

Man-Yeon Choi

List of Publications by Year in descending order

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58
papers

1,506
citations

279798

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h-index

345221

36
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59
all docs

59
docs citations

59
times ranked

995
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of nonnutritional sugars on lipid and carbohydrate content, physiological uptake, and excretion in <i>Drosophila suzukii</i> . Archives of Insect Biochemistry and Physiology, 2022, 109, e21860.	1.5	8
2	GPCR-Based Bioactive Peptide Screening Using Phage-Displayed Peptides and an Insect Cell System for Insecticide Discovery. Biomolecules, 2021, 11, 583.	4.0	8
3	Identification and functional analysis of dsRNases in spotted-wing drosophila, <i>Drosophila suzukii</i> . Archives of Insect Biochemistry and Physiology, 2021, 107, e21822.	1.5	13
4	<i>Drosophila suzukii</i> (Diptera: Drosophilidae): A Decade of Research Towards a Sustainable Integrated Pest Management Program. Journal of Economic Entomology, 2021, 114, 1950-1974.	1.8	113
5	Erythritol combined with non-nutritive sucralose increases feeding by <i>Drosophila suzukii</i> , quickens mortality and reduces oviposition. Crop Protection, 2021, 150, 105812.	2.1	7
6	Molecular and Functional Characterization of Pyrokinin-Like Peptides in the Western Tarnished Plant Bug <i>Lygus hesperus</i> (Hemiptera: Miridae). Insects, 2021, 12, 914.	2.2	5
7	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
8	Identification and Characterization of GPCRs for Pyrokinin and CAPA Peptides in the Brown Marmorated Stink Bug, <i>Halyomorpha halys</i> (Hemiptera: Pentatomidae). Frontiers in Physiology, 2020, 11, 559.	2.8	8
9	Sex-biased gene expression in antennae of <i>Drosophila suzukii</i> . Archives of Insect Biochemistry and Physiology, 2020, 104, e21660.	1.5	11
10	Identification and functional characterization of the first molluscan neuromedin U receptor in the slug, <i>Deroceras reticulatum</i> . Scientific Reports, 2020, 10, 22308.	3.3	6
11	Transcriptional comparison between pheromone gland-ovipositor and tarsi in the corn earworm moth <i>Helicoverpa zea</i> . Comparative Biochemistry and Physiology Part D: Genomics and Proteomics, 2019, 31, 100604.	1.0	9
12	Neuropeptides and peptide hormones identified in codling moth, <i>Cydia pomonella</i> (Lepidoptera: Tortricidae). Journal of Insect Biochemistry and Physiology, 2019, 112, 981-985.	1.5	18
13	Behavioral Response of Little Fire Ant, <i>Wasmannia auropunctata</i> (Hymenoptera: Formicidae), to Trail Chemicals Laid on Epiphytic Moss. Journal of Insect Behavior, 2019, 32, 145-152.	0.7	1
14	Effect of Erythritol on <i>Drosophila suzukii</i> (Diptera: Drosophilidae) in the Presence of Naturally-Occurring Sugar Sources, and on the Survival of <i>Apis mellifera</i> (Hymenoptera: Apidae). Journal of Economic Entomology, 2019, 112, 981-985.	1.8	16
15	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
16	Phenotypic Effects of PBAN RNAi Using Oral Delivery of dsRNA to Corn Earworm (Lepidoptera: Tortricidae). Journal of Insect Biochemistry and Physiology, 2019, 112, 981-985.	1.8	19
17	Identification and characterization of <i>capa</i> and <i>pyrokinin</i> genes in the brown marmorated stink bug, <i>Halyomorpha halys</i> (Hemiptera): Gene structure, immunocytochemistry, and differential expression. Archives of Insect Biochemistry and Physiology, 2018, 99, e21500.	1.5	16
18	Identification and characterization of pyrokinin and CAPA peptides, and corresponding GPCRs from spotted wing drosophila, <i>Drosophila suzukii</i> . General and Comparative Endocrinology, 2017, 246, 354-362.	1.8	12

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19	Effect of non-nutritive sugars to decrease the survivorship of spotted wing drosophila, <i>Drosophila suzukii</i> . <i>Journal of Insect Physiology</i> , 2017, 99, 86-94.	2.0	45
20	Neuropeptides predicted from the transcriptome analysis of the gray garden slug <i>Deroceras reticulatum</i> . <i>Peptides</i> , 2017, 93, 51-65.	2.4	50
21	The complete mitochondrial genome of the gray garden slug <i>Deroceras reticulatum</i> (Gastropoda: Tj ETQq1 1 0.784314 rgBT/Overlock 0.4 7/Overlock	0.4	7
22	Effect of erythritol formulation on the mortality, fecundity and physiological excretion in <i>Drosophila suzukii</i> . <i>Journal of Insect Physiology</i> , 2017, 101, 178-184.	2.0	36
23	Tarsi of Male Heliiothine Moths Contain Aldehydes and Butyrate Esters as Potential Pheromone Components. <i>Journal of Chemical Ecology</i> , 2016, 42, 425-432.	1.8	10
24	Rapid and highly accurate detection of <i>Drosophila suzukii</i> , spotted wing <i>Drosophila</i> (Diptera:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 2016, 19, 1211-1216.	0.9	15
25	The Biochemical Adaptations of Spotted Wing <i>Drosophila</i> (Diptera: Drosophilidae) to Fresh Fruits Reduced Fructose Concentrations and Glutathione-S Transferase Activities. <i>Journal of Economic Entomology</i> , 2016, 109, 973-981.	1.8	29
26	Multiple functions of fire ant <i>Solenopsis invicta</i> mandibular gland products. <i>Physiological Entomology</i> , 2015, 40, 196-204.	1.5	3
27	Identification and expression of a new member of the pyrokinin/pban gene family in the sand fly <i>Phlebotomus papatasi</i> . <i>Journal of Insect Physiology</i> , 2015, 79, 55-62.	2.0	10
28	Identification and Expression of Capa Gene in the Fire Ant, <i>Solenopsis invicta</i> . <i>PLoS ONE</i> , 2014, 9, e94274.	2.5	10
29	Successful transmission of <i>Solenopsis invicta</i> virus 3 to <i>Solenopsis invicta</i> fire ant colonies in oil, sugar, and cricket bait formulations. <i>Journal of Invertebrate Pathology</i> , 2013, 113, 198-204.	3.2	34
30	Identification and characterization of the pyrokinin/pheromone biosynthesis activating neuropeptide family of G protein-coupled receptors from <i>Ostrinia nubilalis</i> . <i>Insect Molecular Biology</i> , 2013, 22, 331-340.	2.0	44
31	Identification and expression of PBAN/diapause hormone and GPCRs from <i>Aedes aegypti</i> . <i>Molecular and Cellular Endocrinology</i> , 2013, 375, 113-120.	3.2	32
32	Molecular Structure and Diversity of PBAN/pyrokinin Family Peptides in Ants. <i>Frontiers in Endocrinology</i> , 2012, 3, 32.	3.5	11
33	Phenotypic impacts of PBAN RNA interference in an ant, <i>Solenopsis invicta</i> , and a moth, <i>Helicoverpa zea</i> . <i>Journal of Insect Physiology</i> , 2012, 58, 1159-1165.	2.0	42
34	Ant Trail Pheromone Biosynthesis Is Triggered by a Neuropeptide Hormone. <i>PLoS ONE</i> , 2012, 7, e50400.	2.5	28
35	PBAN gene architecture and expression in the fire ant, <i>Solenopsis invicta</i> . <i>Journal of Insect Physiology</i> , 2011, 57, 161-165.	2.0	21
36	Isolation of a Pyrazine Alarm Pheromone Component from the Fire Ant, <i>Solenopsis invicta</i> . <i>Journal of Chemical Ecology</i> , 2010, 36, 163-170.	1.8	55

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37	Site-directed mutagenesis and PBAN activation of the <i>Helicoverpa zea</i> PBAN receptor. <i>FEBS Letters</i> , 2010, 584, 1212-1216.	2.8	16
38	Molecular diversity of PBAN family peptides from fire ants. <i>Archives of Insect Biochemistry and Physiology</i> , 2010, 74, 67-80.	1.5	12
39	PBAN/pyrokinin peptides in the central nervous system of the fire ant, <i>Solenopsis invicta</i> . <i>Cell and Tissue Research</i> , 2009, 335, 431-439.	2.9	24
40	Identification of a new member of the PBAN family of neuropeptides from the fire ant, <i>Solenopsis invicta</i> . <i>Insect Molecular Biology</i> , 2009, 18, 161-169.	2.0	16
41	Role of extracellular domains in PBAN/pyrokinin GPCRs from insects using chimera receptors. <i>Insect Biochemistry and Molecular Biology</i> , 2007, 37, 296-306.	2.7	36
42	Spatial distribution and differential expression of the PBAN receptor in tissues of adult <i>Helicoverpa</i> spp. (Lepidoptera: Noctuidae). <i>Insect Molecular Biology</i> , 2007, 16, 287-293.	2.0	41
43	Molecular modeling of the binding of pheromone biosynthesis activating neuropeptide to its receptor. <i>Journal of Insect Physiology</i> , 2007, 53, 803-818.	2.0	22
44	Identification and Biosynthetic Studies of the Hydrocarbon Sex Pheromone in <i>Utetheisa ornatrix</i> . <i>Journal of Chemical Ecology</i> , 2007, 33, 1336-1345.	1.8	17
45	C75, a Fatty Acid Synthase Inhibitor, Inhibits Feeding Activity and Pheromone Production in a Moth, <i>Helicoverpa zea</i> . <i>Journal of Asia-Pacific Entomology</i> , 2006, 9, 43-48.	0.9	2
46	Role of Extracellular Ca ²⁺ and Calcium Channel Activated by a G Protein-Coupled Receptor Regulating Pheromone Production in <i>Helicoverpa zea</i> (Lepidoptera: Noctuidae). <i>Annals of the Entomological Society of America</i> , 2006, 99, 905-909.	2.5	11
47	Pheromone biosynthetic pathways in the moths <i>Heliothis subflexa</i> and <i>Heliothis virescens</i> . <i>Archives of Insect Biochemistry and Physiology</i> , 2005, 59, 53-58.	1.5	32
48	PBAN stimulation of pheromone biosynthesis by inducing calcium influx in pheromone glands of <i>Helicoverpa zea</i> . <i>Journal of Insect Physiology</i> , 2004, 50, 555-560.	2.0	23
49	Identification of a new member of PBAN family and immunoreactivity in the central nervous system from <i>Adoxophyes</i> sp. (Lepidoptera: Tortricidae). <i>Insect Biochemistry and Molecular Biology</i> , 2004, 34, 927-935.	2.7	35
50	Sex pheromone biosynthetic pathway for disparlure in the gypsy moth, <i>Lymantria dispar</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 809-814.	7.1	53
51	Identification of a G protein-coupled receptor for pheromone biosynthesis activating neuropeptide from pheromone glands of the moth <i>Helicoverpa zea</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 9721-9726.	7.1	153
52	Pheromone biosynthetic pathways in the moths <i>Helicoverpa zea</i> and <i>Helicoverpa assulta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2002, 32, 1353-1359.	2.7	34
53	Mating Effect on Sex Pheromone Production of the Oriental tobacco budworm, <i>Helicoverpa assulta</i> . <i>Journal of Asia-Pacific Entomology</i> , 2002, 5, 43-48.	0.9	6
54	Pyrokinin/PBAN-like peptides in the central nervous system of <i>Drosophila melanogaster</i> . <i>Cell and Tissue Research</i> , 2001, 306, 459-465.	2.9	62

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55	Title is missing!. Journal of Chemical Ecology, 2000, 26, 601-609.	1.8	22
56	Identification and Determination of the Partial cDNA Encoding the Pheromone Biosynthesis Activating Neuropeptide in <i>Helicoverpa armigera</i> . Journal of Asia-Pacific Entomology, 1999, 2, 175-180.	0.9	3
57	Regulation of sex pheromone biosynthesis in the oriental tobacco budworm, <i>Helicoverpa assulta</i> (Lepidoptera: Noctuidae). Journal of Insect Physiology, 1998, 44, 653-658.	2.0	25
58	Isolation and identification of the cDNA encoding the pheromone biosynthesis activating neuropeptide and additional neuropeptides in the oriental tobacco budworm, <i>Helicoverpa assulta</i> (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