

# Hongyu Zhang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60  
papers

1,297  
citations

19  
h-index

33  
g-index

71  
ext. papers

1,958  
ext. citations

4.1  
avg. IF

4.82  
L-index

#	Paper	IF	Citations
60	Dietary Effects on Biological Parameters and Gut Microbiota of .. <i>Frontiers in Microbiology</i> , <b>2021</b> , 12, 818387	3.7	0
59	Gut fungal community and its probiotic effect on <i>Bactrocera dorsalis</i> .. <i>Insect Science</i> , <b>2021</b> ,	3.6	3
58	Isolation, fermentation, and formulation of entomopathogenic fungi virulent against adults of <i>Diaphorina citri</i> . <i>Pest Management Science</i> , <b>2021</b> , 77, 4040-4053	4.6	0
57	Isolation, characterization, culturing, and formulation of a new <i>Beauveria bassiana</i> fungus against <i>Diaphorina citri</i> . <i>Biological Control</i> , <b>2021</b> , 158, 104586	3.8	0
56	Regulatory mechanisms of microbial homeostasis in insect gut. <i>Insect Science</i> , <b>2021</b> , 28, 286-301	3.6	10
55	Early embryonic transcriptomes of <i>Zeugodacus tau</i> provide insight into sex determination and differentiation genes. <i>Insect Science</i> , <b>2021</b> ,	3.6	2
54	miRNA-1-3p is an early embryonic male sex-determining factor in the Oriental fruit fly <i>Bactrocera dorsalis</i> . <i>Nature Communications</i> , <b>2020</b> , 11, 932	17.4	15
53	Tephritidae fruit fly gut microbiome diversity, function and potential for applications. <i>Bulletin of Entomological Research</i> , <b>2020</b> , 110, 423-437	1.7	15
52	RNA Interference-Based Silencing of the Gene for Reproductive and Developmental Disruptions in. <i>Insects</i> , <b>2020</b> , 11,	2.8	1
51	A Shift Pattern of Bacterial Communities Across the Life Stages of the Citrus Red Mite,. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 1620	5.7	2
50	Comparative genomics of <i>Klebsiella michiganensis</i> BD177 and related members of <i>Klebsiella</i> sp. reveal the symbiotic relationship with <i>Bactrocera dorsalis</i> . <i>BMC Genetics</i> , <b>2020</b> , 21, 138	2.6	2
49	Gut microbiota promotes host resistance to low-temperature stress by stimulating its arginine and proline metabolism pathway in adult <i>Bactrocera dorsalis</i> . <i>PLoS Pathogens</i> , <b>2020</b> , 16, e1008441	7.6	29
48	16S rRNA Gene Sequencing Reveals a Shift in the Microbiota of During the Psyllid Life Cycle. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 1948	5.7	17
47	RNAi-Mediated Knockdown of and Genes Impair Male Fertility in. <i>Insects</i> , <b>2019</b> , 10,	2.8	8
46	Identification of COP9 Signalosome Subunit Genes in s and Functional Analysis of in Female Fecundity. <i>Frontiers in Physiology</i> , <b>2019</b> , 10, 162	4.6	3
45	Similar Shift Patterns in Gut Bacterial and Fungal Communities Across the Life Stages of Larvae From Two Field Populations. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 2262	5.7	14
44	Predation and functional response of the multi-coloured Asian ladybeetle <i>Harmonia axyridis</i> on the adult Asian citrus psyllid <i>Diaphorina citri</i> . <i>Biocontrol Science and Technology</i> , <b>2019</b> , 29, 293-307	1.7	4

43	Clustered regularly interspaced short palindromic repeats (CRISPR)/CRISPR-associated 9-mediated mutagenesis of the multiple edematous wings gene induces muscle weakness and flightlessness in <i>Bactrocera dorsalis</i> (Diptera: Tephritidae). <i>Insect Molecular Biology</i> , <b>2019</b> , 28, 222-234	3.4	7
42	Identification and expression profiles of novel odorant binding proteins and functional analysis of OBP99a in <i>Bactrocera dorsalis</i> . <i>Archives of Insect Biochemistry and Physiology</i> , <b>2018</b> , 98, e21452	2.3	13
41	Population genetic structure of <i>Diaphorina citri</i> Kuwayama (Hemiptera: Liviidae): host-driven genetic differentiation in China. <i>Scientific Reports</i> , <b>2018</b> , 8, 1473	4.9	8
40	Cultivable anaerobic and aerobic bacterial communities in the fermentation chambers of <i>Holotrichia parallela</i> (coleoptera: scarabaeidae) larvae. <i>PLoS ONE</i> , <b>2018</b> , 13, e0190663	3.7	4
39	Complete genome sequence of Y-1-1 reveals the genetic basis for its hemicellulosic/cellulosic substrate-inducible xylanase and cellulase activities. <i>3 Biotech</i> , <b>2018</b> , 8, 465	2.8	10
38	Intestinal probiotics restore the ecological fitness decline of by irradiation. <i>Evolutionary Applications</i> , <b>2018</b> , 11, 1946-1963	4.8	25
37	Blue light-induced immunosuppression in <i>Bactrocera dorsalis</i> adults, as a carryover effect of larval exposure. <i>Bulletin of Entomological Research</i> , <b>2017</b> , 107, 734-741	1.7	6
36	The toxicity of flonicamid to cotton leafhopper, <i>Amrasca biguttula</i> (Ishida), is by disruption of ingestion: an electropenetrography study. <i>Pest Management Science</i> , <b>2017</b> , 73, 1661-1669	4.6	11
35	The inducible blockage of RNAi reveals a role for polyunsaturated fatty acids in the regulation of dsRNA-endocytic capacity in <i>Bactrocera dorsalis</i> . <i>Scientific Reports</i> , <b>2017</b> , 7, 5584	4.9	10
34	Biofunctional analysis of Vitellogenin and Vitellogenin receptor in citrus red mites, <i>Panonychus citri</i> by RNA interference. <i>Scientific Reports</i> , <b>2017</b> , 7, 16123	4.9	10
33	A genetically enhanced sterile insect technique against the fruit fly, <i>Bactrocera dorsalis</i> (Hendel) by feeding adult double-stranded RNAs. <i>Scientific Reports</i> , <b>2017</b> , 7, 4063	4.9	21
32	The PLA2 gene mediates the humoral immune responses in <i>Bactrocera dorsalis</i> (Hendel). <i>Developmental and Comparative Immunology</i> , <b>2017</b> , 67, 293-299	3.2	11
31	The dual oxidase gene BdDuox regulates the intestinal bacterial community homeostasis of <i>Bactrocera dorsalis</i> . <i>ISME Journal</i> , <b>2016</b> , 10, 1037-50	11.9	50
30	Identification, characterization and target gene analysis of testicular microRNAs in the oriental fruit fly <i>Bactrocera dorsalis</i> . <i>Insect Molecular Biology</i> , <b>2016</b> , 25, 32-43	3.4	14
29	The noa gene is functionally linked to the activation of the Toll/Imd signaling pathways in <i>Bactrocera dorsalis</i> (Hendel). <i>Developmental and Comparative Immunology</i> , <b>2016</b> , 55, 233-40	3.2	15
28	Identification and Characterization of Sex-Biased MicroRNAs in <i>Bactrocera dorsalis</i> (Hendel). <i>PLoS ONE</i> , <b>2016</b> , 11, e0159591	3.7	12
27	miR-8-3p regulates mitoferrin in the testes of <i>Bactrocera dorsalis</i> to ensure normal spermatogenesis. <i>Scientific Reports</i> , <b>2016</b> , 6, 22565	4.9	12
26	RNA sequencing to characterize transcriptional changes of sexual maturation and mating in the female oriental fruit fly <i>Bactrocera dorsalis</i> . <i>BMC Genomics</i> , <b>2016</b> , 17, 194	4.5	12

25	Endocytic pathway mediates refractoriness of insect <i>Bactrocera dorsalis</i> to RNA interference. <i>Scientific Reports</i> , <b>2015</b> , 5, 8700	4.9	37
24	Influence of the silencing sex-peptide receptor on <i>Bactrocera dorsalis</i> adults and offspring by feeding with ds-spr. <i>Journal of Asia-Pacific Entomology</i> , <b>2015</b> , 18, 477-481	1.4	10
23	The role of the transformer gene in sex determination and reproduction in the tephritid fruit fly, <i>Bactrocera dorsalis</i> (Hendel). <i>Genetica</i> , <b>2015</b> , 143, 717-27	1.5	23
22	The Effect of Ultraviolet-A Radiation Exposure on the Reproductive Ability, Longevity, and Development of the <i>Dialeurodes citri</i> (Homoptera: Aleyrodidae) F1 Generation. <i>Environmental Entomology</i> , <b>2015</b> , 44, 1614-8	2.1	13
21	High Genetic Diversity of Microbial Cellulase and Hemicellulase Genes in the Hindgut of <i>Holotrichia parallela</i> Larvae. <i>International Journal of Molecular Sciences</i> , <b>2015</b> , 16, 16545-59	6.3	12
20	The effects of RNA interference targeting <i>Bactrocera dorsalis</i> ds-Bdrpl19 on the gene expression of rpl19 in non-target insects. <i>Ecotoxicology</i> , <b>2015</b> , 24, 595-603	2.9	17
19	Functional and Numerical Responses of Three Species of Predatory Phytoseiid Mites (Acari: Phytoseiidae) to <i>Thrips flavidulus</i> (Thysanoptera: Thripidae). <i>Neotropical Entomology</i> , <b>2014</b> , 43, 437-45	1.2	10
18	Intraguild predation among the predatory mites <i>Amblyseius eharai</i> , <i>Amblyseius cucumeris</i> and <i>Amblyseius barkeri</i> . <i>Biocontrol Science and Technology</i> , <b>2014</b> , 24, 103-115	1.7	5
17	Discovery and characterization of endo-xylanase and $\beta$ -xylosidase from a highly xylanolytic bacterium in the hindgut of <i>Holotrichia parallela</i> larvae. <i>Journal of Molecular Catalysis B: Enzymatic</i> , <b>2014</b> , 105, 33-40		17
16	Identification of cultivable bacteria in the intestinal tract of <i>Bactrocera dorsalis</i> from three different populations and determination of their attractive potential. <i>Pest Management Science</i> , <b>2014</b> , 70, 80-7	4.6	53
15	Bacterial communities in the gut and reproductive organs of <i>Bactrocera minax</i> (Diptera: Tephritidae) based on 454 pyrosequencing. <i>PLoS ONE</i> , <b>2014</b> , 9, e106988	3.7	50
14	De novo assembly and transcriptome analysis of the Mediterranean fruit fly <i>Ceratitidis capitata</i> early embryos. <i>PLoS ONE</i> , <b>2014</b> , 9, e114191	3.7	13
13	Isolation and characterization of <i>Aschersonia placenta</i> from citrus orchards and its pathogenicity towards <i>Dialeurodes citri</i> (Ashmead). <i>Journal of Invertebrate Pathology</i> , <b>2013</b> , 112, 122-8	2.6	12
12	The impact of environmental heterogeneity and life stage on the hindgut microbiota of <i>Holotrichia parallela</i> larvae (Coleoptera: Scarabaeidae). <i>PLoS ONE</i> , <b>2013</b> , 8, e57169	3.7	31
11	Identification and expression profile analysis of odorant binding proteins in the oriental fruit fly <i>Bactrocera dorsalis</i> . <i>International Journal of Molecular Sciences</i> , <b>2013</b> , 14, 14936-49	6.3	47
10	Morphology and ultrastructure of the hindgut fermentation chamber of a melolonthine beetle <i>Holotrichia parallela</i> (Coleoptera: Scarabaeidae) during larval development. <i>Micron</i> , <b>2012</b> , 43, 638-42	2.3	9
9	Odorant receptor co-receptor Orco is upregulated by methyl eugenol in male <i>Bactrocera dorsalis</i> (Diptera: Tephritidae). <i>Journal of Insect Physiology</i> , <b>2012</b> , 58, 1122-7	2.4	48
8	Isolation and identification of cellulolytic bacteria from the gut of <i>Holotrichia parallela</i> larvae (Coleoptera: Scarabaeidae). <i>International Journal of Molecular Sciences</i> , <b>2012</b> , 13, 2563-77	6.3	135

7	Isolation, screening, and optimization of the fermentation conditions of highly cellulolytic bacteria from the hindgut of <i>Holotrichia parallela</i> larvae (Coleoptera: Scarabaeidae). <i>Applied Biochemistry and Biotechnology</i> , <b>2012</b> , 167, 270-84	3.2	22
6	Low diversity bacterial community and the trapping activity of metabolites from cultivable bacteria species in the female reproductive system of the Oriental fruit fly, <i>Bactrocera dorsalis</i> Hendel (Diptera: Tephritidae). <i>International Journal of Molecular Sciences</i> , <b>2012</b> , 13, 6266-78	6.3	47
5	High-throughput sequencing to reveal genes involved in reproduction and development in <i>Bactrocera dorsalis</i> (Diptera: Tephritidae). <i>PLoS ONE</i> , <b>2012</b> , 7, e36463	3.7	50
4	Comparison of the diversity of the bacterial communities in the intestinal tract of adult <i>Bactrocera dorsalis</i> from three different populations. <i>Journal of Applied Microbiology</i> , <b>2011</b> , 110, 1390-401	4.7	77
3	RNA interference of four genes in adult <i>Bactrocera dorsalis</i> by feeding their dsRNAs. <i>PLoS ONE</i> , <b>2011</b> , 6, e17788	3.7	115
2	Autochthonous bacterial flora indicated by PCR-DGGE of 16S rRNA gene fragments from the alimentary tract of <i>Costelytra zealandica</i> (Coleoptera: Scarabaeidae). <i>Journal of Applied Microbiology</i> , <b>2008</b> , 105, 1277-85	4.7	48
1	Characterization and partial purification of proteinases from the highly alkaline midgut of the humivorous larvae of <i>Pachnoda ephippiata</i> (Coleoptera: Scarabaeidae). <i>Soil Biology and Biochemistry</i> , <b>2004</b> , 36, 435-442	7.5	20