

Mengqiang Wang

List of Publications by Year in descending order

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3,056
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159585

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197818

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104
all docs

104
docs citations

104
times ranked

2140
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization and function analysis of a Kazal-type serine proteinase inhibitor in the red claw crayfish <i>Cherax quadricarinatus</i> . <i>Developmental and Comparative Immunology</i> , 2021, 114, 103871.	2.3	2
2	Characterization and transcriptional analysis of one carbonic anhydrase gene in the green-tide-forming alga <i>Ulva prolifera</i> (Ulvophyceae, Chlorophyta). <i>Phycological Research</i> , 2020, 68, 90-97.	1.6	5
3	A comparative transcriptomic analysis in late embryogenesis of the red claw crayfish <i>Cherax quadricarinatus</i> . <i>Molecular Genetics and Genomics</i> , 2020, 295, 299-311.	2.1	9
4	Comparative transcriptome analysis reveals the potential influencing mechanism of dietary astaxanthin on growth and metabolism in <i>Litopenaeus vannamei</i> . <i>Aquaculture Reports</i> , 2020, 16, 100259.	1.7	17
5	Identification and Profiling of MicroRNAs During Embryogenesis in the Red Claw Crayfish <i>Cherax quadricarinatus</i> . <i>Frontiers in Physiology</i> , 2020, 11, 878.	2.8	4
6	A CD63 Homolog Specially Recruited to the Fungi-Contained Phagosomes Is Involved in the Cellular Immune Response of Oyster <i>Crassostrea gigas</i> . <i>Frontiers in Immunology</i> , 2020, 11, 1379.	4.8	3
7	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
8	Rapid detection of <i>Enterocytozoon hepatopenaei</i> in shrimp through an isothermal recombinase polymerase amplification assay. <i>Aquaculture</i> , 2020, 521, 734987.	3.5	16
9	Response of the <i>Litopenaeus vannamei</i> intestinal bacteria and antioxidant system to rearing density and exposure to <i>Vibrio paraheamolyticus</i> E1. <i>Journal of Invertebrate Pathology</i> , 2020, 170, 107326.	3.2	7
10	Molecular and functional characterization of <i>Raptor</i> in mTOR pathway from <i>Litopenaeus vannamei</i> . <i>Aquaculture Research</i> , 2020, 51, 2179-2189.	1.8	3
11	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
12	A global view of hepatopancreas and intestine reveals the potential influencing mechanism of aflatoxin B1 on nutrition and metabolism in <i>Litopenaeus vannamei</i> . <i>Aquaculture Nutrition</i> , 2019, 25, 1354-1366.	2.7	2
13	The effect of rearing density on immune responses of hepatopancreas and intestine in <i>Litopenaeus vannamei</i> against <i>Vibrio paraheamolyticus</i> E1 challenge. <i>Fish and Shellfish Immunology</i> , 2019, 93, 517-530.	3.6	6
14	The transcriptional response of the Pacific oyster <i>Crassostrea gigas</i> under simultaneous bacterial and heat stresses. <i>Developmental and Comparative Immunology</i> , 2019, 94, 1-10.	2.3	28
15	The influence of surface proteins on the probiotic effects of <i>Lactobacillus pentosus</i> HC-2 in the <i>Litopenaeus vannamei</i> hepatopancreas. <i>Fish and Shellfish Immunology</i> , 2019, 92, 119-124.	3.6	8
16	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
17	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
18	A preliminary attempt to explore the potential functions of a tetraspanin gene (MmTSPAN) in the innate immunity of hard clam <i>Meretrix meretrix</i> : Sequence features and expression profiles. <i>Fish and Shellfish Immunology</i> , 2019, 88, 135-141.	3.6	8

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19	Comparative transcriptome analysis reveals the different roles between hepatopancreas and intestine of <i>Litopenaeus vannamei</i> in immune response to aflatoxin B1 (AFB1) challenge. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2019, 222, 1-10.	2.6	23
20	Replacement of fishmeal by fermented soybean meal could enhance the growth performance but not significantly influence the intestinal microbiota of white shrimp <i>Litopenaeus vannamei</i> . Aquaculture, 2019, 504, 354-360.	3.5	50
21	Exploring the influence of the surface proteins on probiotic effects performed by <i>Lactobacillus pentosus</i> HC-2 using transcriptome analysis in <i>Litopenaeus vannamei</i> midgut. Fish and Shellfish Immunology, 2019, 87, 853-870.	3.6	16
22	Exploration of the influence of surface proteins on the probiotic activity of <i>Lactobacillus pentosus</i> HC-2 in the <i>Litopenaeus vannamei</i> midgut via label-free quantitative proteomic analysis. Fish and Shellfish Immunology, 2019, 95, 368-382.	3.6	7
23	A novel LRR-only protein mediates bacterial proliferation in hemolymph through regulating expression of antimicrobial peptides in mollusk <i>Chlamys farreri</i> . Developmental and Comparative Immunology, 2019, 92, 223-229.	2.3	10
24	Comparative study of β -thymosin in two scallop species <i>Argopecten irradians</i> and <i>Chlamys farreri</i> . Fish and Shellfish Immunology, 2019, 86, 516-524.	3.6	6
25	The transcriptomic expression of pattern recognition receptors: Insight into molecular recognition of various invading pathogens in Oyster <i>Crassostrea gigas</i> . Developmental and Comparative Immunology, 2019, 91, 1-7.	2.3	41
26	Transcriptomic analysis of exosomal shuttle mRNA in Pacific oyster <i>Crassostrea gigas</i> during bacterial stimulation. Fish and Shellfish Immunology, 2018, 74, 540-550.	3.6	18
27	Mechanistic target of rapamycin inhibition with rapamycin induces autophagy and correlative regulation in white shrimp (<i>Litopenaeus vannamei</i>). Aquaculture Nutrition, 2018, 24, 1509-1520.	2.7	12
28	A Prokineticin (PK)-like cytokine from Chinese mitten crab <i>Eriocheir sinensis</i> promotes the production of hemocytes via reactive oxygen species. Fish and Shellfish Immunology, 2018, 77, 419-428.	3.6	19
29	Identification of a clip domain serine proteinase involved in immune defense in Chinese mitten crab <i>Eriocheir sinensis</i> . Fish and Shellfish Immunology, 2018, 74, 332-340.	3.6	23
30	The various components implied the diversified Toll-like receptor (TLR) signaling pathway in mollusk <i>Chlamys farreri</i> . Fish and Shellfish Immunology, 2018, 74, 205-212.	3.6	30
31	Transcriptome sequencing reveals the involvement of reactive oxygen species in the hematopoiesis from Chinese mitten crab <i>Eriocheir sinensis</i> . Developmental and Comparative Immunology, 2018, 82, 94-103.	2.3	17
32	CgNrpd1, a conserved negative regulating factor of MyD88-dependent Toll like receptor signaling in oyster <i>Crassostrea gigas</i> . Fish and Shellfish Immunology, 2018, 74, 386-392.	3.6	3
33	Comparative study of three C1q domain containing proteins from pacific oyster <i>Crassostrea gigas</i> . Developmental and Comparative Immunology, 2018, 78, 42-51.	2.3	29
34	Analysis of the expression of metabolism-related genes and histopathology of the hepatopancreas of white shrimp <i>Litopenaeus vannamei</i> fed with aflatoxin B1. Aquaculture, 2018, 485, 191-196.	3.5	22
35	A mitochondrial manganese superoxide dismutase involved in innate immunity is essential for the survival of <i>Chlamys farreri</i> . Fish and Shellfish Immunology, 2018, 72, 282-290.	3.6	16
36	Aflatoxin B1 (AFB1) induced dysregulation of intestinal microbiota and damage of antioxidant system in pacific white shrimp (<i>Litopenaeus vannamei</i>). Aquaculture, 2018, 495, 940-947.	3.5	62

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37	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
38	The ethanol extract of honeysuckle stem modulates the innate immunity of Chinese mitten crab <i>Eriocheir sinensis</i> against <i>Aeromonas hydrophila</i> . <i>Fish and Shellfish Immunology</i> , 2018, 82, 304-311.	3.6	9
39	Crustacean hyperglycemic hormones directly modulate the immune response of hemocytes in shrimp <i>Litopenaeus vannamei</i> . <i>Fish and Shellfish Immunology</i> , 2017, 62, 164-174.	3.6	44
40	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
41	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
42	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
43	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
44	Transcriptome, antioxidant enzyme activity and histopathology analysis of hepatopancreas from the white shrimp <i>Litopenaeus vannamei</i> fed with aflatoxin B1 (AFB1). <i>Developmental and Comparative Immunology</i> , 2017, 74, 69-81.	2.3	62
45	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
46	Two novel LRR and Ig domain-containing proteins from oyster <i>Crassostrea gigas</i> function as pattern recognition receptors and induce expression of cytokines. <i>Fish and Shellfish Immunology</i> , 2017, 70, 308-318.	3.6	13
47	Transcriptomic and morphological analyses of <i>Litopenaeus vannamei</i> intestinal barrier in response to <i>Vibrio parahaemolyticus</i> infection reveals immune response signatures and structural disruption. <i>Fish and Shellfish Immunology</i> , 2017, 70, 437-450.	3.6	47
48	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
49	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
50	Evaluation of biofloc meal as an ingredient in diets for white shrimp <i>Litopenaeus vannamei</i> under practical conditions: Effect on growth performance, digestive enzymes and TOR signaling pathway. <i>Aquaculture</i> , 2017, 479, 516-521.	3.5	48
51	Draft Genome Sequences of <i>Pseudoalteromonas telluritireducens</i> DSM 16098 and <i>P.Âspiralis</i> DSM 16099 Isolated from the Hydrothermal Vents of the Juan de Fuca Ridge. <i>Genome Announcements</i> , 2016, 4, .	0.8	1
52	A novel siglec (CgSiglec-1) from the Pacific oyster (<i>Crassostrea gigas</i>) with broad recognition spectrum and inhibitory activity to apoptosis, phagocytosis and cytokine release. <i>Developmental and Comparative Immunology</i> , 2016, 61, 136-144.	2.3	20
53	Ammonia exposure induces oxidative stress, endoplasmic reticulum stress and apoptosis in hepatopancreas of pacific white shrimp (<i>Litopenaeus vannamei</i>). <i>Fish and Shellfish Immunology</i> , 2016, 54, 523-528.	3.6	195
54	A galectin from <i>Eriocheir sinensis</i> functions as pattern recognition receptor enhancing microbe agglutination and haemocytes encapsulation. <i>Fish and Shellfish Immunology</i> , 2016, 55, 10-20.	3.6	45

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55	cDNA cloning, characterization and mRNA expression of <i>Crustacean</i> cryptocyanin from the Chinese mitten crab, <i>Eriocheir sinensis</i> H. Milne Edwards, 1853. <i>Crustaceana</i> , 2016, 89, 273-290.	0.3	4
56	Draft Genome Sequence of <i>Alcanivorax</i> sp. Strain KX64203 Isolated from Deep-Sea Sediments of Iheya North, Okinawa Trough. <i>Genome Announcements</i> , 2016, 4, .	0.8	0
57	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
58	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
59	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
60	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
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.	2.3	15
62	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
63	The categorization and mutual modulation of expanded MyD88s in <i>Crassostrea gigas</i> . <i>Fish and Shellfish Immunology</i> , 2016, 54, 118-127.	3.6	12
64	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
65	An LRR-only protein representing a new type of pattern recognition receptor in <i>Chlamys farreri</i> . <i>Developmental and Comparative Immunology</i> , 2016, 54, 145-155.	2.3	31
66	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
67	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
68	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
69	The broad pattern recognition spectrum of the Toll-like receptor in mollusk Zhikong scallop <i>Chlamys farreri</i> . <i>Developmental and Comparative Immunology</i> , 2015, 52, 192-201.	2.3	54
70	The immune system and its modulation mechanism in scallop. <i>Fish and Shellfish Immunology</i> , 2015, 46, 65-78.	3.6	174
71	Molecular cloning and characterization of a cytoplasmic manganese superoxide dismutase and a mitochondrial manganese superoxide dismutase from Chinese mitten crab <i>Eriocheir sinensis</i> . <i>Fish and Shellfish Immunology</i> , 2015, 47, 407-417.	3.6	22
72	The immunomodulation of nicotinic acetylcholine receptor subunits in Zhikong scallop <i>Chlamys farreri</i> . <i>Fish and Shellfish Immunology</i> , 2015, 47, 611-622.	3.6	24

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73	The comparative proteomics analysis revealed the modulation of inducible nitric oxide on the immune response of scallop <i>Chlamys farreri</i> . <i>Fish and Shellfish Immunology</i> , 2014, 40, 584-594.	3.6	8
74	A conserved zinc finger transcription factor GATA involving in the hemocyte production of scallop <i>Chlamys farreri</i> . <i>Fish and Shellfish Immunology</i> , 2014, 39, 125-135.	3.6	21
75	A high mobility group box 1 (HMGB1) gene from <i>Chlamys farreri</i> and the DNA-binding ability and pro-inflammatory activity of its recombinant protein. <i>Fish and Shellfish Immunology</i> , 2014, 36, 393-400.	3.6	26
76	The immune responses triggered by CpG ODNs in shrimp <i>Litopenaeus vannamei</i> are associated with <i>LvTolls</i> . <i>Developmental and Comparative Immunology</i> , 2014, 43, 15-22.	2.3	28
77	The modulation of catecholamines on immune response of scallop <i>Chlamys farreri</i> under heat stress. <i>General and Comparative Endocrinology</i> , 2014, 195, 116-124.	1.8	19
78	The promotion of cytoskeleton integration and redox in the haemocyte of shrimp <i>Litopenaeus vannamei</i> after the successive stimulation of recombinant VP28. <i>Developmental and Comparative Immunology</i> , 2014, 45, 123-132.	2.3	12
79	Modulation of haemocyte phagocytic and antibacterial activity by alpha-adrenergic receptor in scallop <i>Chlamys farreri</i> . <i>Fish and Shellfish Immunology</i> , 2013, 35, 825-832.	3.6	30
80	A novel C-type lectin from crab <i>Eriocheir sinensis</i> functions as pattern recognition receptor enhancing cellular encapsulation. <i>Fish and Shellfish Immunology</i> , 2013, 34, 832-842.	3.6	83
81	An opioid growth factor receptor (OGFR) for [Met5]-enkephalin in <i>Chlamys farreri</i> . <i>Fish and Shellfish Immunology</i> , 2013, 34, 1228-1235.	3.6	25
82	The expression of immune-related genes during the ontogenesis of scallop <i>Chlamys farreri</i> and their response to bacterial challenge. <i>Fish and Shellfish Immunology</i> , 2013, 34, 855-864.	3.6	32
83	The increased transcriptional response and translocation of a Rel/NF- κ B homologue in scallop <i>Chlamys farreri</i> during the immune stimulation. <i>Fish and Shellfish Immunology</i> , 2013, 34, 1209-1215.	3.6	29
84	Maternal transfer of immunity in scallop <i>Chlamys farreri</i> and its trans-generational immune protection to offspring against bacterial challenge. <i>Developmental and Comparative Immunology</i> , 2013, 41, 569-577.	2.3	59
85	Immune response and energy metabolism of <i>Chlamys farreri</i> under <i>Vibrio anguillarum</i> challenge and high temperature exposure. <i>Fish and Shellfish Immunology</i> , 2012, 33, 1016-1026.	3.6	86
86	A scallop C-type lectin from <i>Argopecten irradians</i> (AiCTL5) with activities of lipopolysaccharide binding and Gram-negative bacteria agglutination. <i>Fish and Shellfish Immunology</i> , 2012, 32, 716-723.	3.6	25
87	The expression of dopa decarboxylase and dopamine beta hydroxylase and their responding to bacterial challenge during the ontogenesis of scallop <i>Chlamys farreri</i> . <i>Fish and Shellfish Immunology</i> , 2012, 33, 67-74.	3.6	39
88	An iodothyronine deiodinase from <i>Chlamys farreri</i> and its induced mRNA expression after LPS stimulation. <i>Fish and Shellfish Immunology</i> , 2012, 33, 286-293.	3.6	26
89	The phenoloxidase activity and antibacterial function of a tyrosinase from scallop <i>Chlamys farreri</i> . <i>Fish and Shellfish Immunology</i> , 2012, 33, 375-381.	3.6	45
90	A novel C1qDC protein acting as pattern recognition receptor in scallop <i>Argopecten irradians</i> . <i>Fish and Shellfish Immunology</i> , 2012, 33, 427-435.	3.6	61

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91	The Immunomodulation of Acetylcholinesterase in Zhikong Scallop <i>Chlamys farreri</i> . PLoS ONE, 2012, 7, e30828.	2.5	24
92	A novel scavenger receptor-cysteine-rich (SRCR) domain containing scavenger receptor identified from mollusk mediated PAMP recognition and binding. Developmental and Comparative Immunology, 2011, 35, 227-239.	2.3	54
93	A primitive Toll-like receptor signaling pathway in mollusk Zhikong scallop <i>Chlamys farreri</i> . Developmental and Comparative Immunology, 2011, 35, 511-520.	2.3	144
94	A dopamine beta hydroxylase from <i>Chlamys farreri</i> and its induced mRNA expression in the haemocytes after LPS stimulation. Fish and Shellfish Immunology, 2011, 30, 154-162.	3.6	26
95	Scallop phenylalanine hydroxylase implicates in immune response and can be induced by human TNF- α . Fish and Shellfish Immunology, 2011, 31, 856-863.	3.6	10
96	The modulation of catecholamines to the immune response against bacteria <i>Vibrio anguillarum</i> challenge in scallop <i>Chlamys farreri</i> . Fish and Shellfish Immunology, 2011, 31, 1065-1071.	3.6	67
97	A Dopa Decarboxylase Modulating the Immune Response of Scallop <i>Chlamys farreri</i> . PLoS ONE, 2011, 6, e18596.	2.5	22
98	Bacterial diversity, composition and temporal-spatial variation in the sediment of Jiaozhou Bay, China. Chinese Journal of Oceanology and Limnology, 2011, 29, 576-590.	0.7	4
99	A monoamine oxidase from scallop <i>Chlamys farreri</i> serving as an immunomodulator in response against bacterial challenge. Developmental and Comparative Immunology, 2011, 35, 799-807.	2.3	12
100	Identification and characterization of a Cystatin gene from Chinese mitten crab <i>Eriocheir sinensis</i> . Fish and Shellfish Immunology, 2010, 29, 521-529.	3.6	28
101	Protective immunity induced by CpG ODNs against white spot syndrome virus (WSSV) via intermediation of virus replication indirectly in <i>Litopenaeus vannamei</i> . Developmental and Comparative Immunology, 2010, 34, 418-424.	2.3	30
102	Cloning and analysis of calmodulin gene from <i>Porphyra yezoensis</i> Ueda (Bangiales, Rhodophyta). Journal of Ocean University of China, 2009, 8, 247-253.	1.2	6
103	The construction of a cDNA library enriched for immune genes and the analysis of 7535 ESTs from Chinese mitten crab <i>Eriocheir sinensis</i> . Fish and Shellfish Immunology, 2009, 27, 684-694.	3.6	52
104	In Silico screening for microsatellite markers from expressed sequence tags of <i>Porphyra yezoensis</i> (Bangiales, Rhodophyta). Journal of Ocean University of China, 2007, 6, 161-166.	1.2	7