

Zhihao Jia

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,413
citations

304743
22
h-index

395702
33
g-index

62
all docs

62
docs citations

62
times ranked

1224
citing authors

#	ARTICLE	IF	CITATIONS
1	The granulocytes are the main immunocompetent hemocytes in <i>Crassostrea gigas</i> . <i>Developmental and Comparative Immunology</i> , 2017, 67, 221-228.	2.3	108
2	An integrin from oyster <i>Crassostrea gigas</i> mediates the phagocytosis toward <i>Vibrio splendidus</i> through LPS binding activity. <i>Developmental and Comparative Immunology</i> , 2015, 53, 253-264.	2.3	85
3	The hematopoiesis in gill and its role in the immune response of Pacific oyster <i>Crassostrea gigas</i> against secondary challenge with <i>Vibrio splendidus</i> . <i>Developmental and Comparative Immunology</i> , 2017, 71, 59-69.	2.3	58
4	A novel brown adipocyte-enriched long non-coding RNA that is required for brown adipocyte differentiation and sufficient to drive thermogenic gene program in white adipocytes. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018, 1863, 409-419.	2.4	56
5	Caspase-3 serves as an intracellular immune receptor specific for lipopolysaccharide in oyster <i>Crassostrea gigas</i> . <i>Developmental and Comparative Immunology</i> , 2016, 61, 1-12.	2.3	53
6	DM9 Domain Containing Protein Functions As a Pattern Recognition Receptor with Broad Microbial Recognition Spectrum. <i>Frontiers in Immunology</i> , 2017, 8, 1607.	4.8	43
7	Comparative study of two single CRD C-type lectins, CgCLec-4 and CgCLec-5, from pacific oyster <i>Crassostrea gigas</i> . <i>Fish and Shellfish Immunology</i> , 2016, 59, 220-232.	3.6	41
8	Transcriptomic and Quantitative Proteomic Analyses Provide Insights Into the Phagocytic Killing of Hemocytes in the Oyster <i>Crassostrea gigas</i> . <i>Frontiers in Immunology</i> , 2018, 9, 1280.	4.8	39
9	A Carbonic Anhydrase Serves as an Important Acid-Base Regulator in Pacific Oyster <i>Crassostrea gigas</i> Exposed to Elevated CO ₂ : Implication for Physiological Responses of Mollusk to Ocean Acidification. <i>Marine Biotechnology</i> , 2017, 19, 22-35.	2.4	38
10	The immunological capacity in the larvae of Pacific oyster <i>Crassostrea gigas</i> . <i>Fish and Shellfish Immunology</i> , 2016, 49, 461-469.	3.6	36
11	A shell-formation related carbonic anhydrase in <i>Crassostrea gigas</i> modulates intracellular calcium against CO ₂ exposure: Implication for impacts of ocean acidification on mollusk calcification. <i>Aquatic Toxicology</i> , 2017, 189, 216-228.	4.0	36
12	Functional characterisation of phagocytes in the Pacific oyster <i>Crassostrea gigas</i> . <i>PeerJ</i> , 2016, 4, e2590.	2.0	36
13	The various components implied the diversified Toll-like receptor (TLR) signaling pathway in mollusk <i>Chlamys farreri</i> . <i>Fish and Shellfish Immunology</i> , 2018, 74, 205-212.	3.6	30
14	Comparative study of three C1q domain containing proteins from pacific oyster <i>Crassostrea gigas</i> . <i>Developmental and Comparative Immunology</i> , 2018, 78, 42-51.	2.3	29
15	A DM9-containing protein from oyster <i>Crassostrea gigas</i> (CgDM9CP-2) serves as a multipotent pattern recognition receptor. <i>Developmental and Comparative Immunology</i> , 2018, 84, 315-326.	2.3	28
16	The activated β_2 -integrin (Cg β_2 V) enhances RGD-binding and phagocytic capabilities of hemocytes in <i>Crassostrea gigas</i> . <i>Fish and Shellfish Immunology</i> , 2019, 87, 638-649.	3.6	27
17	Ocean acidification stimulates alkali signal pathway: A bicarbonate sensing soluble adenylyl cyclase from oyster <i>Crassostrea gigas</i> mediates physiological changes induced by CO ₂ exposure. <i>Aquatic Toxicology</i> , 2016, 181, 124-135.	4.0	26
18	Transcriptional changes of Pacific oyster <i>Crassostrea gigas</i> reveal essential role of calcium signal pathway in response to CO ₂ -driven acidification. <i>Science of the Total Environment</i> , 2020, 741, 140177.	8.0	26

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19	Biomimetic glycosaminoglycan-based scaffolds improve skeletal muscle regeneration in a Murine volumetric muscle loss model. <i>Bioactive Materials</i> , 2021, 6, 1201-1213.	15.6	26
20	The characterization of hematopoietic tissue in adult Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Developmental and Comparative Immunology</i> , 2016, 60, 12-22.	2.3	25
21	A single-CRD C-type lectin (CgCLec-3) with novel DIN motif exhibits versatile immune functions in <i>Crassostrea gigas</i> . <i>Fish and Shellfish Immunology</i> , 2019, 92, 772-781.	3.6	24
22	Two short peptidoglycan recognition proteins from <i>Crassostrea gigas</i> with similar structure exhibited different PAMP binding activity. <i>Developmental and Comparative Immunology</i> , 2017, 70, 9-18.	2.3	23
23	Identification of a clip domain serine proteinase involved in immune defense in Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Fish and Shellfish Immunology</i> , 2018, 74, 332-340.	3.6	23
24	The cytochemical and ultrastructural characteristics of phagocytes in the Pacific oyster <i>Crassostrea gigas</i> . <i>Fish and Shellfish Immunology</i> , 2016, 55, 490-498.	3.6	22
25	The modulation of Smac/DIABLO on mitochondrial apoptosis induced by LPS in <i>Crassostrea gigas</i> . <i>Fish and Shellfish Immunology</i> , 2019, 84, 587-598.	3.6	22
26	Protein Arginine Methyltransferase PRMT5 Regulates Fatty Acid Metabolism and Lipid Droplet Biogenesis in White Adipose Tissues. <i>Advanced Science</i> , 2020, 7, 2002602.	11.2	22
27	The cyclin-dependent kinase 2 (CDK2) mediates hematopoiesis through G1-to-S transition in Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Developmental and Comparative Immunology</i> , 2018, 81, 156-166.	2.3	22
28	The versatile functions of LRR-only proteins in mollusk <i>Chlamys farreri</i> . <i>Developmental and Comparative Immunology</i> , 2017, 77, 188-199.	2.3	21
29	A Prokineticin (PK)-like cytokine from Chinese mitten crab <i>Eriocheir sinensis</i> promotes the production of hemocytes via reactive oxygen species. <i>Fish and Shellfish Immunology</i> , 2018, 77, 419-428.	3.6	19
30	An inhibitor of apoptosis protein (EsIAP1) from Chinese mitten crab <i>Eriocheir sinensis</i> regulates apoptosis through inhibiting the activity of EsCaspase-3/7-1. <i>Scientific Reports</i> , 2019, 9, 20421.	3.3	19
31	Two novel LRR-only proteins in <i>Chlamys farreri</i> : Similar in structure, yet different in expression profile and pattern recognition. <i>Developmental and Comparative Immunology</i> , 2016, 59, 99-109.	2.3	18
32	Glycogen synthase kinase-3 (GSK3) regulates TNF production and haemocyte phagocytosis in the immune response of Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Developmental and Comparative Immunology</i> , 2017, 73, 144-155.	2.3	18
33	Transcriptomic analysis of exosomal shuttle mRNA in Pacific oyster <i>Crassostrea gigas</i> during bacterial stimulation. <i>Fish and Shellfish Immunology</i> , 2018, 74, 540-550.	3.6	18
34	Transcriptome sequencing reveals the involvement of reactive oxygen species in the hematopoiesis from Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Developmental and Comparative Immunology</i> , 2018, 82, 94-103.	2.3	17
35	Soluble adenylyl cyclase mediates mitochondrial pathway of apoptosis and ATP metabolism in oyster <i>Crassostrea gigas</i> exposed to elevated CO ₂ . <i>Fish and Shellfish Immunology</i> , 2017, 66, 140-147.	3.6	16
36	Identification of a Novel Pattern Recognition Receptor DM9 Domain Containing Protein 4 as a Marker for Pro-Hemocyte of Pacific Oyster <i>Crassostrea gigas</i> . <i>Frontiers in Immunology</i> , 2020, 11, 603270.	4.8	16

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37	The receptor for activated C kinase 1 (RACK1) functions in hematopoiesis through JNK activation in Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Fish and Shellfish Immunology</i> , 2016, 57, 252-261.	3.6	15
38	The modulation of haemolymph arginine kinase on the extracellular ATP induced bactericidal immune responses in the Pacific oyster <i>Crassostrea gigas</i> . <i>Fish and Shellfish Immunology</i> , 2016, 54, 282-293.	3.6	15
39	Functional characterization of hemocytes from Chinese mitten crab <i>Eriocheir sinensis</i> by flow cytometry. <i>Fish and Shellfish Immunology</i> , 2017, 69, 15-25.	3.6	15
40	A serotonin receptor (Cg5-HTR-1) mediating immune response in oyster <i>Crassostrea gigas</i> . <i>Developmental and Comparative Immunology</i> , 2018, 82, 83-93.	2.3	15
41	Reduced electron transport chain complex I protein abundance and function in Mfn2-deficient myogenic progenitors lead to oxidative stress and mitochondria swelling. <i>FASEB Journal</i> , 2021, 35, e21426.	0.5	15
42	Nanoparticle-Mediated Inhibition of Notch Signaling Promotes Mitochondrial Biogenesis and Reduces Subcutaneous Adipose Tissue Expansion in Pigs. <i>IScience</i> , 2020, 23, 101167.	4.1	14
43	A novel ubiquitin-protein ligase E3 functions as a modulator of immune response against lipopolysaccharide in Pacific oyster, <i>Crassostrea gigas</i> . <i>Developmental and Comparative Immunology</i> , 2016, 60, 180-190.	2.3	13
44	The modulation of extracellular superoxide dismutase in the specifically enhanced cellular immune response against secondary challenge of <i>Vibrio splendidus</i> in Pacific oyster (<i>Crassostrea gigas</i>). <i>Developmental and Comparative Immunology</i> , 2016, 63, 163-170.	2.3	13
45	Hemolymph C1qDC promotes the phagocytosis of oyster <i>Crassostrea gigas</i> hemocytes by interacting with the membrane receptor $\beta 2$ -integrin. <i>Developmental and Comparative Immunology</i> , 2019, 98, 42-53.	2.3	13
46	PTEN Inhibition Ameliorates Muscle Degeneration and Improves Muscle Function in a Mouse Model of Duchenne Muscular Dystrophy. <i>Molecular Therapy</i> , 2021, 29, 132-148.	8.2	12
47	A requirement of Polo-like kinase 1 in murine embryonic myogenesis and adult muscle regeneration. <i>ELife</i> , 2019, 8, .	6.0	12
48	Chitosan oligosaccharides inhibit epithelial cell migration through blockade of N -acetylglucosaminyltransferase V and branched GlcNAc structure. <i>Carbohydrate Polymers</i> , 2017, 170, 241-246.	10.2	11
49	Peripheral Neuropathy and Hindlimb Paralysis in a Mouse Model of Adipocyte-Specific Knockout of <i>Lkb1</i> . <i>EBioMedicine</i> , 2017, 24, 127-136.	6.1	11
50	The sequence variation and functional differentiation of CRDs in a scallop multiple CRDs containing lectin. <i>Developmental and Comparative Immunology</i> , 2017, 67, 333-339.	2.3	11
51	A novel GATA-like zinc finger transcription factor involving in hematopoiesis of <i>Eriocheir sinensis</i> . <i>Fish and Shellfish Immunology</i> , 2018, 74, 363-371.	3.6	10
52	Chinese mitten crab (<i>Eriocheir sinensis</i>) iron-sulphur cluster assembly protein 2 (<i>EslscA2</i>) is differentially regulated after immune and oxidative stress challenges. <i>Developmental and Comparative Immunology</i> , 2018, 84, 343-352.	2.3	9
53	A novel LRR and Ig domain-containing protein could function as an immune effector in <i>Crassostrea gigas</i> . <i>Fish and Shellfish Immunology</i> , 2019, 88, 318-327.	3.6	9
54	Regulation of apoptosis by Pacific oyster <i>Crassostrea gigas</i> reveals acclimation strategy to CO ₂ driven acidification. <i>Ecotoxicology and Environmental Safety</i> , 2021, 217, 112235.	6.0	8

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55	The immunomodulation of a maternal translationally controlled tumor protein (TCTP) in Zhikong scallop <i>Chlamys farreri</i> . <i>Fish and Shellfish Immunology</i> , 2017, 60, 141-149.	3.6	6
56	Molecular characterization of a cathepsin L1 highly expressed in phagocytes of pacific oyster <i>Crassostrea gigas</i> . <i>Developmental and Comparative Immunology</i> , 2018, 89, 152-162.	2.3	6
57	Immune-related genes response to stimulation of miR-155 overexpression in CIK (ctenopharyngodon) Tj ETQq1 1 0.784314 rgBT /Ove	3.6	6
58	ACSS3 in brown fat drives propionate catabolism and its deficiency leads to autophagy and systemic metabolic dysfunction. <i>Clinical and Translational Medicine</i> , 2022, 12, e665.	4.0	6
59	Nanocontrollers for In Vitro Drug Release Based on Core-Sheath Encapsulation of Theophylline into Hydroxypropyl Methylcellulose Acetate Succinate Nanofibers. <i>Journal of Vinyl and Additive Technology</i> , 2020, 26, 566-576.	3.4	2
60	Skeletal Muscle Extracellular Vesicles Regulate Endothelial Cells in a Fiber Type Dependent Manner. <i>FASEB Journal</i> , 2021, 35, .	0.5	0