

Hong-Bo Jiang

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,558
citations

361413

20
h-index

345221

36
g-index

60
all docs

60
docs citations

60
times ranked

1512
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of endogenous references for gene expression profiling in different tissues of the oriental fruit fly <i>Bactrocera dorsalis</i> (Diptera: Tephritidae). <i>BMC Molecular Biology</i> , 2010, 11, 76.	3.0	180
2	Multifaceted biological insights from a draft genome sequence of the tobacco hornworm moth, <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016, 76, 118-147.	2.7	154
3	Natalisin, a tachykinin-like signaling system, regulates sexual activity and fecundity in insects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E3526-34.	7.1	129
4	The miR-9b microRNA mediates dimorphism and development of wing in aphids. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 8404-8409.	7.1	69
5	Validation of endogenous reference genes for insecticide-induced and developmental expression profiling of <i>Liposcelis bostrychophila</i> (Psocoptera: Liposcelididae). <i>Molecular Biology Reports</i> , 2010, 37, 1019-1029.	2.3	55
6	Functional Phylogenetics Reveals Contributions of Pleiotropic Peptide Action to Ligand-Receptor Coevolution. <i>Scientific Reports</i> , 2014, 4, 6800.	3.3	53
7	Ecdysis Triggering Hormone Signaling (ETH/ETHR-A) Is Required for the Larva-Larva Ecdysis in <i>Bactrocera dorsalis</i> (Diptera: Tephritidae). <i>Frontiers in Physiology</i> , 2017, 8, 587.	2.8	50
8	Adipokinetic hormone receptor gene identification and its role in triacylglycerol mobilization and sexual behavior in the oriental fruit fly (<i>Bactrocera dorsalis</i>). <i>Insect Biochemistry and Molecular Biology</i> , 2017, 90, 1-13.	2.7	43
9	Alternatively spliced orckinin isoforms and their functions in <i>Tribolium castaneum</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2015, 65, 1-9.	2.7	42
10	Molecular cloning and functional characterization of the diapause hormone receptor in the corn earworm <i>Helicoverpa zea</i> . <i>Peptides</i> , 2014, 53, 243-249.	2.4	38
11	Functional characterization of an $\hat{\iota}$ -esterase gene involving malathion detoxification in <i>Bactrocera dorsalis</i> (Hendel). <i>Pesticide Biochemistry and Physiology</i> , 2016, 130, 44-51.	3.6	38
12	Differential expression of genes in the alate and apterous morphs of the brown citrus aphid, <i>Toxoptera citricida</i> . <i>Scientific Reports</i> , 2016, 6, 32099.	3.3	34
13	A Role of Corazonin Receptor in Larval-Pupal Transition and Pupariation in the Oriental Fruit Fly <i>Bactrocera dorsalis</i> (Hendel) (Diptera: Tephritidae). <i>Frontiers in Physiology</i> , 2017, 8, 77.	2.8	30
14	Functional characterization of five different PRXamide receptors of the red flour beetle <i>Tribolium castaneum</i> with peptidomimetics and identification of agonists and antagonists. <i>Peptides</i> , 2015, 68, 246-252.	2.4	28
15	The Ecdysis Triggering Hormone System, via ETH/ETHR-B, Is Essential for Successful Reproduction of a Major Pest Insect, <i>Bactrocera dorsalis</i> (Hendel). <i>Frontiers in Physiology</i> , 2019, 10, 151.	2.8	27
16	The short neuropeptide F modulates olfactory sensitivity of <i>Bactrocera dorsalis</i> upon starvation. <i>Journal of Insect Physiology</i> , 2017, 99, 78-85.	2.0	26
17	Genome-wide identification and expression profiling of odorant-binding proteins in the oriental fruit fly, <i>Bactrocera dorsalis</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2019, 31, 100605.	1.0	26
18	Odorant binding protein 2 reduces imidacloprid susceptibility of <i>Diaphorina citri</i> . <i>Pesticide Biochemistry and Physiology</i> , 2020, 168, 104642.	3.6	24

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19	CRISPR/Cas9 mutagenesis abolishes odorant-binding protein BdorOBP56f-2 and impairs the perception of methyl eugenol in <i>Bactrocera dorsalis</i> (Hendel). <i>Insect Biochemistry and Molecular Biology</i> , 2021, 139, 103656.	2.7	24
20	Role of a tachykinin-related peptide and its receptor in modulating the olfactory sensitivity in the oriental fruit fly, <i>Bactrocera dorsalis</i> (Hendel). <i>Insect Biochemistry and Molecular Biology</i> , 2017, 80, 71-78.	2.7	22
21	Genome-wide identification of ATP-binding cassette transporters and expression profiles in the Asian citrus psyllid, <i>Diaphorina citri</i> , exposed to imidacloprid. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2019, 30, 305-311.	1.0	22
22	Genome-wide identification of chitinase and chitin deacetylase gene families in the oriental fruit fly, <i>Bactrocera dorsalis</i> (Hendel). <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2018, 27, 13-22.	1.0	21
23	Molecular characterization of two novel deltamethrin-inducible P450 genes from <i>Liposcelis bostrychophila</i> Badonnel (Psocoptera: Liposcelididae). <i>Archives of Insect Biochemistry and Physiology</i> , 2010, 74, 17-37.	1.5	20
24	Diversity of Bacterial Communities in the Intestinal Tracts of Two Geographically Distant Populations of <i>Bactrocera dorsalis</i> (Diptera: Tephritidae). <i>Journal of Economic Entomology</i> , 2018, 111, 2861-2868.	1.8	20
25	An odorant-binding protein of Asian citrus psyllid, <i>Diaphorina citri</i> , participates in the response of host plant volatiles. <i>Pest Management Science</i> , 2021, 77, 3068-3079.	3.4	19
26	The <i>Tribolium castaneum</i> cell line TcA: a new tool kit for cell biology. <i>Scientific Reports</i> , 2014, 4, 6840.	3.3	18
27	Effects of a sublethal concentration of avermectin on the development and reproduction of citrus red mite, <i>Panonychus citri</i> (McGregor) (Acari: Tetranychidae). <i>International Journal of Acarology</i> , 2011, 37, 1-9.	0.7	17
28	Proteome analysis of male accessory gland secretions in oriental fruit flies reveals juvenile hormone-binding protein, suggesting impact on female reproduction. <i>Scientific Reports</i> , 2015, 5, 16845.	3.3	17
29	Phenotypic plasticity, trade-offs and gene expression changes accompanying dietary restriction and switches in <i>Bactrocera dorsalis</i> (Hendel) (Diptera: Tephritidae). <i>Scientific Reports</i> , 2017, 7, 1988.	3.3	16
30	Isolation functional characterization of allatotropin receptor from the cotton bollworm, <i>Helicoverpa armigera</i> . <i>Peptides</i> , 2019, 122, 169874.	2.4	16
31	Antimicrobial peptide gene cecropin-2 and defensin respond to peptidoglycan infection in the female adult of oriental fruit fly, <i>Bactrocera dorsalis</i> (Hendel). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2017, 206, 1-7.	1.6	15
32	The neuropeptides and protein hormones of the agricultural pest fruit fly <i>Bactrocera dorsalis</i> : What do we learn from the genome sequencing and tissue-specific transcriptomes?. <i>Peptides</i> , 2017, 98, 29-34.	2.4	15
33	CRISPR-mediated mutagenesis of the odorant receptor coreceptor (<i>Orcok</i>) gene disrupts olfaction-mediated behaviors in <i>Bactrocera dorsalis</i> . <i>Insect Science</i> , 2022, 29, 1275-1286.	3.0	15
34	Phenotypes, antioxidant responses, and gene expression changes accompanying a sugar-only diet in <i>Bactrocera dorsalis</i> (Hendel) (Diptera: Tephritidae). <i>BMC Evolutionary Biology</i> , 2017, 17, 194.	3.2	14
35	Corazonin Signaling Is Required in the Male for Sperm Transfer in the Oriental Fruit Fly <i>Bactrocera dorsalis</i> . <i>Frontiers in Physiology</i> , 2018, 9, 660.	2.8	12
36	The Transcription Factor MafB Regulates the Susceptibility of <i>Bactrocera dorsalis</i> to Abamectin via GSTz2. <i>Frontiers in Physiology</i> , 2019, 10, 1068.	2.8	12

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37	Molecular characterization of ecdysis triggering hormone and its receptor in citrus red mite (<i>Panonychus citri</i>). <i>Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology</i> , 2019, 230, 100-105.	1.8	12
38	Recent Advancements in Studies on Chemosensory Mechanisms Underlying Detection of Semiochemicals in Dacini Fruit Flies of Economic Importance (Diptera: Tephritidae). <i>Insects</i> , 2021, 12, 106.	2.2	12
39	Characterization of a $\hat{1}^2$ -Adrenergic-Like Octopamine Receptor in the Oriental Fruit Fly, <i>Bactrocera dorsalis</i> (Hendel). <i>International Journal of Molecular Sciences</i> , 2016, 17, 1577.	4.1	11
40	Comparative transcriptome analysis reveals differentially expressed genes in the Asian citrus psyllid (<i>Diaphorina citri</i>) upon heat shock. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2019, 30, 256-261.	1.0	11
41	Ligand selectivity in tachykinin and natalisin neuropeptidergic systems of the honey bee parasitic mite <i>Varroa destructor</i> . <i>Scientific Reports</i> , 2016, 6, 19547.	3.3	10
42	A Transcriptomic and Proteomic Analysis of the <i>Diaphorina citri</i> Salivary Glands Reveals Genes Responding to <i>Candidatus Liberibacter asiaticus</i> . <i>Frontiers in Physiology</i> , 2020, 11, 582505.	2.8	10
43	Temperature-Dependent Development and Reproduction of a Novel Stored Product Psocid, <i>Liposcelis badia</i> (Psocoptera: Liposcelididae). <i>Environmental Entomology</i> , 2008, 37, 1105-1112.	1.4	9
44	Transcription and Induction Profiles of Three Novel P450 Genes in <i>Liposcelis bostrychophila</i> (Psocoptera: Liposcelididae). <i>Journal of Economic Entomology</i> , 2012, 105, 560-572.	1.8	9
45	Determination of Instars of <i>Bactrocera dorsalis</i> (Diptera: Tephritidae). <i>Florida Entomologist</i> , 2017, 100, 270-275.	0.5	9
46	How Tyramine $\hat{1}^2$ -Hydroxylase Controls the Production of Octopamine, Modulating the Mobility of Beetles. <i>International Journal of Molecular Sciences</i> , 2018, 19, 846.	4.1	9
47	BdorOBP69a is involved in the perception of the phenylpropanoid compound methyl eugenol in oriental fruit fly (<i>Bactrocera dorsalis</i>) males. <i>Insect Biochemistry and Molecular Biology</i> , 2022, 147, 103801.	2.7	9
48	Characterization of an insect heterodimeric voltage-gated sodium channel with unique alternative splicing mode. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2017, 203, 149-158.	1.6	8
49	Function of the natalisin receptor in mating of the oriental fruit fly, <i>Bactrocera dorsalis</i> (Hendel) and testing of peptidomimetics. <i>PLoS ONE</i> , 2018, 13, e0193058.	2.5	8
50	The short neuropeptide F receptor regulates olfaction-mediated foraging behavior in the oriental fruit fly <i>Bactrocera dorsalis</i> (Hendel). <i>Insect Biochemistry and Molecular Biology</i> , 2022, 140, 103697.	2.7	8
51	Compressive Sensing Based Distributed Data Storage for Mobile Crowdsensing. <i>ACM Transactions on Sensor Networks</i> , 2022, 18, 1-21.	3.6	8
52	Functional characterization of two acetylcholinesterase genes in the brown citrus aphid, <i>Aphis</i> (<i>Aphis</i>) <i>Tj</i> ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 <i>Biochemistry and Physiology</i> , 2017, 138, 76-83.	3.6	7
53	Antimicrobial peptide gene <i>BdPho</i> responds to peptidoglycan infection and mating stimulation in oriental fruit fly, <i>Bactrocera dorsalis</i> (Hendel). <i>AMB Express</i> , 2018, 8, 5.	3.0	7
54	Knockdown of a $\hat{1}^2$ -Adrenergic-Like Octopamine Receptor Affects Locomotion and Reproduction of <i>Tribolium castaneum</i> . <i>International Journal of Molecular Sciences</i> , 2021, 22, 7252.	4.1	7

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55	Molecular Cloning and Sequence Analysis of a Novel P450 Gene Encoding CYP345D3 from the Red Flour Beetle, <i>Tribolium castaneum</i> . <i>Journal of Insect Science</i> , 2008, 8, 1-7.	1.5	6
56	Crustacean cardioactive peptide (CCAP) of the oriental fruit fly, <i>Bactrocera dorsalis</i> (Diptera): Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Peptides, 2019, 122, 169929.	2.4	6
57	Comparative transcriptomic analysis reveals female-biased olfactory genes potentially involved in plant volatile-mediated oviposition behavior of <i>Bactrocera dorsalis</i> . <i>BMC Genomics</i> , 2021, 22, 25.	2.8	6
58	Crustacean cardioactive peptide and its receptor modulate the ecdysis behavior in the pea aphid, <i>Acyrtosiphon pisum</i> . <i>Journal of Insect Physiology</i> , 2022, 137, 104364.	2.0	6
59	The adipokinetic hormone signaling system regulates the sensitivity of <i>Bactrocera dorsalis</i> to malathion. <i>Pesticide Biochemistry and Physiology</i> , 2021, 174, 104808.	3.6	5
60	The Influence of Temperature and Host Gender on Bacterial Communities in the Asian Citrus Psyllid. <i>Insects</i> , 2021, 12, 1054.	2.2	4