

Jun Xu

List of Publications by Year in descending order

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Version: 2024-02-01

45
papers

1,892
citations

361296

20
h-index

276775

41
g-index

52
all docs

52
docs citations

52
times ranked

1536
citing authors

#	ARTICLE	IF	CITATIONS
1	The CRISPR/Cas System mediates efficient genome engineering in <i>Bombyx mori</i> . <i>Cell Research</i> , 2013, 23, 1414-1416.	5.7	242
2	Genomic landscape and genetic manipulation of the black soldier fly <i>Hermetia illucens</i> , a natural waste recycler. <i>Cell Research</i> , 2020, 30, 50-60.	5.7	136
3	Functional characterization of SlitPBP3 in <i>Spodoptera litura</i> by CRISPR/Cas9 mediated genome editing. <i>Insect Biochemistry and Molecular Biology</i> , 2016, 75, 1-9.	1.2	117
4	Mass spider silk production through targeted gene replacement in <i>Bombyx mori</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8757-8762.	3.3	105
5	CRISPR/Cas9-mediated targeted gene mutagenesis in <i>Spodoptera litura</i> . <i>Insect Science</i> , 2016, 23, 469-477.	1.5	87
6	<i>Bombyx mori</i> P-element Somatic Inhibitor (BmPSI) Is a Key Auxiliary Factor for Silkworm Male Sex Determination. <i>PLoS Genetics</i> , 2017, 13, e1006576.	1.5	85
7	MicroRNA Let-7 regulates molting and metamorphosis in the silkworm, <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2014, 53, 13-21.	1.2	81
8	MicroRNA-14 regulates larval development time in <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2018, 93, 57-65.	1.2	65
9	Sexually dimorphic traits in the silkworm, <i>Bombyx mori</i> , are regulated by doublesex. <i>Insect Biochemistry and Molecular Biology</i> , 2017, 80, 42-51.	1.2	62
10	The FOXO transcription factor controls insect growth and development by regulating juvenile hormone degradation in the silkworm, <i>Bombyx mori</i> . <i>Journal of Biological Chemistry</i> , 2017, 292, 11659-11669.	1.6	61
11	MiR-2 family targets <i>awd</i> and <i>fng</i> to regulate wing morphogenesis in <i>Bombyx mori</i> . <i>RNA Biology</i> , 2015, 12, 742-748.	1.5	59
12	Transgenic Clustered Regularly Interspaced Short Palindromic Repeat/Cas9-Mediated Viral Gene Targeting for Antiviral Therapy of <i>Bombyx mori</i> Nucleopolyhedrovirus. <i>Journal of Virology</i> , 2017, 91, .	1.5	57
13	A Role of Arabidopsis Inositol Polyphosphate Kinase, AtIPK2 [±] , in Pollen Germination and Root Growth. <i>Plant Physiology</i> , 2005, 137, 94-103.	2.3	49
14	Expansion of CRISPR targeting sites in <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016, 72, 31-40.	1.2	45
15	Ectopic expression of ecdysone oxidase impairs tissue degeneration in <i>Bombyx mori</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150513.	1.2	42
16	Transcription activator-like effector nuclease (TALEN)-mediated female-specific sterility in the silkworm, <i>Bombyx mori</i> . <i>Insect Molecular Biology</i> , 2014, 23, 800-807.	1.0	41
17	CYP18A1 regulates tissue-specific steroid hormone inactivation in <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2014, 54, 33-41.	1.2	40
18	Enhancement of Larval RNAi Efficiency by Over-expressing <i>Argonaute2</i> in <i>Bombyx mori</i> . <i>International Journal of Biological Sciences</i> , 2015, 11, 176-185.	2.6	37

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19	Identification of a germline-specific expression promoter for genome editing in <i>Bombyx mori</i> . <i>Insect Science</i> , 2019, 26, 991-999.	1.5	33
20	Dysfunction of dimorphic sperm impairs male fertility in the silkworm. <i>Cell Discovery</i> , 2020, 6, 60.	3.1	30
21	Mutation of the seminal protease gene, serine protease 2, results in male sterility in diverse lepidopterans. <i>Insect Biochemistry and Molecular Biology</i> , 2020, 116, 103243.	1.2	28
22	Site-specific, TALENs-mediated transformation of <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2014, 55, 26-30.	1.2	25
23	Maelstrom regulates spermatogenesis of the silkworm, <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2019, 109, 43-51.	1.2	24
24	The <i>Masc</i> gene product controls masculinization in the black cutworm, <i>Agrotis ipsilon</i> . <i>Insect Science</i> , 2019, 26, 1037-1044.	1.5	22
25	Regulation of olfactory-based sex behaviors in the silkworm by genes in the sex-determination cascade. <i>PLoS Genetics</i> , 2020, 16, e1008622.	1.5	22
26	Protein visualization and manipulation in <i>Drosophila</i> through the use of epitope tags recognized by nanobodies. <i>eLife</i> , 2022, 11, .	2.8	22
27	Mutation of doublesex induces sex-specific sterility of the diamondback moth <i>Plutella xylostella</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2019, 112, 103180.	1.2	21
28	CRISPR/Cas9-mediated <i>ebony</i> knockout results in puparium melanism in <i>Spodoptera litura</i> . <i>Insect Science</i> , 2019, 26, 1011-1019.	1.5	21
29	Disruption of the <i>ovarian serine protease</i> (<i>Osp</i>) gene causes female sterility in <i>Bombyx mori</i> and <i>Spodoptera litura</i> . <i>Pest Management Science</i> , 2020, 76, 1245-1255.	1.7	20
30	miR-34 regulates larval growth and wing morphogenesis by directly modulating ecdysone signalling and cuticle protein in <i>Bombyx mori</i> . <i>RNA Biology</i> , 2020, 17, 1342-1351.	1.5	20
31	Gtsf1 is essential for proper female sex determination and transposon silencing in the silkworm, <i>Bombyx mori</i> . <i>PLoS Genetics</i> , 2020, 16, e1009194.	1.5	20
32	Functional characterization of the vitellogenin promoter in the silkworm, <i>Bombyx mori</i> . <i>Insect Molecular Biology</i> , 2014, 23, 550-557.	1.0	19
33	Genome editing in insects: current status and challenges. <i>National Science Review</i> , 2019, 6, 399-401.	4.6	18
34	Mutation of <i>doublesex</i> in <i>Hyphantria cunea</i> results in sex-specific sterility. <i>Pest Management Science</i> , 2020, 76, 1673-1682.	1.7	18
35	Intersex regulates female external genital and imaginal disc development in the silkworm. <i>Insect Biochemistry and Molecular Biology</i> , 2019, 108, 1-8.	1.2	17
36	Transgenic characterization of two testis-specific promoters in the silkworm, <i>Bombyx mori</i> . <i>Insect Molecular Biology</i> , 2015, 24, 183-190.	1.0	14

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37	CRISPR Disruption of BmOvo Resulted in the Failure of Emergence and Affected the Wing and Gonad Development in the Silkworm <i>Bombyx mori</i> . <i>Insects</i> , 2019, 10, 254.	1.0	12
38	5- β -Nucleotidase Plays a Key Role in Uric Acid Metabolism of <i>Bombyx mori</i> . <i>Cells</i> , 2021, 10, 2243.	1.8	11
39	CRISPR disruption of TCTP gene impaired normal development in the silkworm <i>Bombyx mori</i> . <i>Insect Science</i> , 2019, 26, 973-982.	1.5	10
40	Methods and tools for spatial mapping of single-cell RNAseq clusters in <i>Drosophila</i> . <i>Genetics</i> , 2021, 217, .	1.2	10
41	BmPMFBP1 regulates the development of eupyrene sperm in the silkworm, <i>Bombyx mori</i> . <i>PLoS Genetics</i> , 2022, 18, e1010131.	1.5	10
42	Allelic-specific expression in relation to <i>Bombyx mori</i> resistance to Bt toxin. <i>Insect Biochemistry and Molecular Biology</i> , 2014, 54, 53-60.	1.2	9
43	MicroRNA-2738 regulates gene expression in the sex determination pathway in <i>Bombyx mori</i> . <i>Insect Science</i> , 2020, 27, 646-654.	1.5	6
44	Mutation of Serine protease 1 Induces Male Sterility in <i>Bombyx mori</i> . <i>Frontiers in Physiology</i> , 2022, 13, 828859.	1.3	3
45	Mutation of <i>P</i> -element somatic inhibitor induces male sterility in the diamondback moth, <i>Plutella xylostella</i> . <i>Pest Management Science</i> , 2021, 77, 3588-3596.	1.7	2