

# Zhaoqun Liu

## List of Publications by Year in descending order

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64  
papers

1,311  
citations

346980

22  
h-index

488211

31  
g-index

64  
all docs

64  
docs citations

64  
times ranked

1359  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | 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.                             | 1.6 | 4         |
| 2  | 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.                                       | 1.0 | 14        |
| 3  | 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.                                     | 1.0 | 2         |
| 4  | 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.                           | 1.6 | 2         |
| 5  | The cGAS/STING-TBK1-IRF Regulatory Axis Orchestrates a Primitive Interferon-Like Antiviral Mechanism in Oyster. <i>Frontiers in Immunology</i> , 2021, 12, 689783.   | 2.2 | 25        |
| 6  | 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.                                      | 1.0 | 4         |
| 7  | 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.                           | 1.0 | 2         |
| 8  | A novel CgIFNLP receptor involved in regulating ISG expression in oyster <i>Crassostrea gigas</i> . <i>Developmental and Comparative Immunology</i> , 2021, 124, 104206.   | 1.0 | 5         |
| 9  | 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.   | 1.6 | 3         |
| 10 | 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.                             | 1.0 | 8         |
| 11 | 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.             | 1.0 | 23        |
| 12 | 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. | 1.6 | 21        |
| 13 | A membrane-bound dopamine $\beta$ -hydroxylase highly expressed in granulocyte of Pacific oyster <i>Crassostrea gigas</i> . <i>Developmental and Comparative Immunology</i> , 2020, 104, 103563.                                     | 1.0 | 5         |
| 14 | The Increased Expression of an Engrailed to Sustain Shell Formation in Response to Ocean Acidification. <i>Frontiers in Physiology</i> , 2020, 11, 530435.   | 1.3 | 5         |
| 15 | 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.  | 2.2 | 3         |
| 16 | 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.              | 1.0 | 4         |
| 17 | The involvement of zinc transporters in the zinc accumulation in the Pacific oyster <i>Crassostrea gigas</i> . <i>Gene</i> , 2020, 750, 144759.  | 1.0 | 9         |
| 18 | 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.  | 3.9 | 24        |

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|----|--|-----|-----------|
| 19 | Transcriptional changes of Pacific oyster <i>Crassostrea gigas</i> reveal essential role of calcium signal pathway in response to CO <sub>2</sub> -driven acidification. <i>Science of the Total Environment</i> , 2020, 741, 140177.              | 3.9 | 26        |
| 20 | 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.                                     | 1.6 | 1         |
| 21 | 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.   | 2.2 | 9         |
| 22 | 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.                       | 1.6 | 34        |
| 23 | 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.  | 1.6 | 10        |
| 24 | 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.  | 1.3 | 12        |
| 25 | 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.                                  | 1.6 | 11        |
| 26 | 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.                           | 1.3 | 26        |
| 27 | Hemolymph C1qDC promotes the phagocytosis of oyster <i>Crassostrea gigas</i> hemocytes by interacting with the membrane receptor $\beta$ <sup>2</sup> -integrin. <i>Developmental and Comparative Immunology</i> , 2019, 98, 42-53.                | 1.0 | 13        |
| 28 | The immunomodulatory function of invertebrate specific neuropeptide FMRFamide in oyster <i>Crassostrea gigas</i> . <i>Fish and Shellfish Immunology</i> , 2019, 88, 480-488.   | 1.6 | 13        |
| 29 | 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.                           | 1.6 | 14        |
| 30 | 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.   | 1.6 | 13        |
| 31 | The activated $\beta$ <sup>2</sup> -integrin (Cg $\beta$ <sup>2</sup> V) enhances RGD-binding and phagocytic capabilities of hemocytes in <i>Crassostrea gigas</i> . <i>Fish and Shellfish Immunology</i> , 2019, 87, 638-649.                     | 1.6 | 27        |
| 32 | 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.   | 1.0 | 24        |
| 33 | 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.                             | 1.6 | 31        |
| 34 | 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.   | 1.6 | 40        |
| 35 | 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.   | 1.0 | 28        |
| 36 | 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. | 1.0 | 9         |

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|----|--|-----|-----------|
| 37 | 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.   | 1.0 | 15        |
| 38 | 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.  | 1.0 | 12        |
| 39 | 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.  | 1.0 | 29        |
| 40 | 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.  | 1.6 | 17        |
| 41 | The Neuroendocrine-Immune Regulation in Response to Environmental Stress in Marine Bivalves. <i>Frontiers in Physiology</i> , 2018, 9, 1456.   | 1.3 | 47        |
| 42 | 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.  | 1.6 | 15        |
| 43 | Dopamine and Serotonin Modulate Free Amino Acids Production and Na <sup>+</sup> /K <sup>+</sup> Pump Activity in Chinese Mitten Crab <i>Eriocheir sinensis</i> Under Acute Salinity Stress. <i>Frontiers in Physiology</i> , 2018, 9, 1080.        | 1.3 | 15        |
| 44 | The Cholinergic and Adrenergic Autocrine Signaling Pathway Mediates Immunomodulation in Oyster <i>Crassostrea gigas</i> . <i>Frontiers in Immunology</i> , 2018, 9, 284.   | 2.2 | 40        |
| 45 | 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.  | 1.0 | 6         |
| 46 | 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.   | 1.6 | 25        |
| 47 | 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. | 1.0 | 21        |
| 48 | A norepinephrine-responsive miRNA directly promotes CgHSP90AA1 expression in oyster haemocytes during desiccation. <i>Fish and Shellfish Immunology</i> , 2017, 64, 297-307.   | 1.6 | 19        |
| 49 | Soluble adenylyl cyclase mediates mitochondrial pathway of apoptosis and ATP metabolism in oyster <i>Crassostrea gigas</i> exposed to elevated CO <sub>2</sub> . <i>Fish and Shellfish Immunology</i> , 2017, 66, 140-147.                         | 1.6 | 16        |
| 50 | 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.   | 1.0 | 19        |
| 51 | 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.               | 1.0 | 18        |
| 52 | A GTP-dependent Phosphoenolpyruvate Carboxykinase from <i>Crassostrea gigas</i> Involved in Immune Recognition. <i>Developmental and Comparative Immunology</i> , 2017, 77, 318-329.   | 1.0 | 19        |
| 53 | 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.  | 1.0 | 41        |
| 54 | The neuroendocrine immunomodulatory axis-like pathway mediated by circulating haemocytes in pacific oyster <i>Crassostrea gigas</i> . <i>Open Biology</i> , 2017, 7, 160289.   | 1.5 | 38        |

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|----|---|-----|-----------|
| 55 | The granulocytes are the main immunocompetent hemocytes in <i>Crassostrea gigas</i> . <i>Developmental and Comparative Immunology</i> , 2017, 67, 221-228.  | 1.0 | 108       |
| 56 | The inhibitory role of $\gamma$ -aminobutyric acid (GABA) on immunomodulation of Pacific oyster <i>Crassostrea gigas</i> . <i>Fish and Shellfish Immunology</i> , 2016, 52, 16-22.                                      | 1.6 | 34        |
| 57 | 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.   | 1.0 | 31        |
| 58 | 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.                         | 1.6 | 22        |
| 59 | Transcriptional activation and translocation of ancient NOS during immune response. <i>FASEB Journal</i> , 2016, 30, 3527-3540.   | 0.2 | 30        |
| 60 | The simple neuroendocrine-immune regulatory network in oyster <i>Crassostrea gigas</i> mediates complex functions. <i>Scientific Reports</i> , 2016, 6, 26396.  | 1.6 | 52        |
| 61 | 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. | 1.0 | 15        |
| 62 | 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.                              | 1.2 | 34        |
| 63 | 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.                                | 1.0 | 35        |
| 64 | 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.       | 1.6 | 34        |