Xiao-Fan Zhao

List of Publications by Citations

182 papers	5,097 citations	41 h-index	58 g-index
186 ext. papers	5,836 ext. citations	4.1 avg, IF	5.69 L-index

#	Paper	IF	Citations
182	A hepatopancreas-specific C-type lectin from the Chinese shrimp Fenneropenaeus chinensis exhibits antimicrobial activity. *Molecular Immunology*, **2008**, 45, 348-61	4.3	160
181	A novel C-type lectin (FcLec4) facilitates the clearance of Vibrio anguillarum in vivo in Chinese white shrimp. *Developmental and Comparative Immunology*, **2009**, 33, 1039-47	3.2	136
180	A novel C-type lectin with two CRD domains from Chinese shrimp Fenneropenaeus chinensis functions as a pattern recognition protein. *Molecular Immunology*, **2009**, 46, 1626-37	4.3	129
179	Molecular cloning and characterization of a lipopolysaccharide and beta-1,3-glucan binding protein from fleshy prawn (Fenneropenaeus chinensis). *Molecular Immunology*, **2007**, 44, 1085-94	4.3	122
178	A shrimp C-type lectin inhibits proliferation of the hemolymph microbiota by maintaining the expression of antimicrobial peptides. *Journal of Biological Chemistry*, **2014**, 289, 11779-11790	5.4	104
177	C-type lectin binds to β integrin to promote hemocytic phagocytosis in an invertebrate. *Journal of Biological Chemistry*, **2014**, 289, 2405-14	5.4	97
176	A C-type lectin is involved in the innate immune response of Chinese white shrimp. *Fish and Shellfish Immunology*, **2009**, 27, 556-62	4.3	92
175	Identification and molecular characterization of a peritrophin-like protein from fleshy prawn (Fenneropenaeus chinensis). *Molecular Immunology*, **2006**, 43, 1633-44	4.3	77
174	High level expression, purification, and characterization of the shrimp antimicrobial peptide, Ch-penaeidin, in Pichia pastoris. *Protein Expression and Purification*, **2005**, 39, 144-51	2	68
173	Expression of the Helicoverpa cathepsin B-like proteinase during embryonic development. *Archives of Insect Biochemistry and Physiology*, **2005**, 58, 39-46	2.3	68
172	Binding of a C-type lectin's coiled-coil domain to the Domeless receptor directly activates the JAK/STAT pathway in the shrimp immune response to bacterial infection. *PLoS Pathogens*, **2017**, 13, e1006626	7.6	65
171	Molecular cloning and characterization of the translationally controlled tumor protein from Fenneropenaeus chinensis. *Molecular Biology Reports*, **2009**, 36, 1683-93	2.8	64
170	Molecular cloning and expression analysis of chymotrypsin-like serine protease from the Chinese shrimp, Fenneropenaeus chinensis. *Fish and Shellfish Immunology*, **2008**, 25, 589-97	4.3	64
169	An anti-lipopolysaccharide factor from red swamp crayfish, Procambarus clarkii, exhibited antimicrobial activities in vitro and in vivo. *Fish and Shellfish Immunology*, **2011**, 30, 295-303	4.3	63
168	Purification and characterization of a cysteine proteinase from eggs of the cotton boll worm, Helicoverpa armigera. *Insect Biochemistry and Molecular Biology*, **1998**, 28, 259-264	4.5	63
167	Molecular cloning and expression analysis of Ch-penaeidin, an antimicrobial peptide from Chinese shrimp, Fenneropenaeus chinensis. *Fish and Shellfish Immunology*, **2004**, 16, 513-25	4.3	61
166	Identification and molecular characterization of a Spätzle-like protein from Chinese shrimp (Fenneropenaeus chinensis). *Fish and Shellfish Immunology*, **2009**, 27, 610-7	4.3	59

165	Molecular cloning and characterization of cecropin from the housefly (Musca domestica), and its expression in Escherichia coli. *Developmental and Comparative Immunology*, **2006**, 30, 249-57	3.2	58
164	A single whey acidic protein domain (SWD)-containing peptide from fleshy prawn with antimicrobial and proteinase inhibitory activities. *Aquaculture*, **2008**, 284, 246-259	4.4	55
163	Establishment of a new cell line from lepidopteran epidermis and hormonal regulation on the genes. *PLoS ONE*, **2008**, 3, e3127	3.7	55
162	Collaboration between a soluble C-type lectin and calreticulin facilitates white spot syndrome virus infection in shrimp. *Journal of Immunology*, **2014**, 193, 2106-17	5.3	54
161	Clip domain serine protease and its homolog respond to Vibrio challenge in Chinese white shrimp, Fenneropenaeus chinensis. *Fish and Shellfish Immunology*, **2009**, 26, 787-98	4.3	51
160	A new C-type lectin (FcLec5) from the Chinese white shrimp Fenneropenaeus chinensis. *Amino Acids* , **2010**, 39, 1227-39	3.5	49
159	C-type lectin from red swamp crayfish Procambarus clarkii participates in cellular immune response. *Archives of Insect Biochemistry and Physiology*, **2011**, 76, 168-84	2.3	48
158	Comparative proteomic profiles of the hepatopancreas in Fenneropenaeus chinensis response to white spot syndrome virus. *Fish and Shellfish Immunology*, **2010**, 29, 480-6	4.3	48
157	Activation of Toll Pathway Is Different between Kuruma Shrimp and. *Frontiers in Immunology*, **2017**, 8, 1151	8.4	47
156	Immune responses of Helicoverpa armigera to different kinds of pathogens. *BMC Immunology*, **2010**, 11, 9	3.7	47
155	Characterization and expression of a new subfamily member of penaeidin antimicrobial peptides (penaeidin 5) from Fenneropenaeus chinensis. *Molecular Immunology*, **2007**, 44, 1535-43	4.3	47
154	Molecular cloning and characterization of the cathepsin B-like proteinase from the cotton boll worm, Helicoverpa armigera. *Insect Molecular Biology*, **2002**, 11, 567-75	3.4	47
153	Characterization of a C-type lectin from the cotton bollworm, Helicoverpa armigera. *Developmental and Comparative Immunology*, **2009**, 33, 772-9	3.2	46
152	Two novel C-type lectins with a low-density lipoprotein receptor class A domain have antiviral function in the shrimp Marsupenaeus japonicus. *Developmental and Comparative Immunology*, **2014**, 42, 323-32	3.2	44
151	A galectin from the kuruma shrimp (Marsupenaeus japonicus) functions as an opsonin and promotes bacterial clearance from hemolymph. *PLoS ONE*, **2014**, 9, e91794	3.7	44
150	A cathepsin L-like proteinase is involved in moulting and metamorphosis in Helicoverpa armigera. *Insect Molecular Biology*, **2010**, 19, 99-111	3.4	44
149	Molecular cloning and characterization of three crustins from the Chinese white shrimp, Fenneropenaeus chinensis. *Fish and Shellfish Immunology*, **2010**, 28, 517-24	4.3	44
148	Molecular cloning and characterization of a C-type lectin from the cotton bollworm, Helicoverpa armigera. *Developmental and Comparative Immunology*, **2008**, 32, 71-83	3.2	44

147	Scavenger receptor B protects shrimp from bacteria by enhancing phagocytosis and regulating expression of antimicrobial peptides. *Developmental and Comparative Immunology*, **2015**, 51, 10-21	3.2	43
146	The multigene family of the tobacco hornworm V-ATPase: novel subunits a, C, D, H, and putative isoforms. *Biochimica Et Biophysica Acta - Biomembranes*, **2000**, 1467, 369-79	3.8	42
145	Arrestins Negatively Regulate the Toll Pathway in Shrimp by Preventing Dorsal Translocation and Inhibiting Dorsal Transcriptional Activity. *Journal of Biological Chemistry*, **2016**, 291, 7488-504	5.4	42
144	A new group of anti-lipopolysaccharide factors from Marsupenaeus japonicus functions in antibacterial response. *Developmental and Comparative Immunology*, **2015**, 48, 33-42	3.2	41
143	Characterization of an immune deficiency homolog (IMD) in shrimp (Fenneropenaeus chinensis) and crayfish (Procambarus clarkii). *Developmental and Comparative Immunology*, **2013**, 41, 608-17	3.2	41
142	Phospholipase C connects the cell membrane pathway to the nuclear receptor pathway in insect steroid hormone signaling. *Journal of Biological Chemistry*, **2014**, 289, 13026-41	5.4	41
141	Scavenger Receptor C Mediates Phagocytosis of White Spot Syndrome Virus and Restricts Virus Proliferation in Shrimp. *PLoS Pathogens*, **2016**, 12, e1006127	7.6	41
140	TRBP homolog interacts with eukaryotic initiation factor 6 (eIF6) in Fenneropenaeus chinensis. *Journal of Immunology*, **2009**, 182, 5250-8	5.3	40
139	A double WAP domain (DWD)-containing protein with proteinase inhibitory activity in Chinese white shrimp, Fenneropenaeus chinensis. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2009**, 154, 203-10	2.3	40
138	A novel crustin from Marsupenaeus japonicus promotes hemocyte phagocytosis. *Developmental and Comparative Immunology*, **2015**, 49, 313-22	3.2	39
137	Characterization of a C-type lectin (PcLec2) as an upstream detector in the prophenoloxidase activating system of red swamp crayfish. *Fish and Shellfish Immunology*, **2011**, 30, 241-7	4.3	39
136	Prohibitin Interacts with envelope proteins of white spot syndrome virus and prevents infection in the red swamp crayfish, Procambarus clarkii. *Journal of Virology*, **2013**, 87, 12756-65	6.6	38
135	A novel protein with a fibrinogen-like domain involved in the innate immune response of Marsupenaeus japonicus. *Fish and Shellfish Immunology*, **2012**, 32, 307-15	4.3	37
134	Functional analysis of two invertebrate-type lysozymes from red swamp crayfish, Procambarus clarkii. *Fish and Shellfish Immunology*, **2010**, 29, 1066-72	4.3	37
133	TRBP and eIF6 homologue in Marsupenaeus japonicus play crucial roles in antiviral response. *PLoS ONE*, **2012**, 7, e30057	3.7	35
132	A selenium-dependent glutathione peroxidase (Se-GPx) and two glutathione S-transferases (GSTs) from Chinese shrimp (Fenneropenaeus chinensis). *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2009**, 149, 613-23	3.2	35
131	The steroid hormone 20-hydroxyecdysone binds to dopamine receptor to repress lepidopteran insect feeding and promote pupation. *PLoS Genetics*, **2019**, 15, e1008331	6	34
130	A single WAP domain (SWD)-containing protein with antipathogenic relevance in red swamp crayfish, Procambarus clarkii. *Fish and Shellfish Immunology*, **2010**, 28, 134-42	4.3	34

129	A fibrinogen-related protein (FREP) is involved in the antibacterial immunity of Marsupenaeus japonicus. *Fish and Shellfish Immunology*, **2014**, 39, 296-304	4.3	33
128	Four crustins involved in antibacterial responses in Marsupenaeus japonicus. *Fish and Shellfish Immunology*, **2015**, 43, 387-95	4.3	33
127	Cathepsin B-like proteinase is involved in the decomposition of the adult fat body of Helicoverpa armigera. *Archives of Insect Biochemistry and Physiology*, **2006**, 62, 1-10	2.3	32
126	L-Type lectin from the kuruma shrimp Marsupenaeus japonicus promotes hemocyte phagocytosis. *Developmental and Comparative Immunology*, **2014**, 44, 397-405	3.2	31
125	Molecular cloning and expression analysis of signal transducer and activator of transcription (STAT) from the Chinese white shrimp Fenneropenaeus chinensis. *Molecular Biology Reports*, **2011**, 38, 5313-9	2.8	31
124	Hsc70 binds to ultraspiracle resulting in the upregulation of 20-hydroxyecdsone-responsive genes in Helicoverpa armigera. *Molecular and Cellular Endocrinology*, **2010**, 315, 282-91	4.4	31
123	A three-domain Kazal-type serine proteinase inhibitor exhibiting domain inhibitory and bacteriostatic activities from freshwater crayfish Procambarus clarkii. *Developmental and Comparative Immunology*, **2009**, 33, 1229-38	3.2	31
122	Identification of genes differentially expressed during larval molting and metamorphosis of Helicoverpa armigera. *BMC Developmental Biology*, **2007**, 7, 73	3.1	31
121	Molecular cloning and expression patterns of the molt-regulating transcription factor HHR3 from Helicoverpa armigera. *Insect Molecular Biology*, **2004**, 13, 407-12	3.4	31
120	Protein Inhibitor of Activated STAT (PIAS) Negatively Regulates the JAK/STAT Pathway by Inhibiting STAT Phosphorylation and Translocation. *Frontiers in Immunology*, **2018**, 9, 2392	8.4	31
119	20-Hydroxyecdysone activates Forkhead box O to promote proteolysis during Helicoverpa armigera molting. *Development (Cambridge)*, **2016**, 143, 1005-15	6.6	30
118	G-protein-coupled receptor participates in 20-hydroxyecdysone signaling on the plasma membrane. *Cell Communication and Signaling*, **2014**, 12, 9	7.5	30
117	The hormone-dependent function of Hsp90 in the crosstalk between 20-hydroxyecdysone and juvenile hormone signaling pathways in insects is determined by differential phosphorylation and protein interactions. *Biochimica Et Biophysica Acta - General Subjects*, **2013**, 1830, 5184-92	4	30
116	Characterization, kinetics, and possible function of Kazal-type proteinase inhibitors of Chinese white shrimp, Fenneropenaeus chinensis. *Fish and Shellfish Immunology*, **2009**, 26, 885-97	4.3	30
115	Akirin interacts with Bap60 and 14-3-3 proteins to regulate the expression of antimicrobial peptides in the kuruma shrimp (Marsupenaeus japonicus). *Developmental and Comparative Immunology*, **2016**, 55, 80-9	3.2	29
114	Juvenile hormone prevents 20-hydroxyecdysone-induced metamorphosis by regulating the phosphorylation of a newly identified broad protein. *Journal of Biological Chemistry*, **2014**, 289, 26630-26641	5.4	29
113	Cysteine proteinase from the eggs of the silkmoth, Bombyx mori: Site of synthesis and a suggested role in yolk protein degradation. *Journal of Insect Physiology*, **1994**, 40, 447-454	2.4	29
112	Enzyme E2 from Chinese white shrimp inhibits replication of white spot syndrome virus and ubiquitinates its RING domain proteins. *Journal of Virology*, **2011**, 85, 8069-79	6.6	28

111	Identification and expression profile of a putative basement membrane protein gene in the midgut of Helicoverpa armigera. *BMC Developmental Biology*, **2007**, 7, 76	3.1	28
110	Acid cysteine proteinase from the eggs of silkmoth, Bombyx mori: Tissue distribution, developmental changes and the sites of synthesis for the enzyme. *Insect Biochemistry and Molecular Biology*, **1992**, 22, 369-377	4.5	28
109	The polymeric immunoglobulin receptor-like protein from Marsupenaeus japonicus is a receptor for white spot syndrome virus infection. *PLoS Pathogens*, **2019**, 15, e1007558	7.6	27
108	Catalase eliminates reactive oxygen species and influences the intestinal microbiota of shrimp. *Fish and Shellfish Immunology*, **2015**, 47, 63-73	4.3	27
107	The steroid hormone 20-hydroxyecdysone promotes switching from autophagy to apoptosis by increasing intracellular calcium levels. *Insect Biochemistry and Molecular Biology*, **2016**, 79, 73-86	4.5	27
106	A new type antimicrobial peptide astacidin functions in antibacterial immune response in red swamp crayfish Procambarus clarkii. *Developmental and Comparative Immunology*, **2014**, 43, 121-8	3.2	27
105	Two cysteine proteinases respond to bacterial and WSSV challenge in Chinese white shrimp Fenneropenaeus chinensis. *Fish and Shellfish Immunology*, **2010**, 29, 551-6	4.3	27
104	Molecular cloning and characterization of Hearm caspase-1 from Helicoverpa armigera. *Molecular Biology Reports*, **2008**, 35, 405-12	2.8	27
103	A new subfamily of penaeidin with an additional serine-rich region from kuruma shrimp (Marsupenaeus japonicus) contributes to antimicrobial and phagocytic activities. *Developmental and Comparative Immunology*, **2016**, 59, 186-98	3.2	26
102	Characterization and influences of classical insect hormones on the expression profiles of a molting carboxypeptidase A from the cotton bollworm (Helicoverpa armigera). *Insect Molecular Biology*, **2009**, 18, 353-63	3.4	26
101	Expression of four trypsin-like serine proteases from the Chinese shrimp, Fenneropenaeus chinensis, as regulated by pathogenic infection. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2009**, 153, 54-60	2.3	26
100	Function of nuclear transport factor 2 and Ran in the 20E signal transduction pathway in the cotton bollworm, Helicoverpa armigera. *BMC Cell Biology*, **2010**, 11, 1		26
99	Three Kazal-type serine proteinase inhibitors from the red swamp crayfish Procambarus clarkii and the characterization, function analysis of hcPcSPI2. *Fish and Shellfish Immunology*, **2010**, 28, 942-51	4.3	25
98	Characterization of the trypsin-like protease (Ha-TLP2) constitutively expressed in the integument of the cotton bollworm, Helicoverpa armigera. *Archives of Insect Biochemistry and Physiology*, **2009**, 72, 74-87	2.3	25
97	An acyl-CoA-binding protein (FcACBP) and a fatty acid binding protein (FcFABP) respond to microbial infection in Chinese white shrimp, Fenneropenaeus chinensis. *Fish and Shellfish Immunology*, **2009**, 27, 739-47	4.3	25
96	In a nongenomic action, steroid hormone 20-hydroxyecdysone induces phosphorylation of cyclin-dependent kinase 10 to promote gene transcription. *Endocrinology*, **2014**, 155, 1738-50	4.8	24
95	Antibacterial activity of serine protease inhibitor 1 from kuruma shrimp Marsupenaeus japonicus. *Developmental and Comparative Immunology*, **2014**, 44, 261-9	3.2	24
94	Molecular cloning and characterization of Fc-TSP from the Chinese shrimp Fennerpenaeus chinensis. *Molecular Immunology*, **2006**, 43, 1202-10	4.3	24

93	Characterization of a type-I crustin with broad-spectrum antimicrobial activity from red swamp crayfish Procambarus clarkii. *Developmental and Comparative Immunology*, **2016**, 61, 145-53	3.2	23
92	The participation of calponin in the cross talk between 20-hydroxyecdysone and juvenile hormone signaling pathways by phosphorylation variation. *PLoS ONE*, **2011**, 6, e19776	3.7	23
91	Upregulation of the expression of prodeath serine/threonine protein kinase for programmed cell death by steroid hormone 20-hydroxyecdysone. *Apoptosis: an International Journal on Programmed Cell Death*, **2013**, 18, 171-87	5.4	22
90	BAX inhibitor-1 silencing suppresses white spot syndrome virus replication in red swamp crayfish, Procambarus clarkii. *Fish and Shellfish Immunology*, **2013**, 35, 46-53	4.3	22
89	Bombyx acid cysteine proteinase. *Invertebrate Reproduction and Development*, **1996**, 30, 265-281	0.7	22
88	A novel pathogen-binding gC1qR homolog, FcgC1qR, in the Chinese white shrimp, Fenneropenaeus chinensis. *Developmental and Comparative Immunology*, **2012**, 36, 400-7	3.2	21
87	A vector that expresses VP28 of WSSV can protect red swamp crayfish from white spot disease. *Developmental and Comparative Immunology*, **2012**, 36, 442-9	3.2	21
86	SUMO-conjugating enzyme E2 UBC9 mediates viral immediate-early protein SUMOylation in crayfish to facilitate reproduction of white spot syndrome virus. *Journal of Virology*, **2013**, 87, 636-47	6.6	21
85	Steroid hormone 20-hydroxyecdysone promotes higher calcium mobilization to induce apoptosis. *Cell Calcium*, **2016**, 60, 1-12	4	20
84	Dual oxidases participate in the regulation of intestinal microbiotic homeostasis in the kuruma shrimp Marsupenaeus japonicus. *Developmental and Comparative Immunology*, **2016**, 59, 153-63	3.2	20
83	Identification of differentially expressed proteins during larval molting of Helicoverpa armigera. *Journal of Proteome Research*, **2006**, 5, 164-9	5.6	20
82	The Steroid Hormone 20-Hydroxyecdysone Enhances Gene Transcription through the cAMP Response Element-binding Protein (CREB) Signaling Pathway. *Journal of Biological Chemistry*, **2016**, 291, 12771-12785	5.4	20
81	Thymosins participate in antiviral immunity of red swamp crayfish (Procambarus clarkii). *Developmental and Comparative Immunology*, **2015**, 51, 213-25	3.2	19
80	Methoprene-tolerant 1 regulates gene transcription to maintain insect larval status. *Journal of Molecular Endocrinology*, **2014**, 53, 93-104	4.5	19
79	Involvement of Fenneropenaeus chinensis Cathepsin C in antiviral immunity. *Fish and Shellfish Immunology*, **2012**, 33, 821-8	4.3	19
78	A thioredoxin response to the WSSV challenge on the Chinese white shrimp, Fenneropenaeus chinensis. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2010**, 151, 92-8	3.2	19
77	Calnexin functions in antibacterial immunity of Marsupenaeus japonicus. *Developmental and Comparative Immunology*, **2014**, 46, 356-63	3.2	18
76	Protein kinase C delta phosphorylates ecdysone receptor B1 to promote gene expression and apoptosis under 20-hydroxyecdysone regulation. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E7121-E7130	11.5	18

75	Small GTPase Rab4b participates in the gene transcription of 20-hydroxyecdysone and insulin pathways to regulate glycogen level and metamorphosis. *Developmental Biology*, **2012**, 371, 13-22	3.1	18
74	A single whey acidic protein domain containing protein (SWD) inhibits bacteria invasion and dissemination in shrimp Marsupenaeus japonicus. *Fish and Shellfish Immunology*, **2013**, 35, 310-8	4.3	17
73	G-protein-coupled receptor controls steroid hormone signaling in cell membrane. *Scientific Reports*, **2015**, 5, 8675	4.9	17
72	Participation of haemocytes in fat body degradation via cathepsin L expression. *Insect Molecular Biology*, **2012**, 21, 521-34	3.4	17
71	Adenylate kinase 2 (AK2) promotes cell proliferation in insect development. *BMC Molecular Biology*, **2012**, 13, 31	4.5	17
70	Overexpression of a C-type lectin enhances bacterial resistance in red swamp crayfish Procambarus clarkii. *Fish and Shellfish Immunology*, **2013**, 34, 1112-8	4.3	17
69	Expression and function of cathepsin B-like proteinase in larval hemocytes of Helicoverpa armigera during metamorphosis. *Archives of Insect Biochemistry and Physiology*, **2007**, 64, 164-74	2.3	17
68	Autophagy triggers CTSD (cathepsin D) maturation and localization inside cells to promote apoptosis. *Autophagy*, **2021**, 17, 1170-1192	10.2	17
67	Novel Pattern Recognition Receptor Protects Shrimp by Preventing Bacterial Colonization and Promoting Phagocytosis. *Journal of Immunology*, **2017**, 198, 3045-3057	5.3	16
66	Identification of three different types of serine proteases (one SP and two SPHs) in Chinese white shrimp. *Fish and Shellfish Immunology*, **2011**, 30, 456-66	4.3	16
65	Molecular characterization and expression analysis of a chicken-type lysozyme gene from housefly (Musca domestica). *Journal of Genetics and Genomics*, **2009**, 36, 7-16	4	16
64	Cloning and expression analysis of an o-methyltransferase (OMT) gene from Chinese shrimp, Fenneropenaeus chinensis. *Fish and Shellfish Immunology*, **2006**, 21, 284-92	4.3	16
63	A Lysin motif (LysM)-containing protein functions in antibacterial responses of red swamp crayfish, Procambarus clarkii. *Developmental and Comparative Immunology*, **2013**, 40, 311-9	3.2	15
62	The steroid hormone 20-hydroxyecdysone via nongenomic pathway activates Ca2+/calmodulin-dependent protein kinase II to regulate gene expression. *Journal of Biological Chemistry*, **2015**, 290, 8469-81	5.4	15
61	Proteomic identification of differentially expressed and phosphorylated proteins in epidermis involved in larval-pupal metamorphosis of Helicoverpa armigera. *BMC Genomics*, **2009**, 10, 600	4.5	15
60	Scavenger receptor C promotes bacterial clearance in kuruma shrimp Marsupenaeus japonicus by enhancing hemocyte phagocytosis and AMP expression. *Fish and Shellfish Immunology*, **2017**, 67, 254-262	4.3	14
59	Cyclin-dependent kinase regulatory subunit 1 promotes cell proliferation by insulin regulation. *Cell Cycle*, **2015**, 14, 3045-57	4.7	14
58	Mod(mdg4) participates in hormonally regulated midgut programmed cell death during metamorphosis. *Apoptosis: an International Journal on Programmed Cell Death*, **2012**, 17, 1327-39	5.4	14

57	Thymosin is upregulated by the steroid hormone 20-hydroxyecdysone and microorganisms. *Insect Molecular Biology*, **2011**, 20, 519-27	3.4	14
56	The Steroid Hormone 20-Hydroxyecdysone Up-regulates Ste-20 Family Serine/Threonine Kinase Hippo to Induce Programmed Cell Death. *Journal of Biological Chemistry*, **2015**, 290, 24738-46	5.4	13
55	G-protein q participates in the steroid hormone 20-hydroxyecdysone nongenomic signal transduction. *Journal of Steroid Biochemistry and Molecular Biology*, **2014**, 144 Pt B, 313-23	5.1	13
54	Rab32 and the remodeling of the imaginal midgut in Helicoverpa armigera. *Amino Acids*, **2011**, 40, 953-61	3.5	13
53	The steroid hormone 20-hydroxyecdysone upregulates calcium release-activated calcium channel modulator 1 expression to induce apoptosis in the midgut of Helicoverpa armigera. *Cell Calcium*, **2017**, 68, 24-33	4	11
52	Molecular cloning and characterization of a receptor for activated protein kinase C1 (RACK1) from Chinese white shrimp; Fenneropenaeus chinensis. *Developmental and Comparative Immunology*, **2011**, 35, 629-34	3.2	11
51	Molecular cloning and expression profiles of the acyl-CoA-binding protein gene from the cotton bollworm Helicoverpa armigera. *Archives of Insect Biochemistry and Physiology*, **2008**, 68, 79-88	2.3	11
50	Insulin and 20-hydroxyecdysone oppose each other in the regulation of phosphoinositide-dependent kinase-1 expression during insect pupation. *Journal of Biological Chemistry*, **2018**, 293, 18613-18623	5.4	11
49	A Small GTPase, RhoA, Inhibits Bacterial Infection Through Integrin Mediated Phagocytosis in Invertebrates. *Frontiers in Immunology*, **2018**, 9, 1928	8.4	11
48	Interaction of the Small GTPase Cdc42 with Arginine Kinase Restricts White Spot Syndrome Virus in Shrimp. *Journal of Virology*, **2017**, 91,	6.6	10
47	Involvement of a LysM and putative peptidoglycan-binding domain-containing protein in the antibacterial immune response of kuruma shrimp Marsupenaeus japonicus. *Fish and Shellfish Immunology*, **2016**, 54, 489-98	4.3	10
46	The knockdown of Ha-GRIM-19 by RNA interference induced programmed cell death. *Amino Acids*, **2012**, 42, 1297-307	3.5	10
45	Cloning and characterization of Rap GTPase from the Chinese white shrimp Fenneropenaeus chinensis. *Developmental and Comparative Immunology*, **2012**, 36, 247-52	3.2	10
44	Leucine-rich repeats containing protein functions in the antibacterial immune reaction in stomach of kuruma shrimp Marsupenaeus japonicus. *Fish and Shellfish Immunology*, **2017**, 61, 130-137	4.3	8
43	The Steroid Hormone 20-Hydroxyecdysone Promotes the Cytoplasmic Localization of Yorkie to Suppress Cell Proliferation and Induce Apoptosis. *Journal of Biological Chemistry*, **2016**, 291, 21761-21770	5.4	8
42	The Steroid Hormone 20-Hydroxyecdysone Regulates the Conjugation of Autophagy-Related Proteins 12 and 5 in a Concentration and Time-Dependent Manner to Promote Insect Midgut Programmed Cell Death. *Frontiers in Endocrinology*, **2018**, 9, 28	5.7	8
41	Chromosomal polymorphisms due to heterochromatin growth and pericentric inversions in white-bellied rat, Niviventer confucianus, from China. *Hereditas*, **2003**, 138, 59-64	2.4	8
40	The steroid hormone 20-hydroxyecdysone induces phosphorylation and aggregation of stromal interacting molecule 1 for store-operated calcium entry. *Journal of Biological Chemistry*, **2019**, 294, 14922-14936	5.4	7

39	Heat shock protein 90 maintains the stability and function of transcription factor Broad Z7 by interacting with its Broad-Complex-Tramtrack-Bric-a-brac domain. *Insect Molecular Biology*, **2014**, 23, 720-32	3.4	7
38	The steroid hormone 20-hydroxyecdysone upregulated the protein phosphatase 6 for the programmed cell death in the insect midgut. *Amino Acids*, **2012**, 43, 963-71	3.5	7
37	Molecular cloning and expression pattern analysis of two novel disulfide isomerases in shrimp. *Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology*, **2011**, 153, 301-9	3.2	7
36	Construction of the recombinant baculovirus AcMNPV with cathepsin B-like proteinase and its insecticidal activity against Helicoverpa armigera. *Pesticide Biochemistry and Physiology*, **2008**, 91, 141-146	4.9	7
35	Efficacy of RH-2485, a new non-steroidal ecdysone agonist, against the cotton boll worm; Helicoverpa armigera (Lepidoptera: noctuidae) in the laboratory and field. *Crop Protection*, **2003**, 22, 959-965	2.7	7
34	Occurrence of a cathepsin B-like acid cysteine proteinase in the eggs of silkworm moth, Antheraea pernyi. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **1996**, 113, 95-103	2.3	7
33	Progress in understanding hormonal regulation during the postembryonic development of Helicoverpa armigera. *Journal of Integrative Agriculture*, **2020**, 19, 1417-1428	3.2	6
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