

Yoonseong Park

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7751447/publications.pdf>

Version: 2024-02-01

112
papers

8,907
citations

70961

41
h-index

46693

89
g-index

114
all docs

114
docs citations

114
times ranked

9203
citing authors

#	ARTICLE	IF	CITATIONS
1	Uncovering the novel characteristics of Asian honey bee, <i>Apis cerana</i> , by whole genome sequencing. <i>BMC Genomics</i> , 2015, 16, 1.	1.2	1,445
2	The genome of the model beetle and pest <i>Tribolium castaneum</i> . <i>Nature</i> , 2008, 452, 949-955.	13.7	1,255
3	Genomic insights into the <i>Ixodes scapularis</i> tick vector of Lyme disease. <i>Nature Communications</i> , 2016, 7, 10507.	5.8	450
4	Genomics, transcriptomics, and peptidomics of neuropeptides and protein hormones in the red flour beetle <i>Tribolium castaneum</i> . <i>Genome Research</i> , 2008, 18, 113-122.	2.4	359
5	Identification of G protein-coupled receptors for <i>Drosophila</i> PRXamide peptides, CCAP, corazonin, and AKH supports a theory of ligand-receptor coevolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 11423-11428.	3.3	357
6	A protein from the salivary glands of the pea aphid, <i>Acyrtosiphon pisum</i> , is essential in feeding on a host plant. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 9965-9969.	3.3	339
7	RNAi Knockdown of a Salivary Transcript Leading to Lethality in the Pea Aphid, <i>Acyrtosiphon pisum</i> . <i>Journal of Insect Science</i> , 2006, 6, 1-7.	0.6	281
8	Molecular mechanisms influencing efficiency of RNA interference in insects. <i>Pest Management Science</i> , 2019, 75, 18-28.	1.7	230
9	A genome-wide inventory of neurohormone GPCRs in the red flour beetle <i>Tribolium castaneum</i> . <i>Frontiers in Neuroendocrinology</i> , 2008, 29, 142-165.	2.5	221
10	Corazonin receptor signaling in ecdysis initiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 6704-6709.	3.3	195
11	Functional analysis of four neuropeptides, EH, ETH, CCAP and bursicon, and their receptors in adult ecdysis behavior of the red flour beetle, <i>Tribolium castaneum</i> . <i>Mechanisms of Development</i> , 2008, 125, 984-995.	1.7	168
12	Multifaceted biological insights from a draft genome sequence of the tobacco hornworm moth, <i>Manduca sexta</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2016, 76, 118-147.	1.2	154
13	Analysis of functions of the chitin deacetylase gene family in <i>Tribolium castaneum</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2009, 39, 355-365.	1.2	145
14	BeetleBase in 2010: revisions to provide comprehensive genomic information for <i>Tribolium castaneum</i> . <i>Nucleic Acids Research</i> , 2010, 38, D437-D442.	6.5	138
15	Deletion of the ecdysis-triggering hormone gene leads to lethal ecdysis deficiency. <i>Development (Cambridge)</i> , 2002, 129, 493-503.	1.2	135
16	Natalisin, a tachykinin-like signaling system, regulates sexual activity and fecundity in insects. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E3526-34.	3.3	129
17	Cholinergic and non-cholinergic functions of two acetylcholinesterase genes revealed by gene-silencing in <i>Tribolium castaneum</i> . <i>Scientific Reports</i> , 2012, 2, 288.	1.6	113
18	Vasopressin-like peptide and its receptor function in an indirect diuretic signaling pathway in the red flour beetle. <i>Insect Biochemistry and Molecular Biology</i> , 2008, 38, 740-748.	1.2	106

#	ARTICLE	IF	CITATIONS
19	Knickkopf protein protects and organizes chitin in the newly synthesized insect exoskeleton. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 17028-17033.	3.3	106
20	A novel mutation L1029H in sodium channel gene hscp associated with pyrethroid resistance for <i>Heliothis virescens</i> (Lepidoptera: Noctuidae). Insect Biochemistry and Molecular Biology, 1997, 27, 9-13.	1.2	104
21	Molecular cloning and biological activity of ecdysis-triggering hormones in <i>Drosophila melanogaster</i> . FEBS Letters, 1999, 463, 133-138.	1.3	103
22	Functions of ion transport peptide and ion transport peptide-like in the red flour beetle <i>Tribolium castaneum</i> . Insect Biochemistry and Molecular Biology, 2009, 39, 717-725.	1.2	92
23	Two Subtypes of Ecdysis-triggering Hormone Receptor in <i>Drosophila melanogaster</i> . Journal of Biological Chemistry, 2003, 278, 17710-17715.	1.6	85
24	Enhanced genome assembly and a new official gene set for <i>Tribolium castaneum</i> . BMC Genomics, 2020, 21, 47.	1.2	84
25	Ecdysis triggering hormone signaling in arthropods. Peptides, 2010, 31, 429-441.	1.2	82
26	Two essential peritrophic matrix proteins mediate matrix barrier functions in the insect midgut. Insect Biochemistry and Molecular Biology, 2014, 49, 24-34.	1.2	82
27	A Valine421 to Methionine Mutation in IS6 of the hscp Voltage-Gated Sodium Channel Associated with Pyrethroid Resistance in <i>Heliothis virescens</i> F.. Biochemical and Biophysical Research Communications, 1997, 239, 688-691.	1.0	80
28	Isolation, expression analysis, and functional characterization of the first antidiuretic hormone receptor in insects. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10290-10295.	3.3	72
29	Two novel neuropeptides in innervation of the salivary glands of the blacklegged tick, <i>Ixodes scapularis</i> : Myoinhibitory peptide and SIFamide. Journal of Comparative Neurology, 2009, 517, 551-563.	0.9	59
30	Deletion of the ecdysis-triggering hormone gene leads to lethal ecdysis deficiency. Development (Cambridge), 2002, 129, 493-503.	1.2	59
31	Receptors for the neuropeptides, myoinhibitory peptide and SIFamide, in control of the salivary glands of the blacklegged tick <i>Ixodes scapularis</i> . Insect Biochemistry and Molecular Biology, 2013, 43, 376-387.	1.2	57
32	Functional and Evolutionary Consequences of Pyrethroid Resistance Mutations in S6 Transmembrane Segments of a Voltage-Gated Sodium Channel. Biochemical and Biophysical Research Communications, 2000, 278, 516-521.	1.0	55
33	Identification of a complex peptidergic neuroendocrine network in the hard tick, <i>Rhipicephalus appendiculatus</i> . Cell and Tissue Research, 2009, 335, 639-655.	1.5	54
34	Genome-enabled insights into the biology of thrips as crop pests. BMC Biology, 2020, 18, 142.	1.7	54
35	Functional Phylogenetics Reveals Contributions of Pleiotropic Peptide Action to Ligand-Receptor Coevolution. Scientific Reports, 2014, 4, 6800.	1.6	53
36	Identification of a novel insect neuropeptide, CNMa and its receptor. FEBS Letters, 2014, 588, 2037-2041.	1.3	51

#	ARTICLE	IF	CITATIONS
37	Genes encoding phospholipases A2 mediate insect nodulation reactions to bacterial challenge. <i>Journal of Insect Physiology</i> , 2010, 56, 324-332.	0.9	50
38	Secretory competence in a gateway endocrine cell conferred by the nuclear receptor $\hat{1}$ FTZ-F1 enables stage-specific ecdysone responses throughout development in <i>Drosophila</i> . <i>Developmental Biology</i> , 2014, 385, 253-262.	0.9	49
39	Analysis of transcriptome data in the red flour beetle, <i>Tribolium castaneum</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2008, 38, 380-386.	1.2	46
40	Identification and characterization of two chitin synthase genes in African malaria mosquito, <i>Anopheles gambiae</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2012, 42, 674-682.	1.2	45
41	A cell line derived from the red flour beetle <i>Tribolium castaneum</i> (Coleoptera: Tenebrionidae). <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2012, 48, 426-433.	0.7	45
42	Validation of Internal Reference Genes for Real-Time Quantitative Polymerase Chain Reaction Studies in the Tick, <i>Ixodes scapularis</i> (Acari: Ixodidae). <i>Journal of Medical Entomology</i> , 2013, 50, 79-84.	0.9	44
43	The maternal-effect, selfish genetic element <i>Medea</i> is associated with a composite <i>Tc1</i> transposon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 10085-10089.	3.3	43
44	Alternatively spliced orckinin isoforms and their functions in <i>Tribolium castaneum</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2015, 65, 1-9.	1.2	42
45	Functions of duplicated genes encoding CCAP receptors in the red flour beetle, <i>Tribolium castaneum</i> . <i>Journal of Insect Physiology</i> , 2011, 57, 1190-1197.	0.9	40
46	Evidence for D1 Dopamine Receptor Activation by a Paracrine Signal of Dopamine in Tick Salivary Glands. <i>PLoS ONE</i> , 2011, 6, e16158.	1.1	39
47	Molecular cloning and functional characterization of the diapause hormone receptor in the corn earworm <i>Helicoverpa zea</i> . <i>Peptides</i> , 2014, 53, 243-249.	1.2	38
48	Tubulin superfamily genes in <i>Tribolium castaneum</i> and the use of a Tubulin promoter to drive transgene expression. <i>Insect Biochemistry and Molecular Biology</i> , 2008, 38, 749-755.	1.2	37
49	Individual differences in impulsive and risky choice: Effects of environmental rearing conditions. <i>Behavioural Brain Research</i> , 2014, 269, 115-127.	1.2	37
50	Neuropeptidergic control of the hindgut in the black-legged tick <i>Ixodes scapularis</i> . <i>International Journal for Parasitology</i> , 2014, 44, 819-826.	1.3	36
51	Genome Organization, Phylogenies, Expression Patterns, and Three-Dimensional Protein Models of Two Acetylcholinesterase Genes from the Red Flour Beetle. <i>PLoS ONE</i> , 2012, 7, e32288.	1.1	36
52	The roles of thermal transient receptor potential channels in thermotactic behavior and in thermal acclimation in the red flour beetle, <i>Tribolium castaneum</i> . <i>Journal of Insect Physiology</i> , 2015, 76, 47-55.	0.9	34
53	Neural control of salivary glands in ixodid ticks. <i>Journal of Insect Physiology</i> , 2012, 58, 459-466.	0.9	31
54	Anatomical localization and stereoisomeric composition of <i>Tribolium castaneum</i> aggregation pheromones. <i>Die Naturwissenschaften</i> , 2011, 98, 755-761.	0.6	29

#	ARTICLE	IF	CITATIONS
55	Invertebrate specific D1-like dopamine receptor in control of salivary glands in the blacklegged tick <i>Ixodes scapularis</i> . <i>Journal of Comparative Neurology</i> , 2014, 522, 2038-2052.	0.9	28
56	Functional characterization of five different PRXamide receptors of the red flour beetle <i>Tribolium castaneum</i> with peptidomimetics and identification of agonists and antagonists. <i>Peptides</i> , 2015, 68, 246-252.	1.2	28
57	PiggyBac-like elements in the pink bollworm, <i>Pectinophora gossypiella</i> . <i>Insect Molecular Biology</i> , 2010, 19, 177-184.	1.0	27
58	Orchestration of salivary secretion mediated by two different dopamine receptors in the blacklegged tick <i>Ixodes scapularis</i> . <i>Journal of Experimental Biology</i> , 2014, 217, 3656-3663.	0.8	27
59	The Ecdysis Triggering Hormone System, via ETH/ETHR-B, Is Essential for Successful Reproduction of a Major Pest Insect, <i>Bactrocera dorsalis</i> (Hendel). <i>Frontiers in Physiology</i> , 2019, 10, 151.	1.3	27
60	Alpha-Gal and Cross-Reactive Carbohydrate Determinants in the N-Glycans of Salivary Glands in the Lone Star Tick, <i>Amblyomma americanum</i> . <i>Vaccines</i> , 2020, 8, 18.	2.1	27
61	Branched Amphiphilic Cationic Oligopeptides Form Peptiplexes with DNA: A Study of Their Biophysical Properties and Transfection Efficiency. <i>Molecular Pharmaceutics</i> , 2015, 12, 706-715.	2.3	26
62	A new neuropeptide insect parathyroid hormone iPTH in the red flour beetle <i>Tribolium castaneum</i> . <i>PLoS Genetics</i> , 2020, 16, e1008772.	1.5	24
63	Multiple functions of Na/K-ATPase in dopamine-induced salivation of the Blacklegged tick, <i>Ixodes scapularis</i> . <i>Scientific Reports</i> , 2016, 6, 21047.	1.6	23
64	Ultrastructural Changes Caused by Snf7 RNAi in Larval Enterocytes of Western Corn Rootworm (<i>Diabrotica virgifera virgifera</i> Le Conte). <i>PLoS ONE</i> , 2014, 9, e83985.	1.1	23
65	Molecular characterization of neuropeptide elevenin and two elevenin receptors, IsElevR1 and IsElevR2, from the blacklegged tick, <i>Ixodes scapularis</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2018, 101, 66-75.	1.2	22
66	The bacterial community of the lone star tick (<i>Amblyomma americanum</i>). <i>Parasites and Vectors</i> , 2021, 14, 49.	1.0	20
67	Water absorption through salivary gland type I acini in the blacklegged tick, <i>Ixodes scapularis</i> . <i>PeerJ</i> , 2017, 5, e3984.	0.9	20
68	CYP303A1 has a conserved function in adult eclosion in <i>Locusta migratoria</i> and <i>Drosophila melanogaster</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2019, 113, 103210.	1.2	19
69	The <i>Tribolium castaneum</i> cell line TcA: a new tool kit for cell biology. <i>Scientific Reports</i> , 2014, 4, 6840.	1.6	18
70	Inactivated mariner-like elements (MLE) in pink bollworm, <i>Pectinophora gossypiella</i> . <i>Insect Molecular Biology</i> , 2005, 14, 547-553.	1.0	17
71	Autocrine/paracrine dopamine in the salivary glands of the blacklegged tick <i>Ixodes scapularis</i> . <i>Journal of Insect Physiology</i> , 2014, 62, 39-45.	0.9	16
72	Large diversity of the piggyBac-like elements in the genome of <i>Tribolium castaneum</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2008, 38, 490-498.	1.2	15

#	ARTICLE	IF	CITATIONS
73	Ultrastructural mapping of salivary gland innervation in the tick <i>Ixodes ricinus</i> . <i>Scientific Reports</i> , 2019, 9, 6860.	1.6	14
74	Molecular Population Genetics of Sodium Channel and Juvenile Hormone Esterase Markers in Relation to Pyrethroid Resistance in <i>Heliothis virescens</i> (Lepidoptera: Noctuidae). <i>Annals of the Entomological Society of America</i> , 1996, 89, 728-738.	1.3	13
75	Whole genome amplification of Chelex-extracted DNA from a single mite: a method for studying genetics of the predatory mite <i>Phytoseiulus persimilis</i> . <i>Experimental and Applied Acarology</i> , 2007, 40, 241-247.	0.7	13
76	Endocrine regulation of insect diuresis in the early postgenomic era This review is part of a virtual symposium on recent advances in understanding a variety of complex regulatory processes in insect physiology and endocrinology, including development, metabolism, cold hardiness, food intake and digestion, and diuresis, through the use of omics technologies in the postgenomic era.. <i>Canadian Journal of Zoology</i> , 2012, 90, 507-520.	0.4	13
77	Corazonin Signaling Is Required in the Male for Sperm Transfer in the Oriental Fruit Fly <i>Bactrocera dorsalis</i> . <i>Frontiers in Physiology</i> , 2018, 9, 660.	1.3	12
78	Neural and endocrine regulation of osmoregulatory organs in tick: Recent discoveries and implications. <i>General and Comparative Endocrinology</i> , 2019, 278, 42-49.	0.8	12
79	Dissecting Flavivirus Biology in Salivary Gland Cultures from Fed and Unfed <i>Ixodes scapularis</i> (Black-Legged Tick). <i>MBio</i> , 2019, 10, .	1.8	12
80	A Mutation Leu1029 to His in <i>Heliothis virescens</i> F. hscp Sodium Channel Gene Associated with a Nerve-Insensitivity Mechanism of Resistance to Pyrethroid Insecticides. <i>Pesticide Biochemistry and Physiology</i> , 2000, 66, 1-8.	1.6	11
81	Ligand selectivity in tachykinin and natalisin neuropeptidergic systems of the honey bee parasitic mite <i>Varroa destructor</i> . <i>Scientific Reports</i> , 2016, 6, 19547.	1.6	10
82	Cholinergic axons regulate type I acini in salivary glands of <i>Ixodes ricinus</i> and <i>Ixodes scapularis</i> ticks. <i>Scientific Reports</i> , 2020, 10, 16054.	1.6	10
83	Liquid water intake of the lone star tick, <i>Amblyomma americanum</i> : Implications for tick survival and management. <i>Scientific Reports</i> , 2020, 10, 6000.	1.6	10
84	Postgenomics of <i>Tribolium</i> : Targeting the endocrine regulation of diuresis. <i>Entomological Research</i> , 2008, 38, 93-100.	0.6	9
85	Differential localization of Hessian fly candidate effectors in resistant and susceptible wheat plants. <i>Plant Direct</i> , 2020, 4, e00246.	0.8	9
86	Endocrine system in supernumerary molting of the flour beetle, <i>Tribolium freemani</i> , under crowded conditions. <i>Insect Biochemistry and Molecular Biology</i> , 2018, 101, 76-84.	1.2	8
87	Broad-complex transcription factor mediates opposing hormonal regulation of two phylogenetically distant arginine kinase genes in <i>Tribolium castaneum</i> . <i>Communications Biology</i> , 2020, 3, 631.	2.0	8
88	Effect of Constant Temperatures on <i>Culicoides sonorensis</i> Midge Physiology and Vesicular Stomatitis Virus Infection. <i>Insects</i> , 2022, 13, 372.	1.0	7
89	Development of multiple dominant markers by using Vectorette PCR-based nonradioactive transposable element display. <i>Molecular Ecology Notes</i> , 2006, 6, 642-645.	1.7	6
90	Global variation in the piggyBac-like element of pink bollworm, <i>Pectinophora gossypiella</i> . <i>Journal of Asia-Pacific Entomology</i> , 2011, 14, 131-135.	0.4	5

#	ARTICLE	IF	CITATIONS
91	The transcriptome of the lone star tick, <i>Amblyomma americanum</i> , reveals molecular changes in response to infection with the pathogen, <i>Ehrlichia chaffeensis</i> . <i>Journal of Asia-Pacific Entomology</i> , 2018, 21, 852-863.	0.4	5
92	Proteomics of the Honeydew from the Brown Planthopper and Green Rice Leafhopper Reveal They Are Rich in Proteins from Insects, Rice Plant and Bacteria. <i>Insects</i> , 2020, 11, 582.	1.0	5
93	Tick Intrastadial Feeding and Its Role on IgE Production in the Murine Model of Alpha-gal Syndrome: The Tick "Transmission" Hypothesis. <i>Frontiers in Immunology</i> , 2022, 13, 844262.	2.2	5
94	Identification of mariner-like elements belonging to the cecropia subfamily in two closely related <i>Helicoverpa</i> species. <i>Insect Science</i> , 2011, 18, 619-628.	1.5	4
95	Transcriptome of the <i>Aedes aegypti</i> Mosquito in Response to Human Complement Proteins. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6584.	1.8	4
96	A Horizontal Gene Transfer Led to the Acquisition of a Fructan Metabolic Pathway in a Gall Midge. <i>Advanced Biology</i> , 2020, 4, 1900275.	3.0	4
97	Functional Characterization of Ecdysis Triggering Hormone Receptors (AgETHR-A and AgETHR-B) in the African Malaria Mosquito, <i>Anopheles gambiae</i> . <i>Frontiers in Physiology</i> , 2021, 12, 702979.	1.3	3
98	Blood Meals With Active and Heat-Inactivated Serum Modifies the Gene Expression and Microbiome of <i>Aedes albopictus</i> . <i>Frontiers in Microbiology</i> , 2021, 12, 724345.	1.5	3
99	Ecdysis triggering hormone peptide in the African malaria mosquito <i>Anopheles gambiae</i> : The peptide structure for receptor activation. <i>Insect Science</i> , 2022, , .	1.5	3
100	Comparison of Endemic and Epidemic Vesicular Stomatitis Virus Lineages in <i>Culicoides sonorensis</i> Midges. <i>Viruses</i> , 2022, 14, 1221.	1.5	3
101	Roles of transient receptor potential channels in eclosion and movement in the red flour beetle <i>Tribolium castaneum</i> . <i>Physiological Entomology</i> , 2018, 43, 79-85.	0.6	2
102	Developmental Peptides: ETH, Corazonin, and PTH. , 2006, , 163-169.		1
103	Dermal secretion physiology and thermoregulation in the lone star tick, <i>Amblyomma americanum</i> . <i>Ticks and Tick-borne Diseases</i> , 2022, 13, 101962.	1.1	1
104	Two novel neuropeptides in innervation of the salivary glands of the black-legged tick, <i>Ixodes scapularis</i> : Myoinhibitory peptide and SIFamide. <i>Journal of Comparative Neurology</i> , 2009, 517, spc1-spc1.	0.9	0
105	Two novel neuropeptides in innervation of the salivary glands of the black-legged tick, <i>Ixodes scapularis</i> : Myoinhibitory peptide and SIFamide. <i>Journal of Comparative Neurology</i> , 2009, 517, spc1-spc1.	0.9	0
106	Developmental Peptides. , 2013, , 222-228.		0
107	A new neuropeptide insect parathyroid hormone iPTH in the red flour beetle <i>Tribolium castaneum</i> . , 2020, 16, e1008772.		0
108	A new neuropeptide insect parathyroid hormone iPTH in the red flour beetle <i>Tribolium castaneum</i> . , 2020, 16, e1008772.		0

#	ARTICLE	IF	CITATIONS
109	A new neuropeptide insect parathyroid hormone iPTH in the red flour beetle <i>Tribolium castaneum</i> . , 2020, 16, e1008772.		0
110	A new neuropeptide insect parathyroid hormone iPTH in the red flour beetle <i>Tribolium castaneum</i> . , 2020, 16, e1008772.		0
111	A new neuropeptide insect parathyroid hormone iPTH in the red flour beetle <i>Tribolium castaneum</i> . , 2020, 16, e1008772.		0
112	A new neuropeptide insect parathyroid hormone iPTH in the red flour beetle <i>Tribolium castaneum</i> . , 2020, 16, e1008772.		0