	2.8	34
11	Envelope Proteins of White Spot Syndrome Virus (WSSV) Interact with Litopenaeus vannamei Peritrophin-Like Protein (LvPT). PLoS ONE, 2015, 10, e0144922.	2.5	33
12	Molecular characterization of an ecdysone inducible gene E75 of Chinese shrimp Fenneropenaeus chinensis and elucidation of its role in molting by RNA interference. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2010, 156, 149-157.	1.6	28
13	Statistical optimization for production of chitin deacetylase from Rhodococcus erythropolis HG05. Carbohydrate Polymers, 2014, 102, 649-652.	10.2	27
14	Preparation of d-glucosamine by hydrolysis of chitosan with chitosanase and Î²-d-glucosaminidase. International Journal of Biological Macromolecules, 2013, 61, 160-163.	7.5	26
15	Purification and Characterization of Chitinases from Ridgetail White Prawn Exopalaemon carinicauda. Molecules, 2015, 20, 1955-1967.	3.8	26
16	Expression, purification, and characterization of recombinant Chinese shrimp crustin-like protein (CruFc) in Pichia pastoris. Biotechnology Letters, 2007, 29, 813-817.	2.2	24
17	Molecular characterization and expression analysis of chitinase (Fcchi-3) from Chinese shrimp, Fenneropenaeus chinensis. Molecular Biology Reports, 2010, 37, 1913-1921.	2.3	23
18	A CRISPR/Cas9-mediated mutation in chitinase changes immune response to bacteria in Exopalaemon carinicauda. Fish and Shellfish Immunology, 2017, 71, 43-49.	3.6	22

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19	A copper-induced metallothionein gene from Exopalaemon carinicauda and its response to heavy metal ions. International Journal of Biological Macromolecules, 2014, 70, 246-250.	7.5	21
20	CRISPR/Cas9-mediated deletion of EcMIH shortens metamorphosis time from mysis larva to postlarva of Exopalaemon carinicauda. Fish and Shellfish Immunology, 2018, 77, 244-251.	3.6	21
21	Comparison of Tree-Structured Parzen Estimator Optimization in Three Typical Neural Network Models for Landslide Susceptibility Assessment. Remote Sensing, 2021, 13, 4694.	4.0	21
22	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
23	The ferritin gene in ridgetail white prawn Exopalaemon carinicauda: Cloning, expression and function. International Journal of Biological Macromolecules, 2015, 72, 320-325.	7.5	17
24	Transcriptome analysis of Neocaridina denticulate sinensis under copper exposure. Gene, 2021, 764, 145098.	2.2	16
25	Heterologous Expression and Efficient Secretion of Chitosanase from Microbacterium sp. in Escherichia coli. Indian Journal of Microbiology, 2015, 55, 194-199.	2.7	15
26	Modeling Water Quality Parameters Using Landsat Multispectral Images: A Case Study of Erlong Lake, Northeast China. Remote Sensing, 2021, 13, 1603.	4.0	15
27	Spatiotemporal variation of ecological carrying capacity in Dongliao River Basin, China. Ecological Indicators, 2022, 135, 108548.	6.3	15
28	Immune function against bacteria of chitin deacetylase 1 (EcCDA1) from Exopalaemon carinicauda. Fish and Shellfish Immunology, 2018, 75, 115-123.	3.6	14
29	Molecular cloning, expression and characterization of a chitosanase from Microbacterium sp.. Biotechnology Letters, 2007, 29, 1221-1225.	2.2	11
30	Biological function of a gC1qR homolog (EcgC1qR) of Exopalaemon carinicauda in defending bacteria challenge. Fish and Shellfish Immunology, 2018, 82, 378-385.	3.6	11
31	CRISPR/Cas9-mediated deletion of Î², Î²-carotene 9â€², 10â€²-oxygenase gene (EcBCO2) from Exopalaemon carinicauda. International Journal of Biological Macromolecules, 2020, 151, 168-177.	7.5	11
32	Transcriptome analysis of Neocaridina denticulate sinensis challenged by Vibrio parahemolyticus. Fish and Shellfish Immunology, 2022, 121, 31-38.	3.6	9
33	A cadmium metallothionein gene of ridgetail white prawn Exopalaemon carinicauda (Holthuis, 1950) and its expression. Chinese Journal of Oceanology and Limnology, 2013, 31, 1204-1209.	0.7	8
34	CRISPR/Cas9-mediated deletion of one carotenoid isomerooxygenase gene (EcNinaB-X1) from Exopalaemon carinicauda. Fish and Shellfish Immunology, 2020, 97, 421-431.	3.6	8
35	A trehalose-6-phosphate synthase gene from Chinese shrimp, Fenneropenaeus chinensis. Molecular Biology Reports, 2012, 39, 10219-10225.	2.3	7
36	Molecular characterization and function of Î²-N-acetylglucosaminidase from ridgetail white prawn Exopalaemon carinicauda. Gene, 2018, 648, 12-20.	2.2	7

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37	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
38	Molecular Identification of Anion Exchange Protein 3 in Pacific White Shrimp (Litopenaeus vannamei): mRNA Profiles for Tissues, Ontogeny, Molting, and Ovarian Development and Its Potential Role in Stress-Induced Gill Damage. Frontiers in Physiology, 2021, 12, 726600.	2.8	6
39	Transcriptomic analysis of Neocaridina denticulate sinensis hepatopancreas indicates immune changes after copper exposure. Fish and Shellfish Immunology, 2022, 121, 23-30.	3.6	6
40	Identification and validation of sRNAs in Edwardsiella tarda S08. PLoS ONE, 2017, 12, e0172783.	2.5	5
41	Study on the Evolutionary Features and Driving Factors of Land-Use System in Xilingol, China. Land, 2022, 11, 526.	2.9	5
42	Spatial-Temporal Change of Land Use and Its Impact on Water Quality of East-Liao River Basin from 2000 to 2020. Water (Switzerland), 2021, 13, 1955.	2.7	4
43	Characterization and functional analysis of peroxiredoxin 4 gene in the Neocaridina denticulata sinensis. Fish and Shellfish Immunology, 2022, 122, 162-169.	3.6	4
44	Enzymatic characterization and functional analysis of EcChi3C from ridgetail white prawn Exopalaemon carinicauda. International Journal of Biological Macromolecules, 2018, 109, 448-456.	7.5	3
45	Cloning of a trehalose-6-phosphate synthase gene from Exopalaemon carinicauda and its expression response to bacteria challenge. Fish and Shellfish Immunology, 2019, 93, 387-394.	3.6	2
46	Genomic structure, expression and functional characterization of arginine kinase (EcAK) from Exopalaemon carinicauda. Fish and Shellfish Immunology, 2021, 109, 82-86.	3.6	2
47	Metallothionein-1 gene from Exopalaemon carinicauda and its response to heavy metal ions challenge. Marine Pollution Bulletin, 2022, 175, 113324.	5.0	2
48	Cloning, expression analysis and RNAi of farnesoic acid O-methylransferase gene from Neocaridina denticulata sinensis. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2022, 259, 110719.	1.6	2
49	Plant Ontogeny Strongly Influences SO2 Stress Resistance in Landscape Tree Species Leaf Functional Traits. Remote Sensing, 2022, 14, 1857.	4.0	1
50	A novel type I Crustin from Exopalaemon carinicauda: Antimicrobial ability related to conserved cysteine. Fish and Shellfish Immunology, 2022, , .	3.6	1
51	Genome-Wide Analysis Indicates a Complete Prostaglandin Pathway from Synthesis to Inactivation in Pacific White Shrimp, Litopenaeus vannamei. International Journal of Molecular Sciences, 2022, 23, 1654.	4.1	0