

Xiaolong Cao

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36
papers

771
citations

16
h-index

27
g-index

40
ext. papers

1,103
ext. citations

5
avg, IF

4.01
L-index

#	Paper	IF	Citations
36	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	4.5	112
35	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, 114-26	4.5	72
34	The immune signaling pathways of <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2015 , 62, 64-74	4.5	56
33	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, 127-41	4.5	55
32	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	4.5	55
31	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	4.5	47
30	Annotation and expression analysis of cuticular proteins from the tobacco hornworm, <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2015 , 62, 100-13	4.5	39
29	Improved annotation of the insect vector of citrus greening disease: biocuration by a diverse genomics community. <i>Database: the Journal of Biological Databases and Curation</i> , 2017 , 2017,	5	37
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	4.5	36
27	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	4.5	29
26	Semi-quantitative analysis of changes in the plasma peptidome of <i>Manduca sexta</i> larvae and their correlation with the transcriptome variations upon immune challenge. <i>Insect Biochemistry and Molecular Biology</i> , 2014 , 47, 46-54	4.5	25
25	Serine protease-related proteins in the malaria mosquito, <i>Anopheles gambiae</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2017 , 88, 48-62	4.5	22
24	Building a platform for predicting functions of serine protease-related proteins in <i>Drosophila melanogaster</i> and other insects. <i>Insect Biochemistry and Molecular Biology</i> , 2018 , 103, 53-69	4.5	22
23	Integrated modeling of protein-coding genes in the <i>Manduca sexta</i> genome using RNA-Seq data from the biochemical model insect. <i>Insect Biochemistry and Molecular Biology</i> , 2015 , 62, 2-10	4.5	19
22	Changes in the Plasma Proteome of <i>Manduca sexta</i> Larvae in Relation to the Transcriptome Variations after an Immune Challenge: Evidence for High Molecular Weight Immune Complex Formation. <i>Molecular and Cellular Proteomics</i> , 2016 , 15, 1176-87	7.6	19
21	Identification and profiling of <i>Manduca sexta</i> microRNAs and their possible roles in regulating specific transcripts in fat body, hemocytes, and midgut. <i>Insect Biochemistry and Molecular Biology</i> , 2015 , 62, 11-22	4.5	17
20	An analysis of 67 RNA-seq datasets from various tissues at different stages of a model insect, <i>Manduca sexta</i> . <i>BMC Genomics</i> , 2017 , 18, 796	4.5	13

19	The Manduca sexta serpinome: Analysis of serpin genes and proteins in the tobacco hornworm. <i>Insect Biochemistry and Molecular Biology</i> , 2018 , 102, 21-30	4.5	12
18	Hemolymph protease-5 links the melanization and Toll immune pathways in the tobacco hornworm,. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 23581-23587	11.5	10
17	Serpin-9 and -13 regulate hemolymph proteases during immune responses of Manduca sexta. <i>Insect Biochemistry and Molecular Biology</i> , 2017 , 90, 71-81	4.5	9
16	Manduca sexta serpin-12 controls the prophenoloxidase activation system in larval hemolymph. <i>Insect Biochemistry and Molecular Biology</i> , 2018 , 99, 27-36	4.5	9
15	Inhibition of immune pathway-initiating hemolymph protease-14 by Manduca sexta 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	4.5	8
14	Whole Genome Sequencing and Assembly of the Asian Honey Bee Apis dorsata. <i>Genome Biology and Evolution</i> , 2020 , 12, 3677-3683	3.9	8
13	Hemolymph proteins of Anopheles gambiae larvae infected by Escherichia coli. <i>Developmental and Comparative Immunology</i> , 2017 , 74, 110-124	3.2	5
12	Alignment of Cell Lineage Trees Elucidates Genetic Programs for the Development and Evolution of Cell Types. <i>IScience</i> , 2020 , 23, 101273	6.1	5
11	Polymorphic mobile element insertions contribute to gene expression and alternative splicing in human tissues. <i>Genome Biology</i> , 2020 , 21, 185	18.3	5
10	Digestion-related proteins in the tobacco hornworm, Manduca sexta. <i>Insect Biochemistry and Molecular Biology</i> , 2020 , 126, 103457	4.5	4
9	Whole-exome sequencing identifies genes associated with Tourette's disorder in multiplex families. <i>Molecular Psychiatry</i> , 2021 ,	15.1	4
8	The three-dimensional structure and recognition mechanism of Manduca sexta peptidoglycan recognition protein-1. <i>Insect Biochemistry and Molecular Biology</i> , 2019 , 108, 44-52	4.5	3
7	Solution Structure and Expression Profile of an Insect Cytokine: Manduca sexta Stress Response Peptide-2. <i>Protein and Peptide Letters</i> , 2017 , 24, 3-11	1.9	3
6	CHAPTER 15:Structure and Function of Stress-Responsive Peptides in Insects. <i>RSC Drug Discovery Series</i> ,438-451	0.6	3
5	Changes in composition and levels of hemolymph proteins during metamorphosis of Manduca sexta. <i>Insect Biochemistry and Molecular Biology</i> , 2020 , 127, 103489	4.5	3
4	Expression and Characterization of Stress Responsive Peptide-1; an Inducer of Antimicrobial Peptide Synthesis 2019 , 4, 42-52		1
3	PrecisionProDB: improving the proteomics performance for precision medicine. <i>Bioinformatics</i> , 2021 ,	7.2	1
2	Integrated Modeling of Structural Genes Using M-CuNovo. <i>Methods in Molecular Biology</i> , 2019 , 1858, 45-57	1.4	1

- 1 Predicting embryonic aneuploidy rate in IVF patients using whole-exome sequencing.. *Human Genetics*, **2022**, 1

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