

Qing You Xia

List of Publications by Year in descending order

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327
papers

10,976
citations

38742

50
h-index

49909

87
g-index

345
all docs

345
docs citations

345
times ranked

11618
citing authors

#	ARTICLE	IF	CITATIONS
1	A Draft Sequence for the Genome of the Domesticated Silkworm (<i>Bombyx mori</i>). Science, 2004, 306, 1937-1940.	12.6	994
2	Single base-resolution methylome of the silkworm reveals a sparse epigenomic map. Nature Biotechnology, 2010, 28, 516-520.	17.5	349
3	Complete Resequencing of 40 Genomes Reveals Domestication Events and Genes in Silkworm (<i>Bombyx mori</i>). Tj ETQq1 1 0.784314 rgBT /Overlock 1	12.6	342
4	CRISPR/Cas9-mediated targeted mutagenesis in <i>Nicotiana tabacum</i> . Plant Molecular Biology, 2015, 87, 99-110.	3.9	293
5	Microarray-based gene expression profiles in multiple tissues of the domesticated silkworm, <i>Bombyx mori</i> . Genome Biology, 2007, 8, R162.	9.6	271
6	Genomic adaptation to polyphagy and insecticides in a major East Asian noctuid pest. Nature Ecology and Evolution, 2017, 1, 1747-1756.	7.8	269
7	SilkDB v2.0: a platform for silkworm (<i>Bombyx mori</i>) genome biology. Nucleic Acids Research, 2010, 38, D453-D456.	14.5	239
8	Advances in Silkworm Studies Accelerated by the Genome Sequencing of <i>Bombyx mori</i> . Annual Review of Entomology, 2014, 59, 513-536.	11.8	234
9	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
10	Systematic Identification and Characterization of Long Non-Coding RNAs in the Silkworm, <i>Bombyx mori</i> . PLoS ONE, 2016, 11, e0147147.	2.5	155
11	The progress and future of enhancing antiviral capacity by transgenic technology in the silkworm <i>Bombyx mori</i> . Insect Biochemistry and Molecular Biology, 2014, 48, 1-7.	2.7	144
12	Autophagy precedes apoptosis during the remodeling of silkworm larval midgut. Apoptosis: an International Journal on Programmed Cell Death, 2012, 17, 305-324.	4.9	140
13	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
14	Highly Efficient and Specific Genome Editing in Silkworm Using Custom TALENs. PLoS ONE, 2012, 7, e45035.	2.5	131
15	CRISPR/Cas9 mediated multiplex genome editing and heritable mutagenesis of BmKu70 in <i>Bombyx mori</i> . Scientific Reports, 2014, 4, 4489.	3.3	121
16	Bioinspired design of AgNPs embedded silk sericin-based sponges for efficiently combating bacteria and promoting wound healing. Materials and Design, 2019, 180, 107940.	7.0	112
17	MicroRNAs of <i>Bombyx mori</i> identified by Solexa sequencing. BMC Genomics, 2010, 11, 148.	2.8	107
18	A wearable, cotton thread/paper-based microfluidic device coupled with smartphone for sweat glucose sensing. Cellulose, 2019, 26, 4553-4562.	4.9	106

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19	2A self-cleaving peptide-based multi-gene expression system in the silkworm <i>Bombyx mori</i> . Scientific Reports, 2015, 5, 16273.	3.3	102
20	Large-scale RNA-Seq Transcriptome Analysis of 4043 Cancers and 548 Normal Tissue Controls across 12 TCGA Cancer Types. Scientific Reports, 2015, 5, 13413.	3.3	102
21	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
22	Repression of tyrosine hydroxylase is responsible for the sex-linked chocolate mutation of the silkworm, <i>Bombyx mori</i> . Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 12980-12985.	7.1	96
23	Large Scale Full-Length cDNA Sequencing Reveals a Unique Genomic Landscape in a Lepidopteran Model Insect, <i>Bombyx mori</i> . G3: Genes, Genomes, Genetics, 2013, 3, 1481-1492.	1.8	87
24	KrÄppel homolog 1 represses insect ecdysone biosynthesis by directly inhibiting the transcription of steroidogenic enzymes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3960-3965.	7.1	87
25	Resistance to <i>Bombyx mori</i> nucleopolyhedrovirus via overexpression of an endogenous antiviral gene in transgenic silkworms. Archives of Virology, 2012, 157, 1323-1328.	2.1	81
26	Highly efficient multiplex targeted mutagenesis and genomic structure variation in <i>Bombyx mori</i> cells using CRISPR/Cas9. Insect Biochemistry and Molecular Biology, 2014, 49, 35-42.	2.7	79
27	Ras1CA overexpression in the posterior silk gland improves silk yield. Cell Research, 2011, 21, 934-943.	12.0	77
28	Genome-Wide Identification and Immune Response Analysis of Serine Protease Inhibitor Genes in the Silkworm, <i>Bombyx mori</i> . PLoS ONE, 2012, 7, e31168.	2.5	77
29	Vitellogenin Receptor Mutation Leads to the Oogenesis Mutant Phenotype "œscanty vitellin" of the Silkworm, <i>Bombyx mori</i> . Journal of Biological Chemistry, 2013, 288, 13345-13355.	3.4	76
30	Reference genes identified in the silkworm <i>Bombyx mori</i> during metamorphosis based on oligonucleotide microarray and confirmed by qRTâPCR. Insect Science, 2008, 15, 405-413.	3.0	75
31	Comparative Proteomics Reveal Diverse Functions and Dynamic Changes of <i>Bombyx mori</i> Silk Proteins Spun from Different Development Stages. Journal of Proteome Research, 2013, 12, 5213-5222.	3.7	75
32	BmATG5 and BmATG6 mediate apoptosis following autophagy induced by 20-hydroxyecdysone or starvation. Autophagy, 2016, 12, 381-396.	9.1	73
33	Comparative analysis of proteome maps of silkworm hemolymph during different developmental stages. Proteome Science, 2010, 8, 45.	1.7	72
34	Inhibition of H3K9 Methyltransferase G9a Repressed Cell Proliferation and Induced Autophagy in Neuroblastoma Cells. PLoS ONE, 2014, 9, e106962.	2.5	70
35	Anaphylactic shock and lethal anaphylaxis caused by food consumption in China. Trends in Food Science and Technology, 2009, 20, 227-231.	15.1	68
36	Stimulator of interferon genes (STING) provides insect antiviral immunity by promoting Dredd caspaseâmediated NF-âB activation. Journal of Biological Chemistry, 2018, 293, 11878-11890.	3.4	67

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37	A phylogenomics approach to characterizing sensory neuron membrane proteins (SNMPs) in Lepidoptera. <i>Insect Biochemistry and Molecular Biology</i> , 2020, 118, 103313.	2.7	63
38	Expression map of a complete set of gustatory receptor genes in chemosensory organs of <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2017, 82, 74-82.	2.7	61
39	Studies on middle and posterior silk glands of silkworm (<i>Bombyx mori</i>) using two-dimensional electrophoresis and mass spectrometry. <i>Insect Biochemistry and Molecular Biology</i> , 2007, 37, 486-496.	2.7	60
40	Selection of reference genes for analysis of stress-responsive genes after challenge with viruses and temperature changes in the silkworm <i>Bombyx mori</i> . <i>Molecular Genetics and Genomics</i> , 2016, 291, 999-1004.	2.1	60
41	Facile and Low-Cost Fabrication of a Thread/Paper-Based Wearable System for Simultaneous Detection of Lactate and pH in Human Sweat. <i>Advanced Fiber Materials</i> , 2020, 2, 265-278.	16.1	60
42	SilkDB 3.0: visualizing and exploring multiple levels of data for silkworm. <i>Nucleic Acids Research</i> , 2020, 48, D749-D755.	14.5	59
43	MicroRNAs show diverse and dynamic expression patterns in multiple tissues of <i>Bombyx mori</i> . <i>BMC Genomics</i> , 2010, 11, 85.	2.8	58
44	Structural and Mechanical Properties of Silk from Different Instars of <i>Bombyx mori</i> . <i>Biomacromolecules</i> , 2019, 20, 1203-1216.	5.4	58
45	An optimized sericin-1 expression system for mass-producing recombinant proteins in the middle silk glands of transgenic silkworms. <i>Transgenic Research</i> , 2013, 22, 925-938.	2.4	57
46	Characterization and expression patterns of let-7 microRNA in the silkworm (<i>Bombyx mori</i>). <i>BMC Developmental Biology</i> , 2007, 7, 88.	2.1	56
47	A novel protease inhibitor in <i>Bombyx mori</i> is involved in defense against <i>Beauveria bassiana</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 766-775.	2.7	56
48	A transgenic animal with antiviral properties that might inhibit multiple stages of infection. <i>Antiviral Research</i> , 2013, 98, 171-173.	4.1	56
49	New and highly efficient expression systems for expressing selectively foreign protein in the silk glands of transgenic silkworm. <i>Transgenic Research</i> , 2010, 19, 29-44.	2.4	55
50	MicroRNA expression profiling during the life cycle of the silkworm (<i>Bombyx mori</i>). <i>BMC Genomics</i> , 2009, 10, 455.	2.8	54
51	Resistance to BmNPV via Overexpression of an Exogenous Gene Controlled by an Inducible Promoter and Enhancer in Transgenic Silkworm, <i>Bombyx mori</i> . <i>PLoS ONE</i> , 2012, 7, e41838.	2.5	53
52	BmILF and i-motif structure are involved in transcriptional regulation of BmPOUM2 in <i>Bombyx mori</i> . <i>Nucleic Acids Research</i> , 2018, 46, 1710-1723.	14.5	53
53	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
54	Comparison of factors that may affect the inhibitory efficacy of transgenic RNAi targeting of baculoviral genes in silkworm, <i>Bombyx mori</i> . <i>Antiviral Research</i> , 2013, 97, 255-263.	4.1	50

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55	Comparative methylomics between domesticated and wild silkworms implies possible epigenetic influences on silkworm domestication. <i>BMC Genomics</i> , 2013, 14, 646.	2.8	47
56	Comparative evaluation of eight software programs for alignment of gas chromatography–mass spectrometry chromatograms in metabolomics experiments. <i>Journal of Chromatography A</i> , 2014, 1374, 199-206.	3.7	47
57	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
58	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
59	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
60	Identification and Characterization of Novel Chitin-Binding Proteins from the Larval Cuticle of Silkworm, <i>Bombyx mori</i> . <i>Journal of Proteome Research</i> , 2016, 15, 1435-1445.	3.7	44
61	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
62	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
63	Genome-wide comparison of genes involved in the biosynthesis, metabolism, and signaling of juvenile hormone between silkworm and other insects. <i>Genetics and Molecular Biology</i> , 2014, 37, 444-459.	1.3	42
64	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
65	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
66	Pigmentary analysis of eggs of the silkworm <i>Bombyx mori</i> . <i>Journal of Insect Physiology</i> , 2017, 101, 142-150.	2.0	41
67	Genetic diversity, molecular phylogeny and selection evidence of the silkworm mitochondria implicated by complete resequencing of 41 genomes. <i>BMC Evolutionary Biology</i> , 2010, 10, 81.	3.2	40
68	A Juvenile Hormone Transcription Factor Bmdimm-Fibroin H Chain Pathway Is Involved in the Synthesis of Silk Protein in Silkworm, <i>Bombyx mori</i> . <i>Journal of Biological Chemistry</i> , 2015, 290, 972-986.	3.4	40
69	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
70	Identification of circular RNA in the <i>Bombyx mori</i> silk gland. <i>Insect Biochemistry and Molecular Biology</i> , 2017, 89, 97-106.	2.7	39
71	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
72	Transcriptome-wide analysis of N6-methyladenosine uncovers its regulatory role in gene expression in the lepidopteran <i>Bombyx mori</i> . <i>Insect Molecular Biology</i> , 2019, 28, 703-715.	2.0	38

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73	Antenna-Specific Glutathione S-Transferase in Male Silkmoth <i>Bombyx mori</i> . International Journal of Molecular Sciences, 2014, 15, 7429-7443.	4.1	37
74	CRISPR/Cas9-Mediated Mutagenesis of Carotenoid Cleavage Dioxygenase 8 (CCD8) in Tobacco Affects Shoot and Root Architecture. International Journal of Molecular Sciences, 2018, 19, 1062.	4.1	37
75	Analysis of proteome dynamics inside the silk gland lumen of <i>Bombyx mori</i> . Scientific Reports, 2016, 6, 21158.	3.3	36
76	The Broad Complex isoform 2 (BrC-Z2) transcriptional factor plays a critical role in vitellogenin transcription in the silkworm <i>Bombyx mori</i> . Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 2674-2684.	2.4	35
77	Transcriptome analysis of interactions between silkworm and cytoplasmic polyhedrosis virus. Scientific Reports, 2016, 6, 24894.	3.3	35
78	An integrated CRISPR <i>Bombyx mori</i> genome editing system with improved efficiency and expanded target sites. Insect Biochemistry and Molecular Biology, 2017, 83, 13-20.	2.7	34
79	Comparative Proteome Analysis of Multi-Layer Cocoon of the Silkworm, <i>Bombyx mori</i> . PLoS ONE, 2015, 10, e0123403.	2.5	34
80	Genome-wide annotation and comparative analysis of cuticular protein genes in the noctuid pest <i>Spodoptera litura</i> . Insect Biochemistry and Molecular Biology, 2019, 110, 90-97.	2.7	33
81	An Innovative Solvent-Responsive Coiling-Expanding Stent. Advanced Materials, 2021, 33, e2101005.	21.0	33
82	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> . PLoS ONE, 2014, 9, e94091.	2.5	33
83	Genome editing in <i>Bombyx mori</i> : New opportunities for silkworm functional genomics and the sericulture industry. Insect Science, 2019, 26, 964-972.	3.0	32
84	Co-occurrence network analyses of rhizosphere soil microbial PLFAs and metabolites over continuous cropping seasons in tobacco. Plant and Soil, 2020, 452, 119-135.	3.7	32
85	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
86	Shotgun proteomic analysis of the <i>Bombyx mori</i> anterior silk gland: An insight into the biosynthetic fiber spinning process. Proteomics, 2013, 13, 2657-2663.	2.2	30
87	Constructing high effective nano-Mn ₃ (PO ₄) ₂ -chitosan in situ electrochemical detection interface for superoxide anions released from living cell. Biosensors and Bioelectronics, 2019, 133, 133-140.	10.1	29
88	Genome-wide CRISPR screening reveals genes essential for cell viability and resistance to abiotic and biotic stresses in <i>Bombyx mori</i> . Genome Research, 2020, 30, 757-767.	5.5	29
89	Protein composites from silkworm cocoons as versatile biomaterials. Acta Biomaterialia, 2021, 121, 180-192.	8.3	29
90	Proteins in the Cocoon of Silkworm Inhibit the Growth of <i>Beauveria bassiana</i> . PLoS ONE, 2016, 11, e0151764.	2.5	29

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91	Structural insights into the cofactor-assisted substrate recognition of yeast methylglyoxal/isovaleraldehyde reductase Gre2. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2014, 1844, 1486-1492.	2.3	28
92	Proteomic analysis of Bombyx mori molting fluid: Insights into the molting process. <i>Journal of Proteomics</i> , 2018, 173, 115-125.	2.4	28
93	A Sandwich-Structured Piezoresistive Sensor with Electrospun Nanofiber Mats as Supporting, Sensing, and Packaging Layers. <i>Polymers</i> , 2018, 10, 575.	4.5	28
94	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
95	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
96	Analysis of <i>Nicotiana tabacum</i> PIN genes identifies NtPIN4 as a key regulator of axillary bud growth. <i>Physiologia Plantarum</i> , 2017, 160, 222-239.	5.2	27
97	DNA methylation on N6-adenine in lepidopteran Bombyx mori. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2018, 1861, 815-825.	1.9	27
98	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
99	Analysis of the structure and expression of the 30K protein genes in silkworm, Bombyx mori. <i>Insect Science</i> , 2007, 14, 5.	3.0	26
100	Phox2B correlates with MYCN and is a prognostic marker for neuroblastoma development. <i>Oncology Letters</i> , 2015, 9, 2507-2514.	1.8	26
101	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
102	Multiplex genomic structure variation mediated by TALEN and ssODN. <i>BMC Genomics</i> , 2014, 15, 41.	2.8	25
103	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
104	Knit Architecture for Water-Actuating Woolen Knitwear and Its Personalized Thermal Management. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 6298-6308.	8.0	25
105	Advances in the Arms Race Between Silkworm and Baculovirus. <i>Frontiers in Immunology</i> , 2021, 12, 628151.	4.8	25
106	Transcriptome Sequencing and Positive Selected Genes Analysis of Bombyx mandarina. <i>PLoS ONE</i> , 2015, 10, e0122837.	2.5	25
107	Transcriptomic Analysis of the Anterior Silk Gland in the Domestic Silkworm (Bombyx mori) – Insight into the Mechanism of Silk Formation and Spinning. <i>PLoS ONE</i> , 2015, 10, e0139424.	2.5	25
108	GC/MS-based metabolomic studies reveal key roles of glycine in regulating silk synthesis in silkworm, Bombyx mori. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 57, 41-50.	2.7	24

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109	Comparative transcriptome analysis of <i>Bombyx mori</i> spinnerets and Filippi's glands suggests their role in silk fiber formation. <i>Insect Biochemistry and Molecular Biology</i> , 2016, 68, 89-99.	2.7	24
110	A strategy for improving the mechanical properties of silk fiber by directly injection of ferric ions into silkworm. <i>Materials and Design</i> , 2018, 146, 134-141.	7.0	24
111	A comprehensive analysis of the chorion locus in silkmoth. <i>Scientific Reports</i> , 2015, 5, 16424.	3.3	23
112	The Homeodomain Transcription Factors Antennapedia and POU-M2 Regulate the Transcription of the Steroidogenic Enzyme Gene Phantom in the Silkworm. <i>Journal of Biological Chemistry</i> , 2015, 290, 24438-24452.	3.4	23
113	Comparative proteomics analysis of silkworm hemolymph during the stages of metamorphosis via liquid chromatography and mass spectrometry. <i>Proteomics</i> , 2016, 16, 1421-1431.	2.2	23
114	Integrative Proteomics and Metabolomics Analysis of Insect Larva Brain: Novel Insights into the Molecular Mechanism of Insect Wandering Behavior. <i>Journal of Proteome Research</i> , 2016, 15, 193-204.	3.7	23
115	Transcriptome analysis of the response of silkworm to drastic changes in ambient temperature. <i>Applied Microbiology and Biotechnology</i> , 2018, 102, 10161-10170.	3.6	23
116	Transgenic PDGF-BB/sericin hydrogel supports for cell proliferation and osteogenic differentiation. <i>Biomaterials Science</i> , 2020, 8, 657-672.	5.4	23
117	Transcriptome Analysis of Integument Differentially Expressed Genes in the Pigment Mutant (quail) during Molting of Silkworm, <i>Bombyx mori</i> . <i>PLoS ONE</i> , 2014, 9, e94185.	2.5	22
118	Structural insights into the unique inhibitory mechanism of the silkworm protease inhibitor serpin18. <i>Scientific Reports</i> , 2015, 5, 11863.	3.3	22
119	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
120	An array of 60,000 antibodies for proteome-scale antibody generation and target discovery. <i>Science Advances</i> , 2020, 6, eaax2271.	10.3	22
121	The 5' UTR intron of the midgut-specific BmAPN4 gene affects the level and location of expression in transgenic silkworms. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 63, 1-6.	2.7	21
122	Epigenetic Methylations on N6-Adenine and N6-Adenosine with the same Input but Different Output. <i>International Journal of Molecular Sciences</i> , 2019, 20, 2931.	4.1	21
123	Sericin-based gadolinium nanoparticles as synergistically enhancing contrast agents for pH-responsive and tumor targeting magnetic resonance imaging. <i>Materials and Design</i> , 2021, 203, 109600.	7.0	21
124	The synthesis, transportation and degradation of BmLP3 and BmLP7, two highly homologous <i>Bombyx mori</i> 30K proteins. <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 827-834.	2.7	20
125	The promoter of Bmlp3 gene can direct fat body-specific expression in the transgenic silkworm, <i>Bombyx mori</i> . <i>Transgenic Research</i> , 2013, 22, 1055-1063.	2.4	20
126	Vitellogenin receptor selectively endocytoses female-specific and highly-expressed hemolymph proteins in the silkworm, <i>Bombyx mori</i> . <i>Biochemistry and Cell Biology</i> , 2017, 95, 510-516.	2.0	20

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127	Silkworm serpin32 functions as a negative-regulator in prophenoloxidase activation. <i>Developmental and Comparative Immunology</i> , 2019, 91, 123-131.	2.3	20
128	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
129	Global expression profile of silkworm genes from larval to pupal stages: Toward a comprehensive understanding of sexual differences. <i>Insect Science</i> , 2011, 18, 607-618.	3.0	19
130	Metabolomics Analysis of the Larval Head of the Silkworm, <i>Bombyx mori</i> . <i>International Journal of Molecular Sciences</i> , 2016, 17, 1460.	4.1	19
131	Structure, evolution, and expression of antimicrobial silk proteins, seroins in Lepidoptera. <i>Insect Biochemistry and Molecular Biology</i> , 2016, 75, 24-31.	2.7	19
132	Tissue-specific genome editing of laminA/C in the posterior silk glands of <i>Bombyx mori</i> . <i>Journal of Genetics and Genomics</i> , 2017, 44, 451-459.	3.9	19
133	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
134	Phosphoenolpyruvate carboxykinase is involved in antiviral immunity against <i>Bombyx mori</i> nucleopolyhedrovirus. <i>Developmental and Comparative Immunology</i> , 2019, 92, 193-198.	2.3	19
135	MicroRNAs bmo-miR-2739 and novel-miR-167 coordinately regulate the expression of the vitellogenin receptor in <i>Bombyx mori</i> oogenesis. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	19
136	Tannic acid-assisted deposition of silk sericin on the titanium surfaces for antifouling application. <i>Colloids and Interface Science Communications</i> , 2020, 35, 100241.	4.1	19
137	Cell guidance on peptide micropatterned silk fibroin scaffolds. <i>Journal of Colloid and Interface Science</i> , 2021, 603, 380-390.	9.4	19
138	Efficient strategies for changing the diapause character of silkworm eggs and for the germline transformation of diapause silkworm strains. <i>Insect Science</i> , 2012, 19, 172-182.	3.0	18
139	Complete Genome Sequence of <i>Bacillus bombysepticus</i> , a Pathogen Leading to <i>Bombyx mori</i> Black Chest Septicemia. <i>Genome Announcements</i> , 2014, 2, .	0.8	18
140	Structural, evolutionary and functional analysis of APN genes in the Lepidoptera <i>Bombyx mori</i> . <i>Gene</i> , 2014, 535, 303-311.	2.2	18
141	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
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