Yong-Ping Huang

List of Publications by Year
in descending order

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		201674	206112
85	2,761	27	48
papers	citations	h-index	g-index

85	85	85	2165
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The CRISPR/Cas System mediates efficient genome engineering in Bombyx mori. Cell Research, 2013, 23, 1414-1416.	12.0	242
2	Genomic landscape and genetic manipulation of the black soldier fly Hermetia illucens, a natural waste recycler. Cell Research, 2020, 30, 50-60.	12.0	136
3	Functional characterization of SlitPBP3 in Spodoptera litura by CRISPR/Cas9 mediated genome editing. Insect Biochemistry and Molecular Biology, 2016, 75, 1-9.	2.7	117
4	CRISPR/Cas9 mediated knockout of the abdominal-A homeotic gene in the global pest, diamondback moth (Plutella xylostella). Insect Biochemistry and Molecular Biology, 2016, 75, 98-106.	2.7	111
5	Mass spider silk production through targeted gene replacement in Bombyx mori. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8757-8762.	7.1	105
6	Functional metagenomics reveals abundant polysaccharide-degrading gene clusters and cellobiose utilization pathways within gut microbiota of a wood-feeding higher termite. ISME Journal, 2019, 13, 104-117.	9.8	93
7	CRISPR/Cas9-mediated targeted gene mutagenesis inSpodoptera litura. Insect Science, 2016, 23, 469-477.	3.0	87
8	Bombyx mori P-element Somatic Inhibitor (BmPSI) Is a Key Auxiliary Factor for Silkworm Male Sex Determination. PLoS Genetics, 2017, 13, e1006576.	3.5	85
9	Fall webworm genomes yield insights into rapid adaptation of invasive species. Nature Ecology and Evolution, 2019, 3, 105-115.	7.8	82
10	MicroRNA Let-7 regulates molting and metamorphosis in the silkworm, Bombyx mori. Insect Biochemistry and Molecular Biology, 2014, 53, 13-21.	2.7	81
11	Deletion of the Bombyx mori odorant receptor co-receptor (BmOrco) impairs olfactory sensitivity in silkworms. Insect Biochemistry and Molecular Biology, 2017, 86, 58-67.	2.7	80
12	Systematic characterization and proposed pathway of tetracycline degradation in solid waste treatment by Hermetia illucens with intestinal microbiota. Environmental Pollution, 2018, 242, 634-642.	7.5	80
13	Functional analysis of Bombyx Wnt1 during embryogenesis using the CRISPR/Cas9 system. Journal of Insect Physiology, 2015, 79, 73-79.	2.0	69
14	MicroRNA-14 regulates larval development time in Bombyx mori. Insect Biochemistry and Molecular Biology, 2018, 93, 57-65.	2.7	65
15	Sexually dimorphic traits in the silkworm, Bombyx mori, are regulated by doublesex. Insect Biochemistry and Molecular Biology, 2017, 80, 42-51.	2.7	62
16	The FOXO transcription factor controls insect growth and development by regulating juvenile hormone degradation in the silkworm, Bombyx mori. Journal of Biological Chemistry, 2017, 292, 11659-11669.	3.4	61
17	Transgenic Clustered Regularly Interspaced Short Palindromic Repeat/Cas9-Mediated Viral Gene Targeting for Antiviral Therapy of Bombyx mori Nucleopolyhedrovirus. Journal of Virology, 2017, 91, .	3.4	57
18	Draft genome of the cotton aphid Aphis gossypii. Insect Biochemistry and Molecular Biology, 2019, 105, 25-32.	2.7	55

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19	Depletion of juvenile hormone esterase extends larval growth in Bombyx mori. Insect Biochemistry and Molecular Biology, 2017, 81, 72-79.	2.7	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 Spodoptera litura. Insect Biochemistry and Molecular Biology, 2019, 115, 103244.	2.7	46
21	Expansion of CRISPR targeting sites in Bombyx mori. Insect Biochemistry and Molecular Biology, 2016, 72, 31-40.	2.7	45
22	Ectopic expression of ecdysone oxidase impairs tissue degeneration in Bombyx mori. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20150513.	2.6	42
23	CYP18A1 regulates tissue-specific steroid hormone inactivation in Bombyx mori. Insect Biochemistry and Molecular Biology, 2014, 54, 33-41.	2.7	40
24	Identification of yellow gene family in Agrotis ipsilon and functional analysis of Aiyellow-y by CRISPR/Cas9. Insect Biochemistry and Molecular Biology, 2018, 94, 1-9.	2.7	40
25	Silkworm genetic sexing through W chromosome-linked, targeted gene integration. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8752-8756.	7.1	40
26	Enhancement of Larval RNAi Efficiency by Over-expressing Argonaute2 in Bombyx mori. International Journal of Biological Sciences, 2015, 11, 176-185.	6.4	37
27	Chromosomeâ€level genome assembly of an important pine defoliator, Dendrolimus punctatus (Lepidoptera; Lasiocampidae). Molecular Ecology Resources, 2020, 20, 1023-1037.	4.8	34
28	Identification of a germlineâ€expression promoter for genome editing in Bombyx mori. Insect Science, 2019, 26, 991-999.	3.0	33
29	Dysfunction of dimorphic sperm impairs male fertility in the silkworm. Cell Discovery, 2020, 6, 60.	6.7	30
30	Functional characterization of Pol III U6 promoters for gene knockdown and knockout in Plutella xylostella. Insect Biochemistry and Molecular Biology, 2017, 89, 71-78.	2.7	29
31	Mutation of the seminal protease gene, serine protease 2, results in male sterility in diverse lepidopterans. Insect Biochemistry and Molecular Biology, 2020, 116, 103243.	2.7	28
32	CRISPR/Cas9 mediated BLOS2 knockout resulting in disappearance of yellow strips and white spots on the larval integument in Spodoptera litura. Journal of Insect Physiology, 2017, 103, 29-35.	2.0	27
33	Disruption of sexâ€specific doublesex exons results in maleâ€and femaleâ€specific defects in the black cutworm, Agrotis ipsilon. Pest Management Science, 2019, 75, 1697-1706.	3.4	26
34	Site-specific, TALENs-mediated transformation of Bombyx mori. Insect Biochemistry and Molecular Biology, 2014, 55, 26-30.	2.7	25
35	Bombyx mori histone methyltransferase BmAsh2 is essential for silkworm piRNA-mediated sex determination. PLoS Genetics, 2018, 14, e1007245.	3.5	24
36	Maelstrom regulates spermatogenesis of the silkworm, Bombyx mori. Insect Biochemistry and Molecular Biology, 2019, 109, 43-51.	2.7	24

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37	Medical Image Segmentation using PCNN based on Multi-feature Grey Wolf Optimizer Bionic Algorithm. Journal of Bionic Engineering, 2021, 18, 711-720.	5.0	24
38	The Masc gene product controls masculinization in the black cutworm, Agrotis ipsilon. Insect Science, 2019, 26, 1037-1044.	3.0	22
39	Regulation of olfactory-based sex behaviors in the silkworm by genes in the sex-determination cascade. PLoS Genetics, 2020, 16, e1008622.	3.5	22
40	CRISPR/Cas9â€mediated ebony knockout results in puparium melanism in Spodoptera litura. Insect Science, 2019, 26, 1011-1019.	3.0	21
41	Disruption of the ovarian serine protease (Osp) gene causes female sterility in Bombyx mori and Spodoptera litura. Pest Management Science, 2020, 76, 1245-1255.	3.4	20
42	Gtsf1 is essential for proper female sex determination and transposon silencing in the silkworm, Bombyx mori. PLoS Genetics, 2020, 16, e1009194.	3.5	20
43	Genome editing in insects: current status and challenges. National Science Review, 2019, 6, 399-401.	9.5	18
44	Mutation of doublesex in <scp>Hyphantria cunea</scp> results in sexâ€specific sterility. Pest Management Science, 2020, 76, 1673-1682.	3.4	18
45	Intersex regulates female external genital and imaginal disc development in the silkworm. Insect Biochemistry and Molecular Biology, 2019, 108, 1-8.	2.7	17
46	Black soldier fly larvae effectively degrade lincomycin from pharmaceutical industry wastes. Journal of Environmental Management, 2022, 307, 114539.	7.8	17
47	Genome Editing of Wnt-1, a Gene Associated with Segmentation, via CRISPR/Cas9 in the Pine Caterpillar Moth, Dendrolimus punctatus. Frontiers in Physiology, 2016, 7, 666.	2.8	16
48	CRISPR/Cas9â€mediated Tyrosine hydroxylase knockout resulting in larval lethality in Agrotis ipsilon. Insect Science, 2018, 25, 1017-1024.	3.0	16
49	Identification and functional characterization of doublesex gene in the testis of Spodoptera litura. Insect Science, 2019, 26, 1000-1010.	3.0	15
50	Insecticidal Specificity of Cry1Ah to Helicoverpa armigera Is Determined by Binding of APN1 via Domain II Loops 2 and 3. Applied and Environmental Microbiology, 2017, 83, .	3.1	14
51	The Sex Determination Cascade in the Silkworm. Genes, 2021, 12, 315.	2.4	13
52	CRISPR Disruption of BmOvo Resulted in the Failure of Emergence and Affected the Wing and Gonad Development in the Silkworm Bombyx mori. Insects, 2019, 10, 254.	2.2	12
53	Intuitionistic Fuzzy C-Means Algorithm Based on Membership Information Transfer-Ring and Similarity Measurement. Sensors, 2021, 21, 696.	3.8	12
54	5â€²-Nucleotidase Plays a Key Role in Uric Acid Metabolism of Bombyx mori. Cells, 2021, 10, 2243.	4.1	11

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55	CRISPR disruption of TCTP gene impaired normal development in the silkworm Bombyx mori. Insect Science, 2019, 26, 973-982.	3.0	10
56	BmPMFBP1 regulates the development of eupyrene sperm in the silkworm, Bombyx mori. PLoS Genetics, 2022, 18, e1010131.	3.5	10
57	SSR based linkage and mapping analysis of C, a yellow cocoon gene in the silkworm, Bombyx mori. Insect Science, 2008, 15, 399-404.	3.0	9
58	Effects of High Magneto-Gravitational Environment on Silkworm Embryogenesis. Microgravity Science and Technology, 2010, 22, 163-170.	1.4	9
59	Intracolonial differences in gut bacterial community between worker and soldier castes of Coptotermes formosanus. Insect Science, 2012, 19, 86-95.	3.0	9
60	Allelic-specific expression in relation to Bombyx mori resistance to Bt toxin. Insect Biochemistry and Molecular Biology, 2014, 54, 53-60.	2.7	9
61	Disruption of eggâ€specific protein causes female sterility inBombyx mori. Insect Science, 2022, 29, 128-138.	3.0	9
62	Mutation of Bdpaired induces embryo lethality in the oriental fruit fly, Bactrocera dorsalis. Pest Management Science, 2020, 76, 944-951.	3.4	8
63	Role of juvenile hormone receptor <i>Methoprene-tolerant 1</i> in silkworm larval brain development and domestication. Zoological Research, 2021, 42, 637-649.	2.1	8
64	The draft genome of the Asian corn borer yields insights into ecological adaptation of a devastating maize pest. Insect Biochemistry and Molecular Biology, 2021, 138, 103638.	2.7	8
65	The genome of the black cutworm Agrotis ipsilon. Insect Biochemistry and Molecular Biology, 2021, 139, 103665.	2.7	8
66	BmHpo mutation induces smaller body size and late stage larval lethality in the silkworm, Bombyx mori. Insect Science, 2018, 25, 1006-1016.	3.0	7
67	A single ortholog of teashirt and tiptop regulates larval pigmentation and adult appendage patterning in Bombyx mori. Insect Biochemistry and Molecular Biology, 2020, 121, 103369.	2.7	7
68	Masculinizer and Doublesex as Key Factors Regulate Sexual Dimorphism in Ostrinia furnacalis. Cells, 2022, 11, 2161.	4.1	7
69	Microsatellite markers application on domesticated silkworm and wild silkworm. Insect Science, 2005, 12, 413-419.	3.0	6
70	De novo biosynthesis of sex pheromone components of Helicoverpa armigera through an artificial pathway in yeast. Green Chemistry, 2022, 24, 767-778.	9.0	6
71	Plant species specific defense signal communication differentially regulates glutathione S-transferase activity and gene expression in theHelicoverpa armigera(Hubner). Journal of Plant Interactions, 2007, 2, 93-99.	2.1	5
72	Metatranscriptome of the protistan community in Reticulitermes flaviceps. Insect Science, 2016, 23, 543-547.	3.0	5

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73	piggyBac-based transgenic RNAi of serine protease 2 results in male sterility in Hyphantria cunea. Insect Biochemistry and Molecular Biology, 2022, 143, 103726.	2.7	5
74	Identification and phylogeny of five maleâ€specific lethal genes in the silkworm Bombyx mori. Entomological Research, 2008, 38, S48.	1.1	3
75	ST-VLAD: Video Face Recognition Based on Aggregated Local Spatial-Temporal Descriptors. IEEE Access, 2021, 9, 31170-31178.	4.2	3
76	Transgenic genome editing-derived antiviral therapy to nucleopolyhedrovirus infection in the industrial strain of the silkworm. Insect Biochemistry and Molecular Biology, 2021, 139, 103672.	2.7	3
77	Mutation of Serine protease 1 Induces Male Sterility in Bombyx mori. Frontiers in Physiology, 2022, 13, 828859.	2.8	3
78	CRISPR/Cas9-Mediated Disruption of the lef8 and lef9 to Inhibit Nucleopolyhedrovirus Replication in Silkworms. Viruses, 2022, 14, 1119.	3.3	3
79	RB-Net: integrating region and boundary features for image manipulation localization. Multimedia Systems, 0, , 1.	4.7	2
80	Construction of Baculovirus-Inducible CRISPR/Cas9 Antiviral System Targeting BmNPV in Bombyx mori. Viruses, 2022, 14, 59.	3.3	2
81	U1 small nuclear ribonucleoprotein is essential for early larval development in silkworm, Bombyx mori. Insect Science, 2022, 29, 379-387.	3.0	1
82	A distributed power management design based on MOST networks. Computer Science and Information Systems, 2011, 8, 1097-1115.	1.0	1
83	PID Parameters Self-tuning Based on Genetic Algorithm and Neural Network. , 2017, , .		1
84	Leap forward with insect genomics. Insect Science, 2016, 23, 332-334.	3.0	0
85	Vehicle detection method based on adaptive multi-scale feature fusion network. Journal of Electronic Imaging, 2022, 31, .	0.9	0