

Zhaoming Dong

List of Publications by Year in descending order

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156
papers

6,198
citations

87888

38
h-index

85541

71
g-index

168
all docs

168
docs citations

168
times ranked

5179
citing authors

#	ARTICLE	IF	CITATIONS
1	Homeodomain proteins POU-M2, antennapedia and abdominal-B are involved in regulation of the segment-specific expression of the clip-domain serine protease gene <i>CLIP13</i> in the silkworm, <i>Bombyx mori</i> . <i>Insect Science</i> , 2022, 29, 111-127.	3.0	3
2	SUMOylation of Translationally Regulated Tumor Protein Modulates Its Immune Function. <i>Frontiers in Immunology</i> , 2022, 13, 807097.	4.8	1
3	Genetically engineered pH-responsive silk sericin nanospheres with efficient therapeutic effect on ulcerative colitis. <i>Acta Biomaterialia</i> , 2022, 144, 81-95.	8.3	27
4	Chitin and cuticle proteins form the cuticular layer in the spinning duct of silkworm. <i>Acta Biomaterialia</i> , 2022, 145, 260-271.	8.3	11
5	Physicochemical Properties and Elimination of the Activity of Anti-Nutritional Serine Protease Inhibitors from Mulberry Leaves. <i>Molecules</i> , 2022, 27, 1820.	3.8	4
6	POU-M2 promotes juvenile hormone biosynthesis by directly activating the transcription of juvenile hormone synthetic enzyme genes in <i>Bombyx mori</i> . <i>Open Biology</i> , 2022, 12, 220031.	3.6	6
7	Injectable cartilage matrix hydrogel loaded with cartilage endplate stem cells engineered to release exosomes for non-invasive treatment of intervertebral disc degeneration. <i>Bioactive Materials</i> , 2022, 15, 29-43.	15.6	30
8	An inducible constitutive expression system in <i>Bombyx mori</i> mediated by phiC31 integrase. <i>Insect Science</i> , 2021, 28, 1277-1289.	3.0	4
9	<i>Bombyx mori</i> nucleopolyhedrovirus downregulates transcription factor BmFoxO to elevate virus infection. <i>Developmental and Comparative Immunology</i> , 2021, 116, 103904.	2.3	12
10	Structural characterization and functional analysis of juvenile hormone diol kinase from the silkworm, <i>Bombyx mori</i> . <i>International Journal of Biological Macromolecules</i> , 2021, 167, 570-577.	7.5	6
11	Protein composites from silkworm cocoons as versatile biomaterials. <i>Acta Biomaterialia</i> , 2021, 121, 180-192.	8.3	29
12	Supplement of High Protein-Enriched Diet Modulates the Diversity of Gut Microbiota in WT or PD-1H-Depleted Mice. <i>Journal of Microbiology and Biotechnology</i> , 2021, 31, 207-216.	2.1	4
13	The mutation of SPI51, a protease inhibitor of silkworm, resulted in the change of antifungal activity during domestication. <i>International Journal of Biological Macromolecules</i> , 2021, 178, 63-70.	7.5	8
14	Identification of N-linked Glycoproteins in Silkworm Serum Using Con A Lectin Affinity Chromatography and Mass Spectrometry. <i>Journal of Insect Science</i> , 2021, 21, .	1.5	0
15	Function of Polyamines in Regulating Cell Cycle Progression of Cultured Silkworm Cells. <i>Insects</i> , 2021, 12, 624.	2.2	4
16	Adhesive property and mechanism of silkworm egg glue protein. <i>Acta Biomaterialia</i> , 2021, 134, 499-512.	8.3	12
17	Roles of ncRNAs as ceRNAs in Gastric Cancer. <i>Genes</i> , 2021, 12, 1036.	2.4	31
18	Haplotype-resolved genome of diploid ginger (<i>Zingiber officinale</i>) and its unique gingerol biosynthetic pathway. <i>Horticulture Research</i> , 2021, 8, 189.	6.3	53

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19	Fabrication of a Silk Sericin Hydrogel System Delivering Human Lactoferrin Using Genetically Engineered Silk with Improved Bioavailability to Alleviate Chemotherapy-Induced Immunosuppression. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45175-45190.	8.0	12
20	Structural basis for juvenile hormone biosynthesis by the juvenile hormone acid methyltransferase. <i>Journal of Biological Chemistry</i> , 2021, 297, 101234.	3.4	15
21	SPINK7 Recognizes Fungi and Initiates Hemocyte-Mediated Immune Defense Against Fungal Infections. <i>Frontiers in Immunology</i> , 2021, 12, 735497.	4.8	2
22	Five Silkworm 30K Proteins Are Involved in the Cellular Immunity against Fungi. <i>Insects</i> , 2021, 12, 107.	2.2	8
23	Cartilage endplate stem cells inhibit intervertebral disc degeneration by releasing exosomes to nucleus pulposus cells to activate Akt/autophagy. <i>Stem Cells</i> , 2021, 39, 467-481.	3.2	79
24	Fiber Formation and Mechanical Properties of <i>Bombyx mori</i> Silk Are Regulated by Vacuolar-Type ATPase. <i>ACS Biomaterials Science and Engineering</i> , 2021, 7, 5532-5540.	5.2	4
25	Kunitz-type protease inhibitor BmSPI51 plays an antifungal role in the silkworm cocoon. <i>Insect Biochemistry and Molecular Biology</i> , 2020, 116, 103258.	2.7	20
26	Identification, characterization, and expression analysis of clip-domain serine protease genes in the silkworm, <i>Bombyx mori</i> . <i>Developmental and Comparative Immunology</i> , 2020, 105, 103584.	2.3	13
27	Efficient Delivery of dsRNA and DNA in Cultured Silkworm Cells for Gene Function Analysis Using PAMAM Dendrimers System. <i>Insects</i> , 2020, 11, 12.	2.2	14
28	Transcriptome analysis of the immune response of silkworm at the early stage of <i>Bombyx mori</i> bidensovirus infection. <i>Developmental and Comparative Immunology</i> , 2020, 106, 103601.	2.3	15
29	Antibacterial Mechanism of Silkworm Seroins. <i>Polymers</i> , 2020, 12, 2985.	4.5	14
30	Comparative Fecal Metabolomes of Silkworms Being Fed Mulberry Leaf and Artificial Diet. <i>Insects</i> , 2020, 11, 851.	2.2	18
31	Ultrafine and High-Strength Silk Fibers Secreted by Bimolter Silkworms. <i>Polymers</i> , 2020, 12, 2537.	4.5	13
32	Synthesis, secretion, and antifungal mechanism of a phosphatidylethanolamine-binding protein from the silk gland of the silkworm <i>Bombyx mori</i> . <i>International Journal of Biological Macromolecules</i> , 2020, 149, 1000-1007.	7.5	8
33	Supplement of high protein-enriched diet modulates the diversity of gut microbiota in C57 or PD-1H-depleted mice. <i>Journal of Microbiology and Biotechnology</i> , 2020, , .	2.1	0
34	Programmable activation of <i>Bombyx</i> gene expression using CRISPR/dCas9 fusion systems. <i>Insect Science</i> , 2019, 26, 983-990.	3.0	9
35	A Novel Adenosine Kinase from <i>Bombyx mori</i> : Enzymatic Activity, Structure, and Biological Function. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3732.	4.1	6
36	Proteomic Identification of Immune-Related Silkworm Proteins Involved in the Response to Bacterial Infection. <i>Journal of Insect Science</i> , 2019, 19, .	1.5	13

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37	Heparinized silk fibroin hydrogels loading FGF1 promote the wound healing in rats with full-thickness skin excision. <i>BioMedical Engineering OnLine</i> , 2019, 18, 97.	2.7	51
38	Structural and Mechanical Properties of Silk from Different Instars of <i>Bombyx mori</i> . <i>Biomacromolecules</i> , 2019, 20, 1203-1216.	5.4	58
39	Cross-talk between juvenile hormone and ecdysone regulates transcription of fibroin modulator binding protein-1 in <i>Bombyx mori</i> . <i>International Journal of Biological Macromolecules</i> , 2019, 128, 28-39.	7.5	12
40	Polydopamine-Based Surface Modification of ZnO Nanoparticles on Sericin/Polyvinyl Alcohol Composite Film for Antibacterial Application. <i>Molecules</i> , 2019, 24, 503.	3.8	25
41	Deep Insight into the Transcriptome of the Single Silk Gland of <i>Bombyx mori</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 2491.	4.1	11
42	Transcriptional repression of endogenous genes in BmE cells using CRISPRi system. <i>Insect Biochemistry and Molecular Biology</i> , 2019, 111, 103172.	2.7	4
43	Overexpression of Gloverin2 in the <i>Bombyx mori</i> silk gland enhances cocoon/silk antimicrobial activity. <i>Developmental and Comparative Immunology</i> , 2019, 98, 6-12.	2.3	4
44	Design and performance of sericin/poly(vinyl alcohol) hydrogel as a drug delivery carrier for potential wound dressing application. <i>Materials Science and Engineering C</i> , 2019, 101, 341-351.	7.3	163
45	Identification of <i>Bombyx mori</i> sericin 4 protein as a new biological adhesive. <i>International Journal of Biological Macromolecules</i> , 2019, 132, 1121-1130.	7.5	42
46	Functional analysis and characterization of antimicrobial phosphatidylethanolamine-binding protein BmPEBP in the silkworm <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2019, 110, 1-9.	2.7	8
47	Heat Shock Cognate 70 Functions as A Chaperone for the Stability of Kinetochore Protein CENP-N in Holocentric Insect Silkworms. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5823.	4.1	3
48	Genetically engineered bi-functional silk material with improved cell proliferation and anti-inflammatory activity for medical application. <i>Acta Biomaterialia</i> , 2019, 86, 148-157.	8.3	28
49	GC/MS-based metabolomics analysis reveals active fatty acids biosynthesis in the Filippi's gland of the silkworm, <i>Bombyx mori</i> , during silk spinning. <i>Insect Biochemistry and Molecular Biology</i> , 2019, 105, 1-9.	2.7	22
50	Fibroinase and its physiological inhibitors involved in the regulation of silk gland development in the silkworm, <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2019, 106, 19-27.	2.7	6
51	Silkworm serpin32 functions as a negative-regulator in prophenoloxidase activation. <i>Developmental and Comparative Immunology</i> , 2019, 91, 123-131.	2.3	20
52	Insights into the repression of fibroin modulator binding protein-1 on the transcription of fibroin H-chain during molting in <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2019, 104, 39-49.	2.7	10
53	Comparative Proteome Analysis Reveals that Cuticular Proteins Analogous to Peritrophin Motif Proteins are Involved in the Regeneration of Chitin Layer in the Silk Gland of <i>Bombyx mori</i> at the Molting Stage. <i>Proteomics</i> , 2018, 18, e1700389.	2.2	12
54	Improved strength of silk fibers in <i>Bombyx mori</i> trimolters induced by an anti-juvenile hormone compound. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018, 1862, 1148-1156.	2.4	15

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55	Proteomic analysis of <i>Bombyx mori</i> molting fluid: Insights into the molting process. <i>Journal of Proteomics</i> , 2018, 173, 115-125.	2.4	28
56	Programmable Single and Multiplex Base-Editing in <i>Bombyx mori</i> Using RNA-Guided Cytidine Deaminases. <i>G3: Genes, Genomes, Genetics</i> , 2018, 8, 1701-1709.	1.8	19
57	Biochemical characterization and functional analysis of invertase Bmsuc1 from silkworm, <i>Bombyx mori</i> . <i>International Journal of Biological Macromolecules</i> , 2018, 107, 2334-2341.	7.5	9
58	Comparative Transcriptome Analysis Provides Novel Insight into Morphologic and Metabolic Changes in the Fat Body during Silkworm Metamorphosis. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3525.	4.1	18
59	Proteomic Analysis of Larval Integument in a Dominant Obese Translucent (Obs) Silkworm Mutant. <i>Journal of Insect Science</i> , 2018, 18, .	1.5	1
60	Inhibition of silkworm vacuolar-type ATPase activity by its inhibitor Bafilomycin A1 induces caspase-dependent apoptosis in an embryonic cell line of silkworm. <i>Archives of Insect Biochemistry and Physiology</i> , 2018, 99, e21507.	1.5	7
61	Polydopamine-Assisted Silver Nanoparticle Self-Assembly on Sericin/Agar Film for Potential Wound Dressing Application. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2875.	4.1	58
62	Transgenic Silkworm-Based Silk Gland Bioreactor for Large Scale Production of Bioactive Human Platelet-Derived Growth Factor (PDGF-BB) in Silk Cocoons. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2533.	4.1	25
63	The fungal resistance factors BmSPI38 and BmSPI39 predominantly exist as tetramers, not monomers, in <i>Bombyx mori</i> . <i>Insect Molecular Biology</i> , 2018, 27, 686-697.	2.0	2
64	A rapid and sensitive colorimetric assay for the determination of adenosine kinase activity. <i>Biochemical and Biophysical Research Communications</i> , 2018, 502, 250-254.	2.1	6
65	Increased antiviral capacity of transgenic silkworm via knockdown of multiple genes on <i>Bombyx mori</i> bidensovirus. <i>Developmental and Comparative Immunology</i> , 2018, 87, 188-192.	2.3	11
66	DNA methylation on N6-adenine in lepidopteran <i>Bombyx mori</i> . <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2018, 1861, 815-825.	1.9	27
67	A Novel AgNPs/Sericin/Agar Film with Enhanced Mechanical Property and Antibacterial Capability. <i>Molecules</i> , 2018, 23, 1821.	3.8	32
68	Fabrication of Sericin/Agrose Gel Loaded Lysozyme and Its Potential in Wound Dressing Application. <i>Nanomaterials</i> , 2018, 8, 235.	4.1	33
69	Preparation and Characterization of AgNPs In Situ Synthesis on Polyelectrolyte Membrane Coated Sericin/Agar Film for Antimicrobial Applications. <i>Materials</i> , 2018, 11, 1205.	2.9	19
70	Fabrication of the FGF1-functionalized sericin hydrogels with cell proliferation activity for biomedical application using genetically engineered <i>Bombyx mori</i> (<i>B. mori</i>) silk. <i>Acta Biomaterialia</i> , 2018, 79, 239-252.	8.3	46
71	Antibacterial Mechanism of Gloverin2 from Silkworm, <i>Bombyx mori</i> . <i>International Journal of Molecular Sciences</i> , 2018, 19, 2275.	4.1	11
72	Enhanced antiviral immunity against <i>Bombyx mori</i> cytoplasmic polyhedrosis virus via overexpression of peptidoglycan recognition protein S2 in transgenic silkworms. <i>Developmental and Comparative Immunology</i> , 2018, 87, 84-89.	2.3	38

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73	Stimulator of interferon genes (STING) provides insect antiviral immunity by promoting Dredd caspase-mediated NF- κ B activation. <i>Journal of Biological Chemistry</i> , 2018, 293, 11878-11890.	3.4	67
74	Preparation and Characterization of Silk Sericin/Glycerol Films Coated with Silver Nanoparticles for Antibacterial Application. <i>Science of Advanced Materials</i> , 2018, 10, 761-768.	0.7	8
75	A midgut-specific serine protease, BmSP36, is involved in dietary protein digestion in the silkworm, <i>Bombyx mori</i> . <i>Insect Science</i> , 2017, 24, 753-767.	3.0	12
76	An integrated CRISPR <i>Bombyx mori</i> genome editing system with improved efficiency and expanded target sites. <i>Insect Biochemistry and Molecular Biology</i> , 2017, 83, 13-20.	2.7	34
77	Proteomics Provides Insight into the Interaction between Mulberry and Silkworm. <i>Journal of Proteome Research</i> , 2017, 16, 2472-2480.	3.7	16
78	Proteome profile of spinneret from the silkworm, <i>Bombyx mori</i> . <i>Proteomics</i> , 2017, 17, 1600301.	2.2	6
79	Label-free quantitative phosphoproteomic profiling of cellular response induced by an insect cytokine paralytic peptide. <i>Journal of Proteomics</i> , 2017, 154, 49-58.	2.4	13
80	Preparation and characterization of silk sericin/PVA blend film with silver nanoparticles for potential antimicrobial application. <i>International Journal of Biological Macromolecules</i> , 2017, 104, 457-464.	7.5	135
81	Increasing the yield of middle silk gland expression system through transgenic knock-down of endogenous sericin-1. <i>Molecular Genetics and Genomics</i> , 2017, 292, 823-831.	2.1	3
82	Functions and substrates of NEDDylation during cell cycle in the silkworm, <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2017, 90, 101-112.	2.7	10
83	Pigmentary analysis of eggs of the silkworm <i>Bombyx mori</i> . <i>Journal of Insect Physiology</i> , 2017, 101, 142-150.	2.0	41
84	SUMOylation regulates the localization and activity of Polo-like kinase 1 during cell cycle in the silkworm, <i>Bombyx mori</i> . <i>Scientific Reports</i> , 2017, 7, 15536.	3.3	9
85	In situ green synthesis and characterization of sericin-silver nanoparticle composite with effective antibacterial activity and good biocompatibility. <i>Materials Science and Engineering C</i> , 2017, 80, 509-516.	7.3	97
86	In vivo effects of metal ions on conformation and mechanical performance of silkworm silks. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 567-576.	2.4	44
87	Biosynthesis and Characterization of AgNPs-Silk/PVA Film for Potential Packaging Application. <i>Materials</i> , 2017, 10, 667.	2.9	38
88	In Situ Synthesis of Silver Nanoparticles on the Polyelectrolyte-Coated Sericin/PVA Film for Enhanced Antibacterial Application. <i>Materials</i> , 2017, 10, 967.	2.9	27
89	Wild Silkworm Cocoon Contains More Metabolites Than Domestic Silkworm Cocoon to Improve Its Protection. <i>Journal of Insect Science</i> , 2017, 17, .	1.5	11
90	Genome-Wide Identification and Characterization of Carboxypeptidase Genes in Silkworm (<i>Bombyx</i>)	4.1	10

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91	Metabolomics Analysis of the Larval Head of the Silkworm, <i>Bombyx mori</i> . International Journal of Molecular Sciences, 2016, 17, 1460.	4.1	19
92	Genome-Wide Identification, Characterization and Expression Analysis of the Solute Carrier 6 Gene Family in Silkworm (<i>Bombyx mori</i>). International Journal of Molecular Sciences, 2016, 17, 1675.	4.1	5
93	Systematic Identification and Characterization of Long Non-Coding RNAs in the Silkworm, <i>Bombyx mori</i> . PLoS ONE, 2016, 11, e0147147.	2.5	155
94	Protease inhibitors in <i>Bombyx mori</i> silk might participate in protecting the pupating larva from microbial infection. Insect Science, 2016, 23, 835-842.	3.0	10
95	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
96	Transcriptome analysis of interactions between silkworm and cytoplasmic polyhedrosis virus. Scientific Reports, 2016, 6, 24894.	3.3	35
97	Serine protease P-Ilc 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
98	Structure, evolution, and expression of antimicrobial silk proteins, seroins in Lepidoptera. Insect Biochemistry and Molecular Biology, 2016, 75, 24-31.	2.7	19
99	Loss of second and sixth conserved cysteine residues from trypsin inhibitor-like cysteine-rich domain-type protease inhibitors in <i>Bombyx mori</i> may induce activity against microbial proteases. Peptides, 2016, 86, 13-23.	2.4	11
100	Analysis of proteome dynamics inside the silk gland lumen of <i>Bombyx mori</i> . Scientific Reports, 2016, 6, 21158.	3.3	36
101	The C-terminus of DSXF5 protein acts as a novel regulatory domain in <i>Bombyx mori</i> . Transgenic Research, 2016, 25, 491-497.	2.4	0
102	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
103	Comparative transcriptome analysis of <i>Bombyx mori</i> spinnerets and Filippi's glands suggests their role in silk fiber formation. Insect Biochemistry and Molecular Biology, 2016, 68, 89-99.	2.7	24
104	Identification and Characterization of Novel Chitin-Binding Proteins from the Larval Cuticle of Silkworm, <i>Bombyx mori</i> . Journal of Proteome Research, 2016, 15, 1435-1445.	3.7	44
105	Proteome profiling reveals tissue-specific protein expression in male and female accessory glands of the silkworm, <i>Bombyx mori</i> . Amino Acids, 2016, 48, 1173-1183.	2.7	9
106	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
107	Proteins in the Cocoon of Silkworm Inhibit the Growth of <i>Beauveria bassiana</i> . PLoS ONE, 2016, 11, e0151764.	2.5	29
108	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

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109	2A self-cleaving peptide-based multi-gene expression system in the silkworm <i>Bombyx mori</i> . <i>Scientific Reports</i> , 2015, 5, 16273.	3.3	102
110	Structural insights into the unique inhibitory mechanism of the silkworm protease inhibitor serpin18. <i>Scientific Reports</i> , 2015, 5, 11863.	3.3	22
111	Large-scale production of bioactive recombinant human acidic fibroblast growth factor in transgenic silkworm cocoons. <i>Scientific Reports</i> , 2015, 5, 16323.	3.3	27
112	PC, a Novel Oral Insecticidal Toxin from <i>Bacillus bombysepticus</i> Involved in Host Lethality via APN and BtR-175. <i>Scientific Reports</i> , 2015, 5, 11101.	3.3	8
113	GC/MS-based metabolomic studies reveal key roles of glycine in regulating silk synthesis in silkworm, <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2015, 57, 41-50.	2.7	24
114	Ca ²⁺ and endoplasmic reticulum Ca ²⁺ -ATPase regulate the formation of silk fibers with favorable mechanical properties. <i>Journal of Insect Physiology</i> , 2015, 73, 53-59.	2.0	26
115	Silk gland-specific proteinase inhibitor serpin16 from the <i>Bombyx mori</i> shows cysteine proteinase inhibitory activity. <i>Biochemical and Biophysical Research Communications</i> , 2015, 457, 31-36.	2.1	18
116	Overexpression of host plant urease in transgenic silkworms. <i>Molecular Genetics and Genomics</i> , 2015, 290, 1117-1123.	2.1	9
117	Modifying the Mechanical Properties of Silk Fiber by Genetically Disrupting the Ionic Environment for Silk Formation. <i>Biomacromolecules</i> , 2015, 16, 3119-3125.	5.4	44
118	Comparative proteomic analysis of silkworm fat body after knocking out fibroin heavy chain gene: a novel insight into cross-talk between tissues. <i>Functional and Integrative Genomics</i> , 2015, 15, 611-637.	3.5	15
119	TIL-type protease inhibitors may be used as targeted resistance factors to enhance silkworm defenses against invasive fungi. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 57, 11-19.	2.7	43
120	Comparative Proteome Analysis of Multi-Layer Cocoon of the Silkworm, <i>Bombyx mori</i> . <i>PLoS ONE</i> , 2015, 10, e0123403.	2.5	34
121	Transcriptomic Analysis of the Anterior Silk Gland in the Domestic Silkworm (<i>Bombyx mori</i>) – Insight into the Mechanism of Silk Formation and Spinning. <i>PLoS ONE</i> , 2015, 10, e0139424.	2.5	25
122	Inactivation and Unfolding of Protein Tyrosine Phosphatase from <i>Thermus thermophilus</i> HB27 during Urea and Guanidine Hydrochloride Denaturation. <i>PLoS ONE</i> , 2014, 9, e107932.	2.5	6
123	Identification and Molecular Characterization of a Chitin Deacetylase from <i>Bombyx mori</i> Peritrophic Membrane. <i>International Journal of Molecular Sciences</i> , 2014, 15, 1946-1961.	4.1	39
124	Antenna-Specific Glutathione S-Transferase in Male Silkworm <i>Bombyx mori</i> . <i>International Journal of Molecular Sciences</i> , 2014, 15, 7429-7443.	4.1	37
125	Proteomics analysis of adult testis from <i>Bombyx mori</i> . <i>Proteomics</i> , 2014, 14, 2345-2349.	2.2	7
126	Proteomics of larval hemolymph in <i>Bombyx mori</i> reveals various nutrient-storage and immunity-related proteins. <i>Amino Acids</i> , 2014, 46, 1021-1031.	2.7	39

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127	Postintegration stability of the silkworm piggyBac transposon. <i>Insect Biochemistry and Molecular Biology</i> , 2014, 50, 18-23.	2.7	8
128	Crystal structure of <i>Bombyx mori</i> arylphorins reveals a 3:3 heterohexamer with multiple papain cleavage sites. <i>Protein Science</i> , 2014, 23, 735-746.	7.6	7
129	Convergently-evolved structural anomalies in the coiled coil domains of insect silk proteins. <i>Journal of Structural Biology</i> , 2014, 186, 402-411.	2.8	22
130	Advanced silk material spun by a transgenic silkworm promotes cell proliferation for biomedical application. <i>Acta Biomaterialia</i> , 2014, 10, 4947-4955.	8.3	42
131	Highly efficient multiplex targeted mutagenesis and genomic structure variation in <i>Bombyx mori</i> cells using CRISPR/Cas9. <i>Insect Biochemistry and Molecular Biology</i> , 2014, 49, 35-42.	2.7	79
132	Genome editing of BmFib-H gene provides an empty <i>Bombyx mori</i> silk gland for a highly efficient bioreactor. <i>Scientific Reports</i> , 2014, 4, 6867.	3.3	46
133	CRISPR/Cas9 mediated multiplex genome editing and heritable mutagenesis of BmKu70 in <i>Bombyx mori</i> . <i>Scientific Reports</i> , 2014, 4, 4489.	3.3	121
134	Basic Helix-Loop-Helix Transcription Factor Bmsage Is Involved in Regulation of fibroin H-chain Gene via Interaction with SGF1 in <i>Bombyx mori</i> . <i>PLoS ONE</i> , 2014, 9, e94091.	2.5	33
135	Comparative Proteomics Reveal Diverse Functions and Dynamic Changes of <i>Bombyx mori</i> Silk Proteins Spun from Different Development Stages. <i>Journal of Proteome Research</i> , 2013, 12, 5213-5222.	3.7	75
136	Shotgun proteomic analysis of the <i>Bombyx mori</i> anterior silk gland: An insight into the biosynthetic fiber spinning process. <i>Proteomics</i> , 2013, 13, 2657-2663.	2.2	30
137	Identification of novel members reveals the structural and functional divergence of lepidopteran-specific Lipoprotein_11 family. <i>Functional and Integrative Genomics</i> , 2012, 12, 705-715.	3.5	31
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145	Complete Resequencing of 40 Genomes Reveals Domestication Events and Genes in Silkworm (<i>Bombyx mori</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 11	12.6	342
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