

Zhaoqun Liu

List of Publications by Year in descending order

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64
papers

1,311
citations

304743

22
h-index

434195

31
g-index

64
all docs

64
docs citations

64
times ranked

1272
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	The simple neuroendocrine-immune regulatory network in oyster <i>Crassostrea gigas</i> mediates complex functions. <i>Scientific Reports</i> , 2016, 6, 26396.	3.3	52
3	The Neuroendocrine-Immune Regulation in Response to Environmental Stress in Marine Bivalves. <i>Frontiers in Physiology</i> , 2018, 9, 1456.	2.8	47
4	The RNA-seq analysis suggests a potential multi-component complement system in oyster <i>Crassostrea gigas</i> . <i>Developmental and Comparative Immunology</i> , 2017, 76, 209-219.	2.3	41
5	The Cholinergic and Adrenergic Autocrine Signaling Pathway Mediates Immunomodulation in Oyster <i>Crassostrea gigas</i> . <i>Frontiers in Immunology</i> , 2018, 9, 284.	4.8	40
6	Oxidative stress, apoptosis activation and symbiosis disruption in giant clam <i>Tridacna crocea</i> under high temperature. <i>Fish and Shellfish Immunology</i> , 2019, 84, 451-457.	3.6	40
7	The neuroendocrine immunomodulatory axis-like pathway mediated by circulating haemocytes in pacific oyster <i>Crassostrea gigas</i> . <i>Open Biology</i> , 2017, 7, 160289.	3.6	38
8	The immunomodulation mediated by a delta-opioid receptor for [Met5]-enkephalin in oyster <i>Crassostrea gigas</i> . <i>Developmental and Comparative Immunology</i> , 2015, 49, 217-224.	2.3	35
9	The comprehensive immunomodulation of NeurimmiRs in haemocytes of oyster <i>Crassostrea gigas</i> after acetylcholine and norepinephrine stimulation. <i>BMC Genomics</i> , 2015, 16, 942.	2.8	34
10	The enkephalinergic nervous system and its immunomodulation on the developing immune system during the ontogenesis of oyster <i>Crassostrea gigas</i> . <i>Fish and Shellfish Immunology</i> , 2015, 45, 250-259.	3.6	34
11	The inhibitory role of Γ^3 -aminobutyric acid (GABA) on immunomodulation of Pacific oyster <i>Crassostrea gigas</i> . <i>Fish and Shellfish Immunology</i> , 2016, 52, 16-22.	3.6	34
12	Metabolomic and transcriptomic profiling reveals the alteration of energy metabolism in oyster larvae during initial shell formation and under experimental ocean acidification. <i>Scientific Reports</i> , 2020, 10, 6111.	3.3	34
13	The cholinergic immune regulation mediated by a novel muscarinic acetylcholine receptor through TNF pathway in oyster <i>Crassostrea gigas</i> . <i>Developmental and Comparative Immunology</i> , 2016, 65, 139-148.	2.3	31
14	A novel globular C1q domain containing protein (C1qDC-7) from <i>Crassostrea gigas</i> acts as pattern recognition receptor with broad recognition spectrum. <i>Fish and Shellfish Immunology</i> , 2019, 84, 920-926.	3.6	31
15	Transcriptional activation and translocation of ancient NOS during immune response. <i>FASEB Journal</i> , 2016, 30, 3527-3540.	0.5	30
16	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
17	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
18	The activated Γ^2 -integrin (Cg Γ^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

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19	Altered Immune Landscape and Disrupted Coral-Symbiodinium Symbiosis in the Scleractinian Coral <i>Pocillopora damicornis</i> by <i>Vibrio coralliilyticus</i> Challenge. <i>Frontiers in Physiology</i> , 2019, 10, 366.	2.8	26
20	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
21	The modulation role of serotonin in Pacific oyster <i>Crassostrea gigas</i> in response to air exposure. <i>Fish and Shellfish Immunology</i> , 2017, 62, 341-348.	3.6	25
22	The cGAS/STING-TBK1-IRF Regulatory Axis Orchestrates a Primitive Interferon-Like Antiviral Mechanism in Oyster. <i>Frontiers in Immunology</i> , 2021, 12, 689783.	4.8	25
23	P38 is involved in immune response by regulating inflammatory cytokine expressions in the Pacific oyster <i>Crassostrea gigas</i> . <i>Developmental and Comparative Immunology</i> , 2019, 91, 108-114.	2.3	24
24	Ocean acidification inhibits initial shell formation of oyster larvae by suppressing the biosynthesis of serotonin and dopamine. <i>Science of the Total Environment</i> , 2020, 735, 139469.	8.0	24
25	The involvement of TLR signaling and anti-bacterial effectors in enhanced immune protection of oysters after <i>Vibrio splendidus</i> pre-exposure. <i>Developmental and Comparative Immunology</i> , 2020, 103, 103498.	2.3	23
26	CgA1AR-1 acts as an alpha-1 adrenergic receptor in oyster <i>Crassostrea gigas</i> mediating both cellular and humoral immune response. <i>Fish and Shellfish Immunology</i> , 2016, 58, 50-58.	3.6	22
27	Transcriptomic analysis of oyster <i>Crassostrea gigas</i> larvae illustrates the response patterns regulated by catecholaminergic system upon acute heat and bacterial stress. <i>Developmental and Comparative Immunology</i> , 2017, 73, 52-60.	2.3	21
28	A novel tumor necrosis factor in the Pacific oyster <i>Crassostrea gigas</i> mediates the antibacterial response by triggering the synthesis of lysozyme and nitric oxide. <i>Fish and Shellfish Immunology</i> , 2020, 98, 334-341.	3.6	21
29	A norepinephrine-responsive miRNA directly promotes CgHSP90AA1 expression in oyster haemocytes during desiccation. <i>Fish and Shellfish Immunology</i> , 2017, 64, 297-307.	3.6	19
30	The fragmentation mechanism and immune-protective effect of CfTEP in the scallop <i>Chlamys farreri</i> . <i>Developmental and Comparative Immunology</i> , 2017, 76, 220-228.	2.3	19
31	A GTP-dependent Phosphoenolpyruvate Carboxykinase from <i>Crassostrea gigas</i> Involved in Immune Recognition. <i>Developmental and Comparative Immunology</i> , 2017, 77, 318-329.	2.3	19
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	The involvement of suppressor of cytokine signaling 6 (SOCS6) in immune response of Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Fish and Shellfish Immunology</i> , 2018, 72, 502-509.	3.6	17
34	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
35	A novel junctional adhesion molecule A (CgJAM-A-L) from oyster (<i>Crassostrea gigas</i>) functions as pattern recognition receptor and opsonin. <i>Developmental and Comparative Immunology</i> , 2016, 55, 211-220.	2.3	15
36	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

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37	A novel C-type lectin from the sea cucumber <i>Apostichopus japonicus</i> (AjCTL-2) with preferential binding of d-galactose. <i>Fish and Shellfish Immunology</i> , 2018, 79, 218-227.	3.6	15
38	Dopamine and Serotonin Modulate Free Amino Acids Production and Na ⁺ /K ⁺ Pump Activity in Chinese Mitten Crab <i>Eriocheir sinensis</i> Under Acute Salinity Stress. <i>Frontiers in Physiology</i> , 2018, 9, 1080.	2.8	15
39	A new member of the runt domain family from Pacific oyster <i>Crassostrea gigas</i> (CgRunx) potentially involved in immune response and larvae hematopoiesis. <i>Fish and Shellfish Immunology</i> , 2019, 89, 228-236.	3.6	14
40	A DM9-containing protein from oyster <i>Crassostrea gigas</i> (CgDM9CP-3) mediating immune recognition and encapsulation. <i>Developmental and Comparative Immunology</i> , 2021, 116, 103937.	2.3	14
41	Hemolymph C1qDC promotes the phagocytosis of oyster <i>Crassostrea gigas</i> hemocytes by interacting with the membrane receptor β 2-integrin. <i>Developmental and Comparative Immunology</i> , 2019, 98, 42-53.	2.3	13
42	The immunomodulatory function of invertebrate specific neuropeptide FMRamide in oyster <i>Crassostrea gigas</i> . <i>Fish and Shellfish Immunology</i> , 2019, 88, 480-488.	3.6	13
43	Beclin-1 is involved in the regulation of antimicrobial peptides expression in Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Fish and Shellfish Immunology</i> , 2019, 89, 207-216.	3.6	13
44	D1 dopamine receptor is involved in shell formation in larvae of Pacific oyster <i>Crassostrea gigas</i> . <i>Developmental and Comparative Immunology</i> , 2018, 84, 337-342.	2.3	12
45	The Inhibition of Ocean Acidification on the Formation of Oyster Calcified Shell by Regulating the Expression of Cgchs1 and Cgchit4. <i>Frontiers in Physiology</i> , 2019, 10, 1034.	2.8	12
46	ATG10 (autophagy-related 10) regulates the formation of autophagosome in the anti-virus immune response of pacific oyster (<i>Crassostrea gigas</i>). <i>Fish and Shellfish Immunology</i> , 2019, 91, 325-332.	3.6	11
47	CgSOCS6 negatively regulates the expression of CgIL17s and CgDefh1 in the pacific oyster <i>Crassostrea gigas</i> . <i>Fish and Shellfish Immunology</i> , 2019, 93, 1084-1092.	3.6	10
48	Chinese mitten crab (<i>Eriocheir sinensis</i>) iron-sulphur cluster assembly protein 2 (Eslsca2) is differentially regulated after immune and oxidative stress challenges. <i>Developmental and Comparative Immunology</i> , 2018, 84, 343-352.	2.3	9
49	The involvement of zinc transporters in the zinc accumulation in the Pacific oyster <i>Crassostrea gigas</i> . <i>Gene</i> , 2020, 750, 144759.	2.2	9
50	The First Genome Survey of the Antarctic Krill (<i>Euphausia superba</i>) Provides a Valuable Genetic Resource for Polar Biomedical Research. <i>Marine Drugs</i> , 2020, 18, 185.	4.6	9
51	The sensing pattern and antitoxic response of <i>Crassostrea gigas</i> against extracellular products of <i>Vibrio splendidus</i> . <i>Developmental and Comparative Immunology</i> , 2020, 102, 103467.	2.3	8
52	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
53	A membrane-bound dopamine β -hydroxylase highly expressed in granulocyte of Pacific oyster <i>Crassostrea gigas</i> . <i>Developmental and Comparative Immunology</i> , 2020, 104, 103563.	2.3	5
54	The Increased Expression of an Engrailed to Sustain Shell Formation in Response to Ocean Acidification. <i>Frontiers in Physiology</i> , 2020, 11, 530435.	2.8	5

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55	A novel CgIFNLP receptor involved in regulating ISG expression in oyster <i>Crassostrea gigas</i> . <i>Developmental and Comparative Immunology</i> , 2021, 124, 104206.	2.3	5
56	A novel Adiponectin receptor (AdipoR) involved in regulating cytokines production and apoptosis of haemocytes in oyster <i>Crassostrea gigas</i> . <i>Developmental and Comparative Immunology</i> , 2020, 110, 103727.	2.3	4
57	A hexokinase from the oyster <i>Crassostrea gigas</i> is involved in immune recognition as a pattern recognition receptor. <i>Developmental and Comparative Immunology</i> , 2021, 122, 104083.	2.3	4
58	Cortisol modulates glucose metabolism and oxidative response after acute high temperature stress in Pacific oyster <i>Crassostrea gigas</i> . <i>Fish and Shellfish Immunology</i> , 2022, 126, 141-149.	3.6	4
59	A Signaling Pathway to Mediate the Combined Immunomodulation of Acetylcholine and Enkephalin in Oyster <i>Crassostrea gigas</i> . <i>Frontiers in Immunology</i> , 2020, 11, 616.	4.8	3
60	A myxovirus resistance like protein involved in CgIFNLP mediated immune response of oyster <i>Crassostrea gigas</i> . <i>Fish and Shellfish Immunology</i> , 2021, 119, 318-328.	3.6	3
61	A truncated intracellular Dicer-like molecule involves in antiviral immune recognition of oyster <i>Crassostrea gigas</i> . <i>Developmental and Comparative Immunology</i> , 2021, 116, 103931.	2.3	2
62	The glutaminase (CgGLS-1) mediates anti-bacterial immunity by prompting cytokine synthesis and hemocyte apoptosis in Pacific oyster <i>Crassostrea gigas</i> . <i>Scientific Reports</i> , 2021, 11, 1281.	3.3	2
63	A tripartite motif protein (CgTRIM1) involved in CgIFNLP mediated antiviral immunity in the Pacific oyster <i>Crassostrea gigas</i> . <i>Developmental and Comparative Immunology</i> , 2021, 123, 104146.	2.3	2
64	A novel programmed cell death protein 4 negatively regulates CgIL17-5 expression in hemocytes of oyster Pacific oyster (<i>Crassostrea gigas</i>). <i>Fish and Shellfish Immunology</i> , 2020, 99, 594-602.	3.6	1