

Michael R Kanost

List of Publications by Year in descending order

Source: [//exaly.com/author-pdf/5663084/publications.pdf](https://exaly.com/author-pdf/5663084/publications.pdf)

Version: 2024-02-01

162
papers

14,724
citations

15497

65
h-index

20777

116
g-index

170
all docs

170
docs citations

170
times ranked

8784
citing authors

#	ARTICLE	IF	CITATIONS
1	The Development of New Methods to Stimulate the Production of Antimicrobial Peptides in the Larvae of the Black Soldier Fly <i>Hermetia illucens</i> . <i>International Journal of Molecular Sciences</i> , 2023, 24, 15765.	4.2	2
2	Superoxide dismutase 6 is required during metamorphosis for the development of properly movable legs in <i>Tribolium castaneum</i> . <i>Scientific Reports</i> , 2022, 12, 6900.	3.4	1
3	Phenotypic analyses, protein localization, and bacteriostatic activity of <i>Drosophila melanogaster</i> transferrin-1. <i>Insect Biochemistry and Molecular Biology</i> , 2022, 147, 103811.	2.7	7
4	Phylogenetic and sequence analyses of insect transferrins suggest that only <i>transferrin 1</i> has a role in iron homeostasis. <i>Insect Science</i> , 2021, 28, 495-508.	3.1	13
5	Structural insight into the novel iron coordination and domain interactions of transferrin from a model insect, <i>Manduca sexta</i> . <i>Protein Science</i> , 2021, 30, 408-422.	7.8	9
6	cDNA Cloning and Partial Characterization of the DJ-1 Gene from <i>Tribolium castaneum</i> . <i>Antioxidants</i> , 2021, 10, 1970.	5.2	0
7	Inhibition of immune pathway-initiating hemolymph protease-14 by <i>Manduca sexta</i> serpin-12, a conserved mechanism for the regulation of melanization and Toll activation in insects. <i>Insect Biochemistry and Molecular Biology</i> , 2020, 116, 103261.	2.7	22
8	Iron binding and release properties of transferrin-1 from <i>Drosophila melanogaster</i> and <i>Manduca sexta</i> : Implications for insect iron homeostasis. <i>Insect Biochemistry and Molecular Biology</i> , 2020, 125, 103438.	2.7	17
9	Changes in composition and levels of hemolymph proteins during metamorphosis of <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2020, 127, 103489.	2.7	12
10	Hemolymph protease-5 links the melanization and Toll immune pathways in the tobacco hornworm, <i>Manduca sexta</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23581-23587.	7.6	40
11	Peptides based on the reactive center loop of <i>Manduca sexta</i> serpin-3 block its protease inhibitory function. <i>Scientific Reports</i> , 2020, 10, 11497.	3.4	2
12	Comparative analysis of seven types of superoxide dismutases for their ability to respond to oxidative stress in <i>Bombyx mori</i> . <i>Scientific Reports</i> , 2019, 9, 2170.	3.4	30
13	Development of a new method for collecting hemolymph and measuring phenoloxidase activity in <i>Tribolium castaneum</i> . <i>BMC Research Notes</i> , 2019, 12, 7.	1.4	32
14	Expression and Characterization of <i>Manduca sexta</i> Stress Responsive Peptide-1; An Inducer of Antimicrobial Peptide Synthesis. <i>Biochemistry and Molecular Biology</i> , 2019, 4, 42.	0.4	1
15	Self-Assembled Coacervates of Chitosan and an Insect Cuticle Protein Containing a Rebers Riddiford Motif. <i>Biomacromolecules</i> , 2018, 19, 2391-2400.	5.6	10
16	The <i>Manduca sexta</i> serpinome: Analysis of serpin genes and proteins in the tobacco hornworm. <i>Insect Biochemistry and Molecular Biology</i> , 2018, 102, 21-30.	2.7	26
17	<i>Manduca sexta</i> serpin-12 controls the prophenoloxidase activation system in larval hemolymph. <i>Insect Biochemistry and Molecular Biology</i> , 2018, 99, 27-36.	2.7	16
18	Characterization of Transferrin from <i>Drosophila melanogaster</i> . <i>FASEB Journal</i> , 2018, 32, 538.10.	0.5	0

#	ARTICLE	IF	CITATIONS
19	The immune properties of <i>Manduca sexta</i> transferrin. <i>Insect Biochemistry and Molecular Biology</i> , 2017, 81, 1-9.	2.7	29
20	Serpins in arthropod biology. <i>Seminars in Cell and Developmental Biology</i> , 2017, 62, 105-119.	5.4	125
21	<i>Insect Proteases</i> , 2017, , .		1
22	Superoxide dismutase 2 knockdown leads to defects in locomotor activity, sensitivity to paraquat, and increased cuticle pigmentation in <i>Tribolium castaneum</i> . <i>Scientific Reports</i> , 2016, 6, 29583.	3.4	21
23	Multifaceted biological insights from a draft genome sequence of the tobacco hornworm moth, <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016, 76, 118-147.	2.7	165
24	Characterization and regulation of expression of an antifungal peptide from hemolymph of an insect, <i>Manduca sexta</i> . <i>Developmental and Comparative Immunology</i> , 2016, 61, 258-268.	2.3	31
25	Characterization of the Secondary Structure of CP30, a Highly Repetitive Ampholytic Protein in Beetle Elytral Cuticle. <i>Macromolecular Symposia</i> , 2015, 358, 212-216.	0.7	0
26	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> , 2015, 62, 75-85.	2.7	68
27	Annotation and expression analysis of cuticular proteins from the tobacco hornworm, <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2015, 62, 100-113.	2.7	64
28	A genome-wide analysis of antimicrobial effector genes and their transcription patterns in <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2015, 62, 23-37.	2.7	46
29	Overview of chitin metabolism enzymes in <i>Manduca sexta</i> : Identification, domain organization, phylogenetic analysis and gene expression. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 62, 114-126.	2.7	95
30	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> , 2015, 62, 38-50.	2.7	46
31	Multicopper oxidase-1 orthologs from diverse insect species have ascorbate oxidase activity. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 59, 58-71.	2.7	29
32	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> , 2015, 5, 10484.	3.4	72
33	Loss of function of the yellow-e gene causes dehydration-induced mortality of adult <i>Tribolium castaneum</i> . <i>Developmental Biology</i> , 2015, 399, 315-324.	2.1	57
34	Structural and Inhibitory Effects of Hinge Loop Mutagenesis in Serpin-2 from the Malaria Vector <i>Anopheles gambiae</i> . <i>Journal of Biological Chemistry</i> , 2015, 290, 2946-2956.	3.5	7
35	Initiating protease with modular domains interacts with β -glucan recognition protein to trigger innate immune response in insects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 13856-13861.	7.6	57
36	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> , 2015, 62, 127-141.	2.7	91

#	ARTICLE	IF	CITATIONS
37	Clip-domain serine proteases as immune factors in insect hemolymph. <i>Current Opinion in Insect Science</i> , 2015, 11, 47-55.	4.6	203
38	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> , 2015, 62, 51-63.	2.7	88
39	A Multicopper Oxidase-Related Protein Is Essential for Insect Viability, Longevity and Ovary Development. <i>PLoS ONE</i> , 2014, 9, e111344.	2.5	14
40	Self-association of an Insect β -1,3-Glucan Recognition Protein Upon Binding Laminarin Stimulates Prophenoloxidase Activation as an Innate Immune Response. <i>Journal of Biological Chemistry</i> , 2014, 289, 28399-28410.	3.5	32
41	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> , 2014, 53, 22-29.	2.7	83
42	An Initial Event in the Insect Innate Immune Response: Structural and Biological Studies of Interactions between β -1,3-Glucan and the N-Terminal Domain of β -1,3-Glucan Recognition Protein. <i>Biochemistry</i> , 2013, 52, 161-170.	2.6	27
43	<i>Manduca sexta</i> serpin-7, a putative regulator of hemolymph prophenoloxidase activation. <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 555-561.	2.7	60
44	<i>Tribolium castaneum</i> as a Model for High-Throughput RNAi Screening. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2013, 136, 163-178.	0.0	18
45	Formation of Rigid, Non-Flight Forewings (Elytra) of a Beetle Requires Two Major Cuticular Proteins. <i>PLoS Genetics</i> , 2012, 8, e1002682.	3.4	71
46	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> , 2012, 109, 13337-13342.	7.6	62
47	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> , 2012, 11, 269-278.	3.8	80
48	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> , 2012, 42, 193-202.	2.7	24
49	<i>Insect Proteases</i> . , 2012, , 346-364.		13
50	Identification of plasma proteinase complexes with serpin-3 in <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 946-955.	2.7	39
51	Redox potentials, laccase oxidation, and antilarval activities of substituted phenols. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 1679-1689.	3.1	15
52	Multicopper Oxidase-3 Is a Laccase Associated with the Peritrophic Matrix of <i>Anopheles gambiae</i> . <i>PLoS ONE</i> , 2012, 7, e33985.	2.5	31
53	Mechanical Properties of the Beetle Elytron, a Biological Composite Material. <i>Biomacromolecules</i> , 2011, 12, 321-335.	5.6	71
54	Serpin-1 splicing isoform J inhibits the proSpätzle-activating proteinase HP8 to regulate expression of antimicrobial hemolymph proteins in <i>Manduca sexta</i> . <i>Developmental and Comparative Immunology</i> , 2011, 35, 135-141.	2.3	57

#	ARTICLE	IF	CITATIONS
55	Cuticle tanning in <i>Tribolium castaneum</i> . Entomological Research, 2011, 41, 293-293.	1.2	1
56	RNAi-based functional analysis of yellow-e in <i>Tribolium castaneum</i> . Entomological Research, 2011, 41, 296-296.	1.2	0
57	Two Major Structural Proteins Are Required for Rigid Adult Cuticle Formation in the Red Flour Beetle, <i>Tribolium castaneum</i> . Entomological Research, 2011, 41, 297-297.	1.2	0
58	RNA interference in Lepidoptera: An overview of successful and unsuccessful studies and implications for experimental design. Journal of Insect Physiology, 2011, 57, 231-245.	2.2	749
59	Characterization of a regulatory unit that controls melanization and affects longevity of mosquitoes. Cellular and Molecular Life Sciences, 2011, 68, 1929-1939.	5.5	113
60	Crystal structure of native <i>Anopheles gambiae</i> serpin ² , a negative regulator of melanization in mosquitoes. Proteins: Structure, Function and Bioinformatics, 2011, 79, 1999-2003.	3.2	11
61	Mechanical properties of elytra from <i>Tribolium castaneum</i> wild-type and body color mutant strains. Journal of Insect Physiology, 2010, 56, 1901-1906.	2.2	30
62	Immunity in Lepidopteran Insects. Advances in Experimental Medicine and Biology, 2010, 708, 181-204.	0.0	239
63	Analysis of Mutually Exclusive Alternatively Spliced Serpin-1 Isoforms and Identification of Serpin-1 Proteinase Complexes in <i>Manduca sexta</i> Hemolymph. Journal of Biological Chemistry, 2010, 285, 29642-29650.	3.5	24
64	Identification, mRNA expression and functional analysis of several yellow family genes in <i>Tribolium castaneum</i> . Insect Biochemistry and Molecular Biology, 2010, 40, 259-266.	2.7	74
65	Insect multicopper oxidases: Diversity, properties, and physiological roles. Insect Biochemistry and Molecular Biology, 2010, 40, 179-188.	2.7	110
66	Model reactions for insect cuticle sclerotization: Participation of amino groups in the cross-linking of <i>Manduca sexta</i> cuticle protein MsCP36. Insect Biochemistry and Molecular Biology, 2010, 40, 252-258.	2.7	29
67	<i>Manduca sexta</i> serpin-5 regulates prophenoloxidase activation and the Toll signaling pathway by inhibiting hemolymph proteinase HP6. Insect Biochemistry and Molecular Biology, 2010, 40, 683-689.	2.7	84
68	Leureptin: A soluble, extracellular leucine-rich repeat protein from <i>Manduca sexta</i> that binds lipopolysaccharide. Insect Biochemistry and Molecular Biology, 2010, 40, 713-722.	2.7	26
69	Molecular cloning of a multidomain cysteine protease and protease inhibitor precursor gene from the tobacco hornworm (<i>Manduca sexta</i>) and functional expression of the cathepsin F-like cysteine protease domain. Insect Biochemistry and Molecular Biology, 2010, 40, 835-846.	2.7	14
70	Functional analysis of four processing products from multiple precursors encoded by a leucocin-related gene from <i>Manduca sexta</i> . Developmental and Comparative Immunology, 2010, 34, 638-647.	2.3	30
71	Characterization of Multicopper Oxidase Related Protein (MCORP) in Two Insect Species. FASEB Journal, 2010, 24, 854.6.	0.5	0
72	Proteomic identification of hemolymph proteins involved in early stages of immune response in the insect <i>Manduca sexta</i> . FASEB Journal, 2010, 24, 518.4.	0.5	0

#	ARTICLE	IF	CITATIONS
73	Possible immune functions of two mosquito multicopper oxidases. <i>FASEB Journal</i> , 2010, 24, 854-4.	0.5	0
74	Hemolymph. , 2009, , 446-449.		15
75	Functions of <i>Manduca sexta</i> Hemolymph Proteinases HP6 and HP8 in Two Innate Immune Pathways. <i>Journal of Biological Chemistry</i> , 2009, 284, 19716-19726.	3.5	153
76	Molecular and Functional Analyses of Amino Acid Decarboxylases Involved in Cuticle Tanning in <i>Tribolium castaneum</i> . <i>Journal of Biological Chemistry</i> , 2009, 284, 16584-16594.	3.5	185
77	The serpin gene family in <i>Anopheles gambiae</i> . <i>Gene</i> , 2009, 442, 47-54.	2.3	53
78	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> , 2009, 39, 607-614.	2.7	32
79	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> , 2009, 39, 596-606.	2.7	54
80	Roles of haemolymph proteins in antimicrobial defences of <i>Manduca sexta</i> . , 2009, , 34-48.		19
81	PHENOLOXIDASES IN INSECT IMMUNITY. , 2008, , 69-96.		138
82	Characterization of the multicopper oxidase gene family in <i>Anopheles gambiae</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2008, 38, 817-824.	2.7	54
83	Multiple α subunits of integrin are involved in cell-mediated responses of the <i>Manduca</i> immune system. <i>Developmental and Comparative Immunology</i> , 2008, 32, 365-379.	2.3	77
84	An Integrin-Tetraspanin Interaction Required for Cellular Innate Immune Responses of an Insect, <i>Manduca sexta</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 22563-22572.	3.5	59
85	The Lysozyme from Insect (<i>Manduca sexta</i>) Is a Cold-Adapted Enzyme. <i>Protein and Peptide Letters</i> , 2007, 14, 774-778.	0.9	21
86	<i>Manduca sexta</i> Hemolymph Proteinase 21 Activates Prophenoloxidase-activating Proteinase 3 in an Insect Innate Immune Response Proteinase Cascade. <i>Journal of Biological Chemistry</i> , 2007, 282, 11742-11749.	3.5	106
87	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> , 2007, 31, 1159-1167.	2.3	26
88	Purification of a cysteine protease inhibitor from larval hemolymph of the tobacco hornworm (<i>Manduca sexta</i>) and functional expression of the recombinant protein. <i>Insect Biochemistry and Molecular Biology</i> , 2007, 37, 960-968.	2.7	11
89	Characterization of tyrosine hydroxylase from <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2007, 37, 1327-1337.	2.7	114
90	Serpins in a Lepidopteran Insect, <i>Manduca sexta</i> . , 2007, , 229-241.		4

#	ARTICLE	IF	CITATIONS
91	Analyses of the Serpin Gene Family in the African Malaria Vector Mosquito, <i>Anopheles gambiae</i> . <i>FASEB Journal</i> , 2007, 21, A649.	0.5	0
92	Neuroglial-positive plasmotocytes of <i>Manduca sexta</i> and the initiation of hemocyte attachment to foreign surfaces. <i>Developmental and Comparative Immunology</i> , 2006, 30, 447-462.	2.3	49
93	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> , 2006, 36, 353-365.	2.7	116
94	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> , 2006, 15, 603-614.	1.9	174
95	Increased melanizing activity in <i>Anopheles gambiae</i> does not affect development of <i>Plasmodium falciparum</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 16858-16863.	7.6	94
96	Clustering of adhesion receptors following exposure of insect blood cells to foreign surfaces. <i>Journal of Insect Physiology</i> , 2005, 51, 555-564.	2.2	29
97	Peptidoglycan fragments elicit antibacterial protein synthesis in larvae of <i>Manduca sexta</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2005, 8, 147-164.	1.5	56
98	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> , 2005, 280, 14932-14942.	3.5	115
99	<i>Manduca sexta</i> Serpin-4 and Serpin-5 Inhibit the Prophenol Oxidase Activation Pathway. <i>Journal of Biological Chemistry</i> , 2005, 280, 14923-14931.	3.5	106
100	<i>Laccase 2</i> is the phenoloxidase gene required for beetle cuticle tanning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 11337-11342.	7.6	348
101	A hemocyte-specific integrin required for hemocytic encapsulation in the tobacco hornworm, <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2005, 35, 369-380.	2.7	104
102	Chitin synthase genes in <i>Manduca sexta</i> : characterization of a gut-specific transcript and differential tissue expression of alternately spliced mRNAs during development. <i>Insect Biochemistry and Molecular Biology</i> , 2005, 35, 529-540.	2.7	113
103	Molecular identification of a bevy of serine proteinases in <i>Manduca sexta</i> hemolymph. <i>Insect Biochemistry and Molecular Biology</i> , 2005, 35, 931-943.	2.7	75
104	RNAi-induced silencing of embryonic tryptophan oxygenase in the Pyralid moth, <i>Plodia interpunctella</i> . <i>Journal of Insect Science</i> , 2004, 4, 15.	1.6	28
105	RNAi-induced silencing of embryonic tryptophan oxygenase in the Pyralid moth, <i>Plodia interpunctella</i> . <i>Journal of Insect Science</i> , 2004, 4, 1-9.	0.9	13
106	Innate immune responses of a lepidopteran insect, <i>Manduca sexta</i> . <i>Immunological Reviews</i> , 2004, 198, 97-105.	6.1	610
107	Innate Immunity in a Pyralid Moth. <i>Journal of Biological Chemistry</i> , 2004, 279, 26605-26611.	3.5	48
108	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> , 2004, 28, 891-900.	2.3	158

#	ARTICLE	IF	CITATIONS
109	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> , 2004, 34, 29-41.	2.7	165
110	Î²-1,3-Glucan recognition protein-2 (Î²GRP-2) from <i>Manduca sexta</i> : an acute-phase protein that binds Î²-1,3-glucan and lipoteichoic acid to aggregate fungi and bacteria and stimulate prophenoloxidase activation. <i>Insect Biochemistry and Molecular Biology</i> , 2004, 34, 89-100.	2.7	120
111	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> , 2004, 34, 291-304.	2.7	169
112	Hematopoietic organs of <i>Manduca sexta</i> and hemocyte lineages. <i>Development Genes and Evolution</i> , 2003, 213, 477-491.	0.9	71
113	<i>Manduca sexta</i> lipopolysaccharide-specific immuelectin-2 protects larvae from bacterial infection. <i>Developmental and Comparative Immunology</i> , 2003, 27, 189-196.	2.3	109
114	Serine proteases and their homologs in the <i>Drosophila melanogaster</i> genome: an initial analysis of sequence conservation and phylogenetic relationships. <i>Gene</i> , 2003, 304, 117-131.	2.3	298
115	Nonproteolytic serine proteinase homologs are involved in prophenoloxidase activation in the tobacco hornworm, <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2003, 33, 197-208.	2.7	225
116	Prophenoloxidase-activating Proteinase-2 from Hemolymph of <i>Manduca sexta</i> . <i>Journal of Biological Chemistry</i> , 2003, 278, 3552-3561.	3.5	195
117	<i>Manduca sexta</i> Serpin-3 Regulates Prophenoloxidase Activation in Response to Infection by Inhibiting Prophenoloxidase-activating Proteinases. <i>Journal of Biological Chemistry</i> , 2003, 278, 46556-46564.	3.5	164
118	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> , 2002, 32, 1497-1506.	2.7	76
119	Expression and Purification of <i>Manduca sexta</i> Prophenoloxidase-Activating Proteinase Precursor (proPAP) from Baculovirus-Infected Insect Cells. <i>Protein Expression and Purification</i> , 2001, 23, 328-337.	1.4	29
120	A bacteria-induced, intracellular serpin in granular hemocytes of <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2001, 31, 887-898.	2.7	49
121	Oxidative conjugation of catechols with proteins in insect skeletal systems. <i>Tetrahedron</i> , 2001, 57, 385-392.	2.0	198
122	The structure of a Michaelis serpin-protease complex. <i>Nature Structural Biology</i> , 2001, 8, 979-983.	8.1	143
123	The extracellular matrix protein lacunin is expressed by a subset of hemocytes involved in basal lamina morphogenesis. <i>Journal of Insect Physiology</i> , 2001, 47, 997-1006.	2.2	50
124	Proteolytic Activation of Prophenoloxidase in an Insect <i>Manduca Sexta</i> . <i>Advances in Experimental Medicine and Biology</i> , 2001, 484, 313-317.	0.0	11
125	A Family of C-Type Lectins in <i>Manduca sexta</i> . <i>Advances in Experimental Medicine and Biology</i> , 2001, 484, 191-194.	0.0	28
126	Hemolymph Proteinases in Immune Responses of <i>Manduca sexta</i> . <i>Advances in Experimental Medicine and Biology</i> , 2001, 484, 319-328.	0.0	50

#	ARTICLE	IF	CITATIONS
127	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> , 2000, 45, 95-108.	1.5	35
128	Immlectin-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> , 2000, 275, 37373-37381.	3.5	261
129	A β 1,3-Glucan Recognition Protein from an Insect, <i>Manduca sexta</i> , Agglutinates Microorganisms and Activates the Phenoloxidase Cascade. <i>Journal of Biological Chemistry</i> , 2000, 275, 7505-7514.	3.5	210
130	The clip-domain family of serine proteinases in arthropods. <i>Insect Biochemistry and Molecular Biology</i> , 2000, 30, 95-105.	2.7	364
131	A Novel Serpin Expressed by Blood-Borne Microfilariae of the Parasitic Nematode <i>Brugia malayi</i> Inhibits Human Neutrophil Serine Proteinases. <i>Blood</i> , 1999, 94, 1418-1428.	1.4	115
132	Developmental expression of <i>Manduca sexta</i> hemolin. <i>Archives of Insect Biochemistry and Physiology</i> , 1999, 42, 198-212.	1.5	51
133	Immlectin, 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> , 1999, 29, 585-597.	2.7	217
134	Biological activity of <i>Manduca sexta</i> paralytic and plasmatocyte spreading peptide and primary structure of its hemolymph precursor. <i>Insect Biochemistry and Molecular Biology</i> , 1999, 29, 1075-1086.	2.7	77
135	Serine proteinase inhibitors in arthropod immunity. <i>Developmental and Comparative Immunology</i> , 1999, 23, 291-301.	2.3	384
136	Developmental expression of <i>Manduca sexta</i> hemolin. <i>Archives of Insect Biochemistry and Physiology</i> , 1999, 42, 198.	1.5	1
137	A Novel Serpin Expressed by Blood-Borne Microfilariae of the Parasitic Nematode <i>Brugia malayi</i> Inhibits Human Neutrophil Serine Proteinases. <i>Blood</i> , 1999, 94, 1418-1428.	1.4	2
138	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> , 1997, 272, 1082-1087.	3.5	134
139	Molecular cloning of cDNAs for two pro-phenol oxidase subunits from the malaria vector, <i>Anopheles gambiae</i> 1The sequences have been deposited in GenBank under accession numbers AF004915 and AF004916.1. <i>Insect Biochemistry and Molecular Biology</i> , 1997, 27, 693-699.	2.7	51
140	Subunit Composition of Pro-phenol Oxidase from <i>Manduca sexta</i> : Molecular Cloning of Subunit ProPO-p1. <i>Insect Biochemistry and Molecular Biology</i> , 1997, 27, 835-850.	2.7	158
141	BIOLOGICAL MEDIATORS OF INSECT IMMUNITY. <i>Annual Review of Entomology</i> , 1997, 42, 611-643.	12.7	1,154
142	Serpins from an Insect, <i>Manduca sexta</i> . <i>Advances in Experimental Medicine and Biology</i> , 1997, 425, 155-161.	0.0	17
143	In search of a function for hemolin, a hemolymph protein from the immunoglobulin superfamily. <i>Journal of Insect Physiology</i> , 1996, 42, 73-79.	2.2	45
144	Organization of Serpin Gene-1 from <i>Manduca sexta</i> . <i>Journal of Biological Chemistry</i> , 1996, 271, 28017-28023.	3.5	82

#	ARTICLE	IF	CITATIONS
145	Isolation and characterization of apolipoprotein III from the giant water bug (<i>Lethocerus medius</i>). <i>Insect Biochemistry and Molecular Biology</i> , 1995, 25, 759-764.	2.7	10
146	Regulation of serpin gene-1 in <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 1995, 25, 285-291.	2.7	30
147	Monoclonal antibodies against <i>Manduca sexta</i> hemocytes bind <i>Aedes aegypti</i> hemocytes: Characterization of six monoclonal antibodies that bind hemocytes from both species. <i>Developmental and Comparative Immunology</i> , 1995, 19, 451-461.	2.3	17
148	Isolation and characterization of a hemocyte aggregation inhibitor from hemolymph of <i>Manduca sexta</i> larvae. <i>Archives of Insect Biochemistry and Physiology</i> , 1994, 27, 123-136.	1.5	54
149	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> , 1993, 155, 558-568.	2.1	47
150	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> , 1993, 23, 643-653.	2.7	73
151	Regulation of Insect Hemolymph Phenoloxidases. , 1993, , 317-342.		55
152	Differential alaserpin expression during development of the antennae in the tobacco hawkmoth, <i>Manduca sexta</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 1992, 19, 39-52.	1.5	6
153	Juvenile hormone analog and injection effects on locust hemolymph protein synthesis. <i>Archives of Insect Biochemistry and Physiology</i> , 1992, 20, 167-180.	1.5	28
154	Molecular structure of an apolipoprotein determined at 2.5-Å resolution. <i>Biochemistry</i> , 1991, 30, 603-608.	2.6	266
155	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> , 1991, 18, 285-300.	1.5	106
156	Isolation and characterization of four serine proteinase inhibitors (serpins) from hemolymph of <i>Manduca sexta</i> . <i>Insect Biochemistry</i> , 1990, 20, 141-147.	1.8	36
157	Adipokinetic hormone causes formation of a low density lipoprotein in the house cricket, <i>Acheta domesticus</i> . <i>Insect Biochemistry</i> , 1990, 20, 859-863.	1.8	14
158	Isolation and characterization of bacteria-induced protein P4 from hemolymph of <i>Manduca sexta</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 1990, 15, 33-41.	1.5	52
159	Insect Haemolymph Proteins. <i>Advances in Insect Physiology</i> , 1990, 22, 299-396.	3.8	295
160	Serine Protease Inhibitors from the Serpin Gene Family in <i>Manduca sexta</i> and <i>Drosophila melanogaster</i> . , 1990, , 139-146.		6
161	Soluble peptidoglycan fragments stimulate antibacterial protein synthesis by fat body from larvae of <i>Manduca sexta</i> . <i>Developmental and Comparative Immunology</i> , 1985, 9, 559-568.	2.3	90
162	Susceptibility of the Zebra Caterpillar to <i>Autographa californica</i> Nuclear Polyhedrosis Virus1. <i>Journal of Economic Entomology</i> , 1979, 72, 570-572.	1.9	16