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	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
2	SUMOylation of Translationally Regulated Tumor Protein Modulates Its Immune Function. Frontiers in Immunology, 2022, 13, 807097.	4.8	1
3	A salivary gland-secreted peptide regulates insect systemic growth. Cell Reports, 2022, 38, 110397.	6.4	6
4	Genetically engineered FGF1-sericin hydrogel material treats intrauterine adhesion and restores fertility in rat. International Journal of Energy Production and Management, 2022, 9, rbac016.	3.7	4
5	Genetically engineered pH-responsive silk sericin nanospheres with efficient therapeutic effect on ulcerative colitis. Acta Biomaterialia, 2022, 144, 81-95.	8.3	27
6	Chitin and cuticle proteins form the cuticular layer in the spinning duct of silkworm. Acta Biomaterialia, 2022, 145, 260-271.	8.3	11
7	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
8	Biochemical characterization and overexpression of an Î±â€amylase (<scp>BmAmy</scp>) in silkworm, Bombyx mori. Insect Molecular Biology, 2022, 31, 251-259.	2.0	1
9	An inducible constitutive expression system in Bombyx mori mediated by phiC31 integrase. Insect Science, 2021, 28, 1277-1289.	3.0	4
10	Heat shock protein 19.9 (Hsp19.9) from Bombyx mori is involved in host protection against viral infection. Developmental and Comparative Immunology, 2021, 114, 103790.	2.3	13
11	A deep insight into the transcriptome of midgut and fat body reveals the toxic mechanism of fluoride exposure in silkworm. Chemosphere, 2021, 262, 127891.	8.2	6
12	Adhesive tape-assisted etching of silk fibroin film with LiBr aqueous solution for microfluidic devices. Materials Science and Engineering C, 2021, 118, 111543.	7.3	12
13	In-depth transcriptome unveils the cadmium toxicology and a novel metallothionein in silkworm. Chemosphere, 2021, 273, 128522.	8.2	6
14	Genome-wide CRISPR-Cas9 screening in Bombyx mori reveals the toxicological mechanisms of environmental pollutants, fluoride and cadmium. Journal of Hazardous Materials, 2021, 410, 124666.	12.4	11
15	Protein composites from silkworm cocoons as versatile biomaterials. Acta Biomaterialia, 2021, 121, 180-192.	8.3	29
16	Characterization and potential application of an Î±-amylase (BmAmy1) selected during silkworm domestication. International Journal of Biological Macromolecules, 2021, 167, 1102-1112.	7.5	7
17	STING-dependent autophagy suppresses Nosema bombycis infection in silkworms, Bombyx mori. Developmental and Comparative Immunology, 2021, 115, 103862.	2.3	16
18	Knit Architecture for Water-Actuating Woolen Knitwear and Its Personalized Thermal Management. ACS Applied Materials & Interfaces, 2021, 13, 6298-6308.	8.0	25

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19	Advances in the Arms Race Between Silkworm and Baculovirus. Frontiers in Immunology, 2021, 12, 628151.	4.8	25
20	Circadian regulation of night feeding and daytime detoxification in a formidable Asian pest Spodoptera litura. Communications Biology, 2021, 4, 286.	4.4	18
21	Woolen Respirators for Thermal Management. Advanced Materials Technologies, 2021, 6, 2100201.	5.8	7
22	Estrogen-Related Receptor Influences the Hemolymph Glucose Content by Regulating Midgut Trehalase Gene Expression in the Last Instar Larvae of Bombyx mori. International Journal of Molecular Sciences, 2021, 22, 4343.	4.1	7
23	Sericin-based gadolinium nanoparticles as synergistically enhancing contrast agents for pH-responsive and tumor targeting magnetic resonance imaging. Materials and Design, 2021, 203, 109600.	7.0	21
24	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
25	Deep Sequencing Reveals the Comprehensive CRISPR-Cas9 Editing Spectrum in Bombyx mori. CRISPR Journal, 2021, 4, 371-380.	2.9	5
26	CRISPR-Mediated Endogenous Activation of Fibroin Heavy Chain Gene Triggers Cellular Stress Responses in Bombyx mori Embryonic Cells. Insects, 2021, 12, 552.	2.2	5
27	Mussel Adhesive Mimetic Silk Sericin Prepared by Enzymatic Oxidation for the Construction of Antibacterial Coatings. ACS Biomaterials Science and Engineering, 2021, 7, 3379-3388.	5.2	11
28	Function of Polyamines in Regulating Cell Cycle Progression of Cultured Silkworm Cells. Insects, 2021, 12, 624.	2.2	4
29	Adhesive property and mechanism of silkworm egg glue protein. Acta Biomaterialia, 2021, 134, 499-512.	8.3	12
30	An Innovative Solventâ€Responsive Coilingâ€“Expanding Stent. Advanced Materials, 2021, 33, e2101005.	21.0	33
31	The Antiviral Molecule 5-Pyridoxolactone Identified Post BmNPV Infection of the Silkworm, Bombyx mori. International Journal of Molecular Sciences, 2021, 22, 7423.	4.1	4
32	Haplotype-resolved genome of diploid ginger (Zingiber officinale) and its unique gingerol biosynthetic pathway. Horticulture Research, 2021, 8, 189.	6.3	53
33	Histone H3K27 methylationâ€“mediated repression of Hairy regulates insect developmental transition by modulating ecdysone biosynthesis. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	13
34	Design of an amperometric glucose oxidase biosensor with added protective and adhesion layers. Mikrochimica Acta, 2021, 188, 312.	5.0	10
35	Precise Characterization of Bombyx mori Fibroin Heavy Chain Gene Using Cpf1-Based Enrichment and Oxford Nanopore Technologies. Insects, 2021, 12, 832.	2.2	3
36	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

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37	Structural basis for juvenile hormone biosynthesis by the juvenile hormone acid methyltransferase. Journal of Biological Chemistry, 2021, 297, 101234.	3.4	15
38	SPINK7 Recognizes Fungi and Initiates Hemocyte-Mediated Immune Defense Against Fungal Infections. Frontiers in Immunology, 2021, 12, 735497.	4.8	2
39	Trypsin-type serine protease p37k hydrolyzes CPAP3-type cuticle proteins in the molting fluid of the silkworm Bombyx mori. Insect Biochemistry and Molecular Biology, 2021, 137, 103610.	2.7	7
40	Cell guidance on peptide micropatterned silk fibroin scaffolds. Journal of Colloid and Interface Science, 2021, 603, 380-390.	9.4	19
41	Toxicological evaluation of transgenic silkworms. Toxicology Research, 2021, 9, 845-853.	2.1	6
42	Constructing Silk Fibroin-Based Three-Dimensional Microfluidic Devices via a Tape Mask-Assisted Multiple-Step Etching Technique. ACS Applied Bio Materials, 2021, 4, 8039-8048.	4.6	8
43	Genomeâ€wide identification of target genes for transcription factor BRâ€C in the silkworm,Bombyx mori. Insect Science, 2021, 28, 1530-1540.	3.0	2
44	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
45	Genetic Code Expansion System for Tight Control of Gene Expression in Bombyx mori Cell Lines. Insects, 2021, 12, 1081.	2.2	1
46	SilkDB 3.0: visualizing and exploring multiple levels of data for silkworm. Nucleic Acids Research, 2020, 48, D749-D755.	14.5	59
47	Potential of transferring transgenic DNA from silkworm to chicken. International Journal of Biological Macromolecules, 2020, 142, 311-319.	7.5	6
48	CRISPR/dCas9â€mediated imaging of endogenous genomic loci in living Bombyx mori cells. Insect Science, 2020, 27, 1360-1364.	3.0	2
49	Estrogenâ€related receptor participates in regulating glycolysis and influences embryonic development in silkworm Bombyx mori. Insect Molecular Biology, 2020, 29, 160-169.	2.0	13
50	Kunitz-type protease inhibitor BmSPI51 plays an antifungal role in the silkworm cocoon. Insect Biochemistry and Molecular Biology, 2020, 116, 103258.	2.7	20
51	Transgenic PDGF-BB/sericin hydrogel supports for cell proliferation and osteogenic differentiation. Biomaterials Science, 2020, 8, 657-672.	5.4	23
52	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
53	Overexpression of Bmhsp19.9 protects BmE cells and transgenic silkworm against extreme temperatures. International Journal of Biological Macromolecules, 2020, 150, 1141-1146.	7.5	3
54	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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55	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
56	A phylogenomics approach to characterizing sensory neuron membrane proteins (SNMPs) in Lepidoptera. Insect Biochemistry and Molecular Biology, 2020, 118, 103313.	2.7	63
57	Transdermal peptide conjugated to human connective tissue growth factor with enhanced cell proliferation and hyaluronic acid synthesis activities produced by a silkworm silk gland bioreactor. Applied Microbiology and Biotechnology, 2020, 104, 9979-9990.	3.6	3
58	Comparative transcriptomic analysis reveals that multiple hormone signal transduction and carbohydrate metabolic pathways are affected by Bacillus cereus in Nicotiana tabacum. Genomics, 2020, 112, 4254-4267.	2.9	15
59	BC@DNA-Mn₃(PO₄)₂ Nanozyme for Real-Time Detection of Superoxide from Living Cells. Analytical Chemistry, 2020, 92, 15927-15935.	6.5	18
60	One-Step Dip-Coating-Fabricated Coreâ€“Shell Silk Fibroin Rice Paper Fibrous Scaffolds for 3D Tumor Spheroid Formation. ACS Applied Bio Materials, 2020, 3, 7462-7471.	4.6	10
61	Comparative Fecal Metabolomes of Silkworms Being Fed Mulberry Leaf and Artificial Diet. Insects, 2020, 11, 851.	2.2	18
62	Ultrafine and High-Strength Silk Fibers Secreted by Bimolter Silkworms. Polymers, 2020, 12, 2537.	4.5	13
63	Genome-wide CRISPR screening reveals genes essential for cell viability and resistance to abiotic and biotic stresses in Bombyx mori. Genome Research, 2020, 30, 757-767.	5.5	29
64	Effects of Certain cis-Regulatory Elements on Stage-Specific vitellogenin Expression in the Bombyx mori (Lepidoptera: Bombycidae). Journal of Insect Science, 2020, 20, .	1.5	0
65	A novel transcriptional cascade is involved in Fzr-mediated endoreplication. Nucleic Acids Research, 2020, 48, 4214-4229.	14.5	10
66	MicroRNAs bmo-miR-2739 and novel-miR-167 coordinately regulate the expression of the vitellogenin receptor in Bombyx mori oogenesis. Development (Cambridge), 2020, 147, .	2.5	19
67	An array of 60,000 antibodies for proteome-scale antibody generation and target discovery. Science Advances, 2020, 6, eaax2271.	10.3	22
68	Identification of the Vo domain of V-ATPase in Bombyx mori silkworm. International Journal of Biological Macromolecules, 2020, 163, 386-392.	7.5	4
69	Facile and Low-Cost Fabrication of a Thread/Paper-Based Wearable System for Simultaneous Detection of Lactate and pH in Human Sweat. Advanced Fiber Materials, 2020, 2, 265-278.	16.1	60
70	The novel insight into the outcomes of CRISPR/Cas9 editing intra- and inter-species. International Journal of Biological Macromolecules, 2020, 163, 711-717.	7.5	7
71	Tannic acid-assisted deposition of silk sericin on the titanium surfaces for antifouling application. Colloids and Interface Science Communications, 2020, 35, 100241.	4.1	19
72	High-Throughput Screening Identifies Two Novel Small Molecule Enhancers of Recombinant Protein Expression. Molecules, 2020, 25, 353.	3.8	2

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73	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
74	Let-7 microRNA is a critical regulator in controlling the growth and function of silk gland in the silkworm. RNA Biology, 2020, 17, 703-717.	3.1	11
75	Comparative analysis of genome editing systems, Cas9 and BE3, in silkworms. International Journal of Biological Macromolecules, 2020, 158, 486-492.	7.5	2
76	The POU Transcription Factor POU-M2 Regulates Vitellogenin Receptor Gene Expression in the Silkworm, Bombyx mori. Genes, 2020, 11, 394.	2.4	5
77	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
78	Targeted activation of BmCyclinE in Bombyx mori using designer TAL effectors. Insect Science, 2019, 26, 1055-1058.	3.0	2
79	Genome editing in Bombyx mori: New opportunities for silkworm functional genomics and the sericulture industry. Insect Science, 2019, 26, 964-972.	3.0	32
80	Enhanced Bombyx genome editing via Cas9 ribonucleoprotein injection. Insect Science, 2019, 26, 1059-1062.	3.0	4
81	Programmable activation of Bombyx gene expression using CRISPR/dCas9 fusion systems. Insect Science, 2019, 26, 983-990.	3.0	9
82	A Novel Adenosine Kinase from Bombyx mori: Enzymatic Activity, Structure, and Biological Function. International Journal of Molecular Sciences, 2019, 20, 3732.	4.1	6
83	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
84	A silkworm based silk gland bioreactor for high-efficiency production of recombinant human lactoferrin with antibacterial and anti-inflammatory activities. Journal of Biological Engineering, 2019, 13, 61.	4.7	13
85	The increase of amino acids induces the expression of vitellogenin after spinning in the silkworm Bombyx mori. Journal of Insect Physiology, 2019, 118, 103913.	2.0	1
86	Genome-Wide Identification and Expression Analysis of HD-ZIP I Gene Subfamily in Nicotiana tabacum. Genes, 2019, 10, 575.	2.4	16
87	Quality Formation Mechanism of Stiff Silkworm, Bombyx batryticatus Using UPLC-Q-TOF-MS-Based Metabolomics. Molecules, 2019, 24, 3780.	3.8	5
88	A tandem death effector domain-containing protein inhibits the IMD signaling pathway via forming amyloid-like aggregates with the caspase-8 homolog DREDD. Insect Biochemistry and Molecular Biology, 2019, 114, 103225.	2.7	2
89	Genetic fabrication of functional silk mats with improved cell proliferation activity for medical applications. Biomaterials Science, 2019, 7, 4536-4546.	5.4	12
90	Study of the whole genome, methylome and transcriptome of Cordyceps militaris. Scientific Reports, 2019, 9, 898.	3.3	17

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91	Structural and Mechanical Properties of Silk from Different Instars of Bombyx mori. Biomacromolecules, 2019, 20, 1203-1216.	5.4	58
92	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
93	Deep Insight into the Transcriptome of the Single Silk Gland of Bombyx mori. International Journal of Molecular Sciences, 2019, 20, 2491.	4.1	11
94	Epigenetic Methylations on N6-Adenine and N6-Adenosine with the same Input but Different Output. International Journal of Molecular Sciences, 2019, 20, 2931.	4.1	21
95	Disruption of the Metal Ion Environment by EDTA for Silk Formation Affects the Mechanical Properties of Silkworm Silk. International Journal of Molecular Sciences, 2019, 20, 3026.	4.1	11
96	Freeze-drying prepared ready-to-use gelatin @polypropylene nonwoven hybrid sheet for stacking 3D cell culture. Cellulose, 2019, 26, 6755-6768.	4.9	4
97	Developmental and transcriptomic features characterize defects of silk gland growth and silk production in silkworm naked pupa mutant. Insect Biochemistry and Molecular Biology, 2019, 111, 103175.	2.7	17
98	Transcriptional repression of endogenous genes in BmE cells using CRISPRi system. Insect Biochemistry and Molecular Biology, 2019, 111, 103172.	2.7	4
99	Programmable targeted epigenetic editing using CRISPR system in Bombyx mori. Insect Biochemistry and Molecular Biology, 2019, 110, 105-111.	2.7	15
100	Genome-wide annotation and comparative analysis of cuticular protein genes in the noctuid pest Spodoptera litura. Insect Biochemistry and Molecular Biology, 2019, 110, 90-97.	2.7	33
101	Synergism of open chromatin regions involved in regulating genes in Bombyx mori. Insect Biochemistry and Molecular Biology, 2019, 110, 10-18.	2.7	6
102	Identification and Characterization of the Anillin Gene in Silkworm. DNA and Cell Biology, 2019, 38, 532-540.	1.9	0
103	Optimization of a 2A self-cleaving peptide-based multigene expression system for efficient expression of upstream and downstream genes in silkworm. Molecular Genetics and Genomics, 2019, 294, 849-859.	2.1	12
104	Constructing high effective nano-Mn3(PO4)2-chitosan in situ electrochemical detection interface for superoxide anions released from living cell. Biosensors and Bioelectronics, 2019, 133, 133-140.	10.1	29
105	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
106	Transcription factor E93 regulates wing development by directly promoting Dpp signaling in Drosophila. Biochemical and Biophysical Research Communications, 2019, 513, 280-286.	2.1	7
107	Transcriptomeâ€wide analysis of N6â€methyladenosine uncovers its regulatory role in gene expression in the lepidopteran Bombyx mori. Insect Molecular Biology, 2019, 28, 703-715.	2.0	38
108	Spry is downregulated by multiple viruses to elevate ERK signaling and ensure viral reproduction in silkworm. Developmental and Comparative Immunology, 2019, 98, 1-5.	2.3	14

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109	Identification of Bombyx mori sericin 4 protein as a new biological adhesive. International Journal of Biological Macromolecules, 2019, 132, 1121-1130.	7.5	42
110	SAA-Cas9: A tunable genome editing system with increased bio-safety and reduced off-target effects. Journal of Genetics and Genomics, 2019, 46, 145-148.	3.9	1
111	Screening of PI3K-Akt-targeting Drugs for Silkworm against Bombyx mori Nucleopolyhedrovirus. Molecules, 2019, 24, 1260.	3.8	7
112	A wearable, cotton thread/paper-based microfluidic device coupled with smartphone for sweat glucose sensing. Cellulose, 2019, 26, 4553-4562.	4.9	106
113	Molecular nature of dominant naked pupa mutation reveals novel insights into silk production in Bombyx mori. Insect Biochemistry and Molecular Biology, 2019, 109, 52-62.	2.7	9
114	A Convenient, Rapid, Sensitive, and Reliable Spectrophotometric Assay for Adenylate Kinase Activity. Molecules, 2019, 24, 663.	3.8	3
115	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
116	A coaxial nanocable textured by a cerium oxide shell and carbon core for sensing nitric oxide. Mikrochimica Acta, 2019, 186, 789.	5.0	1
117	Discovery of Selective Butyrylcholinesterase (BChE) Inhibitors through a Combination of Computational Studies and Biological Evaluations. Molecules, 2019, 24, 4217.	3.8	18
118	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
119	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
120	Phosphoenolpyruvate carboxykinase is involved in antiviral immunity against Bombyx mori nucleopolyhedrovirus. Developmental and Comparative Immunology, 2019, 92, 193-198.	2.3	19
121	A novel GATA transcription factor GATAÎ24 promotes vitellogenin transcription and egg formation in the silkworm Bombyx mori. Insect Biochemistry and Molecular Biology, 2019, 107, 10-18.	2.7	14
122	Silkworm serpin32 functions as a negative-regulator in prophenoloxidase activation. Developmental and Comparative Immunology, 2019, 91, 123-131.	2.3	20
123	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
124	Systemic disruption of the homeostasis of transfer RNA isopentenyltransferase causes growth and development abnormalities in Bombyx mori. Insect Molecular Biology, 2019, 28, 380-391.	2.0	6
125	Genomeâ€wide identification of chitinâ€binding proteins and characterization of BmCBP1 in the silkworm, Bombyx mori. Insect Science, 2019, 26, 400-412.	3.0	10
126	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

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127	Selection of reference genes for tissue/organ samples on day 3 fifthâ€instar larvae in silkworm, Bombyx mori. Archives of Insect Biochemistry and Physiology, 2018, 98, e21458.	1.5	8
128	Oestrogenâ€related receptor reduces vitellogenin expression by crosstalk with the ecdysone receptor pathway in female silkworm, Bombyx mori. Insect Molecular Biology, 2018, 27, 454-463.	2.0	16
129	Bombyx mori epidermal growth factor receptor is required for nucleopolyhedrovirus replication. Insect Molecular Biology, 2018, 27, 464-477.	2.0	9
130	A new approach for comprehensively describing heterogametic sex chromosomes. DNA Research, 2018, 25, 375-382.	3.4	7
131	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
132	A Simple Method for the Cross-Section Area Determination of Single Profiled Fibers and Its Application. Microscopy and Microanalysis, 2018, 24, 17-28.	0.4	14
133	Proteomic analysis of Bombyx mori molting fluid: Insights into the molting process. Journal of Proteomics, 2018, 173, 115-125.	2.4	28
134	BmILF and i-motif structure are involved in transcriptional regulation of BmPOUM2 in Bombyx mori. Nucleic Acids Research, 2018, 46, 1710-1723.	14.5	53
135	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
136	KrÃ¼ppel 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
137	A strategy for improving the mechanical properties of silk fiber by directly injection of ferric ions into silkworm. Materials and Design, 2018, 146, 134-141.	7.0	24
138	Enhanced heat tolerance in transgenic silkworm via overexpression of Pyrococcus furiosus superoxide reductase. Insect Biochemistry and Molecular Biology, 2018, 92, 40-44.	2.7	13
139	Identification and expression analysis of EDR1-like genes in tobacco (Nicotiana tabacum) in response to Golovinomyces orontii. PeerJ, 2018, 6, e5244.	2.0	2
140	The expression of ecdysteroid UDP-glucosyltransferase enhances cocoon shell ratio by reducing ecdysteroid titre in last-instar larvae of silkworm, Bombyx mori. Scientific Reports, 2018, 8, 17710.	3.3	5
141	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
142	Proteomic Analysis of Larval Integument in a Dominant Obese Translucent (Obs) Silkworm Mutant. Journal of Insect Science, 2018, 18, .	1.5	1
143	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
144	Transcriptome analysis of the response of silkworm to drastic changes in ambient temperature. Applied Microbiology and Biotechnology, 2018, 102, 10161-10170.	3.6	23

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145	Isolation and functional characterization of a novel FLOWERING LOCUS T homolog (NtFT5) in Nicotiana tabacum. Journal of Plant Physiology, 2018, 231, 393-401.	3.5	12
146	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
147	The genome-wide transcriptional regulatory landscape of ecdysone in the silkworm. Epigenetics and Chromatin, 2018, 11, 48.	3.9	13
148	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
149	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
150	DNA methylation on N6-adenine in lepidopteran Bombyx mori. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2018, 1861, 815-825.	1.9	27
151	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
152	A Sandwich-Structured Piezoresistive Sensor with Electrospun Nanofiber Mats as Supporting, Sensing, and Packaging Layers. Polymers, 2018, 10, 575.	4.5	28
153	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
154	Antibacterial Mechanism of Gloverin2 from Silkworm, Bombyx mori. International Journal of Molecular Sciences, 2018, 19, 2275.	4.1	11
155	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
156	Back to homeostasis: Negative regulation of NF-ÎºB immune signaling in insects. Developmental and Comparative Immunology, 2018, 87, 216-223.	2.3	17
157	Stimulator of interferon genes (STING) provides insect antiviral immunity by promoting Dredd caspaseâ€“mediated NF-ÎºB activation. Journal of Biological Chemistry, 2018, 293, 11878-11890.	3.4	67
158	Zinc finger protein rotund deficiency affects development of the thoracic leg in Bombyx mori. Insect Science, 2017, 24, 385-396.	3.0	3
159	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
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