Ze Zhang

List of Publications by Citations

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	Gapped BLAST and PSI-BLAST: a new generation of protein database search programs. *Nucleic Acids Research*, **1997**, 25, 3389-402	20.1	53786
53	WEGO: a web tool for plotting GO annotations. *Nucleic Acids Research*, **2006**, 34, W293-7	20.1	2180
52	Complete resequencing of 40 genomes reveals domestication events and genes in silkworm (Bombyx). *Science*, **2009**, 326, 433-6	33.3	277
51	Microarray-based gene expression profiles in multiple tissues of the domesticated silkworm, Bombyx mori. *Genome Biology*, **2007**, 8, R162	18.3	249
50	Identification, genomic organization and expression pattern of glutathione S-transferase in the silkworm, Bombyx mori. *Insect Biochemistry and Molecular Biology*, **2008**, 38, 1158-64	4.5	102
49	Annotation and expression of carboxylesterases in the silkworm, Bombyx mori. *BMC Genomics*, **2009**, 10, 553	4.5	99
48	Comparative analysis of the silk gland transcriptomes between the domestic and wild silkworms. *BMC Genomics*, **2015**, 16, 60	4.5	56
47	Phylogeny and evolutionary history of the silkworm. *Science China Life Sciences*, **2012**, 55, 483-96	8.5	43
46	Evidence of selection at melanin synthesis pathway loci during silkworm domestication. *Molecular Biology and Evolution*, **2011**, 28, 1785-99	8.3	41
45	Effect of organophosphate phoxim exposure on certain oxidative stress biomarkers in the silkworm. *Journal of Economic Entomology*, **2011**, 104, 101-6	2.2	39
44	Recurrent horizontal transfers of Chapaev transposons in diverse invertebrate and vertebrate animals. *Genome Biology and Evolution*, **2014**, 6, 1375-86	3.9	34
43	Pathogen-origin horizontally transferred genes contribute to the evolution of Lepidopteran insects. *BMC Evolutionary Biology*, **2011**, 11, 356	3	33
42	Molecular cloning and characterization of Ecdysone oxidase and 3-dehydroecdysone-3□reductase involved in the ecdysone inactivation pathway of silkworm, Bombyx mori. *International Journal of Biological Sciences*, **2012**, 8, 125-38	11.2	31
41	BmTEdb: a collective database of transposable elements in the silkworm genome. *Database: the Journal of Biological Databases and Curation*, **2013**, 2013, bat055	5	30
40	Detection of copy number variants in the horse genome and examination of their association with recurrent laryngeal neuropathy. *Animal Genetics*, **2013**, 44, 206-8	2.5	28
39	Burst expansion, distribution and diversification of MITEs in the silkworm genome. *BMC Genomics*, **2010**, 11, 520	4.5	28
38	Repeated horizontal transfers of four DNA transposons in invertebrates and bats. *Mobile DNA*, **2015**, 6, 3	4.4	27

37	BmncRNAdb: a comprehensive database of non-coding RNAs in the silkworm, Bombyx mori. *BMC Bioinformatics*, **2016**, 17, 370	3.6	26
36	Ecdysone Titer Determined by 3DE-3Reductase Enhances the Immune Response in the Silkworm. *Journal of Immunology*, **2016**, 196, 1646-54	5.3	23
35	Expansion of the silkworm GMC oxidoreductase genes is associated with immunity. *Insect Biochemistry and Molecular Biology*, **2012**, 42, 935-45	4.5	22
34	Demographic history and gene flow during silkworm domestication. *BMC Evolutionary Biology*, **2014**, 14, 185	3	21
33	An adaptive transposable element insertion in the regulatory region of the EO gene in the domesticated silkworm, Bombyx mori. *Molecular Biology and Evolution*, **2014**, 31, 3302-13	8.3	21
32	Nucleotide diversity and selection signature in the domesticated silkworm, Bombyx mori, and wild silkworm, Bombyx mandarina. *Journal of Insect Science*, **2011**, 11, 155	2	19
31	The origin and evolution of six miniature inverted-repeat transposable elements in Bombyx mori and Rhodnius prolixus. *Genome Biology and Evolution*, **2013**, 5, 2020-31	3.9	18
30	Molecular cloning and characterization of peroxiredoxin 4 involved in protection against oxidative stress in the silkworm Bombyx mori. *Insect Molecular Biology*, **2012**, 21, 581-92	3.4	17
29	Segmental duplications in the silkworm genome. *BMC Genomics*, **2013**, 14, 521	4.5	16
28	Characterization of an epsilon-class glutathione S-transferase involved in tolerance in the silkworm larvae after long term exposure to insecticides. *Ecotoxicology and Environmental Safety*, **2015**, 120, 20-6	7	14
27	A novel hAT element in Bombyx mori and Rhodnius prolixus: its relationship with miniature inverted repeat transposable elements (MITEs) and horizontal transfer. *Insect Molecular Biology*, **2013**, 22, 584-96	3.4	13
26	Ecdysone oxidase and 3-dehydroecdysone-3reductase contribute to the synthesis of ecdysone during early embryonic development of the silkworm. *International Journal of Biological Sciences*, **2018**, 14, 1472-1482	11.2	13
25	Identification and evolution of the orphan genes in the domestic silkworm, Bombyx mori. *FEBS Letters*, **2015**, 589, 2731-8	3.8	12
24	Identification and comparison of long non-coding RNAs in the silk gland between domestic and wild silkworms. *Insect Science*, **2018**, 25, 604-616	3.6	12
23	Annotation and evolution of the antioxidant genes in the silkworm, Bombyx mori. *Archives of Insect Biochemistry and Physiology*, **2012**, 79, 87-103	2.3	12
22	Genus-Wide Characterization of Bumblebee Genomes Provides Insights into Their Evolution and Variation in Ecological and Behavioral Traits. *Molecular Biology and Evolution*, **2021**, 38, 486-501	8.3	12
21	Comparative analysis of iTRAQ-based proteomes for cocoons between the domestic silkworm (Bombyx mori) and wild silkworm (Bombyx mandarina). *Journal of Proteomics*, **2019**, 192, 366-373	3.9	10
20	Evidence of peripheral olfactory impairment in the domestic silkworms: insight from the comparative transcriptome and population genetics. *BMC Genomics*, **2018**, 19, 788	4.5	10

19	Copy number variations among silkworms. *BMC Genomics*, **2014**, 15, 251	4.5	9
18	SGID: a comprehensive and interactive database of the silkworm. *Database: the Journal of Biological Databases and Curation*, **2019**, 2019,	5	8
17	The dynamic landscape of gene regulation during Bombyx mori oogenesis. *BMC Genomics*, **2017**, 18, 714	4.5	7
16	Transcription factor E74A affects the ecdysone titer by regulating the expression of the EO gene in the silkworm, Bomby mori. *Biochimica Et Biophysica Acta - General Subjects*, **2017**, 1861, 551-558	4	7
15	Genetic and genomic analysis for cocoon yield traits in silkworm. *Scientific Reports*, **2020**, 10, 5682	4.9	4
14	Genome-wide identification and evolution of TC1/Mariner in the silkworm (Bombyx mori) genome. *Genes and Genomics*, **2018**, 40, 485-495	2.1	4
13	Identification of genes involved in sex pheromone biosynthesis and metabolic pathway in the Chinese oak silkworm, Antheraea pernyi. *International Journal of Biological Macromolecules*, **2020**, 163, 1487-1497	7.9	4
12	Identification of two isoforms of Pop in the domestic silkworm, Bombyx mori: Cloning, characterization and expression analysis. *Gene*, **2018**, 667, 101-111	3.8	3
11	Functional characterization of the horizontally transferred 4,5-DOPA extradiol dioxygenase gene in the domestic silkworm, Bombyx mori. *Insect Molecular Biology*, **2019**, 28, 409-419	3.4	3
10	Subcellular localization of mutated □catenins with different incidences of -peptide bonds at the Xaa246-P247 site in HepG2 cells. *FASEB Journal*, **2019**, 33, 6574-6583	0.9	2
9	Identification and Characterization of Genes Involved in Ecdysteroid Esterification Pathway Contributing to the High 20-Hydroxyecdysone Resistance of. *Frontiers in Physiology*, **2020**, 11, 508	4.6	2
8	A Comparison of Co-expression Networks in Silk Gland Reveals the Causes of Silk Yield Increase During Silkworm Domestication. *Frontiers in Genetics*, **2020**, 11, 225	4.5	2
7	Molecular cloning, expression and characterization of acylpeptide hydrolase in the silkworm, Bombyx mori. *Gene*, **2016**, 580, 8-16	3.8	1
6	Genetic diversity and population structure of wild Dipsacus asperoides in China as indicated by ISSR markers. *Genetics and Molecular Research*, **2014**, 13, 6340-9	1.2	1
5	Heat Shock Protein 70 Family in Response to Multiple Abiotic Stresses in the Silkworm. *Insects*, **2021**, 12,	2.8	1
4	Genome Sequence of the Asian Honeybee in Pakistan Sheds Light on Its Phylogenetic Relationship with Other Honeybees. *Insects*, **2021**, 12,	2.8	1
3	Solitary Living Brings a Decreased Weight and an Increased Agility to the Domestic Silkworm,. *Insects*, **2021**, 12,	2.8	1
2	Identification of Genes Involved in Resistance to High Exogenous 20-Hydroxyecdysone in .. *Insects*, **2022**, 13,	2.8	1

1	piggyBac-based transgenic RNAi of serine protease 2 results in male sterility in Hyphantria cunea.. *Insect Biochemistry and Molecular Biology*, **2022**, 143, 103726	4.5	0