

Ya-Nan Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,718
citations

304743

22
h-index

289244

40
g-index

49
all docs

49
docs citations

49
times ranked

872
citing authors

#	ARTICLE	IF	CITATIONS
1	Antenna-predominant and male-biased CSP19 of <i>Sesamia inferens</i> is able to bind the female sex pheromones and host plant volatiles. <i>Gene</i> , 2014, 536, 279-286.	2.2	156
2	Distinct Expression Profiles and Different Functions of Odorant Binding Proteins in <i>Nilaparvata lugens</i> Stål. <i>PLoS ONE</i> , 2011, 6, e28921.	2.5	151
3	Differential Expression Patterns in Chemosensory and Non-Chemosensory Tissues of Putative Chemosensory Genes Identified by Transcriptome Analysis of Insect Pest the Purple Stem Borer <i>Sesamia inferens</i> (Walker). <i>PLoS ONE</i> , 2013, 8, e69715.	2.5	120
4	Candidate chemosensory genes identified in <i>Colaphellus bowringi</i> by antennal transcriptome analysis. <i>BMC Genomics</i> , 2015, 16, 1028.	2.8	90
5	Antennal Transcriptome Analysis of Odorant Reception Genes in the Red Turpentine Beetle (RTB), <i>Dendroctonus valens</i> . <i>PLoS ONE</i> , 2015, 10, e0125159.	2.5	81
6	Analysis of the Antennal Transcriptome and Insights into Olfactory Genes in <i>Hyphantria cunea</i> (Drury). <i>PLoS ONE</i> , 2016, 11, e0164729.	2.5	70
7	Large number of putative chemoreception and pheromone biosynthesis genes revealed by analyzing transcriptome from ovipositor-pheromone glands of <i>Chilo suppressalis</i> . <i>Scientific Reports</i> , 2015, 5, 7888.	3.3	69
8	Molecular characterization and evolution of a chemosensory receptor gene family in three notorious rice planthoppers, <i>Nilaparvata lugens</i> , <i>Sogatella furcifera</i> and <i>Laodelphax striatellus</i> , based on genome and transcriptome analyses. <i>Pest Management Science</i> , 2018, 74, 2156-2167.	3.4	54
9	Putative Pathway of Sex Pheromone Biosynthesis and Degradation by Expression Patterns of Genes Identified from Female Pheromone Gland and Adult Antenna of <i>Sesamia inferens</i> (Walker). <i>Journal of Chemical Ecology</i> , 2014, 40, 439-451.	1.8	52
10	Different roles suggested by sex-biased expression and pheromone binding affinity among three pheromone binding proteins in the pink rice borer, <i>Sesamia inferens</i> (Walker) (Lepidoptera: Noctuidae). <i>Journal of Insect Physiology</i> , 2014, 66, 71-79.	2.0	51
11	Different binding properties of two general-odorant binding proteins in <i>Athetis lepigone</i> with sex pheromones, host plant volatiles and insecticides. <i>Pesticide Biochemistry and Physiology</i> , 2020, 164, 173-182.	3.6	50
12	The Mouthparts Enriched Odorant Binding Protein 11 of the Alfalfa Plant Bug <i>Adelphocoris lineolatus</i> Displays a Preferential Binding Behavior to Host Plant Secondary Metabolites. <i>Frontiers in Physiology</i> , 2016, 7, 201.	2.8	49
13	Identification and Expression Profiles of Sex Pheromone Biosynthesis and Transport Related Genes in <i>Spodoptera litura</i> . <i>PLoS ONE</i> , 2015, 10, e0140019.	2.5	46
14	FUNCTIONAL CHARACTERIZATION OF AN ANTENNAL ESTERASE FROM THE NOCTUID MOTH, <i>Spodoptera exigua</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2014, 86, 85-99.	1.5	44
15	An antenna-biased carboxylesterase is specifically active to plant volatiles in <i>Spodoptera exigua</i> . <i>Pesticide Biochemistry and Physiology</i> , 2015, 123, 93-100.	3.6	43
16	Molecular identification and expression patterns of odorant binding protein and chemosensory protein genes in <i>Athetis lepigone</i> (Lepidoptera: Noctuidae). <i>PeerJ</i> , 2017, 5, e3157.	2.0	37
17	Identification and tissue expression profile of genes from three chemoreceptor families in an urban pest, <i>Periplaneta americana</i> . <i>Scientific Reports</i> , 2016, 6, 27495.	3.3	32
18	Reproductive switching analysis of <i>Daphnia similoides</i> between sexual female and parthenogenetic female by transcriptome comparison. <i>Scientific Reports</i> , 2016, 6, 34241.	3.3	31

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19	Organophosphorus insecticide interacts with the pheromone-binding proteins of <i>Athetis lepigone</i> : Implication for olfactory dysfunction. <i>Journal of Hazardous Materials</i> , 2020, 397, 122777.	12.4	30
20	Multi-Functional Desaturases in Two Spodoptera Moths with Δ^{11} and Δ^{12} Desaturation Activities. <i>Journal of Chemical Ecology</i> , 2019, 45, 378-387.	1.8	27
21	Identification and Expression Patterns of <i>Anoplophora chinensis</i> (Forster) Chemosensory Receptor Genes from the Antennal Transcriptome. <i>Frontiers in Physiology</i> , 2018, 9, 90.	2.8	25
22	Ligand-binding properties of odorant-binding protein 6 in <i>Athetis lepigone</i> to sex pheromones and maize volatiles. <i>Pest Management Science</i> , 2022, 78, 52-62.	3.4	25
23	The polysaccharide isolated from <i>Pleurotus nebrodensis</i> (PN-S) shows immune-stimulating activity in RAW264.7 macrophages. <i>Chinese Journal of Natural Medicines</i> , 2015, 13, 355-360.	1.3	24
24	Molecular identification of differential expression genes associated with sex pheromone biosynthesis in <i>Spodoptera exigua</i> . <i>Molecular Genetics and Genomics</i> , 2017, 292, 795-809.	2.1	21
25	Molecular Characterization and Differential Expression of an Olfactory Receptor Gene Family in the White-Backed Planthopper <i>Sogatella furcifera</i> Based on Transcriptome Analysis. <i>PLoS ONE</i> , 2015, 10, e0140605.	2.5	21
26	Characterization of candidate odorant-binding proteins and chemosensory proteins in the tea geometrid <i>Ectropis obliqua</i> Prout (Lepidoptera: Geometridae). <i>Archives of Insect Biochemistry and Physiology</i> , 2017, 94, e21383.	1.5	20
27	De novo assembly and characterization of antennal transcriptome reveal chemosensory system in <i>Nysius ericae</i> . <i>Journal of Asia-Pacific Entomology</i> , 2016, 19, 1077-1087.	0.9	19
28	Functional characterization of four sex pheromone receptors in the newly discovered maize pest <i>Athetis lepigone</i> . <i>Journal of Insect Physiology</i> , 2019, 113, 59-66.	2.0	19
29	Molecular identification and expression patterns of carboxylesterase genes based on transcriptome analysis of the common cutworm, <i>Spodoptera litura</i> (Lepidoptera: Noctuidae). <i>Journal of Asia-Pacific Entomology</i> , 2016, 19, 989-994.	0.9	18
30	Molecular identification and sex distribution of two chemosensory receptor families in <i>Athetis lepigone</i> by antennal transcriptome analysis. <i>Journal of Asia-Pacific Entomology</i> , 2016, 19, 571-580.	0.9	18
31	Identification and expression patterns of UDP-glycosyltransferase (UGT) genes from insect pest <i>Athetis lepigone</i> (Lepidoptera: Noctuidae). <i>Journal of Asia-Pacific Entomology</i> , 2017, 20, 253-259.	0.9	18
32	Identification of Chemosensory Genes Based on the Transcriptomic Analysis of Six Different Chemosensory Organs in <i>Spodoptera exigua</i> . <i>Frontiers in Physiology</i> , 2018, 9, 432.	2.8	18
33	Computational and Experimental Approaches to Decipher the Binding Mechanism of General Odorant-Binding Protein 2 from <i>Athetis lepigone</i> to Chlorpyrifos and Phoxim. <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 88-100.	5.2	18
34	Molecular and Functional Characterization of Three Odorant-Binding Protein from <i>Periplaneta americana</i> . <i>PLoS ONE</i> , 2017, 12, e0170072.	2.5	17
35	Key Amino Acid Residues Influencing Binding Affinities of Pheromone-Binding Protein from <i>Athetis lepigone</i> to Two Sex Pheromones. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 6092-6103.	5.2	17
36	Deep sequencing of antennal transcriptome from <i>Callosobruchus chinensis</i> to characterize odorant binding protein and chemosensory protein genes. <i>Journal of Stored Products Research</i> , 2017, 74, 13-21.	2.6	16

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37	Chemosensory Gene Families in the Oligophagous Pear Pest <i>Cacopsylla chinensis</i> (Hemiptera: Psyllidae). <i>Insects</i> , 2019, 10, 175.	2.2	16
38	Chemosensory genes in the head of <i>Spodoptera litura</i> larvae. <i>Bulletin of Entomological Research</i> , 2021, 111, 454-463.	1.0	16
39	CASTING: A Potent Supramolecular Strategy to Cytosolically Deliver STING Agonist for Cancer Immunotherapy and SARS-CoV-2 Vaccination. <i>CCS Chemistry</i> , 2023, 5, 885-901.	7.8	16
40	Functional Disparity of Three Pheromone-Binding Proteins to Different Sex Pheromone Components in <i>Hyphantria cunea</i> (Drury). <i>Journal of Agricultural and Food Chemistry</i> , 2021, 69, 55-66.	5.2	15
41	Molecular Characterization and Sex Distribution of Chemosensory Receptor Gene Family Based on Transcriptome Analysis of <i>Scaeva pyrastris</i> . <i>PLoS ONE</i> , 2016, 11, e0155323.	2.5	14
42	Boric acid was orally toxic to different instars of <i>Blattella germanica</i> (L.) (Blattodea: Blattellidae) and caused dysbiosis of the, gut microbiota. <i>Pesticide Biochemistry and Physiology</i> , 2021, 172, 104756.	3.6	11
43	A Δ^9 desaturase (SlitDes11) is associated with the biosynthesis of ester sex pheromone components in <i>Spodoptera litura</i> . <i>Pesticide Biochemistry and Physiology</i> , 2019, 156, 152-159.	3.6	10
44	Identification and tissue distribution of carboxylesterase (CXE) genes in <i>Athetis lepigone</i> (Lepidoptera: Tortricidae). <i>Journal of Insect Science and Technology</i> , 2022, 10, 10.	0.9	0
45	Analysis of chemosensory genes in <i>Semiothisa cinerearia</i> reveals sex-specific contributions for type-II sex pheromone chemosensation. <i>Genomics</i> , 2020, 112, 3846-3855.	2.9	6
46	AlepPBP2, but not AlepPBP3, may involve in the recognition of sex pheromones and maize volatiles in <i>Athetis lepigone</i> . <i>Bulletin of Entomological Research</i> , 2022, 112, 536-545.	1.0	4
47	Identification and dynamic expression profiling of circadian clock genes in <i>Spodoptera litura</i> provide new insights into the regulation of sex pheromone communication. <i>Bulletin of Entomological Research</i> , 2022, 112, 78-90.	1.0	3
48	Editorial: Insect Olfactory Proteins (From Gene Identification to Functional Characterization), Volume II. <i>Frontiers in Physiology</i> , 2022, 13, 858728.	2.8	3