

Zhaojiang Guo

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Fused: a promising molecular target for an RNAi-based strategy to manage Bt resistance in <i>Plutella xylostella</i> (L.). <i>Journal of Pest Science</i> , 2022, 95, 101-114.	3.7	14
2	Frequencies and mechanisms of pesticide resistance in <i>Tetranychus urticae</i> field populations in China. <i>Insect Science</i> , 2022, 29, 827-839.	3.0	22
3	Silencing of the <i>BtTPS</i> genes by transgenic plant-mediated RNAi to control <i>Bemisia tabaci</i> MED. <i>Pest Management Science</i> , 2022, 78, 1128-1137.	3.4	11
4	MAPK-mediated transcription factor GATAd contributes to Cry1Ac resistance in diamondback moth by reducing PxmALP expression. <i>PLoS Genetics</i> , 2022, 18, e1010037.	3.5	23
5	MAP4K4 controlled transcription factor POUM1 regulates PxABCG1 expression influencing Cry1Ac resistance in <i>Plutella xylostella</i> (L.). <i>Pesticide Biochemistry and Physiology</i> , 2022, 182, 105053.	3.6	11
6	A versatile contribution of both aminopeptidases N and ABC transporters to Bt Cry1Ac toxicity in the diamondback moth. <i>BMC Biology</i> , 2022, 20, 33.	3.8	26
7	Transcriptome profiling and functional analysis suggest that the constitutive overexpression of four cytochrome P450s confers resistance to abamectin in <i>Tetranychus urticae</i> from China. <i>Pest Management Science</i> , 2021, 77, 1204-1213.	3.4	22
8	Antimicrobial peptides are not involved in <i>Plutella xylostella</i> resistance to Cry1Ac. <i>Journal of Applied Entomology</i> , 2021, 145, 358-368.	1.8	0
9	Annual analysis of field-evolved insecticide resistance in <i>Bemisia tabaci</i> across China. <i>Pest Management Science</i> , 2021, 77, 2990-3001.	3.4	24
10	Whitefly hijacks a plant detoxification gene that neutralizes plant toxins. <i>Cell</i> , 2021, 184, 1693-1705.e17.	28.9	161
11	Molecular characterization of a novel partitivirus and a fusarivirus coinfecting the fungus <i>Nigrospora sphaerica</i> . <i>Archives of Virology</i> , 2021, 166, 2325-2331.	2.1	2
12	Epitranscriptomic regulation of insecticide resistance. <i>Science Advances</i> , 2021, 7, .	10.3	34
13	MAPK-Activated Transcription Factor PxJun Suppresses <i>PxABCB1</i> Expression and Confers Resistance to <i>Bacillus thuringiensis</i> Cry1Ac Toxin in <i>Plutella xylostella</i> (L.). <i>Applied and Environmental Microbiology</i> , 2021, 87, e0046621.	3.1	16
14	A cis-Acting Mutation in the <i>PxABCG1</i> Promoter Is Associated with Cry1Ac Resistance in <i>Plutella xylostella</i> (L.). <i>International Journal of Molecular Sciences</i> , 2021, 22, 6106.	4.1	11
15	Ca ²⁺ signal contributing to jasmonic acid-induced direct and indirect defense against the whitefly <i>Bemisia tabaci</i> in tomato plants. <i>Entomologia Experimentalis Et Applicata</i> , 2021, 169, 848-858.	1.4	1
16	The Thermoperiod Alters Boper Gene Expression and Thereby Regulates the Eclosion Rhythm of <i>Bradysia odoriphaga</i> (Diptera: Sciaridae). <i>Environmental Entomology</i> , 2021, 50, 1241-1247.	1.4	1
17	The regulation landscape of MAPK signaling cascade for thwarting <i>Bacillus thuringiensis</i> infection in an insect host. <i>PLoS Pathogens</i> , 2021, 17, e1009917.	4.7	37
18	Reduced expression of the P-glycoprotein gene <i>PxABCB1</i> is linked to resistance to <i>Bacillus thuringiensis</i> Cry1Ac toxin in <i>Plutella xylostella</i> (L.). <i>Pest Management Science</i> , 2020, 76, 712-720.	3.4	35

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19	Analysis of the antennal transcriptome and odorant-binding protein expression profiles of the parasitoid wasp <i>Encarsia formosa</i> . <i>Genomics</i> , 2020, 112, 2291-2301.	2.9	20
20	Comprehensive analysis of Cry1Ac protoxin activation mediated by midgut proteases in susceptible and resistant <i>Plutella xylostella</i> (L.). <i>Pesticide Biochemistry and Physiology</i> , 2020, 163, 23-30.	3.6	17
21	MAPK-dependent hormonal signaling plasticity contributes to overcoming <i>Bacillus thuringiensis</i> toxin action in an insect host. <i>Nature Communications</i> , 2020, 11, 3003.	12.8	78
22	Reduced Expression of a Novel Midgut Trypsin Gene Involved in Protoxin Activation Correlates with Cry1Ac Resistance in a Laboratory-Selected Strain of <i>Plutella xylostella</i> (L.). <i>Toxins</i> , 2020, 12, 76.	3.4	19
23	MAPK-directed activation of the whitefly transcription factor <i>CREB</i> leads to P450-mediated imidacloprid resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 10246-10253.	7.1	135
24	Two Deoxythymidine Triphosphate Synthesis-Related Genes Regulate Obligate Symbiont Density and Reproduction in the Whitefly <i>Bemisia tabaci</i> MED. <i>Frontiers in Physiology</i> , 2020, 11, 574749.	2.8	3
25	Characterization of immune-related PGRP gene expression and phenoloxidase activity in Cry1Ac-susceptible and -resistant <i>Plutella xylostella</i> (L.). <i>Pesticide Biochemistry and Physiology</i> , 2019, 160, 79-86.	3.6	11
26	Genome-Wide Analysis of Carboxylesterases (COEs) in the Whitefly, <i>Bemisia tabaci</i> (Gennadius). <i>International Journal of Molecular Sciences</i> , 2019, 20, 4973.	4.1	13
27	CRISPR/Cas9-mediated knockout of both the <i>PxABCC2</i> and <i>PxABCC3</i> genes confers high-level resistance to <i>Bacillus thuringiensis</i> Cry1Ac toxin in the diamondback moth, <i>Plutella xylostella</i> (L.). <i>Insect Biochemistry and Molecular Biology</i> , 2019, 107, 31-38.	2.7	82
28	Insect Transcription Factors: A Landscape of Their Structures and Biological Functions in <i>Drosophila</i> and beyond. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3691.	4.1	37
29	Effects of Heat Shock on the <i>Bradysia odoriphaga</i> (Diptera: Sciaridae). <i>Journal of Economic Entomology</i> , 2017, 110, 1630-1638.	1.8	24
30	Genome-Wide Characterization and Expression Profiling of Sugar Transporter Family in the Whitefly, <i>Bemisia tabaci</i> (Gennadius) (Hemiptera: Aleyrodidae). <i>Frontiers in Physiology</i> , 2017, 8, 322.	2.8	15
31	Progress and Prospects of CRISPR/Cas Systems in Insects and Other Arthropods. <i>Frontiers in Physiology</i> , 2017, 8, 608.	2.8	126
32	Genome-wide Identification and Expression Analysis of Amino Acid Transporters in the Whitefly, <i>Bemisia tabaci</i> (Gennadius). <i>International Journal of Biological Sciences</i> , 2017, 13, 735-747.	6.4	11
33	Lack of fitness costs and inheritance of resistance to <i>Bacillus thuringiensis</i> Cry1Ac toxin in a near-isogenic strain of <i>Plutella xylostella</i> (Lepidoptera: Plutellidae). <i>Pest Management Science</i> , 2016, 72, 289-297.	3.4	31
34	Proteomics-based identification of midgut proteins correlated with Cry1Ac resistance in <i>Plutella xylostella</i> (L.). <i>Pesticide Biochemistry and Physiology</i> , 2016, 132, 108-117.	3.6	27
35	Tissue-specific Proteogenomic Analysis of <i>Plutella xylostella</i> Larval Midgut Using a Multialgorithm Pipeline. <i>Molecular and Cellular Proteomics</i> , 2016, 15, 1791-1807.	3.8	19
36	The novel ABC transporter ABCH1 is a potential target for RNAi-based insect pest control and resistance management. <i>Scientific Reports</i> , 2015, 5, 13728.	3.3	64

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37	Construction and characterisation of near-isogenic <i>Plutella xylostella</i> (Lepidoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	3.4	36
38	Down-regulation of a novel ABC transporter gene (Pxwhite) is associated with Cry1Ac resistance in the diamondback moth, <i>Plutella xylostella</i> (L.). <i>Insect Biochemistry and Molecular Biology</i> , 2015, 59, 30-40.	2.7	97
39	The midgut cadherin-like gene is not associated with resistance to <i>Bacillus thuringiensis</i> toxin Cry1Ac in <i>Plutella xylostella</i> (L.). <i>Journal of Invertebrate Pathology</i> , 2015, 126, 21-30.	3.2	34
40	MAPK Signaling Pathway Alters Expression of Midgut ALP and ABCC Genes and Causes Resistance to <i>Bacillus thuringiensis</i> Cry1Ac Toxin in Diamondback Moth. <i>PLoS Genetics</i> , 2015, 11, e1005124.	3.5	178
41	Midgut transcriptome response to a Cry toxin in the diamondback moth, <i>Plutella xylostella</i> (Lepidoptera: Plutellidae). <i>Gene</i> , 2014, 533, 180-187.	2.2	82
42	Tissue-Specific Transcriptome Profiling of <i>Plutella Xylostella</i> Third Instar Larval Midgut. <i>International Journal of Biological Sciences</i> , 2012, 8, 1142-1155.	6.4	52
43	Expression of cadherin, aminopeptidase N and alkaline phosphatase genes in Cry1Ac-susceptible and Cry1Ac-resistant strains of <i>Plutella xylostella</i> (L.). <i>Journal of Applied Entomology</i> , 2012, 136, 539-548.	1.8	14