

# Yong-Ping Huang

## List of Publications by Year in descending order

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85  
papers

2,761  
citations

201385

27  
h-index

205818

48  
g-index

85  
all docs

85  
docs citations

85  
times ranked

2165  
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	CRISPR/Cas9 mediated knockout of the abdominal-A homeotic gene in the global pest, diamondback moth ( <i>Plutella xylostella</i> ). <i>Insect Biochemistry and Molecular Biology</i> , 2016, 75, 98-106.	1.2	111
5	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
6	Functional metagenomics reveals abundant polysaccharide-degrading gene clusters and cellobiose utilization pathways within gut microbiota of a wood-feeding higher termite. <i>ISME Journal</i> , 2019, 13, 104-117.	4.4	93
7	CRISPR/Cas9-mediated targeted gene mutagenesis in <i>Spodoptera litura</i> . <i>Insect Science</i> , 2016, 23, 469-477.	1.5	87
8	<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
9	Fall webworm genomes yield insights into rapid adaptation of invasive species. <i>Nature Ecology and Evolution</i> , 2019, 3, 105-115.	3.4	82
10	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
11	Deletion of the <i>Bombyx mori</i> odorant receptor co-receptor (BmOrco) impairs olfactory sensitivity in silkworms. <i>Insect Biochemistry and Molecular Biology</i> , 2017, 86, 58-67.	1.2	80
12	Systematic characterization and proposed pathway of tetracycline degradation in solid waste treatment by <i>Hermetia illucens</i> with intestinal microbiota. <i>Environmental Pollution</i> , 2018, 242, 634-642.	3.7	80
13	Functional analysis of <i>Bombyx</i> Wnt1 during embryogenesis using the CRISPR/Cas9 system. <i>Journal of Insect Physiology</i> , 2015, 79, 73-79.	0.9	69
14	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
15	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
16	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
17	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
18	Draft genome of the cotton aphid <i>Aphis gossypii</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2019, 105, 25-32.	1.2	55

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19	Depletion of juvenile hormone esterase extends larval growth in <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2017, 81, 72-79.	1.2	48
20	CRISPR/Cas9 mediated gene knockout reveals a more important role of PBP1 than PBP2 in the perception of female sex pheromone components in <i>Spodoptera litura</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2019, 115, 103244.	1.2	46
21	Expansion of CRISPR targeting sites in <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016, 72, 31-40.	1.2	45
22	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
23	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
24	Identification of yellow gene family in <i>Agrotis ipsilon</i> and functional analysis of Aiyellow-y by CRISPR/Cas9. <i>Insect Biochemistry and Molecular Biology</i> , 2018, 94, 1-9.	1.2	40
25	Silkworm genetic sexing through W chromosome-linked, targeted gene integration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8752-8756.	3.3	40
26	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
27	Chromosome-level genome assembly of an important pine defoliator, <i>Dendrolimus punctatus</i> (Lepidoptera; Lasiocampidae). <i>Molecular Ecology Resources</i> , 2020, 20, 1023-1037.	2.2	34
28	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
29	Dysfunction of dimorphic sperm impairs male fertility in the silkworm. <i>Cell Discovery</i> , 2020, 6, 60.	3.1	30
30	Functional characterization of Pol III U6 promoters for gene knockdown and knockout in <i>Plutella xylostella</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2017, 89, 71-78.	1.2	29
31	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
32	CRISPR/Cas9 mediated BLOS2 knockout resulting in disappearance of yellow strips and white spots on the larval integument in <i>Spodoptera litura</i> . <i>Journal of Insect Physiology</i> , 2017, 103, 29-35.	0.9	27
33	Disruption of sex-specific <i>doublesex</i> exons results in male- and female-specific defects in the black cutworm, <i>Agrotis ipsilon</i> . <i>Pest Management Science</i> , 2019, 75, 1697-1706.	1.7	26
34	Site-specific, TALENs-mediated transformation of <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2014, 55, 26-30.	1.2	25
35	<i>Bombyx mori</i> histone methyltransferase BmAsh2 is essential for silkworm piRNA-mediated sex determination. <i>PLoS Genetics</i> , 2018, 14, e1007245.	1.5	24
36	Maelstrom regulates spermatogenesis of the silkworm, <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2019, 109, 43-51.	1.2	24

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37	Medical Image Segmentation using PCNN based on Multi-feature Grey Wolf Optimizer Bionic Algorithm. <i>Journal of Bionic Engineering</i> , 2021, 18, 711-720.	2.7	24
38	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
39	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
40	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
41	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
42	<i>Gtsf1</i> 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
43	Genome editing in insects: current status and challenges. <i>National Science Review</i> , 2019, 6, 399-401.	4.6	18
44	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
45	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
46	Black soldier fly larvae effectively degrade lincomycin from pharmaceutical industry wastes. <i>Journal of Environmental Management</i> , 2022, 307, 114539.	3.8	17
47	Genome Editing of <i>Wnt-1</i> , a Gene Associated with Segmentation, via CRISPR/Cas9 in the Pine Caterpillar Moth, <i>Dendrolimus punctatus</i> . <i>Frontiers in Physiology</i> , 2016, 7, 666.	1.3	16
48	CRISPR/Cas9-mediated <i>Tyrosine hydroxylase</i> knockout resulting in larval lethality in <i>Agrotis ipsilon</i> . <i>Insect Science</i> , 2018, 25, 1017-1024.	1.5	16
49	Identification and functional characterization of <i>doublesex</i> gene in the testis of <i>Spodoptera litura</i> . <i>Insect Science</i> , 2019, 26, 1000-1010.	1.5	15
50	Insecticidal Specificity of <i>Cry1Ah</i> to <i>Helicoverpa armigera</i> Is Determined by Binding of <i>APN1</i> via Domain II Loops 2 and 3. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	1.4	14
51	The Sex Determination Cascade in the Silkworm. <i>Genes</i> , 2021, 12, 315.	1.0	13
52	CRISPR Disruption of <i>BmOvo</i> 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
53	Intuitionistic Fuzzy C-Means Algorithm Based on Membership Information Transfer-Ring and Similarity Measurement. <i>Sensors</i> , 2021, 21, 696.	2.1	12
54	5'-Nucleotidase Plays a Key Role in Uric Acid Metabolism of <i>Bombyx mori</i> . <i>Cells</i> , 2021, 10, 2243.	1.8	11

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55	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
56	BmPMFBP1 regulates the development of eupyrene sperm in the silkworm, <i>Bombyx mori</i> . <i>PLoS Genetics</i> , 2022, 18, e1010131.	1.5	10
57	SSR based linkage and mapping analysis of <i>C</i> , a yellow cocoon gene in the silkworm, <i>Bombyx mori</i> . <i>Insect Science</i> , 2008, 15, 399-404.	1.5	9
58	Effects of High Magneto-Gravitational Environment on Silkworm Embryogenesis. <i>Microgravity Science and Technology</i> , 2010, 22, 163-170.	0.7	9
59	Intracolony differences in gut bacterial community between worker and soldier castes of <i>Coptotermes formosanus</i> . <i>Insect Science</i> , 2012, 19, 86-95.	1.5	9
60	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
61	Disruption of egg-specific protein causes female sterility in <i>Bombyx mori</i> . <i>Insect Science</i> , 2022, 29, 128-138.	1.5	9
62	Mutation of <i>Bdpaired</i> induces embryo lethality in the oriental fruit fly, <i>Bactrocera dorsalis</i> . <i>Pest Management Science</i> , 2020, 76, 944-951.	1.7	8
63	Role of juvenile hormone receptor &Methoprene-tolerant 1 in silkworm larval brain development and domestication. <i>Zoological Research</i> , 2021, 42, 637-649.	0.9	8
64	The draft genome of the Asian corn borer yields insights into ecological adaptation of a devastating maize pest. <i>Insect Biochemistry and Molecular Biology</i> , 2021, 138, 103638.	1.2	8
65	The genome of the black cutworm <i>Agrotis ipsilon</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2021, 139, 103665.	1.2	8
66	<i>BmHpo</i> mutation induces smaller body size and late stage larval lethality in the silkworm, <i>Bombyx mori</i> . <i>Insect Science</i> , 2018, 25, 1006-1016.	1.5	7
67	A single ortholog of <i>teashirt</i> and <i>tiptop</i> regulates larval pigmentation and adult appendage patterning in <i>Bombyx mori</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2020, 121, 103369.	1.2	7
68	Masculinizer and Doublesex as Key Factors Regulate Sexual Dimorphism in <i>Ostrinia furnacalis</i> . <i>Cells</i> , 2022, 11, 2161.	1.8	7
69	Microsatellite markers application on domesticated silkworm and wild silkworm. <i>Insect Science</i> , 2005, 12, 413-419.	1.5	6
70	<i>De novo</i> biosynthesis of sex pheromone components of <i>Helicoverpa armigera</i> through an artificial pathway in yeast. <i>Green Chemistry</i> , 2022, 24, 767-778.	4.6	6
71	Plant species specific defense signal communication differentially regulates glutathione S-transferase activity and gene expression in the <i>Helicoverpa armigera</i> (Hubner). <i>Journal of Plant Interactions</i> , 2007, 2, 93-99.	1.0	5
72	Metatranscriptome of the protistan community in <i>Reticulitermes flaviceps</i> . <i>Insect Science</i> , 2016, 23, 543-547.	1.5	5

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73	piggyBac-based transgenic RNAi of serine protease 2 results in male sterility in <i>Hyphantria cunea</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2022, 143, 103726.	1.2	5
74	Identification and phylogeny of five male-specific lethal genes in the silkworm <i>Bombyx mori</i> . <i>Entomological Research</i> , 2008, 38, S48.	0.6	3
75	ST-VLAD: Video Face Recognition Based on Aggregated Local Spatial-Temporal Descriptors. <i>IEEE Access</i> , 2021, 9, 31170-31178.	2.6	3
76	Transgenic genome editing-derived antiviral therapy to nucleopolyhedrovirus infection in the industrial strain of the silkworm. <i>Insect Biochemistry and Molecular Biology</i> , 2021, 139, 103672.	1.2	3
77	Mutation of Serine protease 1 Induces Male Sterility in <i>Bombyx mori</i> . <i>Frontiers in Physiology</i> , 2022, 13, 828859.	1.3	3
78	CRISPR/Cas9-Mediated Disruption of the <i>lef8</i> and <i>lef9</i> to Inhibit Nucleopolyhedrovirus Replication in Silkworms. <i>Viruses</i> , 2022, 14, 1119.	1.5	3
79	RB-Net: Integrating region and boundary features for image manipulation localization. <i>Multimedia Systems</i> , 0, 1.	3.0	2
80	Construction of Baculovirus-Inducible CRISPR/Cas9 Antiviral System Targeting BmNPV in <i>Bombyx mori</i> . <i>Viruses</i> , 2022, 14, 59.	1.5	2
81	U1 small nuclear ribonucleoprotein is essential for early larval development in silkworm, <i>Bombyx mori</i> . <i>Insect Science</i> , 2022, 29, 379-387.	1.5	1
82	A distributed power management design based on MOST networks. <i>Computer Science and Information Systems</i> , 2011, 8, 1097-1115.	0.7	1
83	PID Parameters Self-tuning Based on Genetic Algorithm and Neural Network. , 2017, , .		1
84	Leap forward with insect genomics. <i>Insect Science</i> , 2016, 23, 332-334.	1.5	0
85	Vehicle detection method based on adaptive multi-scale feature fusion network. <i>Journal of Electronic Imaging</i> , 2022, 31, .	0.5	0