Bo-xiong Zhong

List of Publications by Year
in descending order

47 papers	753 citations	430874 18 h-index	552781 26 g-index
47 all docs	47 docs citations	47 times ranked	617 citing authors

#	Article	IF	Citations
1	Comparative Proteomic Analysis between the Domesticated Silkworm (Bombyx mori) Reared on Fresh Mulberry Leaves and on Artificial Diet. Journal of Proteome Research, 2008, 7, 5103-5111.	3.7	84
2	Possible Effect of 30K Proteins in Embryonic Development of Silkworm Bombyx mori. Acta Biochimica Et Biophysica Sinica, 2005, 37, 355-361.	2.0	45
3	Comparative proteomic and phosphoproteomic analysis of the silkworm (Bombyx mori) posterior silk gland under high temperature treatment. Molecular Biology Reports, 2012, 39, 8447-8456.	2.3	45
4	Quantitative Proteomic and Transcriptomic Analyses of Molecular Mechanisms Associated with Low Silk Production in Silkworm Bombyx mori. Journal of Proteome Research, 2014, 13, 735-751.	3.7	37
5	Proteomic and Bioinformatic Analysis on Endocrine Organs of Domesticated Silkworm, Bombyx mori L. for a Comprehensive Understanding of Their Roles and Relations. Journal of Proteome Research, 2009, 8, 2620-2632.	3.7	36
6	MicroRNA expression profiling of the fifth-instar posterior silk gland of Bombyx mori. BMC Genomics, 2014, 15, 410.	2.8	36
7	Expression Profiling and Regulation of Genes Related to Silkworm Posterior Silk Gland Development and Fibroin Synthesis. Journal of Proteome Research, 2011, 10, 3551-3564.	3.7	31
8	Comparative analysis on the expression of inducible HSPs in the silkworm, Bombyx mori. Molecular Biology Reports, 2012, 39, 3915-3923.	2.3	28
9	Comparative proteomic analysis of the silkworm middle silk gland reveals the importance of ribosome biogenesis in silk protein production. Journal of Proteomics, 2015, 126, 109-120.	2.4	28
10	Comparative Proteomic Analysis of Posterior Silk Glands of Wild and Domesticated Silkworms Reveals Functional Evolution during Domestication. Journal of Proteome Research, 2017, 16, 2495-2507.	3.7	28
11	Accumulation of Pathogenesis-related Type-5 Like Proteins in Phytoplasmainfected Garland Chrysanthemum Chrysanthemum coronarium. Acta Biochimica Et Biophysica Sinica, 2004, 36, 773-779.	2.0	23
12	Proteome analysis on differentially expressed proteins of the fat body of two silkworm breeds, Bombyx mori, exposed to heat shock exposure. Biotechnology and Bioprocess Engineering, 2008, 13, 624-631.	2.6	21
13	Analyses of the Molecular Mechanisms Associated with Silk Production in Silkworm by iTRAQ-Based Proteomics and RNA-Sequencing-Based Transcriptomics. Journal of Proteome Research, 2016, 15, 15-28.	3.7	21
14	Extraordinary Mechanical Properties of Composite Silk Through Hereditable Transgenic Silkworm Expressing Recombinant Major Ampullate Spidroin. Scientific Reports, 2018, 8, 15956.	3.3	21
15	Shotgun proteomic analysis on the embryos of silkworm Bombyx mori at the end of organogenesis. Insect Biochemistry and Molecular Biology, 2010, 40, 293-302.	2.7	20
16	Proteome Analysis of Silkworm, Bombyx mori, Larval Gonads: Characterization of Proteins Involved in Sexual Dimorphism and Gametogenesis. Journal of Proteome Research, 2013, 12, 2422-2438.	3.7	20
17	Comparison of Transformation Efficiency of piggyBac Transposon among Three Different Silkworm Bombyx mori Strains. Acta Biochimica Et Biophysica Sinica, 2007, 39, 117-122.	2.0	19
18	Shotgun strategy-based proteome profiling analysis on the head of silkworm Bombyx mori. Amino Acids, 2010, 39, 751-761.	2.7	19

#	Article	IF	Citations
19	From genome to proteome: great progress in the domesticated silkworm (<italic>Bombyx) Tj ETQq1 1 0.784314 rgBT	2.0	17
20	Shotgun proteomic analysis of the fat body during metamorphosis of domesticated silkworm (Bombyx) Tj ETQq0 0 0 rgBT /Overlock 10	2.7	16
21	Proteomic profiling of the hemolymph at the fifth instar of the silkworm Bombyx mori. Insect Science, 2012, 19, 441-454.	3.0	15
22	High mechanical property silk produced by transgenic silkworms expressing the spidroins PySp1 and ASG1. Scientific Reports, 2021, 11, 20980.	3.3	13
23	TAL effectors mediate high-efficiency transposition of the piggyBac transposon in silkworm Bombyx mori L. Scientific Reports, 2015, 5, 17172.	3.3	12
24	Improving Silkworm Genome Annotation Using a Proteogenomics Approach. Journal of Proteome Research, 2019, 18, 3009-3019.	3.7	11
25	Phosphoproteomic analysis of the posterior silk gland of Bombyx mori provides novel insight into phosphorylation regulating the silk production. Journal of Proteomics, 2016, 148, 194-201.	2.4	10
26	High-efficiency production of human serum albumin in the posterior silk glands of transgenic silkworms, Bombyx mori L. PLoS ONE, 2018, 13, e0191507.	2.5	10
27	Analysis of the sericin1 promoter and assisted detection of exogenous gene expression efficiency in the silkworm Bombyx mori L.. Scientific Reports, 2015, 5, 8301.	3.3	9
28	Mechanism of the growth and development of the posterior silk gland and silk secretion revealed by mutation of the fibroin light chain in silkworm. International Journal of Biological Macromolecules, 2021, 188, 375-384.	7.5	9
29	Recombinant Silk Proteins with Additional Polyalanine Have Excellent Mechanical Properties. International Journal of Molecular Sciences, 2021, 22, 1513.	4.1	8
30	The relationship between internal domain sequences of <italic>piggyBac</italic> and its transposition efficiency in BmN cells and <italic>Bombyx mori</italic>. Acta Biochimica Et Biophysica Sinica, 2010, 42, 426-431.	2.0	7
31	Characterization of Transgenic Silkworm Yielded Biomaterials with Calcium-Binding Activity. PLoS ONE, 2016, 11, e0159111.	2.5	7
32	Proteome analysis on lethal effect of l 2 in the sex-linked balanced lethal strains of silkworm, Bombyx mori. Biotechnology and Bioprocess Engineering, 2012, 17, 298-308.	2.6	6
33	Human epidermal growth factor-functionalized cocoon silk with improved cell proliferation activity for the fabrication of wound dressings. Journal of Biomaterials Applications, 2021, 36, 722-730.	2.4	6
34	Transgenic silkworms secrete the recombinant glycosylated MRJP1 protein of Chinese honeybee, Apis cerana cerana. Transgenic Research, 2017, 26, 653-663.	2.4	5
35	Comparative mRNA and LncRNA Analysis of the Molecular Mechanisms Associated With Low Silk Production in Bombyx mori. Frontiers in Genetics, 2020, 11, 592128.	2.3	5
36	An assembly model of Rice dwarf virus particle. Science in China Series C: Life Sciences, 2004, 47, 92.	1.3	4

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37	RNA-binding Domain of the Key Structural Protein P7 for the Rice dwarf virus Particle Assembly. Acta Biochimica Et Biophysica Sinica, 2005, 37, 55-60.	2.0	4
38	The clustered regularly interspaced short palindromic repeats/associated proteins system for the induction of gene mutations and phenotypic changes inBombyx mori. Acta Biochimica Et Biophysica Sinica, 2016, 48, 1112-1119.	2.0	3
39	Proteome identification of the silkworm middle silk gland. Data in Brief, 2016, 6, 903-907.	1.0	3
40	Role of sericin 1 in the immune system of silkworms revealed by transcriptomic and proteomic analyses after gene knockout. FEBS Open Bio, 2021, 11, 2304-2318.	2.3	3
41	P25 Gene Knockout Contributes to Human Epidermal Growth Factor Production in Transgenic Silkworms. International Journal of Molecular Sciences, 2021, 22, 2709.	4.1	2
42	Mechanism of silk secretion revealed by proteomic analysis of silkworm cocoons with fibroin light chain mutations. Journal of Proteomics, 2022, 265, 104649.	2.4	2
43	Transgenic breeding of anti-Bombyx moriL. nuclear polyhedrosis virus silkwormBombyx mori. Acta Biochimica Et Biophysica Sinica, 2008, 40, 873-876.	2.0	1
44	Analysis of Protein Expression Patterns of Silkworm Jinqiu and Its Cross Parents. Agricultural Sciences in China, 2009, 8, 1130-1137.	0.6	1
45	Analysis of the activity of virus internal ribosome entry site in silkworm Bombyx mori. Acta Biochimica Et Biophysica Sinica, 2013, 45, 534-539.	2.0	1
46	MicroRNA of the fifth-instar posterior silk gland of silkworm identified by Solexa sequencing. Genomics Data, 2014, 2, 318-319.	1.3	1
47	Application of proteomic technology in silkworm research. Oriental Insects, 2007, 41, 453-458.	0.3	0