Zhaoming Dong

List of Publications by Year
in descending order

156	6,198	87888 38	85541 71
papers	citations	h-index	g-index

168	168	168	5179
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Draft Sequence for the Genome of the Domesticated Silkworm (Bombyx mori). Science, 2004, 306, 1937-1940.	12.6	994
2	Complete Resequencing of 40 Genomes Reveals Domestication Events and Genes in Silkworm () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	12.6	342
3	Microarray-based gene expression profiles in multiple tissues of the domesticated silkworm, Bombyx mori. Genome Biology, 2007, 8, R162.	9.6	271
4	The Odorant Binding Protein Gene Family from the Genome of Silkworm, Bombyx mori. BMC Genomics, 2009, 10, 332.	2.8	245
5	Identification and expression pattern of the chemosensory protein gene family in the silkworm, Bombyx mori. Insect Biochemistry and Molecular Biology, 2007, 37, 266-277.	2.7	175
6	Design and performance of sericin/poly(vinyl alcohol) hydrogel as a drug delivery carrier for potential wound dressing application. Materials Science and Engineering C, 2019, 101, 341-351.	7.3	163
7	Systematic Identification and Characterization of Long Non-Coding RNAs in the Silkworm, Bombyx mori. PLoS ONE, 2016, 11, e0147147.	2.5	155
8	Preparation and characterization of silk sericin/PVA blend film with silver nanoparticles for potential antimicrobial application. International Journal of Biological Macromolecules, 2017, 104, 457-464.	7.5	135
9	CRISPR/Cas9 mediated multiplex genome editing and heritable mutagenesis of BmKu70 in Bombyx mori. Scientific Reports, 2014, 4, 4489.	3.3	121
10	Structures, regulatory regions, and inductive expression patterns of antimicrobial peptide genes in the silkworm Bombyx mori. Genomics, 2006, 87, 356-365.	2.9	113
11	2A self-cleaving peptide-based multi-gene expression system in the silkworm Bombyx mori. Scientific Reports, 2015, 5, 16273.	3.3	102
12	In situ green synthesis and characterization of sericin-silver nanoparticle composite with effective antibacterial activity and good biocompatibility. Materials Science and Engineering C, 2017, 80, 509-516.	7.3	97
13	Genome-wide identification and expression analysis of serine proteases and homologs in the silkworm Bombyx mori. BMC Genomics, 2010, 11, 405.	2.8	84
14	Highly efficient multiplex targeted mutagenesis and genomic structure variation in Bombyx mori cells using CRISPR/Cas9. Insect Biochemistry and Molecular Biology, 2014, 49, 35-42.	2.7	79
15	Cartilage endplate stem cells inhibit intervertebral disc degeneration by releasing exosomes to nucleus pulposus cells to activate Akt/autophagy. Stem Cells, 2021, 39, 467-481.	3.2	79
16	Genome-Wide Identification and Immune Response Analysis of Serine Protease Inhibitor Genes in the Silkworm, Bombyx mori. PLoS ONE, 2012, 7, e31168.	2.5	77
17	Reference genes identified in the silkworm Bombyx mori during metamorphism based on oligonucleotide microarray and confirmed by qRTâ€PCR. Insect Science, 2008, 15, 405-413.	3.0	75
18	Comparative Proteomics Reveal Diverse Functions and Dynamic Changes of Bombyx mori Silk Proteins Spun from Different Development Stages. Journal of Proteome Research, 2013, 12, 5213-5222.	3.7	75

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19	Comparative analysis of proteome maps of silkworm hemolymph during different developmental stages. Proteome Science, 2010, 8, 45.	1.7	72
20	Stimulator of interferon genes (STING) provides insect antiviral immunity by promoting Dredd caspaseâ€“mediated NF-lºB activation. Journal of Biological Chemistry, 2018, 293, 11878-11890.	3.4	67
21	Controllable in situ synthesis of silver nanoparticles on multilayered film-coated silk fibers for antibacterial application. Journal of Colloid and Interface Science, 2016, 461, 369-375.	9.4	61
22	Studies on middle and posterior silk glands of silkworm (Bombyx mori) using two-dimensional electrophoresis and mass spectrometry. Insect Biochemistry and Molecular Biology, 2007, 37, 486-496.	2.7	60
23	Polydopamine-Assisted Silver Nanoparticle Self-Assembly on Sericin/Agar Film for Potential Wound Dressing Application. International Journal of Molecular Sciences, 2018, 19, 2875.	4.1	58
24	Structural and Mechanical Properties of Silk from Different Instars of Bombyx mori. Biomacromolecules, 2019, 20, 1203-1216.	5.4	58
25	A novel protease inhibitor in Bombyx mori is involved in defense against Beauveria bassiana. Insect Biochemistry and Molecular Biology, 2012, 42, 766-775.	2.7	56
26	Haplotype-resolved genome of diploid ginger (Zingiber officinale) and its unique gingerol biosynthetic pathway. Horticulture Research, 2021, 8, 189.	6.3	53
27	Heparinized silk fibroin hydrogels loading FGF1 promote the wound healing in rats with full-thickness skin excision. BioMedical Engineering OnLine, 2019, 18, 97.	2.7	51
28	Genome editing of BmFib-H gene provides an empty Bombyx mori silk gland for a highly efficient bioreactor. Scientific Reports, 2014, 4, 6867.	3.3	46
29	Fabrication of the FGF1-functionalized sericin hydrogels with cell proliferation activity for biomedical application using genetically engineered Bombyx mori (B. mori) silk. Acta Biomaterialia, 2018, 79, 239-252.	8.3	46
30	Modifying the Mechanical Properties of Silk Fiber by Genetically Disrupting the Ionic Environment for Silk Formation. Biomacromolecules, 2015, 16, 3119-3125.	5.4	44
31	Identification and Characterization of Novel Chitin-Binding Proteins from the Larval Cuticle of Silkworm, Bombyx mori. Journal of Proteome Research, 2016, 15, 1435-1445.	3.7	44
32	In vivo effects of metal ions on conformation and mechanical performance of silkworm silks. Biochimica Et Biophysica Acta - General Subjects, 2017, 1861, 567-576.	2.4	44
33	TIL-type protease inhibitors may be used as targeted resistance factors to enhance silkworm defenses against invasive fungi. Insect Biochemistry and Molecular Biology, 2015, 57, 11-19.	2.7	43
34	Advanced silk material spun by a transgenic silkworm promotes cell proliferation for biomedical application. Acta Biomaterialia, 2014, 10, 4947-4955.	8.3	42
35	Identification of Bombyx mori sericin 4 protein as a new biological adhesive. International Journal of Biological Macromolecules, 2019, 132, 1121-1130.	7.5	42
36	Pigmentary analysis of eggs of the silkworm Bombyx mori. Journal of Insect Physiology, 2017, 101, 142-150.	2.0	41

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37	Identification and Molecular Characterization of a Chitin Deacetylase from Bombyx mori Peritrophic Membrane. International Journal of Molecular Sciences, 2014, 15, 1946-1961.	4.1	39
38	Proteomics of larval hemolymph in Bombyx mori reveals various nutrient-storage and immunity-related proteins. Amino Acids, 2014, 46, 1021-1031.	2.7	39
39	Biosynthesis and Characterization of AgNPsâ€“Silk/PVA Film for Potential Packaging Application. Materials, 2017, 10, 667.	2.9	38
40	Enhanced antiviral immunity against Bombyx mori cytoplasmic polyhedrosis virus via overexpression of peptidoglycan recognition protein S2 in transgenic silkworms. Developmental and Comparative Immunology, 2018, 87, 84-89.	2.3	38
41	Antenna-Specific Glutathione S-Transferase in Male Silkmoth Bombyx mori. International Journal of Molecular Sciences, 2014, 15, 7429-7443.	4.1	37
42	Analysis of proteome dynamics inside the silk gland lumen of Bombyx mori. Scientific Reports, 2016, 6, 21158.	3.3	36
43	Transcriptome analysis of interactions between silkworm and cytoplasmic polyhedrosis virus. Scientific Reports, 2016, 6, 24894.	3.3	35
44	An integrated CRISPR Bombyx mori genome editing system with improved efficiency and expanded target sites. Insect Biochemistry and Molecular Biology, 2017, 83, 13-20.	2.7	34
45	Comparative Proteome Analysis of Multi-Layer Cocoon of the Silkworm, Bombyx mori. PLoS ONE, 2015, 10, e0123403.	2.5	34
46	Fabrication of Sericin/Agrose Gel Loaded Lysozyme and Its Potential in Wound Dressing Application. Nanomaterials, 2018, 8, 235.	4.1	33
47	Basic Helix-Loop-Helix Transcription Factor Bmsage Is Involved in Regulation of fibroin H-chain Gene via Interaction with SGF1 in Bombyx mori. PLoS ONE, 2014, 9, e94091.	2.5	33
48	A Novel AgNPs/Sericin/Agar Film with Enhanced Mechanical Property and Antibacterial Capability. Molecules, 2018, 23, 1821.	3.8	32
49	Identification of novel members reveals the structural and functional divergence of lepidopteran-specific Lipoprotein_11 family. Functional and Integrative Genomics, 2012, 12, 705-715.	3.5	31
50	Roles of ncRNAs as ceRNAs in Gastric Cancer. Genes, 2021, 12, 1036.	2.4	31
51	Shotgun proteomic analysis of the Bombyx mori anterior silk gland: An insight into the biosynthetic fiber spinning process. Proteomics, 2013, 13, 2657-2663.	2.2	30
52	Injectable cartilage matrix hydrogel loaded with cartilage endplate stem cells engineered to release exosomes for non-invasive treatment of intervertebral disc degeneration. Bioactive Materials, 2022, 15, 29-43.	15.6	30
53	Protein composites from silkworm cocoons as versatile biomaterials. Acta Biomaterialia, 2021, 121, 180-192.	8.3	29
54	Proteins in the Cocoon of Silkworm Inhibit the Growth of Beauveria bassiana. PLoS ONE, 2016, 11, e0151764.	2.5	29

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55	Proteomic analysis of Bombyx mori molting fluid: Insights into the molting process. Journal of Proteomics, 2018, 173, 115-125.	2.4	28
56	Genetically engineered bi-functional silk material with improved cell proliferation and anti-inflammatory activity for medical application. Acta Biomaterialia, 2019, 86, 148-157.	8.3	28
57	Large-scale production of bioactive recombinant human acidic fibroblast growth factor in transgenic silkworm cocoons. Scientific Reports, 2015, 5, 16323.	3.3	27
58	In Situ Synthesis of Silver Nanoparticles on the Polyelectrolyte-Coated Sericin/PVA Film for Enhanced Antibacterial Application. Materials, 2017, 10, 967.	2.9	27
59	DNA methylation on N6-adenine in lepidopteran Bombyx mori. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2018, 1861, 815-825.	1.9	27
60	Genetically engineered pH-responsive silk sericin nanospheres with efficient therapeutic effect on ulcerative colitis. Acta Biomaterialia, 2022, 144, 81-95.	8.3	27
61	Analysis of the structure and expression of the 30K protein genes in silkworm, Bombyx mori. Insect Science, 2007, 14, 5.	3.0	26
62	Ca2+ and endoplasmic reticulum Ca2+-ATPase regulate the formation of silk fibers with favorable mechanical properties. Journal of Insect Physiology, 2015, 73, 53-59.	2.0	26
63	Transgenic Silkworm-Based Silk Gland Bioreactor for Large Scale Production of Bioactive Human Platelet-Derived Growth Factor (PDGF-BB) in Silk Cocoons. International Journal of Molecular Sciences, 2018, 19, 2533.	4.1	25
64	Polydopamine-Based Surface Modification of ZnO Nanoparticles on Sericin/Polyvinyl Alcohol Composite Film for Antibacterial Application. Molecules, 2019, 24, 503.	3.8	25
65	Transcriptomic Analysis of the Anterior Silk Gland in the Domestic Silkworm (Bombyx mori) â€“ Insight into the Mechanism of Silk Formation and Spinning. PLoS ONE, 2015, 10, e0139424.	2.5	25
66	GC/MS-based metabolomic studies reveal key roles of glycine inÂregulating silk synthesis in silkworm, Bombyx mori. Insect Biochemistry and Molecular Biology, 2015, 57, 41-50.	2.7	24
67	Comparative transcriptome analysis of Bombyx mori spinnerets and Filippi's glands suggests their role in silk fiber formation. Insect Biochemistry and Molecular Biology, 2016, 68, 89-99.	2.7	24
68	Comparative proteomics analysis of silkworm hemolymph during the stages of metamorphosis via liquid chromatography and mass spectrometry. Proteomics, 2016, 16, 1421-1431.	2.2	23
69	Integrative Proteomics and Metabolomics Analysis of Insect Larva Brain: Novel Insights into the Molecular Mechanism of Insect Wandering Behavior. Journal of Proteome Research, 2016, 15, 193-204.	3.7	23
70	Convergently-evolved structural anomalies in the coiled coil domains of insect silk proteins. Journal of Structural Biology, 2014, 186, 402-411.	2.8	22
71	Structural insights into the unique inhibitory mechanism of the silkworm protease inhibitor serpin18. Scientific Reports, 2015, 5, 11863.	3.3	22
72	GC/MS-based metabolomics analysis reveals active fatty acids biosynthesis in the Filippi's gland of the silkworm, Bombyx mori, during silk spinning. Insect Biochemistry and Molecular Biology, 2019, 105, 1-9.	2.7	22

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73	Shotgun analysis on the peritrophic membrane of the silkworm Bombyx mori. BMB Reports, 2012, 45, 665-670.	2.4	21
74	The synthesis, transportation and degradation of BmLP3 and BmLP7, two highly homologous Bombyx mori 30K proteins. Insect Biochemistry and Molecular Biology, 2012, 42, 827-834.	2.7	20
75	Silkworm serpin32 functions as a negative-regulator in prophenoloxidase activation. Developmental and Comparative Immunology, 2019, 91, 123-131.	2.3	20
76	Kunitz-type protease inhibitor BmSPI51 plays an antifungal role in the silkworm cocoon. Insect Biochemistry and Molecular Biology, 2020, 116, 103258.	2.7	20
77	Metabolomics Analysis of the Larval Head of the Silkworm, Bombyx mori. International Journal of Molecular Sciences, 2016, 17, 1460.	4.1	19
78	Structure, evolution, and expression of antimicrobial silk proteins, seroins in Lepidoptera. Insect Biochemistry and Molecular Biology, 2016, 75, 24-31.	2.7	19
79	Programmable Single and Multiplex Base-Editing in Bombyx mori Using RNA-Guided Cytidine Deaminases. G3: Genes, Genomes, Genetics, 2018, 8, 1701-1709.	1.8	19
80	Preparation and Characterization of AgNPs In Situ Synthesis on Polyelectrolyte Membrane Coated Sericin/Agar Film for Antimicrobial Applications. Materials, 2018, 11, 1205.	2.9	19
81	Silk gland-specific proteinase inhibitor serpin16 from the Bombyx mori shows cysteine proteinase inhibitory activity. Biochemical and Biophysical Research Communications, 2015, 457, 31-36.	2.1	18
82	Serine protease P-IIc is responsible for the digestion of yolk proteins at the late stage of silkworm embryogenesis. Insect Biochemistry and Molecular Biology, 2016, 74, 42-49.	2.7	18
83	Comparative Transcriptome Analysis Provides Novel Insight into Morphologic and Metabolic Changes in the Fat Body during Silkworm Metamorphosis. International Journal of Molecular Sciences, 2018, 19, 3525.	4.1	18
84	Comparative Fecal Metabolomes of Silkworms Being Fed Mulberry Leaf and Artificial Diet. Insects, 2020, 11, 851.	2.2	18
85	Proteomics Provides Insight into the Interaction between Mulberry and Silkworm. Journal of Proteome Research, 2017, 16, 2472-2480.	3.7	16
86	Comparative proteomic analysis of silkworm fat body after knocking out fibroin heavy chain gene: a novel insight into cross-talk between tissues. Functional and Integrative Genomics, 2015, 15, 611-637.	3.5	15
87	Improved strength of silk fibers in Bombyx mori trimolters induced by an anti-juvenile hormone compound. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 1148-1156.	2.4	15
88	Transcriptome analysis of the immune response of silkworm at the early stage of Bombyx mori bidensovirus infection. Developmental and Comparative Immunology, 2020, 106, 103601.	2.3	15
89	Structural basis for juvenile hormone biosynthesis by the juvenile hormone acid methyltransferase. Journal of Biological Chemistry, 2021, 297, 101234.	3.4	15
90	Efficient Delivery of dsRNA and DNA in Cultured Silkworm Cells for Gene Function Analysis Using PAMAM Dendrimers System. Insects, 2020, 11, 12.	2.2	14

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91	Antibacterial Mechanism of Silkworm Seroins. Polymers, 2020, 12, 2985.	4.5	14
92	Label-free quantitative phosphoproteomic profiling of cellular response induced by an insect cytokine paralytic peptide. Journal of Proteomics, 2017, 154, 49-58.	2.4	13
93	Proteomic Identification of Immune-Related Silkworm Proteins Involved in the Response to Bacterial Infection. Journal of Insect Science, 2019, 19, .	1.5	13
94	Identification, characterization, and expression analysis of clip-domain serine protease genes in the silkworm, Bombyx mori. Developmental and Comparative Immunology, 2020, 105, 103584.	2.3	13
95	Ultrafine and High-Strength Silk Fibers Secreted by Bimolter Silkworms. Polymers, 2020, 12, 2537.	4.5	13
96	Species-specific expansion of C2H2 zinc-finger genes and their expression profiles in silkworm, Bombyx mori. Insect Biochemistry and Molecular Biology, 2008, 38, 1121-1129.	2.7	12
97	A midgutâ€specific serine protease, BmSP36, is involved in dietary protein digestion in the silkworm, Bombyx mori. Insect Science, 2017, 24, 753-767.	3.0	12
98	Comparative Proteome Analysis Reveals that Cuticular Proteins Analogous to Peritrophinâ€Motif Proteins are Involved in the Regeneration of Chitin Layer in the Silk Gland of Bombyx mori at the Molting Stage. Proteomics, 2018, 18, e1700389.	2.2	12
99	Cross-talk between juvenile hormone and ecdysone regulates transcription of fibroin modulator binding protein-1 in Bombyx mori. International Journal of Biological Macromolecules, 2019, 128, 28-39.	7.5	12
100	Bombyx mori nucleopolyhedrovirus downregulates transcription factor BmFoxO to elevate virus infection. Developmental and Comparative Immunology, 2021, 116, 103904.	2.3	12
101	Adhesive property and mechanism of silkworm egg glue protein. Acta Biomaterialia, 2021, 134, 499-512.	8.3	12
102	Fabrication of a Silk Sericin Hydrogel System Delivering Human Lactoferrin Using Genetically Engineered Silk with Improved Bioavailability to Alleviate Chemotherapy-Induced Immunosuppression. ACS Applied Materials & Interfaces, 2021, 13, 45175-45190.	8.0	12
103	Loss of second and sixth conserved cysteine residues from trypsin inhibitor-like cysteine-rich domain-type protease inhibitors in Bombyx mori may induce activity against microbial proteases. Peptides, 2016, 86, 13-23.	2.4	11
104	Wild Silkworm Cocoon Contains More Metabolites Than Domestic Silkworm Cocoon to Improve Its Protection. Journal of Insect Science, 2017, 17, .	1.5	11
105	Increased antiviral capacity of transgenic silkworm via knockdown of multiple genes on Bombyx mori bidensovirus. Developmental and Comparative Immunology, 2018, 87, 188-192.	2.3	11
106	Antibacterial Mechanism of Gloverin2 from Silkworm, Bombyx mori. International Journal of Molecular Sciences, 2018, 19, 2275.	4.1	11
107	Deep Insight into the Transcriptome of the Single Silk Gland of Bombyx mori. International Journal of Molecular Sciences, 2019, 20, 2491.	4.1	11
108	Chitin and cuticle proteins form the cuticular layer in the spinning duct of silkworm. Acta Biomaterialia, 2022, 145, 260-271.	8.3	11

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109	Purification, Characterization and Cloning of a Chymotrypsin Inhibitor (CI-9) from the Hemolymph of the Silkworm, Bombyx mori. Protein Journal, 2007, 26, 349-357.	1.6	10
110	Genome-Wide Identification and Characterization of Carboxypeptidase Genes in Silkworm (Bombyx) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	4.1	10
111	Protease inhibitors in Bombyx mori silk might participate in protecting the pupating larva from microbial infection. Insect Science, 2016, 23, 835-842.	3.0	10
112	Functions and substrates of NEDDylation during cell cycle in the silkworm, Bombyx mori. Insect Biochemistry and Molecular Biology, 2017, 90, 101-112.	2.7	10
113	Insights into the repression of fibroin modulator binding protein-1 on the transcription of fibroin H-chain during molting in Bombyx mori. Insect Biochemistry and Molecular Biology, 2019, 104, 39-49.	2.7	10
114	LBD1 of Vitellogenin Receptor Specifically Binds to the Female-Specific Storage Protein SP1 via LBR1 and LBR3. PLoS ONE, 2016, 11, e0162317.	2.5	10
115	Overexpression of host plant urease in transgenic silkworms. Molecular Genetics and Genomics, 2015, 290, 1117-1123.	2.1	9
116	Proteome profiling reveals tissue-specific protein expression in male and female accessory glands of the silkworm, Bombyx mori. Amino Acids, 2016, 48, 1173-1183.	2.7	9
117	SUMOylation regulates the localization and activity of Polo-like kinase 1 during cell cycle in the silkworm, Bombyx mori. Scientific Reports, 2017, 7, 15536.	3.3	9
118	Biochemical characterization and functional analysis of invertase Bmsuc1 from silkworm, Bombyx mori. International Journal of Biological Macromolecules, 2018, 107, 2334-2341.	7.5	9
119	Programmable activation of Bombyx gene expression using CRISPR/dCas9 fusion systems. Insect Science, 2019, 26, 983-990.	3.0	9
120	Postintegration stability of the silkworm piggyBac transposon. Insect Biochemistry and Molecular Biology, 2014, 50, 18-23.	2.7	8
121	PC, a Novel Oral Insecticidal Toxin from Bacillus bombysepticus Involved in Host Lethality via APN and BtR-175. Scientific Reports, 2015, 5, 11101.	3.3	8
122	Functional analysis and characterization of antimicrobial phosphatidylethanolamine-binding protein BmPEBP in the silkworm Bombyx mori. Insect Biochemistry and Molecular Biology, 2019, 110, 1-9.	2.7	8
123	Synthesis, secretion, and antifungal mechanism of a phosphatidylethanolamine-binding protein from the silk gland of the silkworm Bombyx mori. International Journal of Biological Macromolecules, 2020, 149, 1000-1007.	7.5	8
124	The mutation of SPI51, a protease inhibitor of silkworm, resulted in the change of antifungal activity during domestication. International Journal of Biological Macromolecules, 2021, 178, 63-70.	7.5	8
125	Five Silkworm 30K Proteins Are Involved in the Cellular Immunity against Fungi. Insects, 2021, 12, 107.	2.2	8
126	Preparation and Characterization of Silk Sericin/Glycerol Films Coated with Silver Nanoparticles for Antibacterial Application. Science of Advanced Materials, 2018, 10, 761-768.	0.7	8

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127	Proteomics analysis of adult testis from <scp>B</scp>ombyx mori. Proteomics, 2014, 14, 2345-2349.	2.2	7
128	Crystal structure of Bombyx mori arylphorins reveals a 3:3 heterohexamer with multiple papain cleavage sites. Protein Science, 2014, 23, 735-746.	7.6	7
129	Inhibition of silkworm vacuolarâ€type ATPase activity by its inhibitor Bafilomycin A1 induces caspaseâ€dependent apoptosis in an embryonic cell line of silkworm. Archives of Insect Biochemistry and Physiology, 2018, 99, e21507.	1.5	7
130	Proteomic analysis of the immune response of the silkworm infected by Escherichia coli and Bacillus bombyseptieus. Insect Science, 2012, 19, 559-569.	3.0	6
131	Inactivation and Unfolding of Protein Tyrosine Phosphatase from Thermus thermophilus HB27 during Urea and Guanidine Hydrochloride Denaturation. PLoS ONE, 2014, 9, e107932.	2.5	6
132	Proteome profile of spinneret from the silkworm, Bombyx mori. Proteomics, 2017, 17, 1600301.	2.2	6
133	A rapid and sensitive colorimetric assay for the determination of adenosine kinase activity. Biochemical and Biophysical Research Communications, 2018, 502, 250-254.	2.1	6
134	A Novel Adenosine Kinase from Bombyx mori: Enzymatic Activity, Structure, and Biological Function. International Journal of Molecular Sciences, 2019, 20, 3732.	4.1	6
135	Fibroinase and its physiological inhibitors involved in the regulation of silk gland development in the silkworm, Bombyx mori. Insect Biochemistry and Molecular Biology, 2019, 106, 19-27.	2.7	6
136	Structural characterization and functional analysis of juvenile hormone diol kinase from the silkworm, Bombyx mori. International Journal of Biological Macromolecules, 2021, 167, 570-577.	7.5	6
137	POU-M2 promotes juvenile hormone biosynthesis by directly activating the transcription of juvenile hormone synthetic enzyme genes in Bombyx mori. Open Biology, 2022, 12, 220031.	3.6	6
138	KPI5 Is Involved in the Regulation of the Expression of Antibacterial Peptide Genes and Hemolymph Melanization in the Silkworm, Bombyx mori. Frontiers in Immunology, 0, 13, .	4.8	6
139	Genome-Wide Identification, Characterization and Expression Analysis of the Solute Carrier 6 Gene Family in Silkworm (Bombyx mori). International Journal of Molecular Sciences, 2016, 17, 1675.	4.1	5
140	Transcriptional repression of endogenous genes in BmE cells using CRISPRi system. Insect Biochemistry and Molecular Biology, 2019, 111, 103172.	2.7	4
141	Overexpression of Gloverin2 in the Bombyx mori silk gland enhances cocoon/silk antimicrobial activity. Developmental and Comparative Immunology, 2019, 98, 6-12.	2.3	4
142	An inducible constitutive expression system in Bombyx mori mediated by phiC31 integrase. Insect Science, 2021, 28, 1277-1289.	3.0	4
143	Supplement of High Protein-Enriched Diet Modulates the Diversity of Gut Microbiota in WT or PD-1H-Depleted Mice. Journal of Microbiology and Biotechnology, 2021, 31, 207-216.	2.1	4
144	Function of Polyamines in Regulating Cell Cycle Progression of Cultured Silkworm Cells. Insects, 2021, 12, 624.	2.2	4

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145	Fiber Formation and Mechanical Properties of Bombyx mori Silk Are Regulated by Vacuolar-Type ATPase. ACS Biomaterials Science and Engineering, 2021, 7, 5532-5540.	5.2	4
146	Physicochemical Properties and Elimination of the Activity of Anti-Nutritional Serine Protease Inhibitors from Mulberry Leaves. Molecules, 2022, 27, 1820.	3.8	4
147	Increasing the yield of middle silk gland expression system through transgenic knock-down of endogenous sericin-1. Molecular Genetics and Genomics, 2017, 292, 823-831.	2.1	3
148	Heat Shock Cognate 70 Functions as A Chaperone for the Stability of Kinetochore Protein CENP-N in Holocentric Insect Silkworms. International Journal of Molecular Sciences, 2019, 20, 5823.	4.1	3
149	Homeodomain proteins POUâ€M2, antennapedia and abdominalâ€B are involved in regulation of the segmentâ€specific expression of the clipâ€domain serine protease gene CLIP13 in the silkworm, Bombyx mori. Insect Science, 2022, 29, 111-127.	3.0	3
150	The fungalâ€resistance factors BmSPI38 and BmSPI39 predominantly exist as tetramers, not monomers, in Bombyx mori. Insect Molecular Biology, 2018, 27, 686-697.	2.0	2
151	SPINK7 Recognizes Fungi and Initiates Hemocyte-Mediated Immune Defense Against Fungal Infections. Frontiers in Immunology, 2021, 12, 735497.	4.8	2
152	Proteomic Analysis of Larval Integument in a Dominant Obese Translucent (Obs) Silkworm Mutant. Journal of Insect Science, 2018, 18, .	1.5	1
153	SUMOylation of Translationally Regulated Tumor Protein Modulates Its Immune Function. Frontiers in Immunology, 2022, 13, 807097.	4.8	1
154	The C-terminus of DSXF5 protein acts as a novel regulatory domain in Bombyx mori. Transgenic Research, 2016, 25, 491-497.	2.4	0
155	Identification of N-linked Glycoproteins in Silkworm Serum Using Con A Lectin Affinity Chromatography and Mass Spectrometry. Journal of Insect Science, 2021, 21, .	1.5	0
156	Supplement of high protein-enriched diet modulates the diversity of gut microbiota in C57 or PD-1H-depleted mice. Journal of Microbiology and Biotechnology, 2020, , .	2.1	0