

# Michael R Kanost

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

173 papers	12,408 citations	62 h-index	108 g-index
190 ext. papers	13,766 ext. citations	4.3 avg, IF	6.32 L-index

#	Paper	IF	Citations
173	Biological mediators of insect immunity. <i>Annual Review of Entomology</i> , <b>1997</b> , 42, 611-43	21.8	1018
172	RNA interference in Lepidoptera: an overview of successful and unsuccessful studies and implications for experimental design. <i>Journal of Insect Physiology</i> , <b>2011</b> , 57, 231-45	2.4	588
171	Innate immune responses of a lepidopteran insect, <i>Manduca sexta</i> . <i>Immunological Reviews</i> , <b>2004</b> , 198, 97-105	11.3	519
170	Evolutionary dynamics of immune-related genes and pathways in disease-vector mosquitoes. <i>Science</i> , <b>2007</b> , 316, 1738-43	33.3	461
169	Serine proteinase inhibitors in arthropod immunity. <i>Developmental and Comparative Immunology</i> , <b>1999</b> , 23, 291-301	3.2	353
168	The clip-domain family of serine proteinases in arthropods. <i>Insect Biochemistry and Molecular Biology</i> , <b>2000</b> , 30, 95-105	4.5	298
167	Laccase 2 is the phenoloxidase gene required for beetle cuticle tanning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2005</b> , 102, 11337-42	11.5	279
166	Serine proteases and their homologs in the <i>Drosophila melanogaster</i> genome: an initial analysis of sequence conservation and phylogenetic relationships. <i>Gene</i> , <b>2003</b> , 304, 117-31	3.8	259
165	Insect Haemolymph Proteins. <i>Advances in Insect Physiology</i> , <b>1990</b> , 22, 299-396	2.5	255
164	Molecular structure of an apolipoprotein determined at 2.5-A resolution. <i>Biochemistry</i> , <b>1991</b> , 30, 603-8	3.2	251
163	Immulectin-2, a lipopolysaccharide-specific lectin from an insect, <i>Manduca sexta</i> , is induced in response to gram-negative bacteria. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 37373-81	5.4	214
162	Immulectin, an inducible C-type lectin from an insect, <i>Manduca sexta</i> , stimulates activation of plasma prophenol oxidase. <i>Insect Biochemistry and Molecular Biology</i> , <b>1999</b> , 29, 585-97	4.5	184
161	Nonproteolytic serine proteinase homologs are involved in prophenoloxidase activation in the tobacco hornworm, <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2003</b> , 33, 197-208	4.5	181
160	A beta1,3-glucan recognition protein from an insect, <i>Manduca sexta</i> , agglutinates microorganisms and activates the phenoloxidase cascade. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 7505-14	5.4	179
159	Immunity in lepidopteran insects. <i>Advances in Experimental Medicine and Biology</i> , <b>2010</b> , 708, 181-204	3.6	171
158	Oxidative conjugation of catechols with proteins in insect skeletal systems. <i>Tetrahedron</i> , <b>2001</b> , 57, 385-392	3.2	164
157	Prophenoloxidase-activating proteinase-3 (PAP-3) from <i>Manduca sexta</i> hemolymph: a clip-domain serine proteinase regulated by serpin-1J and serine proteinase homologs. <i>Insect Biochemistry and Molecular Biology</i> , <b>2003</b> , 33, 1049-60	4.5	163

156	Prophenoloxidase-activating proteinase-2 from hemolymph of <i>Manduca sexta</i> . A bacteria-inducible serine proteinase containing two clip domains. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 3552-61	5.4	158
155	Immulectin-2, a pattern recognition receptor that stimulates hemocyte encapsulation and melanization in the tobacco hornworm, <i>Manduca sexta</i> . <i>Developmental and Comparative Immunology</i> , <b>2004</b> , 28, 891-900	3.2	141
154	<i>Manduca sexta</i> serpin-3 regulates prophenoloxidase activation in response to infection by inhibiting prophenoloxidase-activating proteinases. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 46556-64	5.4	138
153	Characterization of cDNAs encoding putative laccase-like multicopper oxidases and developmental expression in the tobacco hornworm, <i>Manduca sexta</i> , and the malaria mosquito, <i>Anopheles gambiae</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2004</b> , 34, 29-41	4.5	138
152	Subunit composition of pro-phenol oxidase from <i>Manduca sexta</i> : molecular cloning of subunit ProPO-P1. <i>Insect Biochemistry and Molecular Biology</i> , <b>1997</b> , 27, 835-50	4.5	135
151	Molecular and functional analyses of amino acid decarboxylases involved in cuticle tanning in <i>Tribolium castaneum</i> . <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 16584-16594	5.4	129
150	Characterization of two chitin synthase genes of the red flour beetle, <i>Tribolium castaneum</i> , and alternate exon usage in one of the genes during development. <i>Insect Biochemistry and Molecular Biology</i> , <b>2004</b> , 34, 291-304	4.5	127
149	Comparative analysis of serine protease-related genes in the honey bee genome: possible involvement in embryonic development and innate immunity. <i>Insect Molecular Biology</i> , <b>2006</b> , 15, 603-14	3.4	125
148	The structure of a Michaelis serpin-protease complex. <i>Nature Structural Biology</i> , <b>2001</b> , 8, 979-83		125
147	Clip-domain serine proteases as immune factors in insect hemolymph. <i>Current Opinion in Insect Science</i> , <b>2015</b> , 11, 47-55	5.1	122
146	Characterization and functional analysis of 12 naturally occurring reactive site variants of serpin-1 from <i>Manduca sexta</i> . <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 1082-7	5.4	118
145	Functions of <i>Manduca sexta</i> hemolymph proteinases HP6 and HP8 in two innate immune pathways. <i>Journal of Biological Chemistry</i> , <b>2009</b> , 284, 19716-26	5.4	116
144	Multifaceted biological insights from a draft genome sequence of the tobacco hornworm moth, <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2016</b> , 76, 118-147	4.5	112
143	A Novel Serpin Expressed by Blood-Borne Microfilariae of the Parasitic Nematode <i>Brugia malayi</i> Inhibits Human Neutrophil Serine Proteinases. <i>Blood</i> , <b>1999</b> , 94, 1418-1428	2.2	104
142	Beta-1,3-glucan recognition protein-2 (betaGRP-2) from <i>Manduca sexta</i> ; an acute-phase protein that binds beta-1,3-glucan and lipoteichoic acid to aggregate fungi and bacteria and stimulate prophenoloxidase activation. <i>Insect Biochemistry and Molecular Biology</i> , <b>2004</b> , 34, 89-100	4.5	103
141	PHENOLOXIDASES IN INSECT IMMUNITY <b>2008</b> , 69-96		99
140	Identification of plasma proteases inhibited by <i>Manduca sexta</i> serpin-4 and serpin-5 and their association with components of the prophenol oxidase activation pathway. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 14932-42	5.4	99
139	Bacteria-induced protein P4 (hemolin) from <i>Manduca sexta</i> : a member of the immunoglobulin superfamily which can inhibit hemocyte aggregation. <i>Archives of Insect Biochemistry and Physiology</i> , <b>1991</b> , 18, 285-300	2.3	97

138	Manduca sexta serpin-4 and serpin-5 inhibit the prophenol oxidase activation pathway: cDNA cloning, protein expression, and characterization. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 14923-31	5.4	96
137	Manduca sexta lipopolysaccharide-specific immunectin-2 protects larvae from bacterial infection. <i>Developmental and Comparative Immunology</i> , <b>2003</b> , 27, 189-96	3.2	95
136	A hemocyte-specific integrin required for hemocytic encapsulation in the tobacco hornworm, Manduca sexta. <i>Insect Biochemistry and Molecular Biology</i> , <b>2005</b> , 35, 369-80	4.5	90
135	Insect multicopper oxidases: diversity, properties, and physiological roles. <i>Insect Biochemistry and Molecular Biology</i> , <b>2010</b> , 40, 179-88	4.5	88
134	Characterization of a regulatory unit that controls melanization and affects longevity of mosquitoes. <i>Cellular and Molecular Life Sciences</i> , <b>2011</b> , 68, 1929-39	10.3	85
133	Chitin synthase genes in Manduca sexta: characterization of a gut-specific transcript and differential tissue expression of alternately spliced mRNAs during development. <i>Insect Biochemistry and Molecular Biology</i> , <b>2005</b> , 35, 529-40	4.5	85
132	Binding of hemolin to bacterial lipopolysaccharide and lipoteichoic acid. An immunoglobulin superfamily member from insects as a pattern-recognition receptor. <i>FEBS Journal</i> , <b>2002</b> , 269, 1827-34		85
131	Manduca sexta hemolymph proteinase 21 activates prophenoloxidase-activating proteinase 3 in an insect innate immune response proteinase cascade. <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 11742-9	5.4	84
130	Characterization of tyrosine hydroxylase from Manduca sexta. <i>Insect Biochemistry and Molecular Biology</i> , <b>2007</b> , 37, 1327-37	4.5	84
129	Increased melanizing activity in Anopheles gambiae does not affect development of Plasmodium falciparum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 16858-63	11.5	83
128	Soluble peptidoglycan fragments stimulate antibacterial protein synthesis by fat body from larvae of Manduca sexta. <i>Developmental and Comparative Immunology</i> , <b>1985</b> , 9, 559-68	3.2	83
127	Model reactions for insect cuticle sclerotization: cross-linking of recombinant cuticular proteins upon their laccase-catalyzed oxidative conjugation with catechols. <i>Insect Biochemistry and Molecular Biology</i> , <b>2006</b> , 36, 353-65	4.5	81
126	Proteolytic activation and function of the cytokine Spätzle in the innate immune response of a lepidopteran insect, Manduca sexta. <i>FEBS Journal</i> , <b>2010</b> , 277, 148-62	5.7	79
125	Serpins in arthropod biology. <i>Seminars in Cell and Developmental Biology</i> , <b>2017</b> , 62, 105-119	7.5	77
124	Biological activity of Manduca sexta paralytic and plasmatocyte spreading peptide and primary structure of its hemolymph precursor. <i>Insect Biochemistry and Molecular Biology</i> , <b>1999</b> , 29, 1075-86	4.5	75
123	Overview of chitin metabolism enzymes in Manduca sexta: Identification, domain organization, phylogenetic analysis and gene expression. <i>Insect Biochemistry and Molecular Biology</i> , <b>2015</b> , 62, 114-26	4.5	72
122	Manduca sexta serpin-5 regulates prophenoloxidase activation and the Toll signaling pathway by inhibiting hemolymph proteinase HP6. <i>Insect Biochemistry and Molecular Biology</i> , <b>2010</b> , 40, 683-9	4.5	72
121	Organization of serpin gene-1 from Manduca sexta. Evolution of a family of alternate exons encoding the reactive site loop. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 28017-23	5.4	71

120	Protease inhibitors of <i>Manduca sexta</i> expressed in transgenic cotton. <i>Plant Cell Reports</i> , <b>1995</b> , 14, 758-63.	3.1	69
119	Effects of parasitism by the braconid wasp <i>Cotesia congregata</i> on host hemolymph proteins of the tobacco hornworm, <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>1993</b> , 23, 643-53	4.5	68
118	Molecular identification of a bevy of serine proteinases in <i>Manduca sexta</i> hemolymph. <i>Insect Biochemistry and Molecular Biology</i> , <b>2005</b> , 35, 931-43	4.5	66
117	Sequence of a cDNA and expression of the gene encoding a putative epidermal chitin synthase of <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2002</b> , 32, 1497-506	4.5	66
116	Hematopoietic organs of <i>Manduca sexta</i> and hemocyte lineages. <i>Development Genes and Evolution</i> , <b>2003</b> , 213, 477-91	1.8	65
115	Isolation and characterization of novel inducible serine protease inhibitors from larval hemolymph of the greater wax moth <i>Galleria mellonella</i> . <i>FEBS Journal</i> , <b>2000</b> , 267, 2046-53		64
114	Bacterial challenge stimulates innate immune responses in extra-embryonic tissues of tobacco hornworm eggs. <i>Insect Molecular Biology</i> , <b>2004</b> , 13, 19-24	3.4	63
113	Multiple alpha subunits of integrin are involved in cell-mediated responses of the <i>Manduca</i> immune system. <i>Developmental and Comparative Immunology</i> , <b>2008</b> , 32, 365-79	3.2	62
112	The structure of active serpin 1K from <i>Manduca sexta</i> . <i>Structure</i> , <b>1999</b> , 7, 103-9	5.2	62
111	Two major cuticular proteins are required for assembly of horizontal laminae and vertical pore canals in rigid cuticle of <i>Tribolium castaneum</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2014</b> , 53, 22-9	4.5	58
110	Identification, mRNA expression and functional analysis of several yellow family genes in <i>Tribolium castaneum</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2010</b> , 40, 259-66	4.5	58
109	Proteomic and transcriptomic analyses of rigid and membranous cuticles and epidermis from the elytra and hindwings of the red flour beetle, <i>Tribolium castaneum</i> . <i>Journal of Proteome Research</i> , <b>2012</b> , 11, 269-78	5.6	56
108	Cuticular protein with a low complexity sequence becomes cross-linked during insect cuticle sclerotization and is required for the adult molt. <i>Scientific Reports</i> , <b>2015</b> , 5, 10484	4.9	55
107	Analysis of chitin-binding proteins from <i>Manduca sexta</i> provides new insights into evolution of peritrophin A-type chitin-binding domains in insects. <i>Insect Biochemistry and Molecular Biology</i> , <b>2015</b> , 62, 127-41	4.5	55
106	Sequence conservation, phylogenetic relationships, and expression profiles of nondigestive serine proteases and serine protease homologs in <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2015</b> , 62, 51-63	4.5	55
105	Primary structure of ribosomal proteins S3 and S7 from <i>Manduca sexta</i> . <i>Insect Molecular Biology</i> , <b>1996</b> , 5, 31-8	3.4	55
104	Mechanical properties of the beetle elytron, a biological composite material. <i>Biomacromolecules</i> , <b>2011</b> , 12, 321-35	6.9	54
103	Peptidoglycan fragments elicit antibacterial protein synthesis in larvae of <i>Manduca sexta</i> . <i>Archives of Insect Biochemistry and Physiology</i> , <b>2005</b> , 8, 147-164	2.3	53

102	Formation of rigid, non-flight forewings (elytra) of a beetle requires two major cuticular proteins. <i>PLoS Genetics</i> , <b>2012</b> , 8, e1002682	6	51
101	Manduca sexta serpin-7, a putative regulator of hemolymph prophenoloxidase activation. <i>Insect Biochemistry and Molecular Biology</i> , <b>2013</b> , 43, 555-61	4.5	49
100	Multicopper oxidase-1 is a ferroxidase essential for iron homeostasis in <i>Drosophila melanogaster</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 13337-42	11.5	49
99	Isolation and characterization of bacteria-induced protein P4 from hemolymph of <i>Manduca sexta</i> . <i>Archives of Insect Biochemistry and Physiology</i> , <b>1990</b> , 15, 33-41	2.3	49
98	An integrin-tetraspanin interaction required for cellular innate immune responses of an insect, <i>Manduca sexta</i> . <i>Journal of Biological Chemistry</i> , <b>2007</b> , 282, 22563-72	5.4	48
97	Structural features, evolutionary relationships, and transcriptional regulation of C-type lectin-domain proteins in <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2015</b> , 62, 75-85	4.5	47
96	Isolation and characterization of a hemocyte aggregation inhibitor from hemolymph of <i>Manduca sexta</i> larvae. <i>Archives of Insect Biochemistry and Physiology</i> , <b>1994</b> , 27, 123-36	2.3	47
95	Hemolymph proteinases in immune responses of <i>Manduca sexta</i> . <i>Advances in Experimental Medicine and Biology</i> , <b>2001</b> , 484, 319-28	3.6	47
94	Characterization of the multicopper oxidase gene family in <i>Anopheles gambiae</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2008</b> , 38, 817-24	4.5	45
93	The extracellular matrix protein lacunin is expressed by a subset of hemocytes involved in basal lamina morphogenesis. <i>Journal of Insect Physiology</i> , <b>2001</b> , 47, 997-1006	2.4	45
92	Regulation of Insect Hemolymph Phenoloxidases <b>1993</b> , 317-342		45
91	Four serine proteinases expressed in <i>Manduca sexta</i> haemocytes. <i>Insect Molecular Biology</i> , <b>1999</b> , 8, 39-53	3.4	44
90	The serpin gene family in <i>Anopheles gambiae</i> . <i>Gene</i> , <b>2009</b> , 442, 47-54	3.8	43
89	Neuroglial-positive plasmatocytes of <i>Manduca sexta</i> and the initiation of hemocyte attachment to foreign surfaces. <i>Developmental and Comparative Immunology</i> , <b>2006</b> , 30, 447-62	3.2	43
88	A bacteria-induced, intracellular serpin in granular hemocytes of <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2001</b> , 31, 887-98	4.5	43
87	Structure, expression, and hormonal control of genes from the mosquito, <i>Aedes aegypti</i> , which encode proteins similar to the vitelline membrane proteins of <i>Drosophila melanogaster</i> . <i>Developmental Biology</i> , <b>1993</b> , 155, 558-68	3.1	43
86	Serpin-1 splicing isoform J inhibits the proSpzle-activating proteinase HP8 to regulate expression of antimicrobial hemolymph proteins in <i>Manduca sexta</i> . <i>Developmental and Comparative Immunology</i> , <b>2011</b> , 35, 135-41	3.2	42
85	Molecular cloning of cDNAs for two pro-phenol oxidase subunits from the malaria vector, <i>Anopheles gambiae</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>1997</b> , 27, 693-9	4.5	42



84	Developmental expression of <i>Manduca sexta</i> hemolin. <i>Archives of Insect Biochemistry and Physiology</i> , <b>1999</b> , 42, 198-212	2.3	42
83	In search of a function for hemolin, a hemolymph protein from the immunoglobulin superfamily. <i>Journal of Insect Physiology</i> , <b>1996</b> , 42, 73-79	2.4	42
82	Characterization of endogenous and recombinant forms of laccase-2, a multicopper oxidase from the tobacco hornworm, <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2009</b> , 39, 596-606	4.5	41
81	Loss of function of the yellow-e gene causes dehydration-induced mortality of adult <i>Tribolium castaneum</i> . <i>Developmental Biology</i> , <b>2015</b> , 399, 315-24	3.1	40
80	Annotation and expression analysis of cuticular proteins from the tobacco hornworm, <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2015</b> , 62, 100-13	4.5	39
79	Innate immunity in a pyralid moth: functional evaluation of domains from a beta-1,3-glucan recognition protein. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 26605-11	5.4	39
78	A genome-wide analysis of antimicrobial effector genes and their transcription patterns in <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2015</b> , 62, 23-37	4.5	36
77	Initiating protease with modular domains interacts with Eglucan recognition protein to trigger innate immune response in insects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2015</b> , 112, 13856-61	11.5	35
76	Identification of plasma proteinase complexes with serpin-3 in <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2012</b> , 42, 946-55	4.5	34
75	Isolation and characterization of four serine proteinase inhibitors (serpins) from hemolymph of <i>Manduca sexta</i> . <i>Insect Biochemistry</i> , <b>1990</b> , 20, 141-147		33
74	Different isoforms of an apoprotein (apolipoprotein III) associate with lipoproteins in <i>Locusta migratoria</i> . <i>FEBS Journal</i> , <b>1991</b> , 196, 509-17		32
73	Phylogenetic analysis and expression profiling of the pattern recognition receptors: Insights into molecular recognition of invading pathogens in <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2015</b> , 62, 38-50	4.5	29
72	Clustering of adhesion receptors following exposure of insect blood cells to foreign surfaces. <i>Journal of Insect Physiology</i> , <b>2005</b> , 51, 555-64	2.4	29
71	Regulation of serpin gene-1 in <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>1995</b> , 25, 285-94	4.5	29
70	Monoclonal antibody MS13 identifies a plasmatocyte membrane protein and inhibits encapsulation and spreading reactions of <i>Manduca sexta</i> hemocytes. <i>Archives of Insect Biochemistry and Physiology</i> , <b>2000</b> , 45, 95-108	2.3	28
69	Expression and purification of <i>Manduca sexta</i> prophenoloxidase-activating proteinase precursor (proPAP) from baculovirus-infected insect cells. <i>Protein Expression and Purification</i> , <b>2001</b> , 23, 328-37	2	28
68	Juvenile hormone analog and injection effects on locust hemolymph protein synthesis. <i>Archives of Insect Biochemistry and Physiology</i> , <b>1992</b> , 20, 167-180	2.3	28
67	Multicopper oxidase-3 is a laccase associated with the peritrophic matrix of <i>Anopheles gambiae</i> . <i>PLoS ONE</i> , <b>2012</b> , 7, e33985	3.7	28

66	An insight into the transcriptome and proteome of the salivary gland of the stable fly, <i>Stomoxys calcitrans</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2009</b> , 39, 607-14	4.5	27
65	Mechanical properties of elytra from <i>Tribolium castaneum</i> wild-type and body color mutant strains. <i>Journal of Insect Physiology</i> , <b>2010</b> , 56, 1901-6	2.4	27
64	Neuroglian on hemocyte surfaces is involved in homophilic and heterophilic interactions of the innate immune system of <i>Manduca sexta</i> . <i>Developmental and Comparative Immunology</i> , <b>2007</b> , 31, 1159-67	3.2	26
63	Multicopper oxidase-1 orthologs from diverse insect species have ascorbate oxidase activity. <i>Insect Biochemistry and Molecular Biology</i> , <b>2015</b> , 59, 58-71	4.5	24
62	Self-association of an insect $\beta$ 1,3-glucan recognition protein upon binding laminarin stimulates prophenoloxidase activation as an innate immune response. <i>Journal of Biological Chemistry</i> , <b>2014</b> , 289, 28399-410	5.4	24
61	A family of C-type lectins in <i>Manduca sexta</i> . <i>Advances in Experimental Medicine and Biology</i> , <b>2001</b> , 484, 191-4	3.6	24
60	Characterization and regulation of expression of an antifungal peptide from hemolymph of an insect, <i>Manduca sexta</i> . <i>Developmental and Comparative Immunology</i> , <b>2016</b> , 61, 258-68	3.2	23
59	Functional analysis of four processing products from multiple precursors encoded by a lebecin-related gene from <i>Manduca sexta</i> . <i>Developmental and Comparative Immunology</i> , <b>2010</b> , 34, 638-47	3.2	23
58	Kinetic properties of alternatively spliced isoforms of laccase-2 from <i>Tribolium castaneum</i> and <i>Anopheles gambiae</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2012</b> , 42, 193-202	4.5	22
57	Analysis of mutually exclusive alternatively spliced serpin-1 isoforms and identification of serpin-1 proteinase complexes in <i>Manduca sexta</i> hemolymph. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 29642-50	5.4	22
56	RNAi-induced silencing of embryonic tryptophan oxygenase in the Pyralid moth, <i>Plodia interpunctella</i> . <i>Journal of Insect Science</i> , <b>2004</b> , 4, 15	2	22
55	Insect proteinases <b>1999</b> , 125-148		22
54	Model reactions for insect cuticle sclerotization: participation of amino groups in the cross-linking of <i>Manduca sexta</i> cuticle protein MsCP36. <i>Insect Biochemistry and Molecular Biology</i> , <b>2010</b> , 40, 252-8	4.5	21
53	Leureptin: a soluble, extracellular leucine-rich repeat protein from <i>Manduca sexta</i> that binds lipopolysaccharide. <i>Insect Biochemistry and Molecular Biology</i> , <b>2010</b> , 40, 713-22	4.5	20
52	The immune properties of <i>Manduca sexta</i> transferrin. <i>Insect Biochemistry and Molecular Biology</i> , <b>2017</b> , 81, 1-9	4.5	19
51	The lysozyme from insect ( <i>Manduca sexta</i> ) is a cold-adapted enzyme. <i>Protein and Peptide Letters</i> , <b>2007</b> , 14, 774-8	1.9	19
50	An initial event in the insect innate immune response: structural and biological studies of interactions between $\beta$ 1,3-glucan and the N-terminal domain of $\beta$ 1,3-glucan recognition protein. <i>Biochemistry</i> , <b>2013</b> , 52, 161-70	3.2	18
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22	Serine Protease Inhibitors from the Serpin Gene Family in <i>Manduca sexta</i> and <i>Drosophila melanogaster</i> <b>1990</b> , 139-146		4
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