

# Jiquan Zhang

## List of Publications by Year in descending order

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51  
papers

1,576  
citations

394421

19  
h-index

315739

38  
g-index

51  
all docs

51  
docs citations

51  
times ranked

1415  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transcriptome analysis of <i>Neocaridina denticulate sinensis</i> challenged by <i>Vibrio parahemolyticus</i> . <i>Fish and Shellfish Immunology</i> , 2022, 121, 31-38.	3.6	9
2	Transcriptomic analysis of <i>Neocaridina denticulate sinensis</i> hepatopancreas indicates immune changes after copper exposure. <i>Fish and Shellfish Immunology</i> , 2022, 121, 23-30.	3.6	6
3	Spatiotemporal variation of ecological carrying capacity in Dongliao River Basin, China. <i>Ecological Indicators</i> , 2022, 135, 108548.	6.3	15
4	Characterization and functional analysis of peroxiredoxin 4 gene in the <i>Neocaridina denticulata sinensis</i> . <i>Fish and Shellfish Immunology</i> , 2022, 122, 162-169.	3.6	4
5	Genome-Wide Analysis Indicates a Complete Prostaglandin Pathway from Synthesis to Inactivation in Pacific White Shrimp, <i>Litopenaeus vannamei</i> . <i>International Journal of Molecular Sciences</i> , 2022, 23, 1654.	4.1	0
6	Metallothionein-1 gene from <i>Exopalaemon carinicauda</i> and its response to heavy metal ions challenge. <i>Marine Pollution Bulletin</i> , 2022, 175, 113324.	5.0	2
7	Cloning, expression analysis and RNAi of farnesoic acid O-methyltransferase gene from <i>Neocaridina denticulata sinensis</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2022, 259, 110719.	1.6	2
8	Study on the Evolutionary Features and Driving Factors of Land-Use System in Xilingol, China. <i>Land</i> , 2022, 11, 526.	2.9	5
9	Plant Ontogeny Strongly Influences SO <sub>2</sub> Stress Resistance in Landscape Tree Species Leaf Functional Traits. <i>Remote Sensing</i> , 2022, 14, 1857.	4.0	1
10	A novel type I Crustin from <i>Exopalaemon carinicauda</i> : Antimicrobial ability related to conserved cysteine. <i>Fish and Shellfish Immunology</i> , 2022, , .	3.6	1
11	Transcriptome analysis of <i>Neocaridina denticulate sinensis</i> under copper exposure. <i>Gene</i> , 2021, 764, 145098.	2.2	16
12	Genomic structure, expression and functional characterization of arginine kinase (EcAK) from <i>Exopalaemon carinicauda</i> . <i>Fish and Shellfish Immunology</i> , 2021, 109, 82-86.	3.6	2
13	Modeling Water Quality Parameters Using Landsat Multispectral Images: A Case Study of Erlong Lake, Northeast China. <i>Remote Sensing</i> , 2021, 13, 1603.	4.0	15
14	Spatial-Temporal Change of Land Use and Its Impact on Water Quality of East-Liao River Basin from 2000 to 2020. <i>Water (Switzerland)</i> , 2021, 13, 1955.	2.7	4
15	Molecular Identification of Anion Exchange Protein 3 in Pacific White Shrimp ( <i>Litopenaeus vannamei</i> ): mRNA Profiles for Tissues, Ontogeny, Molting, and Ovarian Development and Its Potential Role in Stress-Induced Gill Damage. <i>Frontiers in Physiology</i> , 2021, 12, 726600.	2.8	6
16	Comparison of Tree-Structured Parzen Estimator Optimization in Three Typical Neural Network Models for Landslide Susceptibility Assessment. <i>Remote Sensing</i> , 2021, 13, 4694.	4.0	21
17	CRISPR/Cas9-mediated deletion of one carotenoid isomeroxygenase gene (EcNinaB-X1) from <i>Exopalaemon carinicauda</i> . <i>Fish and Shellfish Immunology</i> , 2020, 97, 421-431.	3.6	8
18	CRISPR/Cas9-mediated deletion of $\beta$ , $\beta$ -carotene 9 $\alpha$ , 10 $\alpha$ -oxygenase gene (EcBCO2) from <i>Exopalaemon carinicauda</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 151, 168-177.	7.5	11

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19	Cloning of a trehalose-6-phosphate synthase gene from <i>Exopalaemon carinicauda</i> and its expression response to bacteria challenge. <i>Fish and Shellfish Immunology</i> , 2019, 93, 387-394.	3.6	2
20	Penaeid shrimp genome provides insights into benthic adaptation and frequent molting. <i>Nature Communications</i> , 2019, 10, 356.	12.8	328
21	CRISPR/Cas9-mediated deletion of EcMIH shortens metamorphosis time from mysis larva to postlarva of <i>Exopalaemon carinicauda</i> . <i>Fish and Shellfish Immunology</i> , 2018, 77, 244-251.	3.6	21
22	Immune function against bacteria of chitin deacetylase 1 (EcCDA1) from <i>Exopalaemon carinicauda</i> . <i>Fish and Shellfish Immunology</i> , 2018, 75, 115-123.	3.6	14
23	Enzymatic characterization and functional analysis of EcChi3C from ridgetail white prawn <i>Exopalaemon carinicauda</i> . <i>International Journal of Biological Macromolecules</i> , 2018, 109, 448-456.	7.5	3
24	Molecular characterization and function of $\beta$ -N-acetylglucosaminidase from ridgetail white prawn <i>Exopalaemon carinicauda</i> . <i>Gene</i> , 2018, 648, 12-20.	2.2	7
25	Heat Shock Protein 40 (HSP40) in Pacific White Shrimp ( <i>Litopenaeus vannamei</i> ): Molecular Cloning, Tissue Distribution and Ontogeny, Response to Temperature, Acidity/Alkalinity and Salinity Stresses, and Potential Role in Ovarian Development. <i>Frontiers in Physiology</i> , 2018, 9, 1784.	2.8	34
26	Biological function of a gC1qR homolog (EcgC1qR) of <i>Exopalaemon carinicauda</i> in defending bacteria challenge. <i>Fish and Shellfish Immunology</i> , 2018, 82, 378-385.	3.6	11
27	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
28	A CRISPR/Cas9-mediated mutation in chitinase changes immune response to bacteria in <i>Exopalaemon carinicauda</i> . <i>Fish and Shellfish Immunology</i> , 2017, 71, 43-49.	3.6	22
29	Identification and validation of sRNAs in <i>Edwardsiella tarda</i> S08. <i>PLoS ONE</i> , 2017, 12, e0172783.	2.5	5
30	The sea cucumber genome provides insights into morphological evolution and visceral regeneration. <i>PLoS Biology</i> , 2017, 15, e2003790.	5.6	202
31	CRISPR/Cas9-Mediated Genome Editing and Mutagenesis of <i>EcChi4</i> in <i>Exopalaemon carinicauda</i> . <i>G3: Genes, Genomes, Genetics</i> , 2016, 6, 3757-3764.	1.8	54
32	Purification and Characterization of Chitinases from Ridgetail White Prawn <i>Exopalaemon carinicauda</i> . <i>Molecules</i> , 2015, 20, 1955-1967.	3.8	26
33	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
34	Heterologous Expression and Efficient Secretion of Chitosanase from <i>Microbacterium</i> sp. in <i>Escherichia coli</i> . <i>Indian Journal of Microbiology</i> , 2015, 55, 194-199.	2.7	15
35	The ferritin gene in ridgetail white prawn <i>Exopalaemon carinicauda</i> : Cloning, expression and function. <i>International Journal of Biological Macromolecules</i> , 2015, 72, 320-325.	7.5	17
36	A copper-induced metallothionein gene from <i>Exopalaemon carinicauda</i> and its response to heavy metal ions. <i>International Journal of Biological Macromolecules</i> , 2014, 70, 246-250.	7.5	21

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37	Statistical optimization for production of chitin deacetylase from <i>Rhodococcus erythropolis</i> HG05. <i>Carbohydrate Polymers</i> , 2014, 102, 649-652.	10.2	27
38	Preparation of d-glucosamine by hydrolysis of chitosan with chitosanase and $\hat{1}^2$ -d-glucosaminidase. <i>International Journal of Biological Macromolecules</i> , 2013, 61, 160-163.	7.5	26
39	A cadmium metallothionein gene of ridgetail white prawn <i>Exopalaemon carinicauda</i> (Holthuis, 1950) and its expression. <i>Chinese Journal of Oceanology and Limnology</i> , 2013, 31, 1204-1209.	0.7	8
40	A trehalose-6-phosphate synthase gene from Chinese shrimp, <i>Fenneropenaeus chinensis</i> . <i>Molecular Biology Reports</i> , 2012, 39, 10219-10225.	2.3	7
41	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
42	Identification of a novel inducible cytosolic Hsp70 gene in Chinese shrimp <i>Fenneropenaeus chinensis</i> and comparison of its expression with the cognate Hsc70 under different stresses. <i>Cell Stress and Chaperones</i> , 2010, 15, 83-93.	2.9	57
43	Molecular characterization and expression analysis of chitinase (Fcchi-3) from Chinese shrimp, <i>Fenneropenaeus chinensis</i> . <i>Molecular Biology Reports</i> , 2010, 37, 1913-1921.	2.3	23
44	Molecular characterization of an ecdysone inducible gene E75 of Chinese shrimp <i>Fenneropenaeus chinensis</i> and elucidation of its role in molting by RNA interference. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2010, 156, 149-157.	1.6	28
45	Molecular characterization and effect of RNA interference of retinoid X receptor (RXR) on E75 and chitinase gene expression in Chinese shrimp <i>Fenneropenaeus chinensis</i> . <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2009, 153, 121-129.	1.6	59
46	A Toll receptor from Chinese shrimp <i>Fenneropenaeus chinensis</i> is responsive to <i>Vibrio anguillarum</i> infection. <i>Fish and Shellfish Immunology</i> , 2008, 24, 564-574.	3.6	162
47	Molecular cloning, expression of a peroxiredoxin gene in Chinese shrimp <i>Fenneropenaeus chinensis</i> and the antioxidant activity of its recombinant protein. <i>Molecular Immunology</i> , 2007, 44, 3501-3509.	2.2	67
48	Expression, purification, and characterization of recombinant Chinese shrimp crustin-like protein (CruFc) in <i>Pichia pastoris</i> . <i>Biotechnology Letters</i> , 2007, 29, 813-817.	2.2	24
49	Molecular cloning, expression and characterization of a chitosanase from <i>Microbacterium</i> sp.. <i>Biotechnology Letters</i> , 2007, 29, 1221-1225.	2.2	11
50	Cloning, expression and identification of ferritin from Chinese shrimp, <i>Fenneropenaeus chinensis</i> . <i>Journal of Biotechnology</i> , 2006, 125, 173-184.	3.8	75
51	Purification and Characterization of Two Types of Chitosanase from a <i>Microbacterium</i> sp.. <i>Biotechnology Letters</i> , 2006, 28, 1393-1399.	2.2	35