

# Neil Audsley

## List of Publications by Year in descending order

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57  
papers

1,841  
citations

236925

25  
h-index

276875

41  
g-index

58  
all docs

58  
docs citations

58  
times ranked

1584  
citing authors

#	ARTICLE	IF	CITATIONS
1	G protein coupled receptors as targets for next generation pesticides. <i>Insect Biochemistry and Molecular Biology</i> , 2015, 67, 27-37.	2.7	176
2	MIPs are ancestral ligands for the sex peptide receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6520-6525.	7.1	147
3	Neuropeptides of the beetle, <i>Tenebrio molitor</i> identified using MALDI-TOF mass spectrometry and deduced sequences from the <i>Tribolium castaneum</i> genome. <i>Peptides</i> , 2008, 29, 168-178.	2.4	83
4	Fusion proteins containing neuropeptides as novel insect control agents: snowdrop lectin delivers fused allatostatin to insect haemolymph following oral ingestion. <i>Insect Biochemistry and Molecular Biology</i> , 2002, 32, 1653-1661.	2.7	78
5	Proteomic identification of <i>Drosophila melanogaster</i> male accessory gland proteins, including a pro-cathepsin and a soluble gamma-glutamyl transpeptidase. <i>Proteome Science</i> , 2006, 4, 9.	1.7	73
6	Towards a comprehensive view of the primary structure of venom proteins from the parasitoid wasp <i>Pimpla hypochondriaca</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2004, 34, 565-571.	2.7	67
7	Juvenile hormone biosynthesis by corpora allata of larval tomato moth, <i>Lacanobia oleracea</i> , and regulation by <i>Manduca sexta</i> allatostatin and allatotropin. <i>Insect Biochemistry and Molecular Biology</i> , 2000, 30, 681-689.	2.7	60
8	Cross reactivity studies of CRF-related peptides on insect Malpighian tubules. <i>Comparative Biochemistry and Physiology A, Comparative Physiology</i> , 1995, 110, 87-93.	0.6	59
9	Analysis of peptides in the brain and corpora cardiaca of corpora allata of the honey bee, <i>Apis mellifera</i> using MALDI-TOF mass spectrometry. <i>Peptides</i> , 2006, 27, 512-520.	2.4	59
10	Further Screening of Entomopathogenic Fungi and Nematodes as Control Agents for <i>Drosophila suzukii</i> . <i>Insects</i> , 2016, 7, 24.	2.2	59
11	Preliminary Screening of Potential Control Products against <i>Drosophila suzukii</i> . <i>Insects</i> , 2014, 5, 488-498.	2.2	58
12	Functional Characterization and Signaling Systems of Corazonin and Red Pigment Concentrating Hormone in the Green Shore Crab, <i>Carcinus maenas</i> . <i>Frontiers in Neuroscience</i> , 2017, 11, 752.	2.8	53
13	The insecticidal activity of recombinant garlic lectins towards aphids. <i>Insect Biochemistry and Molecular Biology</i> , 2008, 38, 905-915.	2.7	51
14	Efficacy of Commercially Available Invertebrate Predators against <i>Drosophila suzukii</i> . <i>Insects</i> , 2014, 5, 952-960.	2.2	39
15	Enzyme linked immunosorbent assay for <i>Manduca sexta</i> allatostatin (Mas-AS), isolation and measurement of Mas-AS immunoreactive peptide in <i>Lacanobia oleracea</i> . <i>Insect Biochemistry and Molecular Biology</i> , 1998, 28, 775-784.	2.7	38
16	Predicted versus expressed adipokinetic hormones, and other small peptides from the corpus cardiacum of corpus allatum: A case study with beetles and moths. <i>Peptides</i> , 2008, 29, 1124-1139.	2.4	38
17	The sexual dimorphic behaviour of adult <i>Drosophila suzukii</i> : elevated female locomotor activity and loss of siesta is a post-mating response. <i>Journal of Experimental Biology</i> , 2015, 218, 3855-61.	1.7	38
18	Characterisation and tissue distribution of the PISCF allatostatin receptor in the red flour beetle, <i>Tribolium castaneum</i> . <i>Insect Biochemistry and Molecular Biology</i> , 2013, 43, 65-74.	2.7	35

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19	Identification of neuropeptides from brains of larval <i>Manduca sexta</i> and <i>Lacanobia oleracea</i> using MALDI-TOF mass spectrometry and post-source decay. <i>Peptides</i> , 2003, 24, 1465-1474.	2.4	34
20	Neuropeptides associated with the frontal ganglion of larval Lepidoptera. <i>Peptides</i> , 2005, 26, 11-21.	2.4	31
21	Morphological and physiological comparisons of two types of allatostatin in the brain and retrocerebral complex of the tomato moth, <i>Lacanobia oleracea</i> (Lepidoptera: Noctuidae). <i>Journal of Comparative Neurology</i> , 2000, 424, 37-46.	1.6	30
22	In vivo effects of <i>Manduca sexta</i> allatostatin and allatotropin on larvae of the tomato moth, <i>Lacanobia oleracea</i> . <i>Physiological Entomology</i> , 2001, 26, 181-188.	1.5	30
23	A comparison of the neuropeptides from the retrocerebral complex of adult male and female <i>Manduca sexta</i> using MALDI-TOF mass spectrometry. <i>Regulatory Peptides</i> , 2003, 116, 127-137.	1.9	30
24	Allatostatins and allatotropin in the corpus cardiacum/corpus allatum complex of larval and adult lepidopterans studied by confocal laser scanning microscopy: correlation to juvenile hormone biosynthesis. <i>Cell and Tissue Research</i> , 2003, 314, 281-295.	2.9	28
25	Screening method for the addition of bovine blood-based binding agents to food using liquid chromatography triple quadrupole mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 2919-2925.	1.5	28
26	The host-seeking inhibitory peptide, Aea-HP-1, is made in the male accessory gland and transferred to the female during copulation. <i>Peptides</i> , 2012, 34, 150-157.	2.4	27
27	The ectoparasitic wasp <i>Eulophus pennicornis</i> (Hymenoptera: Eulophidae) uses instar-specific endocrine disruption strategies to suppress the development of its host <i>Lacanobia oleracea</i> (Lepidoptera: Noctuidae). <i>Journal of Insect Physiology</i> , 2006, 52, 1153-1162.	2.0	24
28	Metabolic inactivation of the circadian transmitter, pigment dispersing factor (PDF), by neprilysin-like peptidases in <i>Drosophila</i> . <i>Journal of Experimental Biology</i> , 2007, 210, 4465-4470.	1.7	24
29	Neuropeptides associated with the central nervous system of the cabbage root fly, <i>Delia radicum</i> (L). <i>Peptides</i> , 2011, 32, 434-440.	2.4	23
30	Genomic and peptidomic analyses of the neuropeptides from the emerging pest, <i>Drosophila suzukii</i> . <i>Peptides</i> , 2015, 68, 33-42.	2.4	23
31	The Significance of <i>Manduca sexta</i> Allatostatin in the Tomato Moth <i>Lacanobia oleracea</i> . <i>Annals of the New York Academy of Sciences</i> , 1999, 897, 330-341.	3.8	22
32	Effects of <i>Manduca sexta</i> allatostatin and an analog on the pea aphid <i>Acyrtosiphon pisum</i> (Hemiptera: Tj ETQq0 0 0 rgBT /Overlock 10	2.4	22
33	Method to screen for the addition of porcine blood-based binding products to foods using liquid chromatography/triple quadrupole mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2008, 22, 2006-2008.	1.5	21
34	Adipokinetic hormones (AKHs) of sphingid Lepidoptera, including the identification of a second <i>M. sexta</i> AKH. <i>Peptides</i> , 2012, 34, 44-50.	2.4	19
35	Signal transduction for <i>Schistocerca gregaria</i> ion transport peptide is mediated via both cyclic AMP and cyclic GMP. <i>Peptides</i> , 2013, 41, 74-80.	2.4	19
36	Expression of NEP2, a soluble neprilysin-like endopeptidase, during embryogenesis in <i>Drosophila melanogaster</i> . <i>Peptides</i> , 2007, 28, 127-135.	2.4	18

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37	Effects of <i>Manduca sexta</i> allatostatin and an analogue on the peach potato aphid <i>Myzus persicae</i> (hemiptera: aphididae) and degradation by enzymes in the aphid gut. Archives of Insect Biochemistry and Physiology, 2010, 75, 139-157.	1.5	18
38	Identification of Myotropic Neuropeptides from the Brain and Corpus Cardiacum-Corpus Allatum Complex of the Beetle, <i>Zophobas atratus</i> . Journal of Insect Science, 2010, 10, 1-19.	1.5	16
39	The role of allatostatic and allatotropic neuropeptides in the regulation of juvenile hormone biosynthesis in <i>Lacanobia oleracea</i> (Lepidoptera: Noctuidae). Peptides, 2001, 22, 255-261.	2.4	15
40	New myotropic and metabotropic actions of pyrokinins in tenebrionid beetles. General and Comparative Endocrinology, 2012, 177, 263-269.	1.8	14
41	Metabolism of <i>Manduca sexta</i> allatostatin by hemolymph of larvae of the tomato moth, <i>Lacanobia oleracea</i> . Peptides, 2002, 23, 717-723.	2.4	13
42	Degradation of <i>Manduca sexta</i> allatostatin and allatotropin by proteases associated with the foregut of <i>Lacanobia oleracea</i> larvae. Peptides, 2002, 23, 2015-2023.	2.4	12
43	Transepithelial flux of an allatostatin and analogs across the anterior midgut of <i>Manduca sexta</i> larvae in vitro. Peptides, 2008, 29, 286-294.	2.4	12
44	Oral activity of FMRamide-related peptides on the pea aphid <i>Acyrtosiphon pisum</i> (Hemiptera: Homoptera). Journal of Insect Science, 2010, 10, 1-19.	1.9	11
45	Identification and localisation of selected myotropic neuropeptides in the ventral nerve cord of tenebrionid beetles. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 2013, 166, 44-51.	1.8	11
46	In vitro transport of an allatostatin across the foregut of <i>Manduca sexta</i> larvae and metabolism by the gut and hemolymph. Peptides, 2007, 28, 136-145.	2.4	10
47	Peptidergic control in a fruit crop pest: The spotted-wing drosophila, <i>Drosophila suzukii</i> . PLoS ONE, 2017, 12, e0188021.	2.5	9
48	The degradome and the evolution of <i>Drosophila</i> sex peptide as a ligand for the MIP receptor. Peptides, 2014, 53, 258-264.	2.4	7
49	Evaluation of Chemical Strategies for Improving the Stability and Oral Toxicity of Insecticidal Peptides. Biomedicines, 2018, 6, 90.	3.2	7
50	Metabolism of cydiastatin 4 and analogues by enzymes associated with the midgut and haemolymph of <i>Manduca sexta</i> larvae. General and Comparative Endocrinology, 2007, 153, 80-87.	1.8	6
51	The potential use of allacin as a biopesticide for the control of the house fly, <i>Musca domestica</i> L.. International Journal of Pest Management, 2016, 62, 111-118.	1.8	6
52	Endopeptidase activity of larval <i>Lacanobia oleracea</i> corpus allatum: Metabolism of <i>Manduca sexta</i> allatostatin and allatotropin. Archives of Insect Biochemistry and Physiology, 2004, 57, 178-189.	1.5	4
53	The structure of the <i>Drosophila melanogaster</i> sex peptide: Identification of hydroxylated isoleucine and a strain variation in the pattern of amino acid hydroxylation. Insect Biochemistry and Molecular Biology, 2020, 124, 103414.	2.7	3
54	role for myosuppressin. General and Comparative Endocrinology, 2019, 278, 50-57.	1.8	1

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55	MALDI-TOF Mass Spectrometry Approaches to the Characterisation of Insect Neuropeptides. <i>Methods in Molecular Biology</i> , 2010, 615, 101-115.	0.9	1
56	Mass spectrometric characterisation of the major peptides of the male ejaculatory duct, including a glycopeptide with an unusual zwitterionic glycosylation. <i>Journal of Proteomics</i> , 2021, 246, 104307.	2.4	0
57	<i>In silico</i> identification of neurohormones and neuropeptides and their G protein-coupled receptors in the sheep scab mite <i>Psoroptes ovis</i> : potential targets for alternative control strategies. <i>International Journal of Acarology</i> , 2022, 48, 300-323.	0.7	0