Man-Yeon Choi

List of Publications by Year
in descending order

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58	1,506	279798	345221
papers	citations	23 h-index	36 g-index

59	59	59	995
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Identification of a G protein-coupled receptor for pheromone biosynthesis activating neuropeptide from pheromone glands of the moth Helicoverpa zea. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9721-9726.	7.1	153
2	Drosophila suzukii (Diptera: Drosophilidae): A Decade of Research Towards a Sustainable Integrated Pest Management Program. Journal of Economic Entomology, 2021, 114, 1950-1974.	1.8	113
3	Isolation and identification of the cDNA encoding the pheromone biosynthesis activating neuropeptide and additional neuropeptides in the oriental tobacco budworm, Helicoverpa assulta (Lepidoptera: Noctuidae)1The cDNA sequence of this paper has been deposited in the GenBank data base (Accession No. U96761).1. Insect Biochemistry and Molecular Biology, 1998, 28, 759-766.	2.7	65
4	Pyrokinin/PBAN-like peptides in the central nervous system of Drosophila melanogaster. Cell and Tissue Research, 2001, 306, 459-465.	2.9	62
5	Isolation of a Pyrazine Alarm Pheromone Component from the Fire Ant, Solenopsis invicta. Journal of Chemical Ecology, 2010, 36, 163-170.	1.8	55
6	Sex pheromone biosynthetic pathway for disparlure in the gypsy moth, Lymantria dispar. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 809-814.	7.1	53
7	Neuropeptides predicted from the transcriptome analysis of the gray garden slug Deroceras reticulatum. Peptides, 2017, 93, 51-65.	2.4	50
8	Effect of non-nutritive sugars to decrease the survivorship of spotted wing drosophila, Drosophila suzukii. Journal of Insect Physiology, 2017, 99, 86-94.	2.0	45
9	Identification and characterization of the pyrokinin/pheromone biosynthesis activating neuropeptide family of G proteinâ€coupled receptors from <scp>O</scp>strinia nubilalis. Insect Molecular Biology, 2013, 22, 331-340.	2.0	44
10	Phenotypic impacts of PBAN RNA interference in an ant, Solenopsis invicta, and a moth, Helicoverpa zea. Journal of Insect Physiology, 2012, 58, 1159-1165.	2.0	42
11	Spatial distribution and differential expression of the PBAN receptor in tissues of adult Helicoverpa spp. (Lepidoptera: Noctuidae). Insect Molecular Biology, 2007, 16, 287-293.	2.0	41
12	Microbial-Based Double-Stranded RNA Production to Develop Cost-Effective RNA Interference Application for Insect Pest Management. International Journal of Insect Science, 2019, 11, 117954331984032.	1.7	39
13	Role of extracellular domains in PBAN/pyrokinin GPCRs from insects using chimera receptors. Insect Biochemistry and Molecular Biology, 2007, 37, 296-306.	2.7	36
14	Effect of erythritol formulation on the mortality, fecundity and physiological excretion in Drosophila suzukii. Journal of Insect Physiology, 2017, 101, 178-184.	2.0	36
15	Identification of a new member of PBAN family and immunoreactivity in the central nervous system from Adoxophyes sp. (Lepidoptera: Tortricidae). Insect Biochemistry and Molecular Biology, 2004, 34, 927-935.	2.7	35
16	Pheromone biosynthetic pathways in the moths Helicoverpa zea and Helicoverpa assulta. Insect Biochemistry and Molecular Biology, 2002, 32, 1353-1359.	2.7	34
17	Successful transmission of Solenopsis invicta virus 3 to Solenopsis invicta fire ant colonies in oil, sugar, and cricket bait formulations. Journal of Invertebrate Pathology, 2013, 113, 198-204.	3.2	34
18	Pheromone biosynthetic pathways in the mothsHeliothis subflexa andHeliothis virescens. Archives of Insect Biochemistry and Physiology, 2005, 59, 53-58.	1.5	32

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19	Identification and expression of PBAN/diapause hormone and GPCRs from Aedes aegypti. Molecular and Cellular Endocrinology, 2013, 375, 113-120.	3.2	32
20	The Biochemical Adaptations of Spotted Wing Drosophila (Diptera: Drosophilidae) to Fresh Fruits Reduced Fructose Concentrations and Glutathione-S Transferase Activities. Journal of Economic Entomology, 2016, 109, 973-981.	1.8	29
21	Ant Trail Pheromone Biosynthesis Is Triggered by a Neuropeptide Hormone. PLoS ONE, 2012, 7, e50400.	2.5	28
22	Regulation of sex pheromone biosynthesis in the oriental tobacco budworm, Helicoverpa assulta (Lepidoptera: Noctuidae). Journal of Insect Physiology, 1998, 44, 653-658.	2.0	25
23	PBAN/pyrokinin peptides in the central nervous system of the fire ant, Solenopsis invicta. Cell and Tissue Research, 2009, 335, 431-439.	2.9	24
24	PBAN stimulation of pheromone biosynthesis by inducing calcium influx in pheromone glands of Helicoverpa zea. Journal of Insect Physiology, 2004, 50, 555-560.	2.0	23
25	Title is missing!. Journal of Chemical Ecology, 2000, 26, 601-609.	1.8	22
26	Molecular modeling of the binding of pheromone biosynthesis activating neuropeptide to its receptor. Journal of Insect Physiology, 2007, 53, 803-818.	2.0	22
27	PBAN gene architecture and expression in the fire ant, Solenopsis invicta. Journal of Insect Physiology, 2011, 57, 161-165.	2.0	21
28	Phenotypic Effects of PBAN RNAi Using Oral Delivery of dsRNA to Corn Earworm (Lepidoptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	1.8	19
29	Neuropeptides and peptide hormones identified in codling moth, Cydia pomonella (Lepidoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock	1.5	18
30	Identification and Biosynthetic Studies of the Hydrocarbon Sex Pheromone in Utetheisa ornatrix. Journal of Chemical Ecology, 2007, 33, 1336-1345.	1.8	17
31	Identification of a new member of the PBAN family of neuropeptides from the fire ant, Solenopsis invicta. Insect Molecular Biology, 2009, 18, 161-169.	2.0	16
32	Siteâ€directed mutagenesis and PBAN activation of the Helicoverpa zea PBANâ€receptor. FEBS Letters, 2010, 584, 1212-1216.	2.8	16
33	Identification and characterization of capa and pyrokinin genes in the brown marmorated stink bug, Halyomorpha halys (Hemiptera): Gene structure, immunocytochemistry, and differential expression. Archives of Insect Biochemistry and Physiology, 2018, 99, e21500.	1.5	16
34	Effect of Erythritol onDrosophila suzukii(Diptera: Drosophilidae) in the Presence of Naturally-Occurring Sugar Sources, and on the Survival ofApis mellifera(Hymenoptera: Apidae). Journal of Economic Entomology, 2019, 112, 981-985.	1.8	16
35	Rapid and highly accurate detection of Drosophila suzukii, spotted wing Drosophila (Diptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 2016, 19, 1211-1216.	0.9	15
36	Identification and functional analysis of dsRNases in spottedâ€wing drosophila, Drosophila suzukii. Archives of Insect Biochemistry and Physiology, 2021, 107, e21822.	1.5	13

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37	Molecular diversity of PBAN family peptides from fire ants. Archives of Insect Biochemistry and Physiology, 2010, 74, 67-80.	1.5	12
38	Identification and characterization of pyrokinin and CAPA peptides, and corresponding GPCRs from spotted wing drosophila, Drosophila suzukii. General and Comparative Endocrinology, 2017, 246, 354-362.	1.8	12
39	Role of Extracellular Ca²⁺ and Calcium Channel Activated by a G Protein-Coupled Receptor Regulating Pheromone Production in <I>Helicoverp</I>a <I>zea</I> (Lepidoptera: Noctuidae). Annals of the Entomological Society of America, 2006, 99, 905-909.	2.5	11
40	Molecular Structure and Diversity of PBAN/pyrokinin Family Peptides in Ants. Frontiers in Endocrinology, 2012, 3, 32.	3.5	11
41	Sexâ€biased gene expression in antennae of Drosophila suzukii. Archives of Insect Biochemistry and Physiology, 2020, 104, e21660.	1.5	11
42	Identification and Expression of Capa Gene in the Fire Ant, Solenopsis invicta. PLoS ONE, 2014, 9, e94274.	2.5	10
43	Identification and expression of a new member of the pyrokinin/pban gene family in the sand fly Phlebotomus papatasi. Journal of Insect Physiology, 2015, 79, 55-62.	2.0	10
44	Tarsi of Male Heliothine Moths Contain Aldehydes and Butyrate Esters as Potential Pheromone Components. Journal of Chemical Ecology, 2016, 42, 425-432.	1.8	10
45	Transcriptional comparison between pheromone gland-ovipositor and tarsi in the corn earworm moth Helicoverpa zea. Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2019, 31, 100604.	1.0	9
46	Identification and Characterization of GPCRs for Pyrokinin and CAPA Peptides in the Brown Marmorated Stink Bug, Halyomorpha halys (Hemiptera: Pentatomidae). Frontiers in Physiology, 2020, 11, 559.	2.8	8
47	GPCR-Based Bioactive Peptide Screening Using Phage-Displayed Peptides and an Insect Cell System for Insecticide Discovery. Biomolecules, 2021, 11, 583.	4.0	8
48	Effects of nonnutritional sugars on lipid and carbohydrate content, physiological uptake, and excretion in Drosophila suzukii. Archives of Insect Biochemistry and Physiology, 2022, 109, e21860.	1.5	8
49	The complete mitochondrial genome of the gray garden slug Deroceras reticulatum (Gastropoda:) Tj ETQq1 1 0.784314 rgBT /Overlock	0.4	7
50	Erythritol combined with non-nutritive sucralose increases feeding by Drosophila suzukii, quickens mortality and reduces oviposition. Crop Protection, 2021, 150, 105812.	2.1	7
51	Mating Effect on Sex Pheromone Production of the Oriental tobacco budworm, Helicoverpa assulta. Journal of Asia-Pacific Entomology, 2002, 5, 43-48.	0.9	6
52	Identification and functional characterization of the first molluscan neuromedin U receptor in the slug, Deroceras reticulatum. Scientific Reports, 2020, 10, 22308.	3.3	6
53	Assessment of the Biological Control Potential of Common Carabid Beetle Species for Autumn- and Winter-Active Pests (Gastropoda, Lepidoptera, Diptera: Tipulidae) in Annual Ryegrass in Western Oregon. Insects, 2020, 11, 722.	2.2	5
54	Molecular and Functional Characterization of Pyrokinin-Like Peptides in the Western Tarnished Plant Bug Lygus hesperus (Hemiptera: Miridae). Insects, 2021, 12, 914.	2.2	5

#	Article	IF	Citations
55	Identification and Determination of the Partial cDNA Encoding the Pheromone Biosynthesis Activating Neuropeptide in Helicoverpa armigera. Journal of Asia-Pacific Entomology, 1999, 2, 175-180.	0.9	3
56	Multiple functions of fire ant <scp>S</scp>olenopsis invicta mandibular gland products. Physiological Entomology, 2015, 40, 196-204.	1.5	3
57	C75, a Fatty Acid Synthase Inhibitor, Inhibits Feeding Activity and Pheromone Production in a Moth, Helicoverpa zea. Journal of Asia-Pacific Entomology, 2006, 9, 43-48.	0.9	2
58	Behavioral Response of Little Fire Ant, Wasmannia auropunctata (Hymenoptera: Formicidae), to Trail Chemicals Laid on Epiphytic Moss. Journal of Insect Behavior, 2019, 32, 145-152.	0.7	1