

Man-Qun Wang

List of Publications by Year in descending order

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78
papers

2,275
citations

270111

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78
docs citations

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times ranked

1520
citing authors

#	ARTICLE	IF	CITATIONS
1	Appraisal of MsepCSP14 for chemosensory functions in <i>Mythimna separata</i> . <i>Insect Science</i> , 2022, 29, 162-176.	1.5	9
2	BarH1 regulates odorant-binding proteins expression and olfactory perception of <i>Monochamus alternatus</i> Hope. <i>Insect Biochemistry and Molecular Biology</i> , 2022, 140, 103677.	1.2	5
3	Volatiles and hormones mediated root-knot nematode induced wheat defense response to foliar herbivore aphid. <i>Science of the Total Environment</i> , 2022, 815, 152840.	3.9	3
4	Molecular and in vitro biochemical assessment of chemosensory protein 10 from brown planthopper <i>Nilaparvata lugens</i> at acidic pH. <i>Journal of Integrative Agriculture</i> , 2022, 21, 781-796.	1.7	4
5	Silencing of an odorant binding protein (SaveOBP10) involved in the behavioural shift of the wheat aphid <i>Sitobion avenae</i> (Fabricius). <i>Insect Molecular Biology</i> , 2022, 31, 568-584.	1.0	5
6	The Toxicity of <i>Eichhornia crassipes</i> Fractionated Extracts against <i>Aphis craccivora</i> and Its Safety in Albino Rats. <i>Toxins</i> , 2022, 14, 327.	1.5	4
7	Structure-based design, synthesis, and biological evaluation of novel piperine-resveratrol hybrids as antiproliferative agents targeting SIRT-2. <i>RSC Advances</i> , 2021, 11, 25738-25751.	1.7	7
8	Heavy Metals and Pesticides Toxicity in Agricultural Soil and Plants: Ecological Risks and Human Health Implications. <i>Toxics</i> , 2021, 9, 42.	1.6	696
9	Discovery of behaviorally active semiochemicals in <i>Aenasius bambawalei</i> using a reverse chemical ecology approach. <i>Pest Management Science</i> , 2021, 77, 2843-2853.	1.7	5
10	A Salivary Odorant-Binding Protein Mediates <i>Nilaparvata lugens</i> Feeding and Host Plant Phytohormone Suppression. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4988.	1.8	16
11	Phytopathogenic infection alters rice-pest-parasitoid tri-trophic interactions. <i>Pest Management Science</i> , 2021, 77, 4530-4538.	1.7	2
12	Construction, petro-collecting/dispersing capacities, antimicrobial activity, and molecular docking study of new cationic surfactant-sulfonamide conjugates. <i>Journal of Molecular Liquids</i> , 2021, 334, 116068.	2.3	7
13	Tissue specificity of (E)- β^2 -farnesene and germacrene D accumulation in pyrethrum flowers. <i>Phytochemistry</i> , 2021, 187, 112768.	1.4	12
14	Cadmium exposure disrupts the olfactory sensitivity of fire ants to semiochemicals. <i>Environmental Pollution</i> , 2021, 287, 117359.	3.7	6
15	Design, Synthesis, Biological Evaluation, and Computational Studies of Novel Fluorinated Candidates as PI3K Inhibitors: Targeting Fluorophilic Binding Sites. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 17468-17485.	2.9	6
16	The role of chemosensory protein 10 in the detection of behaviorally active compounds in brown planthopper, <i>Nilaparvata lugens</i> . <i>Insect Science</i> , 2020, 27, 531-544.	1.5	22
17	The larvicidal activity of natural inspired piperine-based dienehydrazides against <i>Culex pipiens</i> . <i>Bioorganic Chemistry</i> , 2020, 94, 103464.	2.0	18
18	An Odorant Binding Protein (SaveOBP9) Involved in Chemoreception of the Wheat Aphid <i>Sitobion avenae</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 8331.	1.8	21

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19	Identifying the Biological Characteristics Associated with Oviposition Behavior of Tea Leafhopper <i>Empoasca onukii</i> Matsuda Using the Blue Light Detection Method. <i>Insects</i> , 2020, 11, 707.	1.0	6
20	Functional Analysis of Two Odorant-Binding Proteins, MaltOBP9 and MaltOBP10, in <i>Monochamus alternatus</i> Hope. <i>Frontiers in Physiology</i> , 2020, 11, 317.	1.3	5
21	The control of the brown planthopper by the rice Bph14 gene is affected by nitrogen. <i>Pest Management Science</i> , 2020, 76, 3649-3656.	1.7	8
22	Expression Profiles and Biochemical Analysis of Chemosensory Protein 3 from <i>Nilaparvata lugens</i> (Hemiptera: Delphacidae). <i>Journal of Chemical Ecology</i> , 2020, 46, 363-377.	0.9	14
23	SEM-based analysis of antennal sensilla of the parasitoid, <i>Encarsia formosa</i> Gahan (Hymenoptera: Tj ETQq1 1 0.784314 rgBT ₁ /Overlook	0.1	0
24	Molecular Screening of Behaviorally Active Compounds with CmedOBP14 from the Rice Leaf Folder <i>Cnaphalocrocis medinalis</i> . <i>Journal of Chemical Ecology</i> , 2019, 45, 849-857.	0.9	12
25	Defense of pyrethrum flowers: repelling herbivores and recruiting carnivores by producing aphid alarm pheromone. <i>New Phytologist</i> , 2019, 223, 1607-1620.	3.5	29
26	Rice defense responses are induced upon leaf rolling by an insect herbivore. <i>BMC Plant Biology</i> , 2019, 19, 514.	1.6	14
27	Chemosensory proteins used as target for screening behaviourally active compounds in the rice pest <i>Cnaphalocrocis medinalis</i> (Lepidoptera: Pyralidae). <i>Insect Molecular Biology</i> , 2019, 28, 123-135.	1.0	39
28	Functional characteristics of chemosensory proteins in the sawyer beetle <i>Monochamus alternatus</i> Hope. <i>Bulletin of Entomological Research</i> , 2019, 109, 34-42.	0.5	15
29	Optimization of reverse chemical ecology method: false positive binding of <i>Aenasius bambawalei</i> odorant binding protein 1 caused by uncertain binding mechanism. <i>Insect Molecular Biology</i> , 2018, 27, 305-318.	1.0	30
30	Antennal transcriptome and odorant binding protein expression profiles of an invasive mealybug and its parasitoid. <i>Journal of Applied Entomology</i> , 2018, 142, 149-161.	0.8	19
31	Screening behaviorally active compounds based on fluorescence quenching in combination with binding mechanism analyses of SspOBP7, an odorant binding protein from <i>Sclerodermus</i> sp.. <i>International Journal of Biological Macromolecules</i> , 2018, 107, 2667-2678.	3.6	34
32	A chemosensory protein MsepCSP5 involved in chemoreception of oriental armyworm <i>Mythimna separata</i> . <i>International Journal of Biological Sciences</i> , 2018, 14, 1935-1949.	2.6	14
33	Deciphering the Odorant Binding, Activation, and Discrimination Mechanism of Dhelobp21 from <i>Dastarus Helophoroides</i> . <i>Scientific Reports</i> , 2018, 8, 13506.	1.6	3
34	Three chemosensory proteins from the rice leaf folder <i>Cnaphalocrocis medinalis</i> involved in host volatile and sex pheromone reception. <i>Insect Molecular Biology</i> , 2018, 27, 710-723.	1.0	28
35	Silencing of Chemosensory Protein Gene NlugCSP8 by RNAi Induces Declining Behavioral Responses of <i>Nilaparvata lugens</i> . <i>Frontiers in Physiology</i> , 2018, 9, 379.	1.3	42
36	Functional Analysis of the Chemosensory Protein MsepCSP8 From the Oriental Armyworm <i>Mythimna separata</i> . <i>Frontiers in Physiology</i> , 2018, 9, 872.	1.3	38

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37	Expression pattern and ligand-binding properties of odorant-binding protein 13 from <i>Monochamus alternatus</i> . <i>Journal of Applied Entomology</i> , 2017, 141, 751-757.	0.8	24
38	De novo analysis of the oriental armyworm <i>Mythimna separata</i> antennal transcriptome and expression patterns of odorant-binding proteins. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2017, 22, 120-130.	0.4	32
39	Structural Transformation Detection Contributes to Screening of Behaviorally Active Compounds: Dynamic Binding Process Analysis of DhelOBP21 from <i>Dastarcus helophoroides</i> . <i>Journal of Chemical Ecology</i> , 2017, 43, 1033-1045.	0.9	27
40	Transgenic expression of Bt in rice does not affect feeding behavior and population density of the brown planthopper, <i>Nilaparvata lugens</i> Stål (Hemiptera: Delphacidae). <i>Entomologia Generalis</i> , 2017, 37, 35-45.	1.1	9
41	Ant tending impairs performance of <i>Aenasius bambawalei</i> by manipulating the honeydew composition produced by <i>Ptenacoccus solenopsis</i> . <i>Journal of Applied Entomology</i> , 2016, 140, 268-276.	0.8	4
42	Temporal interactions of plant - insect - predator after infection of bacterial pathogen on rice plants. <i>Scientific Reports</i> , 2016, 6, 26043.	1.6	36
43	Predicted structure of a Minus-C OBP from <i>Batocera horsfieldi</i> (Hope) suggests an intermediate structure in evolution of OBPs. <i>Scientific Reports</i> , 2016, 6, 33981.	1.6	41
44	Identification of chemosensory gene families in <i>Rhyzopertha dominica</i> (Coleoptera: Bostrichidae). <i>Canadian Entomologist</i> , 2016, 148, 8-21.	0.4	26
45	Interactions of two odorant-binding proteins influence insect chemoreception. <i>Insect Molecular Biology</i> , 2016, 25, 712-723.	1.0	44
46	Functional characterization of a pheromone-binding protein from rice leaffolder <i>Cnaphalocrocis medinalis</i> in detecting pheromones and host plant volatiles. <i>Bulletin of Entomological Research</i> , 2016, 106, 781-789.	0.5	18
47	Morphology and ultrastructure of the antennal sensilla of <i>Sitophilus granarius</i> (Coleoptera: Tj ETQq1 1 0.784314 rgBT /Overl	0.5	5
48	Fungal DNA virus infects a mycophagous insect and utilizes it as a transmission vector. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 12803-12808.	3.3	143
49	Identification and field verification of sex pheromone from the mirid bug, <i>Adelphocoris suturalis</i> . <i>Chemoecology</i> , 2016, 26, 25-31.	0.6	11
50	Effects of the invasive plant <i>Eupatorium adenophorum</i> on the exotic mealybug <i>Ptenacoccus solenopsis</i> (Hemiptera: Pseudococcidae) and their natural enemies. <i>Agricultural and Forest Entomology</i> , 2015, 17, 389-399.	0.7	11
51	Structure-Based Analysis of the Ligand-Binding Mechanism for DhelOBP21, a C-minus Odorant Binding Protein, from <i>Dastarcus helophoroides</i> (Fairmaire; Coleoptera: Bothriideridae). <i>International Journal of Biological Sciences</i> , 2015, 11, 1281-1295.	2.6	40
52	A cDNA library from the antenna of <i>Monochamus alternatus</i> Hope and binding properties of odorant-binding proteins. <i>Journal of Applied Entomology</i> , 2015, 139, 229-236.	0.8	32
53	Analysis of an antennal cDNA library and the expression patterns of two olfactory genes in <i>Frankliniella occidentalis</i> (Thysanoptera: Thripidae). <i>Applied Entomology and Zoology</i> , 2015, 50, 109-116.	0.6	3
54	Expression profile and ligand-binding characterization of odorant-binding protein 2 from <i>Batocera horsfieldi</i> (Hemiptera: Delphacidae). <i>Journal of Applied Entomology</i> , 2015, 139, 361-369.	0.8	6

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55	Transgenic cry1Ca2 gene rough rice line TIC-19 does not change the host preferences of the non-target stored product pest, <i>Rhyzopertha dominica</i> (Fabricius) (Coleoptera: Bostrichidae), and its parasitoid wasp, <i>Anisopteromalus calandrae</i> (Howard) (Hymenoptera: Pteromalidae). <i>Ecotoxicology and Environmental Safety</i> , 2015, 120, 449-456.	2.9	6
56	The effect of polyamines on the expression of olfactory related genes in the diamondback moth, <i>Plutella xylostella</i> (Lepidoptera: Yponomeutidae). <i>European Journal of Entomology</i> , 2015, 112, 27-34.	1.2	1
57	Analysis of antennal transcriptome and odorant binding protein expression profiles of the recently identified parasitoid wasp, <i>Sclerodermus</i> sp.. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2015, 16, 10-19.	0.4	37
58	Antennal Sensilla in the Parasitoid <i>Sclerodermus</i> sp. (Hymenoptera: Bethyridae). <i>Journal of Insect Science</i> , 2015, 15, 36-36.	0.6	13
59	Insight Into the Ultrastructure of Antennal Sensilla of <i>Mythimna separata</i> (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.8	40
60	Identification and Comparative Expression Profiles of Chemoreception Genes Revealed from Major Chemoreception Organs of the Rice Leaf Folder, <i>Cnaphalocrocis medinalis</i> (Lepidoptera: Pyralidae). <i>PLoS ONE</i> , 2015, 10, e0144267.	1.1	32
61	Electrophysiological responses of the rice leaffolder, <i>Cnaphalocrocis medinalis</i> , to rice plant volatiles. <i>Journal of Insect Science</i> , 2014, 14, 70.	0.6	19
62	Construction and analysis of cDNA libraries from the antennae of <i>Batocera horsfieldi</i> and expression pattern of putative odorant binding proteins. <i>Journal of Insect Science</i> , 2014, 14, 57.	0.6	43
63	Electrophysiological Responses of the Rice Leaffolder, <i>Cnaphalocrocis medinalis</i> , to Rice plant Volatiles. <i>Journal of Insect Science</i> , 2014, 14, 1-14.	0.6	3
64	De novo analysis of the <i>Nilaparvata lugens</i> (Stål) antenna transcriptome and expression patterns of olfactory genes. <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2014, 9, 31-39.	0.4	64
65	Analysis of chemosensory gene families in the beetle <i>Monochamus alternatus</i> and its parasitoid <i>Dastarcus helophoroides</i> . <i>Comparative Biochemistry and Physiology Part D: Genomics and Proteomics</i> , 2014, 11, 1-8.	0.4	75
66	Analysis of a cDNA library from the antenna of <i>Cnaphalocrocis medinalis</i> and the expression pattern of olfactory genes. <i>Biochemical and Biophysical Research Communications</i> , 2013, 433, 463-469.	1.0	27
67	Transgenic Bt Rice Does Not Challenge Host Preference of the Target Pest of Rice Leaffolder, <i>Cnaphalocrocis medinalis</i> (Lepidoptera: Pyralidae). <i>PLoS ONE</i> , 2013, 8, e79032.	1.1	24
68	Sexual differences in <i>Helicoverpa armigera</i> (Hubner) (Lepidoptera: Noctuidae) as influenced by photoperiod and temperature. <i>Oriental Insects</i> , 2012, 46, 191-198.	0.1	2
69	Chemosensory protein genes of <i>batocera horsfieldi</i> (hope): identification and expression pattern. <i>Journal of Applied Entomology</i> , 2012, 136, 781-792.	0.8	14
70	Ultrastructural observations on antennal sensilla of <i>Cnaphalocrocis medinalis</i> (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.2	57
71	Mating behavior and contact pheromones of <i>Batocera horsfieldi</i> (Hope) (Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.3	6
72	Effects of putrescine on diapause induction and intensity, and post-diapause development of <i>Helicoverpa armigera</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2010, 136, 199-205.	0.7	28

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73	Electrophysiological responses of <i>Batocera horsfieldi</i> (Hope) adults to plant volatiles. Journal of Applied Entomology, 2010, 134, 600-607.	0.8	12
74	Molecular Characterization and Expression Pattern of Two General Odorant Binding Proteins from the Diamondback Moth, <i>Plutella xylostella</i> . Journal of Chemical Ecology, 2009, 35, 1188-1196.	0.9	21
75	Molecular cloning and expression of pheromone-binding protein1 from the diamondback moth, <i>Plutella xylostella</i> . Entomologia Experimentalis Et Applicata, 2009, 133, 136-145.	0.7	23
76	Verhaltensmäßige und elektrophysiologische Antworten der Mottenart <i>Plutella xylostella</i> auf die Einwirkung von Polyaminen (Lepidoptera: Yponomeutidae). Entomologia Generalis, 2009, 32, 85-92.	1.1	3
77	Effects of polyamines and polyamine synthesis inhibitor on antennal electrophysiological responses of diamondback moths, <i>Plutella xylostella</i> . Entomologia Experimentalis Et Applicata, 2008, 129, 18-25.	0.7	11
78	The potential use of <i>Eichhornia crassipes</i> (Mart.) Solms against <i>Agrotis ipsilon</i> (Hufn.) (Lepidoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 International Journal of Tropical Insect Science, 0, , 1.	0.4	3