Heleen Verlinden

List of Publications by Year
in descending order

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45	2,225	172207	243296
papers	citations	29	44
		h-index	g-index

45	45	45	1767
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	More than two decades of research on insect neuropeptide GPCRs: an overview. Frontiers in Endocrinology, 2012, 3, 151.	1.5	180
2	The role of octopamine in locusts and other arthropods. Journal of Insect Physiology, 2010, 56, 854-867.	0.9	142
3	Control of ecdysteroidogenesis in prothoracic glands of insects: A review. Peptides, 2010, 31, 506-519.	1.2	130
4	From Molecules to Management: Mechanisms and Consequences of Locust Phase Polyphenism. Advances in Insect Physiology, 2017, 53, 167-285.	1.1	101
5	Final steps in juvenile hormone biosynthesis in the desert locust, Schistocerca gregaria. Insect Biochemistry and Molecular Biology, 2011, 41, 219-227.	1.2	98
6	Transcriptome Analysis of the Desert Locust Central Nervous System: Production and Annotation of a Schistocerca gregaria EST Database. PLoS ONE, 2011, 6, e17274.	1.1	90
7	Tachykinin-related peptides and their receptors in invertebrates: A current view. Peptides, 2010, 31, 520-524.	1.2	87
8	RNA interference of insulin-related peptide and neuroparsins affects vitellogenesis in the desert locust Schistocerca gregaria. Peptides, 2011, 32, 573-580.	1.2	86
9	Role of the Halloween genes, Spook and Phantom in ecdysteroidogenesis in the desert locust, Schistocerca gregaria. Journal of Insect Physiology, 2011, 57, 1240-1248.	0.9	83
10	Tissue-dependence and sensitivity of the systemic RNA interference response in the desert locust, Schistocerca gregaria. Insect Biochemistry and Molecular Biology, 2012, 42, 911-917.	1.2	83
11	Endocrinology of reproduction and phase transition in locusts. General and Comparative Endocrinology, 2009, 162, 79-92.	0.8	73
12	Critical role for protein kinase A in the acquisition of gregarious behavior in the desert locust. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E381-7.	3.3	69
13	Comparative genomics of leucine-rich repeats containing G protein-coupled receptors and their ligands. General and Comparative Endocrinology, 2008, 155, 14-21.	0.8	68
14	The pleiotropic allatoregulatory neuropeptides and their receptors: A mini-review. Journal of Insect Physiology, 2015, 80, 2-14.	0.9	67
15	Receptors for Neuronal or Endocrine Signalling Molecules as Potential Targets for the Control of Insect Pests. Advances in Insect Physiology, 2014, 46, 167-303.	1.1	56
16	Dopamine signalling in locusts and other insects. Insect Biochemistry and Molecular Biology, 2018, 97, 40-52.	1.2	54
17	Isolation and functional characterization of an allatotropin receptor from Manduca sexta. Insect Biochemistry and Molecular Biology, 2011, 41, 804-814.	1.2	50
18	Functional Characterization of the Short Neuropeptide F Receptor in the Desert Locust, Schistocerca gregaria. PLoS ONE, 2013, 8, e53604.	1.1	50

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19	RNAi-mediated knockdown of Shade negatively affects ecdysone-20-hydroxylation in the desert locust, Schistocerca gregaria. Journal of Insect Physiology, 2012, 58, 890-896.	0.9	44
20	Locust phase polyphenism: Does epigenetic precede endocrine regulation?. General and Comparative Endocrinology, 2011, 173, 120-128.	0.8	43
21	Characterization of an allatotropin-like peptide receptor in the red flour beetle, Tribolium castaneum. Insect Biochemistry and Molecular Biology, 2011, 41, 815-822.	1.2	39
22	The cloning, phylogenetic relationship and distribution pattern of two new putative GPCR-type octopamine receptors in the desert locust (Schistocerca gregaria). Journal of Insect Physiology, 2010, 56, 868-875.	0.9	38
23	Neuropeptide Receptors as Possible Targets for Development of Insect Pest Control Agents. Advances in Experimental Medicine and Biology, 2010, 692, 211-226.	0.8	38
24	Honey Bee Allatostatins Target Galanin/Somatostatin-Like Receptors and Modulate Learning: A Conserved Function?. PLoS ONE, 2016, 11, e0146248.	1.1	37
25	Analysis of Peptide Ligand Specificity of Different Insect Adipokinetic Hormone Receptors. International Journal of Molecular Sciences, 2018, 19, 542.	1.8	37
26	Microarray-Based Transcriptomic Analysis of Differences between Long-Term Gregarious and Solitarious Desert Locusts. PLoS ONE, 2011, 6, e28110.	1.1	36
27	Characterisation and pharmacological analysis of a crustacean G protein-coupled receptor: the red pigment-concentrating hormone receptor of Daphnia pulex. Scientific Reports, 2017, 7, 6851.	1.6	34
28	First draft genome assembly of the desert locust, Schistocerca gregaria. F1000Research, 2020, 9, 775.	0.8	34
29	Pharmacological Characterization of a 5-HT1-Type Serotonin Receptor in the Red Flour Beetle, Tribolium castaneum. PLoS ONE, 2013, 8, e65052.	1.1	33
30	Peptidergic control of food intake and digestion in insects¹This 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.. Canadian Journal of Zoology, 2012, 90, 489-506.	0.4	31
31	Functional comparison of two evolutionary conserved insect neurokinin-like receptors. Peptides, 2007, 28, 103-108.	1.2	26
32	First draft genome assembly of the desert locust, Schistocerca gregaria. F1000Research, 2020, 9, 775.	0.8	24
33	Pharmacological and signalling properties of a D2-like dopamine receptor (Dop3) in Tribolium castaneum. Insect Biochemistry and Molecular Biology, 2015, 56, 9-20.	1.2	23
34	Characterisation of a functional allatotropin receptor in the bumblebee, Bombus terrestris (Hymenoptera, Apidae). General and Comparative Endocrinology, 2013, 193, 193-200.	0.8	20
35	Signalling properties and pharmacology of a 5â€<scp>HT</scp>₇â€type serotonin receptor from <scp>T</scp>ribolium castaneum. Insect Molecular Biology, 2014, 23, 230-243.	1.0	19
36	Signaling Properties and Pharmacological Analysis of Two Sulfakinin Receptors from the Red Flour Beetle, Tribolium castaneum. PLoS ONE, 2014, 9, e94502.	1.1	16

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37	Characterization of the adipokinetic hormone receptor of the anautogenous flesh fly, Sarcophaga crassipalpis. Journal of Insect Physiology, 2016, 89, 52-59.	0.9	15
38	Molecular cloning and characterization of the SIFamide precursor and receptor in a hymenopteran insect, Bombus terrestris. General and Comparative Endocrinology, 2018, 258, 39-52.	0.8	15
39	Molecular cloning and characterization of the allatotropin precursor and receptor in the desert locust, Schistocerca gregaria. Frontiers in Neuroscience, 2015, 9, 84.	1.4	14
40	Drosha, Dicer-1 and Argonaute-1 in the desert locust: Phylogenetic analyses, transcript profiling and regulation during phase transition and feeding. Journal of Insect Physiology, 2015, 75, 20-29.	0.9	12
41	Developmentalâ€•and foodâ€dependent foraging transcript levels in the desert locust. Insect Science, 2013, 20, 679-688.	1.5	11
42	Schistocerca neuropeptides â€“ An update. Journal of Insect Physiology, 2022, 136, 104326.	0.9	10
43	Conformational analysis of a cyclic AKH neuropeptide analog that elicits selective activity on locust versus honeybee receptor. Insect Biochemistry and Molecular Biology, 2020, 125, 103362.	1.2	6
44	Can BRET-based biosensors be used to characterize G-protein mediated signaling pathways of an insect GPCR, the Schistocerca gregaria CRF-related diuretic hormone receptor?. Insect Biochemistry and Molecular Biology, 2020, 122, 103392.	1.2	3
45	The phenotypic plasticity of swarm formation in the Desert Locust: Mechanisms and consequences. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2009, 153, S156.	0.8	0