

Ze Zhang

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.

54
papers

57,436
citations

21
h-index

56
g-index

56
ext. papers

62,397
ext. citations

5.6
avg, IF

6.84
L-index

#	Paper	IF	Citations
54	piggyBac-based transgenic RNAi of serine protease 2 results in male sterility in <i>Hyphantria cunea</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2022 , 143, 103726	4.5	0
53	Identification of Genes Involved in Resistance to High Exogenous 20-Hydroxyecdysone in .. <i>Insects</i> , 2022 , 13,	2.8	1
52	Heat Shock Protein 70 Family in Response to Multiple Abiotic Stresses in the Silkworm. <i>Insects</i> , 2021 , 12,	2.8	1
51	Genus-Wide Characterization of Bumblebee Genomes Provides Insights into Their Evolution and Variation in Ecological and Behavioral Traits. <i>Molecular Biology and Evolution</i> , 2021 , 38, 486-501	8.3	12
50	Genome Sequence of the Asian Honeybee in Pakistan Sheds Light on Its Phylogenetic Relationship with Other Honeybees. <i>Insects</i> , 2021 , 12,	2.8	1
49	Solitary Living Brings a Decreased Weight and an Increased Agility to the Domestic Silkworm,. <i>Insects</i> , 2021 , 12,	2.8	1
48	Identification and Characterization of Genes Involved in Ecdysteroid Esterification Pathway Contributing to the High 20-Hydroxyecdysone Resistance of. <i>Frontiers in Physiology</i> , 2020 , 11, 508	4.6	2
47	Genetic and genomic analysis for cocoon yield traits in silkworm. <i>Scientific Reports</i> , 2020 , 10, 5682	4.9	4
46	Identification of genes involved in sex pheromone biosynthesis and metabolic pathway in the Chinese oak silkworm, <i>Antheraea pernyi</i> . <i>International Journal of Biological Macromolecules</i> , 2020 , 163, 1487-1497	7.9	4
45	A Comparison of Co-expression Networks in Silk Gland Reveals the Causes of Silk Yield Increase During Silkworm Domestication. <i>Frontiers in Genetics</i> , 2020 , 11, 225	4.5	2
44	Subcellular localization of mutated Ecatenins with different incidences of -peptide bonds at the Xaa246-P247 site in HepG2 cells. <i>FASEB Journal</i> , 2019 , 33, 6574-6583	0.9	2
43	SGID: a comprehensive and interactive database of the silkworm. <i>Database: the Journal of Biological Databases and Curation</i> , 2019 , 2019,	5	8
42	Functional characterization of the horizontally transferred 4,5-DOPA extradiol dioxygenase gene in the domestic silkworm, <i>Bombyx mori</i> . <i>Insect Molecular Biology</i> , 2019 , 28, 409-419	3.4	3
41	Comparative analysis of iTRAQ-based proteomes for cocoons between the domestic silkworm (<i>Bombyx mori</i>) and wild silkworm (<i>Bombyx mandarina</i>). <i>Journal of Proteomics</i> , 2019 , 192, 366-373	3.9	10
40	Genome-wide identification and evolution of TC1/Mariner in the silkworm (<i>Bombyx mori</i>) genome. <i>Genes and Genomics</i> , 2018 , 40, 485-495	2.1	4
39	Identification and comparison of long non-coding RNAs in the silk gland between domestic and wild silkworms. <i>Insect Science</i> , 2018 , 25, 604-616	3.6	12
38	Identification of two isoforms of Pop in the domestic silkworm, <i>Bombyx mori</i> : Cloning, characterization and expression analysis. <i>Gene</i> , 2018 , 667, 101-111	3.8	3

37	Ecdysone oxidase and 3-dehydroecdysone-3 β -reductase contribute to the synthesis of ecdysone during early embryonic development of the silkworm. <i>International Journal of Biological Sciences</i> , 2018 , 14, 1472-1482	11.2	13
36	Evidence of peripheral olfactory impairment in the domestic silkworms: insight from the comparative transcriptome and population genetics. <i>BMC Genomics</i> , 2018 , 19, 788	4.5	10
35	The dynamic landscape of gene regulation during <i>Bombyx mori</i> oogenesis. <i>BMC Genomics</i> , 2017 , 18, 714-723	4.5	7
34	Transcription factor E74A affects the ecdysone titer by regulating the expression of the EO gene in the silkworm, <i>Bombyx mori</i> . <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017 , 1861, 551-558	4	7
33	Ecdysone Titer Determined by 3DE-3 β -Reductase Enhances the Immune Response in the Silkworm. <i>Journal of Immunology</i> , 2016 , 196, 1646-54	5.3	23
32	Molecular cloning, expression and characterization of acylpeptide hydrolase in the silkworm, <i>Bombyx mori</i> . <i>Gene</i> , 2016 , 580, 8-16	3.8	1
31	BmncRNADB: a comprehensive database of non-coding RNAs in the silkworm, <i>Bombyx mori</i> . <i>BMC Bioinformatics</i> , 2016 , 17, 370	3.6	26
30	Comparative analysis of the silk gland transcriptomes between the domestic and wild silkworms. <i>BMC Genomics</i> , 2015 , 16, 60	4.5	56
29	Repeated horizontal transfers of four DNA transposons in invertebrates and bats. <i>Mobile DNA</i> , 2015 , 6, 3	4.4	27
28	Identification and evolution of the orphan genes in the domestic silkworm, <i>Bombyx mori</i> . <i>FEBS Letters</i> , 2015 , 589, 2731-8	3.8	12
27	Characterization of an epsilon-class glutathione S-transferase involved in tolerance in the silkworm larvae after long term exposure to insecticides. <i>Ecotoxicology and Environmental Safety</i> , 2015 , 120, 20-6	7	14
26	Demographic history and gene flow during silkworm domestication. <i>BMC Evolutionary Biology</i> , 2014 , 14, 185	3	21
25	An adaptive transposable element insertion in the regulatory region of the EO gene in the domesticated silkworm, <i>Bombyx mori</i> . <i>Molecular Biology and Evolution</i> , 2014 , 31, 3302-13	8.3	21
24	Copy number variations among silkworms. <i>BMC Genomics</i> , 2014 , 15, 251	4.5	9
23	Genetic diversity and population structure of wild <i>Dipsacus asperoides</i> in China as indicated by ISSR markers. <i>Genetics and Molecular Research</i> , 2014 , 13, 6340-9	1.2	1
22	Recurrent horizontal transfers of Chapaev transposons in diverse invertebrate and vertebrate animals. <i>Genome Biology and Evolution</i> , 2014 , 6, 1375-86	3.9	34
21	Detection of copy number variants in the horse genome and examination of their association with recurrent laryngeal neuropathy. <i>Animal Genetics</i> , 2013 , 44, 206-8	2.5	28
20	A novel hAT element in <i>Bombyx mori</i> and <i>Rhodnius prolixus</i> : its relationship with miniature inverted repeat transposable elements (MITEs) and horizontal transfer. <i>Insect Molecular Biology</i> , 2013 , 22, 584-96	3.4	13

19	Segmental duplications in the silkworm genome. <i>BMC Genomics</i> , 2013 , 14, 521	4.5	16
18	BmTEdb: a collective database of transposable elements in the silkworm genome. <i>Database: the Journal of Biological Databases and Curation</i> , 2013 , 2013, bat055	5	30
17	The origin and evolution of six miniature inverted-repeat transposable elements in <i>Bombyx mori</i> and <i>Rhodnius prolixus</i> . <i>Genome Biology and Evolution</i> , 2013 , 5, 2020-31	3.9	18
16	Molecular cloning and characterization of peroxiredoxin 4 involved in protection against oxidative stress in the silkworm <i>Bombyx mori</i> . <i>Insect Molecular Biology</i> , 2012 , 21, 581-92	3.4	17
15	Expansion of the silkworm GMC oxidoreductase genes is associated with immunity. <i>Insect Biochemistry and Molecular Biology</i> , 2012 , 42, 935-45	4.5	22
14	Molecular cloning and characterization of Ecdysone oxidase and 3-dehydroecdysone-3 β -reductase involved in the ecdysone inactivation pathway of silkworm, <i>Bombyx mori</i> . <i>International Journal of Biological Sciences</i> , 2012 , 8, 125-38	11.2	31
13	Annotation and evolution of the antioxidant genes in the silkworm, <i>Bombyx mori</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2012 , 79, 87-103	2.3	12
12	Phylogeny and evolutionary history of the silkworm. <i>Science China Life Sciences</i> , 2012 , 55, 483-96	8.5	43
11	Pathogen-origin horizontally transferred genes contribute to the evolution of Lepidopteran insects. <i>BMC Evolutionary Biology</i> , 2011 , 11, 356	3	33
10	Nucleotide diversity and selection signature in the domesticated silkworm, <i>Bombyx mori</i> , and wild silkworm, <i>Bombyx mandarina</i> . <i>Journal of Insect Science</i> , 2011 , 11, 155	2	19
9	Effect of organophosphate phoxim exposure on certain oxidative stress biomarkers in the silkworm. <i>Journal of Economic Entomology</i> , 2011 , 104, 101-6	2.2	39
8	Evidence of selection at melanin synthesis pathway loci during silkworm domestication. <i>Molecular Biology and Evolution</i> , 2011 , 28, 1785-99	8.3	41
7	Burst expansion, distribution and diversification of MITEs in the silkworm genome. <i>BMC Genomics</i> , 2010 , 11, 520	4.5	28
6	Complete resequencing of 40 genomes reveals domestication events and genes in silkworm (<i>Bombyx</i>). <i>Science</i> , 2009 , 326, 433-6	33.3	277
5	Annotation and expression of carboxylesterases in the silkworm, <i>Bombyx mori</i> . <i>BMC Genomics</i> , 2009 , 10, 553	4.5	99
4	Identification, genomic organization and expression pattern of glutathione S-transferase in the silkworm, <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2008 , 38, 1158-64	4.5	102
3	Microarray-based gene expression profiles in multiple tissues of the domesticated silkworm, <i>Bombyx mori</i> . <i>Genome Biology</i> , 2007 , 8, R162	18.3	249
2	WEGO: a web tool for plotting GO annotations. <i>Nucleic Acids Research</i> , 2006 , 34, W293-7	20.1	2180

- 1 Gapped BLAST and PSI-BLAST: a new generation of protein database search programs. *Nucleic Acids Research*, **1997**, 25, 3389-402 20.1 53786