# Zhen-Ying Wang

List of Publications by Year
in descending order



| 109 | 2,239 | 218677 | 302126 |
|---|---|---|---|
| papers | citations | 26 h-index | 39 g-index |

| 113 | 113 | 113 | 1746 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mass rearing and release of Trichogramma for biological control of insect pests of corn in China. Biological Control, 2014, 68, 136-144. | 3.0 | 160 |
| 2 | Initial detections and spread of invasive Spodoptera frugiperda in China and comparisons with other noctuid larvae in cornfields using molecular techniques. Insect Science, 2020, 27, 780-790. | 3.0 | 121 |
| 3 | Nine facultative endosymbionts in aphids. A review. Journal of Asia-Pacific Entomology, 2017, 20, 794-801. | 0.9 | 82 |
| 4 | Evaluation of Transgenic Bt Corn for Resistance to the Asian Corn Borer (Lepidoptera: Pyralidae). Journal of Economic Entomology, 2003, 96, 935-940. | 1.8 | 66 |
| 5 | The Asian corn borer Ostrinia furnacalis feeding increases the direct and indirect defence of midâ€whorl stage commercial maize in the field. Plant Biotechnology Journal, 2019, 17, 88-102. | 8.3 | 58 |
| 6 | Comparison of larval performance and oviposition preference of Spodoptera frugiperda among three host plants: Potential risks to potato and tobacco crops. Insect Science, 2021, 28, 602-610. | 3.0 | 52 |
| 7 | Graphene oxide as a multifunctional synergist of insecticides against lepidopteran insect. Environmental Science: Nano, 2019, 6, 75-84. | 4.3 | 51 |
| 8 | Identification of differentially expressed microRNAs between Bacillus thuringiensis Cry1Ab-resistant and -susceptible strains of Ostrinia furnacalis. Scientific Reports, 2015, 5, 15461. | 3.3 | 50 |
| 9 | â€˜Becoming a species by becoming a pestâ€™ or how two maize pests of the genus Ostrinia possibly evolved through parallel ecological speciation events. Molecular Ecology, 2014, 23, 325-342. | 3.9 | 46 |
| 10 | Graphene oxide as a pesticide delivery vector for enhancing acaricidal activity against spider mites. Colloids and Surfaces B: Biointerfaces, 2019, 173, 632-638. | 5.0 | 46 |
| 11 | Inheritance Patterns, Dominance and Cross-Resistance of Cry1Ab- and Cry1Ac-Selected Ostrinia furnacalis (GuenÃ©e). Toxins, 2014, 6, 2694-2707. | 3.4 | 45 |
| 12 | Prospects for microbial control of the fall armyworm Spodoptera frugiperda: a review. BioControl, 2020, 65, 647-662. | 2.0 | 45 |
| 13 | The Present and Future Role of Insect-Resistant Genetically Modified Maize in IPM. , 2008, , 119-158. | | 45 |
| 14 | Down-regulation of aminopeptidase N and ABC transporter subfamily G transcripts in Cry1Ab and Cry1Ac resistant Asian corn borer, Ostrinia furnacalis (Lepidoptera: Crambidae). International Journal of Biological Sciences, 2017, 13, 835-851. | 6.4 | 43 |
| 15 | Transcriptome differences between Cry1Ab resistant and susceptible strains of Asian corn borer. BMC Genomics, 2015, 16, 173. | 2.8 | 42 |
| 16 | Aphid fecundity and defenses in wheat exposed to a combination of heat and drought stress. Journal of Experimental Botany, 2020, 71, 2713-2722. | 4.8 | 38 |
| 17 | Morphology and ultrastructure of antennal sensilla of Macrocentrus cingulum Brischke (Hymenoptera: Braconidae) and their probable functions. Micron, 2013, 50, 35-43. | 2.2 | 37 |
| 18 | A proteomic approach to study the mechanism of tolerance to Bt toxins in Ostrinia furnacalis larvae selected for resistance to Cry1Ab. Transgenic Research, 2013, 22, 1155-1166. | 2.4 | 34 |

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|---|---|---|---|
| 19 | De novo transcriptome and expression profile analyses of the Asian corn borer (Ostrinia furnacalis) reveals relevant flubendiamide response genes. BMC Genomics, 2017, 18, 20. | 2.8 | 33 |
| 20 | Male- and Female-Biased Gene Expression of Olfactory-Related Genes in the Antennae of Asian Corn Borer, Ostrinia furnacalis (GuenÃ©e) (Lepidoptera: Crambidae). PLoS ONE, 2015, 10, e0128550. | 2.5 | 33 |
| 21 | Downregulation and Mutation of a Cadherin Gene Associated with Cry1Ac Resistance in the Asian Corn Borer, Ostrinia furnacalis (GuenÃ©e). Toxins, 2014, 6, 2676-2693. | 3.4 | 32 |
| 22 | Identification of putative chemosensory receptor genes from yellow peach moth Conogethes punctiferalis (GuenÃ©e) antennae transcriptome. Scientific Reports, 2016, 6, 32636. | 3.3 | 32 |
| 23 | Characterization of the Cry1Ah resistance in Asian corn Borer and its cross-resistance to other Bacillus thuringiensis toxins. Scientific Reports, 2018, 8, 234. | 3.3 | 31 |
| 24 | Effects of Elevated CO2 and Increased N Fertilization on Plant Secondary Metabolites and Chewing Insect Fitness. Frontiers in Plant Science, 2019, 10, 739. | 3.6 | 31 |
| 25 | Field trials to evaluate the effects of transgenic cry1Ie maize on the community characteristics of arthropod natural enemies. Scientific Reports, 2016, 6, 22102. | 3.3 | 30 |
| 26 | Genetic Basis of Cry1F-Resistance in a Laboratory Selected Asian Corn Borer Strain and Its Cross-Resistance to Other Bacillus thuringiensis Toxins. PLoS ONE, 2016, 11, e0161189. | 2.5 | 28 |
| 27 | Physiological Responses Induced by Ostrinia furnacalis (Lepidoptera: Crambidae) Feeding in Maize and Their Effects on O. furnacalis Performance. Journal of Economic Entomology, 2017, 110, 739-747. | 1.8 | 28 |
| 28 | Managing the Invasive Fall Armyworm through Biotech Crops: A Chinese Perspective. Trends in Biotechnology, 2021, 39, 105-107. | 9.3 | 28 |
| 29 | Changes in Life History Parameters of <I>Rhopalosiphum maidis</I> (Homoptera: Aphididae) Under Four Different Elevated Temperature and CO<SUB>2</SUB> Combinations. Journal of Economic Entomology, 2014, 107, 1411-1418. | 1.8 | 27 |
| 30 | Binding affinity of five PBPs to Ostrinia sex pheromones. BMC Molecular Biology, 2017, 18, 4. | 3.0 | 27 |
| 31 | Synergistic Effect of Beauveria bassiana and Trichoderma asperellum to Induce Maize (Zea mays L.) Defense against the Asian Corn Borer, Ostrinia furnacalis (Lepidoptera, Crambidae) and Larval Immune Response. International Journal of Molecular Sciences, 2020, 21, 8215. | 4.1 | 27 |
| 32 | Insecticidal Activity and Synergistic Combinations of Ten Different Bt Toxins against Mythimna separata (Walker). Toxins, 2018, 10, 454. | 3.4 | 26 |
| 33 | Î²-1,3-Glucan recognition protein 3 activates the prophenoloxidase system in response to bacterial infection in Ostrinia furnacalis GuenÃ©e. Developmental and Comparative Immunology, 2018, 79, 31-43. | 2.3 | 25 |
| 34 | Detection and geographic distribution of seven facultative endosymbionts in two Rhopalosiphum aphid species. MicrobiologyOpen, 2019, 8, e00817. | 3.0 | 23 |
| 35 | Three Amino Acid Residues Bind Corn Odorants to McinOBP1 in the Polyembryonic Endoparasitoid of Macrocentrus cingulum Brischke. PLoS ONE, 2014, 9, e93501. | 2.5 | 22 |
| 36 | Seasonal and geographical variation in diapause and cold hardiness of the Asian corn borer, Ostrinia furnacalis. Insect Science, 2015, 22, 578-586. | 3.0 | 21 |

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|---|---|---|---|
| 37 | Identification of Putative Chemosensory Receptor Genes from the Athetis dissimilis Antennal Transcriptome. PLoS ONE, 2016, 11, e0147768. | 2.5 | 21 |
| 38 | Transcriptome Comparison Analysis of Ostrinia furnacalis in Four Developmental Stages. Scientific Reports, 2016, 6, 35008. | 3.3 | 21 |
| 39 | Molecular characterization and volatile binding properties of pheromone binding proteins and general odorant binding proteins in Conogethes pinicolalis (Lepidoptera: Crambidae). International Journal of Biological Macromolecules, 2020, 146, 263-272. | 7.5 | 21 |
| 40 | The Genetic Structure of Asian Corn Borer, Ostrinia furnacalis, Populations in China: Haplotype Variance in Northern Populations and Potential Impact on Management of Resistance to Transgenic Maize. Journal of Heredity, 2014, 105, 642-655. | 2.4 | 20 |
| 41 | Gene set of chemosensory receptors in the polyembryonic endoparasitoid Macrocentrus cingulum. Scientific Reports, 2016, 6, 24078. | 3.3 | 20 |
| 42 | Sense organs on the ovipositor of Macrocentrus cingulum Brischke (Hymenoptera: Braconidae): their probable role in stinging, oviposition and host selection process. Journal of Asia-Pacific Entomology, 2013, 16, 343-348. | 0.9 | 19 |
| 43 | A field experiment with elevated atmospheric CO2-mediated changes to C4 crop-herbivore interactions. Scientific Reports, 2015, 5, 13923. | 3.3 | 19 |
| 44 | Evaluation of Bt Corn with Pyramided Genes on Efficacy and Insect Resistance Management for the Asian Corn Borer in China. PLoS ONE, 2016, 11, e0168442. | 2.5 | 18 |
| 45 | Evaluation of Transgenic Bt Corn for Resistance to the Asian Corn Borer (Lepidoptera: Pyralidae). Journal of Economic Entomology, 2003, 96, 935-940. | 1.8 | 18 |
| 46 | Molecular cloning, expression profile, odorant affinity, and stability of two odorantâ€binding proteins in Macrocentrus cingulum Brischke (Hymenoptera: Braconidae). Archives of Insect Biochemistry and Physiology, 2017, 94, e21374. | 1.5 | 17 |
| 47 | Introgression between divergent corn borer species in a region of sympatry: Implications on the evolution and adaptation of pest arthropods. Molecular Ecology, 2017, 26, 6892-6907. | 3.9 | 17 |
| 48 | Transcriptome and Proteome Alternation With Resistance to Bacillus thuringiensis Cry1Ah Toxin in Ostrinia furnacalis. Frontiers in Physiology, 2019, 10, 27. | 2.8 | 16 |
| 49 | Sublethal Effects of the Microbial-Derived Insecticide Spinetoram on the Growth and Fecundity of the Fall Armyworm (Lepidoptera: Noctuidae). Journal of Economic Entomology, 2021, 114, 1582-1587. | 1.8 | 16 |
| 50 | Genome-Wide Analysis of WRKY Gene Family and the Dynamic Responses of Key WRKY Genes Involved in Ostrinia furnacalis Attack in Zea mays. International Journal of Molecular Sciences, 2021, 22, 13045. | 4.1 | 16 |
| 51 | Effects of photoperiod and temperature on diapause induction in Conogethes punctiferalis (Lepidoptera: Pyralidae). Insect Science, 2014, 21, 556-563. | 3.0 | 15 |
| 52 | Quantitative Trait Loci for Asian Corn Borer Resistance in Maize Population Mc37 Ã— Zi330. Agricultural Sciences in China, 2010, 9, 77-84. | 0.6 | 14 |
| 53 | Direct Effects of Elevated CO<sub>2</sub>Levels on the Fitness Performance of Asian Corn Borer (Lepidoptera: Crambidae) for Multigenerations. Environmental Entomology, 2015, 44, 1250-1257. | 1.4 | 14 |
| 54 | C-terminus Methionene Specifically Involved in Binding Corn Odorants to Odorant Binding Protein4 in Macrocentrus cingulum. Frontiers in Physiology, 2017, 8, 62. | 2.8 | 14 |

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|---|---|---|---|
| 55 | Contribution of phenoloxidase activation mechanism to Bt insecticidal protein resistance in Asian corn borer. International Journal of Biological Macromolecules, 2020, 153, 88-99. | 7.5 | 14 |
| 56 | Sexual-biased gene expression of olfactory-related genes in the antennae of Conogethes pinicolalis (Lepidoptera: Crambidae). BMC Genomics, 2020, 21, 244. | 2.8 | 12 |
| 57 | Identification and expression pattern analysis of chemosensory receptor genes in the Macrocentrus cingulum (Hymenoptera: Braconidae) antennae. European Journal of Entomology, 0, 113, 76-83. | 1.2 | 12 |
| 58 | Genetic knockout and general odorant-binding/chemosensory protein interactions: Revealing the function and importance of GOBP2 in the yellow peach moth's olfactory system. International Journal of Biological Macromolecules, 2021, 193, 1659-1668. | 7.5 | 12 |
| 59 | Myco-Synergism Boosts Herbivory-Induced Maize Defense by Triggering Antioxidants and Phytohormone Signaling. Frontiers in Plant Science, 2022, 13, 790504. | 3.6 | 12 |
| 60 | Does Bt maize expressing Cry1Ac protein have adverse effects on the parasitoid Macrocentrus cingulum (Hymenoptera: Braconidae)?. Insect Science, 2017, 24, 599-612. | 3.0 | 11 |
| 61 | Binding Specificity of Two PBPs in the Yellow Peach Moth Conogethes punctiferalis (GuenÃ©e). Frontiers in Physiology, 2018, 9, 308. | 2.8 | 11 |
| 62 | Evolution of Asian Corn Borer Resistance to Bt Toxins Used Singly or in Pairs. Toxins, 2019, 11, 461. | 3.4 | 11 |
| 63 | Effects of Host Plants Reared under Elevated CO2 Concentrations on the Foraging Behavior of Different Stages of Corn Leaf Aphids Rhopalosiphum maidis. Insects, 2019, 10, 182. | 2.2 | 11 |
| 64 | Identification of Cry1Ah-binding proteins through pull down and gene expression analysis in Cry1Ah-resistant and susceptible strains of Ostrinia furnacalis. Pesticide Biochemistry and Physiology, 2020, 163, 200-208. | 3.6 | 11 |
| 65 | Wolbachia Infection in Populations of Ostrinia furnacalis: Diversity, Prevalence, Phylogeny and Evidence for Horizontal Transmission. Journal of Integrative Agriculture, 2013, 12, 283-295. | 3.5 | 10 |
| 66 | Molecular Taxonomy of Conogethes punctiferalis and Conogethes pinicolalis (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 307 T<br>1982-1989. | 3.5 | 10 |
| 67 | Effects of transgenic cry1Ie maize on non-lepidopteran pest abundance, diversity and community composition. Transgenic Research, 2016, 25, 761-772. | 2.4 | 10 |
| 68 | Identification of an alkaline phosphatase as a putative Cry1Ac binding protein in Ostrinia furnacalis (GuenÃ©e). Pesticide Biochemistry and Physiology, 2016, 131, 80-86. | 3.6 | 9 |
| 69 | Effects of Wolbachia on mitochondrial DNA variation in populations of Athetis lepigone (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Ov<br>826-834. | 0.7 | 9 |
| 70 | GOBP1 Plays a Key Role in Sex Pheromones and Plant Volatiles Recognition in Yellow Peach Moth, Conogethes punctiferalis (Lepidoptera: Crambidae). Insects, 2019, 10, 302. | 2.2 | 9 |
| 71 | Insecticidal Activity of 11 Bt toxins and 3 Transgenic Maize Events Expressing Vip3Aa19 to Black Cutworm, Agrotis ipsilon (Hufnagel). Insects, 2020, 11, 208. | 2.2 | 9 |
| 72 | Broadcasting of tiny granules by drone to mimic liquid spraying for the control of fall armyworm () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 3.4 | 9 |

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|---|---|---|---|
| 73 | Analysis of genetic diversity among different geographic populations of Athetis lepigone using ISSR molecular markers. Journal of Asia-Pacific Entomology, 2014, 17, 793-798. | 0.9 | 8 |
| 74 | Characterization of four midgut aminopeptidase N isozymes from Ostrinia furnacalis strains with different susceptibilities to Bacillus thuringiensis. Journal of Invertebrate Pathology, 2014, 115, 95-98. | 3.2 | 8 |
| 75 | Characterization of Asian Corn Borer Resistance to Bt Toxin Cry1Ie. Toxins, 2017, 9, 186. | 3.4 | 8 |
| 76 | Differential wing polyphenism adaptation across life stages under extreme high temperatures in corn leaf aphid. Scientific Reports, 2019, 9, 8744. | 3.3 | 8 |
| 77 | Reduction of Plant Suitability for Corn Leaf Aphid (Hemiptera: Aphididae) Under Elevated Carbon Dioxide Condition. Environmental Entomology, 2019, 48, 935-944. | 1.4 | 8 |
| 78 | Olfactory Response of Trichogramma ostriniae (Hymenoptera: Trichogrammatidae) to Volatiles Emitted by Mungbean Plants. Agricultural Sciences in China, 2011, 10, 560-565. | 0.6 | 7 |
| 79 | Maize diversity for fall armyworm resistance in a warming world. Crop Science, 2022, 62, 1-19. | 1.8 | 7 |
| 80 | Impact of Temperature on the Growth and Development ofAthetis dissimilis(Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4 | 1.8 | 6 |
| 81 | Molecular identification and functional analysis of Niemann-Pick type C2 protein in Macrocentrus cingulum Brischke (Hymenoptera: Braconidae). Journal of Asia-Pacific Entomology, 2021, 24, 7-14. | 0.9 | 6 |
| 82 | Selection of the Most Effective Trichogramma Strains (Hymenoptera: Trichogrammatidae) From Myanmar to Control Asian Corn Borer, Ostrinia furnacalis (Lepidoptera: Crambidae). Journal of Economic Entomology, 2022, 115, 81-92. | 1.8 | 6 |
| 83 | Phenotypic responses and potential genetic mechanism of lepidopteran insects under exposure to graphene oxide. Ecotoxicology and Environmental Safety, 2021, 228, 113008. | 6.0 | 6 |
| 84 | Effects of host plants on the fitness of <scp>A</scp>thetis lepigone (MÃ¶schler). Journal of Applied Entomology, 2015, 139, 478-485. | 1.8 | 5 |
| 85 | Analysis of Cry1Ah Toxin-Binding Reliability to Midgut Membrane Proteins of the Asian Corn Borer. Toxins, 2020, 12, 418. | 3.4 | 5 |
| 86 | Toxicity of Cry1-Class, Cry2Aa, and Vip3Aa19 Bt proteins and their interactions against yellow peach Moth, Conogethes punctiferalis (GuenÃ©e) (Lepidoptera: Crambidae). Journal of Invertebrate Pathology, 2021, 178, 107507. | 3.2 | 5 |
| 87 | Voltine Ecotypes of the Asian Corn Borer and Their Response to Climate Warming. Insects, 2021, 12, 232. | 2.2 | 5 |
| 88 | Effects of brief exposure to high temperatures on the survival and fecundity of Athetis lepigone (Lepidoptera: Noctuidae). Journal of Thermal Biology, 2021, 100, 103066. | 2.5 | 5 |
| 89 | Molecular and Morphological Identification of Trichogramma (Hymenoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 10 Economic Entomology, 2021, 114, 40-49. | 1.8 | 5 |
| 90 | Asian corn borer damage is affected by rind penetration strength of corn stalks in a spatiotemporally dependent manner. Plant Direct, 2022, 6, e381. | 1.9 | 5 |

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|---|---|---|---|
| 91 | Baseline Susceptibility and Resistance Allele Frequency in Ostrinia furnacalis in Relation to Cry1Ab Toxins in China. Toxins, 2022, 14, 255. | 3.4 | 5 |
| 92 | Molecular and Functional Characterization of Peptidoglycan Recognition Proteins OfPGRP-A and OfPGRP-B in Ostrinia furnacalis (Lepidoptera: Crambidae). Insects, 2022, 13, 417. | 2.2 | 5 |
| 93 | Differential thermal tolerance across life stages under extreme high temperatures crossed with feeding status in corn leaf aphid. Ecological Entomology, 2021, 46, 533-540. | 2.2 | 4 |
| 94 | Knockout of ABC Transporter ABCG4 Gene Confers Resistance to Cry1 Proteins in Ostrinia furnacalis. Toxins, 2022, 14, 52. | 3.4 | 4 |
| 95 | Olfactory co-receptor identification and expression pattern analysis in polyembryonic endoparasitoid Macrocentrus cingulum. Journal of Asia-Pacific Entomology, 2015, 18, 719-725. | 0.9 | 3 |
| 96 | Effects of yellow peach moth Conogethes punctiferalis egg age on parasitism and oviposition behaviour of four indigenous Trichogramma strains in China. Biocontrol Science and Technology, 2021, 31, 739-753. | 1.3 | 3 |
| 97 | Baseline Susceptibility and Laboratory Selection of Resistance to Bt Cry1Ab Protein of Chinese Populations of Yellow Peach Moth, Conogethes punctiferalis (GuenÃ©e). Toxins, 2021, 13, 335. | 3.4 | 3 |
| 98 | Influence of voltine ecotype and geographic distance on genetic and haplotype variation in the Asian corn borer. Ecology and Evolution, 2021, 11, 10244-10257. | 1.9 | 3 |
| 99 | Ovipositional preference of Trichogramma dendrolimi and Trichogramma ostriniae strains from Myanmar on different host egg ages of Asian corn borer, Ostrinia furnacalis (Lepidoptera: Crambidae). Biocontrol Science and Technology, 2022, 32, 700-714. | 1.3 | 3 |
| 100 | Inheritance and Fitness Costs of Vip3Aa19 Resistance in Mythimna separata. Toxins, 2022, 14, 388. | 3.4 | 3 |
| 101 | EXPRESSION PATTERNS OF THE GLYCOGEN PHOSPHORYLASE GENE RELATED TO LARVAL DIAPAUSE IN Ostrinia furnacalis. Archives of Insect Biochemistry and Physiology, 2016, 91, 210-220. | 1.5 | 2 |
| 102 | PBP genes regulated by the development of the ovaries, sex pheromone release, mating and oviposition behavior in Conogethes punctiferalis (GuenÃ©e). Chemoecology, 2021, 31, 1-9. | 1.1 | 2 |
| 103 | Artificial diet development for mass rearing and its effect on the reproduction of yellow peach moth, Conogethes punctiferalis (GuenÃ©e). Entomological Research, 2021, 51, 127-132. | 1.1 | 2 |
| 104 | Research Progress of Conogethes punctiferalis (Lepidoptera: Crambidae) in China. , 2018, , 45-66. | | 2 |
| 105 | Host plant adaptability and proteomic differences of diverse Rhopalosiphum maidis (Fitch) lineages. Archives of Insect Biochemistry and Physiology, 2021, 109, e21853. | 1.5 | 2 |
| 106 | Synergistic interaction of Cry1Ah and Vip3Aa19 proteins combination with midgut ATP-binding cassette subfamily C receptors of Conogethes punctiferalis (GuenÃ©e) (Lepidoptera: Crambidae). International Journal of Biological Macromolecules, 2022, 213, 871-879. | 7.5 | 2 |
| 107 | Special issue highlighting research presented at the 25th <scp>IWGO</scp> Conference, Chicago 2014. Journal of Applied Entomology, 2015, 139, 401-402. | 1.8 | 1 |
| 108 | Comparative Transcriptome Analysis of Bt Resistant and Susceptible Strains in Ostrinia furnacalis (GuenÃ©e) (Lepidoptera: Crambidae). Agriculture (Switzerland), 2022, 12, 298. | 3.1 | 1 |

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|---|---|---|---|
| 109 | Revealing the difference of Î±-amylase and CYP6AE76 gene between polyphagous Conogethes punctiferalis and oligophagous C. pinicolalis by multiple-omics and molecular biological technique. BMC Genomics, 2022, 23, . | 2.8 | 1 |