Xiao-Ling Tong

List of Publications by Year
in descending order

76 papers	1,371 citations	361296 20 h-index	414303 32 g-index
81 all docs	81 docs citations	81 times ranked	1404 citing authors

#	Article	IF	Citations
1	Multi-bioresponsive silk fibroin-based nanoparticles with on-demand cytoplasmic drug release capacity for CD44-targeted alleviation of ulcerative colitis. Biomaterials, 2019, 212, 39-54.	5.7	181
2	A Single Origin for Nymphalid Butterfly Eyespots Followed by Widespread Loss of Associated Gene Expression. PLoS Genetics, 2012, 8, e1002893.	1.5	91
3	<i>Distalâ€«</i><scp><i>L</i></scp><i>ess</i> Regulates Eyespot Patterns and Melanization in <i>Bicyclus</i> Butterflies. Journal of Experimental Zoology Part B: Molecular and Developmental Evolution, 2013, 320, 321-331.	0.6	74
4	Differential Expression of Ecdysone Receptor Leads to Variation in Phenotypic Plasticity across Serial Homologs. PLoS Genetics, 2015, 11, e1005529.	1.5	69
5	Mutation of a Cuticular Protein, <i>BmorCPR2</i>, Alters Larval Body Shape and Adaptability in Silkworm, <i>Bombyx mori</i>. Genetics, 2014, 196, 1103-1115.	1.2	57
6	Over-expression of Ultrabithorax alters embryonic body plan and wing patterns in the butterfly Bicyclus anynana. Developmental Biology, 2014, 394, 357-366.	0.9	43
7	Body Shape and Coloration of Silkworm Larvae Are Influenced by a Novel Cuticular Protein. Genetics, 2017, 207, 1053-1066.	1.2	43
8	Aspartate Decarboxylase is Required for a Normal Pupa Pigmentation Pattern in the Silkworm, Bombyx mori. Scientific Reports, 2015, 5, 10885.	1.6	33
9	Ara-c induces cell cycle G1/S arrest by inducing upregulation of the INK4 family gene or directly inhibiting the formation of the cell cycle-dependent complex CDK4/cyclin D1. Cell Cycle, 2019, 18, 2293-2306.	1.3	33
10	Topical application of silk fibroin-based hydrogel in preventing hypertrophic scars. Colloids and Surfaces B: Biointerfaces, 2020, 186, 110735.	2.5	32
11	Multi-Responsive Silk Fibroin-Based Nanoparticles for Drug Delivery. Frontiers in Chemistry, 2020, 8, 585077.	1.8	32
12	Multifunctional Dual Ionic-Covalent Membranes for Wound Healing. ACS Biomaterials Science and Engineering, 2020, 6, 6949-6960.	2.6	31
13	Rhodiola rosea extends lifespan and improves stress tolerance in silkworm, Bombyx mori. Biogerontology, 2016, 17, 373-381.	2.0	29
14	Sex Differences in 20-Hydroxyecdysone Hormone Levels Control Sexual Dimorphism in Bicyclus anynana Wing Patterns. Molecular Biology and Evolution, 2018, 35, 465-472.	3.5	29
15	<i>p27</i> inhibits CDK6/CCND1 complex formation resulting in cell cycle arrest and inhibition of cell proliferation. Cell Cycle, 2018, 17, 2335-2348.	1.3	28
16	Effect of Different Additives in Diets on Secondary Structure, Thermal and Mechanical Properties of Silkworm Silk. Materials, 2019, 12, 14.	1.3	28
17	Identification of Genes that Control Silk Yield by RNA Sequencing Analysis of Silkworm (Bombyx mori) Strains of Variable Silk Yield. International Journal of Molecular Sciences, 2018, 19, 3718.	1.8	27
18	Metformin prolongs lifespan through remodeling the energy distribution strategy in silkworm, Bombyx mori. Aging, 2019, 11, 240-248.	1.4	26

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19	QTL analysis of cocoon shell weight identifies BmRPL18 associated with silk protein synthesis in silkworm by pooling sequencing. Scientific Reports, 2017, 7, 17985.	1.6	25
20	Genome-Wide Identification and Expression Profiling of Wnt Family Genes in the Silkworm, Bombyx mori. International Journal of Molecular Sciences, 2019, 20, 1221.	1.8	23
21	Effects of Altered Catecholamine Metabolism on Pigmentation and Physical Properties of Sclerotized Regions in the Silkworm Melanism Mutant. PLoS ONE, 2012, 7, e42968.	1.1	22
22	Cuticular protein defective Bamboo mutant of Bombyx mori is sensitive to environmental stresses. Pesticide Biochemistry and Physiology, 2018, 148, 111-115.	1.6	21
23	Astragalus Polysaccharide Extends Lifespan via Mitigating Endoplasmic Reticulum Stress in the Silkworm, Bombyx mori. , 2019, 10, 1187.		20
24	Differential Involvement of Hedgehog Signaling in Butterfly Wing and Eyespot Development. PLoS ONE, 2012, 7, e51087.	1.1	20
25	HP-CagA+ Regulates the Expression of CDK4/CyclinD1 via reg3 to Change Cell Cycle and Promote Cell Proliferation. International Journal of Molecular Sciences, 2020, 21, 224.	1.8	19
26	Dyeing properties of CI reactive violet 2 on cotton fabric in non-ionic TX-100/Span40 mixed reverse micelles. Fibers and Polymers, 2015, 16, 1663-1670.	1.1	18
27	Comparative analysis of the integument transcriptomes of the black dilute mutant and the wild-type silkworm Bombyx mori. Scientific Reports, 2016, 6, 26114.	1.6	18
28	Genome-Wide Identification and Characterization of WD40 Protein Genes in the Silkworm, Bombyx mori. International Journal of Molecular Sciences, 2018, 19, 527.	1.8	17
29	Multifunctional silk fabric via surface modification of nano-SiO₂. Textile Reseach Journal, 2020, 90, 1616-1627.	1.1	15
30	Genome-wide identification and analysis of elongase of very long chain fatty acid genes in the silkworm, <i>Bombyx mori</i>. Genome, 2018, 61, 167-176.	0.9	14
31	Cocoonase is indispensable for Lepidoptera insects breaking the sealed cocoon. PLoS Genetics, 2020, 16, e1009004.	1.5	13
32	Flight Muscle and Wing Mechanical Properties are Involved in Flightlessness of the Domestic Silkmoth, Bombyx mori. Insects, 2020, 11, 220.	1.0	12
33	Identification and characterization of a new long noncoding RNA <i>iabâ€•1</i> in the Hox cluster of silkworm, <i>Bombyx mori</i> identification of <i>iabâ€•1</i>. Journal of Cellular Biochemistry, 2019, 120, 17283-17292.	1.2	11
34	Resveratrol elongates the lifespan and improves antioxidant activity in the silkworm Bombyx mori. Journal of Pharmaceutical Analysis, 2021, 11, 374-382.	2.4	11
35	Natural Silkworm Cocoon Composites with High Strength and Stiffness Constructed in Confined Cocooning Space. Polymers, 2018, 10, 1214.	2.0	10
36	The beta-1, 4-N-acetylglucosaminidase 1Âgene, selected by domestication and breeding, is involved in cocoon construction of Bombyx mori. PLoS Genetics, 2020, 16, e1008907.	1.5	10

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37	The Hox gene <i>Antennapedia</i> is essential for wing development in insects. Development (Cambridge), 2022, 149, .	1.2	10
38	Evaluation of the silkworm <i>lemon</i> mutant as an invertebrate animal model for human sepiapterin reductase deficiency. Royal Society Open Science, 2020, 7, 191888.	1.1	9
39	A novel laminin Î² gene BmLanB1-w regulates wing-specific cell adhesion in silkworm, Bombyx mori. Scientific Reports, 2015, 5, 12562.	1.6	8
40	Microarray analysis of New Green Cocoon associated genes in silkworm,<i>Bombyx mori</i>. Insect Science, 2016, 23, 386-395.	1.5	8
41	Antimicrobial hydrogels with controllable mechanical properties for biomedical application. Journal of Materials Research, 2019, 34, 1911-1921.	1.2	8
42	Lepidopteran wing scales contain abundant cross-linked film-forming histidine-rich cuticular proteins. Communications Biology, 2021, 4, 491.	2.0	8
43	iMITEdb: the genome-wide landscape of miniature inverted-repeat transposable elements in insects. Database: the Journal of Biological Databases and Curation, 2016, 2016, baw148.	1.4	8
44	Variation of lifespan in multiple strains, and effects of dietary restriction and <i>BmFoxO</i> on lifespan in silkworm, <i>Bombyx mori</i>. Oncotarget, 2017, 8, 7294-7300.	0.8	8
45	Disruption of PTPS Gene Causing Pale Body Color and Lethal Phenotype in the Silkworm, Bombyx mori. International Journal of Molecular Sciences, 2018, 19, 1024.	1.8	7
46	BmBlimp-1 gene encoding a C2H2 zinc finger protein is required for wing development in the silkworm Bombyx mori. International Journal of Biological Sciences, 2019, 15, 2664-2675.	2.6	7
47	Hippo pathway regulates somatic development and cell proliferation of silkworm. Genomics, 2019, 111, 391-397.	1.3	7
48	Excess melanin precursors rescue defective cuticular traits in stony mutant silkworms probably by upregulating four genes encoding RR1-type larval cuticular proteins. Insect Biochemistry and Molecular Biology, 2020, 119, 103315.	1.2	7
49	Structure and Properties of <i>Bombyx Mandarina</i> Silk Fiber and Hybrid Silk Fiber. Journal of Natural Fibers, 2021, 18, 330-342.	1.7	7
50	Unusual tertiary pairs in eukaryotic tRNAAla. Rna, 2020, 26, 1519-1529.	1.6	6
51	Fibroblast growth factor 21 prolongs lifespan and improves stress tolerance in the silkworm, Bombyx mori. Annals of Translational Medicine, 2020, 8, 220-220.	0.7	6
52	Fine Mapping of a Degenerated Abdominal Legs Mutant (Edl) in Silkworm, Bombyx mori. PLoS ONE, 2017, 12, e0169224.	1.1	6
53	Genome-wide identification and expression profiling of the C2H2-type zinc finger protein genes in the silkworm<i>Bombyx mori</i>. PeerJ, 2019, 7, e7222.	0.9	6
54	Comparison of Sericins from Different Sources as Natural Therapeutics against Ulcerative Colitis. ACS Biomaterials Science and Engineering, 2021, 7, 4626-4636.	2.6	5

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55	The Landscapes of Full-Length Transcripts and Splice Isoforms as Well as Transposons Exonization in the Lepidopteran Model System, Bombyx mori. Frontiers in Genetics, 2021, 12, 704162.	1.1	5
56	Molecular mapping and characterization of the silkworm apodal mutant. Scientific Reports, 2016, 6, 18956.	1.6	4
57	Genome-Wide Identification and Characterization of Tyrosine Kinases in the Silkworm, Bombyx mori. International Journal of Molecular Sciences, 2018, 19, 934.	1.8	4
58	<i>Sob</i> gene is critical to wing development in <i>Bombyx mori</i> and <i>Tribolium castaneum</i>. Insect Science, 2022, 29, 65-77.	1.5	4
59	The evolution and genetics of lepidopteran egg and caterpillar coloration. Current Opinion in Genetics and Development, 2021, 69, 140-146.	1.5	4
60	Comparative Analysis of Transcriptomes among Bombyx mori Strains and Sexes Reveals the Genes Regulating Melanic Morph and the Related Phenotypes. PLoS ONE, 2016, 11, e0155061.	1.1	3
61	Comparative Analysis of the Integument Transcriptomes between stick Mutant and Wild-Type Silkworms. International Journal of Molecular Sciences, 2018, 19, 3158.	1.8	3
62	Genome-wide identification and characterization of myosin genes in the silkworm, Bombyx mori. Gene, 2019, 691, 45-55.	1.0	3
63	DIA-based proteome reveals the involvement of cuticular proteins and lipids in the wing structure construction in the silkworm. Journal of Proteomics, 2021, 238, 104155.	1.2	3
64	Expansion of targetable sites for the ribonucleoprotein-based CRISPR/Cas9 system in the silkworm Bombyx mori. BMC Biotechnology, 2021, 21, 54.	1.7	3
65	The Role of Chitooligosaccharidolytic Î²-N-Acetylglucosamindase in the Molting and Wing Development of the Silkworm Bombyx mori. International Journal of Molecular Sciences, 2022, 23, 3850.	1.8	3
66	A Blueprint of Microstructures and Stage-Specific Transcriptome Dynamics of Cuticle Formation in Bombyx mori. International Journal of Molecular Sciences, 2022, 23, 5155.	1.8	3
67	Molecular basis of the silkworm mutant <i>re^l</i> causing red egg color and embryonic death. Insect Science, 2021, 28, 1290-1299.	1.5	2
68	Wholeâ€genome resequencing reveals loci under selection during silkworm improvement. Journal of Animal Breeding and Genetics, 2021, 138, 278-290.	0.8	2
69	Comparative Transcriptome Analysis Reveals bmo-miR-6497-3p Regulate Circadian Clock Genes during the Embryonic Diapause Induction Process in Bivoltine Silkworm. Insects, 2021, 12, 739.	1.0	2
70	Artemisinin is highly soluble in polyethylene Glycol 4000 and such solution has multiple biological effects. Acta Biochimica Polonica, 2020, 67, 203-211.	0.3	2
71	Effects of P27/Bmdacapo, in the CIP/KIP family, on cell proliferation, growth and development in the silkworm (Bombyx mori). Gene, 2019, 700, 31-37.	1.0	1
72	Identification, expression, and artificial selection of silkworm epigenetic modification enzymes. BMC Genomics, 2020, 21, 740.	1.2	1

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73	Comparative analysis of integument transcriptomes identifies genes that participate in marking pattern formation in three allelic mutants of silkworm, Bombyx mori. Functional and Integrative Genomics, 2020, 20, 223-235.	1.4	0
74	Identification and effect of Zf-AD-containing C2H2 zinc finger genes on BmNPV replication in the silkworm (Bombyx mori). Pesticide Biochemistry and Physiology, 2020, 170, 104678.	1.6	0
75	<i>Bmmp</i> influences wing morphology by regulating anteriorâ€“posterior and proximalâ€“distal axes development. Insect Science, 2022, 29, 1569-1582.	1.5	0
76	Bmelo12, an elongase of very long-chain fatty acids gene, regulates silk yield in Bombyx mori. Journal of Genetics and Genomics, 2022, , .	1.7	0