

# Xiaolong Cao

## List of Publications by Year in Descending Order

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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.

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	Predicting embryonic aneuploidy rate in IVF patients using whole-exome sequencing.. <i>Human Genetics</i> , <b>2022</b> , 1	6.3	0
35	PrecisionProDB: improving the proteomics performance for precision medicine. <i>Bioinformatics</i> , <b>2021</b> ,	7.2	1
34	Whole-exome sequencing identifies genes associated with Tourette's disorder in multiplex families. <i>Molecular Psychiatry</i> , <b>2021</b> ,	15.1	4
33	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> , <b>2020</b> , 116, 103261	4.5	8
32	Whole Genome Sequencing and Assembly of the Asian Honey Bee <i>Apis dorsata</i> . <i>Genome Biology and Evolution</i> , <b>2020</b> , 12, 3677-3683	3.9	8
31	Alignment of Cell Lineage Trees Elucidates Genetic Programs for the Development and Evolution of Cell Types. <i>iScience</i> , <b>2020</b> , 23, 101273	6.1	5
30	Digestion-related proteins in the tobacco hornworm, <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2020</b> , 126, 103457	4.5	4
29	Polymorphic mobile element insertions contribute to gene expression and alternative splicing in human tissues. <i>Genome Biology</i> , <b>2020</b> , 21, 185	18.3	5
28	Changes in composition and levels of hemolymph proteins during metamorphosis of <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2020</b> , 127, 103489	4.5	3
27	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> , <b>2020</b> , 117, 23581-23587	11.5	10
26	The three-dimensional structure and recognition mechanism of <i>Manduca sexta</i> peptidoglycan recognition protein-1. <i>Insect Biochemistry and Molecular Biology</i> , <b>2019</b> , 108, 44-52	4.5	3
25	Expression and Characterization of Stress Responsive Peptide-1; an Inducer of Antimicrobial Peptide Synthesis <b>2019</b> , 4, 42-52		1
24	Integrated Modeling of Structural Genes Using MCuNovo. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1858, 45-57	1.4	1
23	The <i>Manduca sexta</i> serpinome: Analysis of serpin genes and proteins in the tobacco hornworm. <i>Insect Biochemistry and Molecular Biology</i> , <b>2018</b> , 102, 21-30	4.5	12
22	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> , <b>2018</b> , 103, 53-69	4.5	22
21	<i>Manduca sexta</i> serpin-12 controls the prophenoloxidase activation system in larval hemolymph. <i>Insect Biochemistry and Molecular Biology</i> , <b>2018</b> , 99, 27-36	4.5	9
20	Hemolymph proteins of <i>Anopheles gambiae</i> larvae infected by <i>Escherichia coli</i> . <i>Developmental and Comparative Immunology</i> , <b>2017</b> , 74, 110-124	3.2	5

19	Serpin-9 and -13 regulate hemolymph proteases during immune responses of <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2017</b> , 90, 71-81	4.5	9
18	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> , <b>2017</b> , 2017,	5	37
17	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> , <b>2017</b> , 18, 796	4.5	13
16	Serine protease-related proteins in the malaria mosquito, <i>Anopheles gambiae</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2017</b> , 88, 48-62	4.5	22
15	Solution Structure and Expression Profile of an Insect Cytokine: <i>Manduca sexta</i> Stress Response Peptide-2. <i>Protein and Peptide Letters</i> , <b>2017</b> , 24, 3-11	1.9	3
14	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> , <b>2016</b> , 15, 1176-87	7.6	19
13	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
12	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
11	The immune signaling pathways of <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , <b>2015</b> , 62, 64-74	4.5	56
10	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
9	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> , <b>2015</b> , 62, 2-10	4.5	19
8	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
7	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> , <b>2015</b> , 62, 11-22	4.5	17
6	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
5	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
4	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
3	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> , <b>2015</b> , 62, 114-26	4.5	72
2	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> , <b>2014</b> , 47, 46-54	4.5	25

1	CHAPTER 15: Structure and Function of Stress-Responsive Peptides in Insects. <i>RSC Drug Discovery Series</i> , 438-451	0.6	3
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