

# Bo-xiong Zhong

## List of Publications by Year in descending order

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47  
papers

753  
citations

430874

18  
h-index

552781

26  
g-index

47  
all docs

47  
docs citations

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times ranked

617  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanism of silk secretion revealed by proteomic analysis of silkworm cocoons with fibroin light chain mutations. <i>Journal of Proteomics</i> , 2022, 265, 104649.	2.4	2
2	Recombinant Silk Proteins with Additional Polyalanine Have Excellent Mechanical Properties. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1513.	4.1	8
3	P25 Gene Knockout Contributes to Human Epidermal Growth Factor Production in Transgenic Silkworms. <i>International Journal of Molecular Sciences</i> , 2021, 22, 2709.	4.1	2
4	Human epidermal growth factor-functionalized cocoon silk with improved cell proliferation activity for the fabrication of wound dressings. <i>Journal of Biomaterials Applications</i> , 2021, 36, 722-730.	2.4	6
5	Role of sericin 1 in the immune system of silkworms revealed by transcriptomic and proteomic analyses after gene knockout. <i>FEBS Open Bio</i> , 2021, 11, 2304-2318.	2.3	3
6	Mechanism of the growth and development of the posterior silk gland and silk secretion revealed by mutation of the fibroin light chain in silkworm. <i>International Journal of Biological Macromolecules</i> , 2021, 188, 375-384.	7.5	9
7	High mechanical property silk produced by transgenic silkworms expressing the spidroins PySp1 and ASG1. <i>Scientific Reports</i> , 2021, 11, 20980.	3.3	13
8	Comparative mRNA and LncRNA Analysis of the Molecular Mechanisms Associated With Low Silk Production in <i>Bombyx mori</i> . <i>Frontiers in Genetics</i> , 2020, 11, 592128.	2.3	5
9	Improving Silkworm Genome Annotation Using a Proteogenomics Approach. <i>Journal of Proteome Research</i> , 2019, 18, 3009-3019.	3.7	11
10	Extraordinary Mechanical Properties of Composite Silk Through Hereditary Transgenic Silkworm Expressing Recombinant Major Ampullate Spidroin. <i>Scientific Reports</i> , 2018, 8, 15956.	3.3	21
11	High-efficiency production of human serum albumin in the posterior silk glands of transgenic silkworms, <i>Bombyx mori</i> L. <i>PLoS ONE</i> , 2018, 13, e0191507.	2.5	10
12	Comparative Proteomic Analysis of Posterior Silk Glands of Wild and Domesticated Silkworms Reveals Functional Evolution during Domestication. <i>Journal of Proteome Research</i> , 2017, 16, 2495-2507.	3.7	28
13	Transgenic silkworms secrete the recombinant glycosylated MRJP1 protein of Chinese honeybee, <i>Apis cerana cerana</i> . <i>Transgenic Research</i> , 2017, 26, 653-663.	2.4	5
14	Phosphoproteomic analysis of the posterior silk gland of <i>Bombyx mori</i> provides novel insight into phosphorylation regulating the silk production. <i>Journal of Proteomics</i> , 2016, 148, 194-201.	2.4	10
15	The clustered regularly interspaced short palindromic repeats/associated proteins system for the induction of gene mutations and phenotypic changes in <i>Bombyx mori</i> . <i>Acta Biochimica Et Biophysica Sinica</i> , 2016, 48, 1112-1119.	2.0	3
16	Analyses of the Molecular Mechanisms Associated with Silk Production in Silkworm by iTRAQ-Based Proteomics and RNA-Sequencing-Based Transcriptomics. <i>Journal of Proteome Research</i> , 2016, 15, 15-28.	3.7	21
17	Proteome identification of the silkworm middle silk gland. <i>Data in Brief</i> , 2016, 6, 903-907.	1.0	3
18	Characterization of Transgenic Silkworm Yielded Biomaterials with Calcium-Binding Activity. <i>PLoS ONE</i> , 2016, 11, e0159111.	2.5	7

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19	Analysis of the sericin1 promoter and assisted detection of exogenous gene expression efficiency in the silkworm <i>Bombyx mori</i> L. <i>Scientific Reports</i> , 2015, 5, 8301.	3.3	9
20	TAL effectors mediate high-efficiency transposition of the piggyBac transposon in silkworm <i>Bombyx mori</i> L. <i>Scientific Reports</i> , 2015, 5, 17172.	3.3	12
21	Comparative proteomic analysis of the silkworm middle silk gland reveals the importance of ribosome biogenesis in silk protein production. <i>Journal of Proteomics</i> , 2015, 126, 109-120.	2.4	28
22	MicroRNA of the fifth-instar posterior silk gland of silkworm identified by Solexa sequencing. <i>Genomics Data</i> , 2014, 2, 318-319.	1.3	1
23	Quantitative Proteomic and Transcriptomic Analyses of Molecular Mechanisms Associated with Low Silk Production in Silkworm <i>Bombyx mori</i> . <i>Journal of Proteome Research</i> , 2014, 13, 735-751.	3.7	37
24	MicroRNA expression profiling of the fifth-instar posterior silk gland of <i>Bombyx mori</i> . <i>BMC Genomics</i> , 2014, 15, 410.	2.8	36
25	Proteome Analysis of Silkworm, <i>Bombyx mori</i> , Larval Gonads: Characterization of Proteins Involved in Sexual Dimorphism and Gametogenesis. <i>Journal of Proteome Research</i> , 2013, 12, 2422-2438.	3.7	20
26	Analysis of the activity of virus internal ribosome entry site in silkworm <i>Bombyx mori</i> . <i>Acta Biochimica Et Biophysica Sinica</i> , 2013, 45, 534-539.	2.0	1
27	Comparative proteomic and phosphoproteomic analysis of the silkworm ( <i>Bombyx mori</i> ) posterior silk gland under high temperature treatment. <i>Molecular Biology Reports</i> , 2012, 39, 8447-8456.	2.3	45
28	Proteome analysis on lethal effect of <i>l2</i> in the sex-linked balanced lethal strains of silkworm, <i>Bombyx mori</i> . <i>Biotechnology and Bioprocess Engineering</i> , 2012, 17, 298-308.	2.6	6
29	Proteomic profiling of the hemolymph at the fifth instar of the silkworm <i>Bombyx mori</i> . <i>Insect Science</i> , 2012, 19, 441-454.	3.0	15
30	Comparative analysis on the expression of inducible HSPs in the silkworm, <i>Bombyx mori</i> . <i>Molecular Biology Reports</i> , 2012, 39, 3915-3923.	2.3	28
31	Expression Profiling and Regulation of Genes Related to Silkworm Posterior Silk Gland Development and Fibroin Synthesis. <i>Journal of Proteome Research</i> , 2011, 10, 3551-3564.	3.7	31
32	Shotgun proteomic analysis of the fat body during metamorphosis of domesticated silkworm ( <i>Bombyx mori</i> ). <i>Journal of Proteome Research</i> , 2010, 9, 1610-1619.	2.7	16
33	Shotgun strategy-based proteome profiling analysis on the head of silkworm <i>Bombyx mori</i> . <i>Amino Acids</i> , 2010, 39, 751-761.	2.7	19
34	The relationship between internal domain sequences of piggyBac and its transposition efficiency in BmN cells and <i>Bombyx mori</i> . <i>Acta Biochimica Et Biophysica Sinica</i> , 2010, 42, 426-431.	2.0	7
35	Shotgun proteomic analysis on the embryos of silkworm <i>Bombyx mori</i> at the end of organogenesis. <i>Insect Biochemistry and Molecular Biology</i> , 2010, 40, 293-302.	2.7	20
36	Proteomic and Bioinformatic Analysis on Endocrine Organs of Domesticated Silkworm, <i>Bombyx mori</i> L. for a Comprehensive Understanding of Their Roles and Relations. <i>Journal of Proteome Research</i> , 2009, 8, 2620-2632.	3.7	36

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37	Analysis of Protein Expression Patterns of Silkworm Jinqiu and Its Cross Parents. <i>Agricultural Sciences in China</i> , 2009, 8, 1130-1137.	0.6	1
38	Proteome analysis on differentially expressed proteins of the fat body of two silkworm breeds, <i>Bombyx mori</i> , exposed to heat shock exposure. <i>Biotechnology and Bioprocess Engineering</i> , 2008, 13, 624-631.	2.6	21
39	From genome to proteome: great progress in the domesticated silkworm (&lt;it;Bombyx mori&gt;). <i>Trends in Bioinformatics and Biotechnology</i> , 2008, 9, 17-20.	1.1	17
40	Transgenic breeding of anti- <i>Bombyx mori</i> L. nuclear polyhedrosis virus silkworm <i>Bombyx mori</i> . <i>Acta Biochimica Et Biophysica Sinica</i> , 2008, 40, 873-876.	2.0	1
41	Comparative Proteomic Analysis between the Domesticated Silkworm (<it;Bombyx mori&gt;) Reared on Fresh Mulberry Leaves and on Artificial Diet. <i>Journal of Proteome Research</i> , 2008, 7, 5103-5111.	3.7	84
42	Application of proteomic technology in silkworm research. <i>Oriental Insects</i> , 2007, 41, 453-458.	0.3	0
43	Comparison of Transformation Efficiency of piggyBac Transposon among Three Different Silkworm <i>Bombyx mori</i> Strains. <i>Acta Biochimica Et Biophysica Sinica</i> , 2007, 39, 117-122.	2.0	19
44	Possible Effect of 30K Proteins in Embryonic Development of Silkworm <i>Bombyx mori</i> . <i>Acta Biochimica Et Biophysica Sinica</i> , 2005, 37, 355-361.	2.0	45
45	RNA-binding Domain of the Key Structural Protein P7 for the Rice dwarf virus Particle Assembly. <i>Acta Biochimica Et Biophysica Sinica</i> , 2005, 37, 55-60.	2.0	4
46	Accumulation of Pathogenesis-related Type-5 Like Proteins in Phytoplasmainfected Garland <i>Chrysanthemum coronarium</i> . <i>Acta Biochimica Et Biophysica Sinica</i> , 2004, 36, 773-779.	2.0	23
47	An assembly model of Rice dwarf virus particle. <i>Science in China Series C: Life Sciences</i> , 2004, 47, 92.	1.3	4