

# Christian Wegener

## List of Publications by Year in descending order

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Version: 2024-02-01

59  
papers

2,683  
citations

218381  
26  
h-index

197535  
49  
g-index

69  
all docs

69  
docs citations

69  
times ranked

2370  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | A comparative review of short and long neuropeptide F signaling in invertebrates: Any similarities to vertebrate neuropeptide Y signaling?. <i>Peptides</i> , 2011, 32, 1335-1355.   | 1.2  | 271       |
| 2  | Unique features of a global human ectoparasite identified through sequencing of the bed bug genome. <i>Nature Communications</i> , 2016, 7, 10165.   | 5.8  | 184       |
| 3  | Peptidomics of CNS-associated neurohemal systems of adult <i>Drosophila melanogaster</i> : A mass spectrometric survey of peptides from individual flies. <i>Journal of Comparative Neurology</i> , 2004, 474, 379-392.  | 0.9  | 170       |
| 4  | Biology of the CAPA peptides in insects. <i>Cellular and Molecular Life Sciences</i> , 2006, 63, 2477-2490.  | 2.4  | 158       |
| 5  | A large population of diverse neurons in the <i>Drosophila</i> central nervous system expresses short neuropeptide F, suggesting multiple distributed peptide functions. <i>BMC Neuroscience</i> , 2008, 9, 90.  | 0.8  | 136       |
| 6  | Direct mass spectrometric peptide profiling and fragmentation of larval peptide hormone release sites in <i>Drosophila melanogaster</i> reveals tagma-specific peptide expression and differential processing. <i>Journal of Neurochemistry</i> , 2006, 96, 1362-1374. | 2.1  | 104       |
| 7  | Allatostatin A Signalling in <i>Drosophila</i> Regulates Feeding and Sleep and Is Modulated by PDF. <i>PLoS Genetics</i> , 2016, 12, e1006346.   | 1.5  | 102       |
| 8  | Peptidomics and Peptide Hormone Processing in the <i>Drosophila</i> Midgut. <i>Journal of Proteome Research</i> , 2011, 10, 1881-1892.   | 1.8  | 95        |
| 9  | Central and peripheral clocks are coupled by a neuropeptide pathway in <i>Drosophila</i> . <i>Nature Communications</i> , 2017, 8, 15563.  | 5.8  | 90        |
| 10 | Acetylcholine Increases Intracellular Ca <sup>2+</sup> Via Nicotinic Receptors in Cultured PDF-Containing Clock Neurons of <i>Drosophila</i> . <i>Journal of Neurophysiology</i> , 2004, 91, 912-923.  | 0.9  | 80        |
| 11 | SIFamide Translates Hunger Signals into Appetitive and Feeding Behavior in <i>Drosophila</i> . <i>Cell Reports</i> , 2017, 20, 464-478.  | 2.9  | 78        |
| 12 | GABA modulates <i>Drosophila</i> circadian clock neurons via GABAB receptors and decreases in calcium. <i>Journal of Neurobiology</i> , 2005, 65, 225-240.   | 3.7  | 76        |
| 13 | Molecular evolution of neuropeptides in the genus <i>Drosophila</i> . <i>Genome Biology</i> , 2008, 9, R131.   | 13.9 | 66        |
| 14 | Neuroarchitecture of Peptidergic Systems in the Larval Ventral Ganglion of <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2007, 2, e695.   | 1.1  | 58        |
| 15 | Neuroarchitecture of Aminergic Systems in the Larval Ventral Ganglion of <i>Drosophila melanogaster</i> . <i>PLoS ONE</i> , 2008, 3, e1848.  | 1.1  | 53        |
| 16 | Peptidergic signaling from clock neurons regulates reproductive dormancy in <i>Drosophila melanogaster</i> . <i>PLoS Genetics</i> , 2019, 15, e1008158.  | 1.5  | 52        |
| 17 | The periviscerokinin (PVK) peptide family in insects: evidence for the inclusion of CAP2b as a PVK family member. <i>Peptides</i> , 2002, 23, 605-611.   | 1.2  | 48        |
| 18 | Neuropeptidomics of the Carpenter Ant <i>Camponotus floridanus</i> . <i>Journal of Proteome Research</i> , 2015, 14, 1504-1514.  | 1.8  | 47        |

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|----|--|-----|-----------|
| 19 | Peptidomics and processing of regulatory peptides in the fruit fly <i>Drosophila</i> . <i>EuPA Open Proteomics</i> , 2014, 3, 114-127.   | 2.5 | 46        |
| 20 | Peptidomics of the Agriculturally Damaging Larval Stage of the Cabbage Root Fly <i>Delia radicum</i> (Diptera: Anthomyiidae). <i>PLoS ONE</i> , 2012, 7, e41543.   | 1.1 | 42        |
| 21 | The Proprotein Convertase Encoded by <i>amontillado</i> ( <i>amon</i> ) Is Required in <i>Drosophila</i> Corpora Cardiaca Endocrine Cells Producing the Glucose Regulatory Hormone AKH. <i>PLoS Genetics</i> , 2010, 6, e1000967.            | 1.5 | 39        |
| 22 | Morphology and metamorphosis of the peptidergic Va neurons and the median nerve system of the fruit fly, <i>Drosophila melanogaster</i> . <i>Cell and Tissue Research</i> , 2006, 326, 187-199.  | 1.5 | 37        |
| 23 | Peptide-Induced Ca <sup>2+</sup> Movements in a Tonic Insect Muscle: Effects of Proctolin and Periviscerokinin-2. <i>Journal of Neurophysiology</i> , 2000, 84, 3056-3066.   | 0.9 | 35        |
| 24 | Neuropeptidomics of the Bed Bug <i>Cimex lectularius</i> . <i>Journal of Proteome Research</i> , 2018, 17, 440-454.  | 1.8 | 35        |
| 25 | Reward signaling in a recurrent circuit of dopaminergic neurons and peptidergic Kenyon cells. <i>Nature Communications</i> , 2019, 10, 3097.   | 5.8 | 34        |
| 26 | Stereotyped responses of <i>Drosophila</i> peptidergic neuronal ensemble depend on downstream neuromodulators. <i>ELife</i> , 2016, 5, .   | 2.8 | 34        |
| 27 | Deficiency of prohormone convertase dPC2 (AMONTILLADO) results in impaired production of bioactive neuropeptide hormones in <i>Drosophila</i> . <i>Journal of Neurochemistry</i> , 2011, 118, 581-595.                                       | 2.1 | 32        |
| 28 | Potency of Transgenic Effectors for Neurogenetic Manipulation in <i>Drosophila</i> Larvae. <i>Genetics</i> , 2015, 199, 25-37.   | 1.2 | 32        |
| 29 | Chemical identity, function and regulation of enteroendocrine peptides in insects. <i>Current Opinion in Insect Science</i> , 2015, 11, 8-13.  | 2.2 | 32        |
| 30 | A neuroendocrine pathway modulating osmotic stress in <i>Drosophila</i> . <i>PLoS Genetics</i> , 2021, 17, e1009425.   | 1.5 | 31        |
| 31 | Identification and distribution of SIFamide in the nervous system of the desert locust <i>Schistocerca gregaria</i> . <i>Journal of Comparative Neurology</i> , 2015, 523, 108-125.  | 0.9 | 28        |
| 32 | Neurotransmitter-induced changes in the intracellular calcium concentration suggest a differential central modulation of CCAP neuron subsets in <i>Drosophila</i> . <i>Developmental Neurobiology</i> , 2007, 67, 792-808.                   | 1.5 | 26        |
| 33 | Direct peptide profiling of lateral cell groups of the antennal lobes of <i>Manduca sexta</i> reveals specific composition and changes in neuropeptide expression during development. <i>Developmental Neurobiology</i> , 2007, 67, 764-777. | 1.5 | 25        |
| 34 | Comparative Neuroanatomy and Genomics of <i>hugin</i> and Pheromone Biosynthesis Activating Neuropeptide (PBAN). <i>Fly</i> , 2007, 1, 228-231.  | 0.9 | 24        |
| 35 | Transcriptomic, peptidomic, and mass spectrometry imaging analysis of the brain in the ant <i>Cataglyphis nodus</i> . <i>Journal of Neurochemistry</i> , 2021, 158, 391-412.   | 2.1 | 21        |
| 36 | Loss of function in the <i>Drosophila</i> clock gene <i>period</i> results in altered intermediary lipid metabolism and increased susceptibility to starvation. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 4939-4956.           | 2.4 | 19        |

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|----|--|-----|-----------|
| 37 | A simple purification protocol for the detection of peptide hormones in the hemolymph of individual insects by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2007, 21, 23-28. | 0.7 | 18        |
| 38 | Direct MALDI-TOF Mass Spectrometric Peptide Profiling of Neuroendocrine Tissue of <i>Drosophila</i> . <i>Methods in Molecular Biology</i> , 2010, 615, 117-127.  | 0.4 | 18        |
| 39 | Periviscerokinins in Cockroaches: Release, Localization, and Taxon-Specific Action on the Hyperneural Muscle. <i>General and Comparative Endocrinology</i> , 2001, 121, 1-12.  | 0.8 | 17        |
| 40 | Individual carboxypeptidase D domains have both redundant and unique functions in <i>Drosophila</i> development and behavior. <i>Cellular and Molecular Life Sciences</i> , 2010, 67, 2991-3004.   | 2.4 | 17        |
| 41 | Functional significance of the copper transporter ATP7 in peptidergic neurons and endocrine cells in <i>Drosophila melanogaster</i> . <i>FEBS Letters</i> , 2012, 586, 3633-3638.  | 1.3 | 17        |
| 42 | Neuropeptides in the desert ant <i>Cataglyphis fortis</i> : Mass spectrometric analysis, localization, and age-related changes. <i>Journal of Comparative Neurology</i> , 2017, 525, 901-918.  | 0.9 | 15        |
| 43 | Quantification of periviscerokinin-1 in the nervous system of the American cockroach, <i>Periplaneta americana</i> : An insect neuropeptide with unusual distribution. <i>Archives of Insect Biochemistry and Physiology</i> , 1999, 40, 203-211.                | 0.6 | 14        |
| 44 | Direct Peptide Profiling of Brain Tissue by MALDI-TOF Mass Spectrometry. <i>Methods in Molecular Biology</i> , 2010, 615, 129-135.   | 0.4 | 13        |
| 45 | Anatomical characterization of PDF neurons and peptidergic neurons associated with eclosion behavior in <i>Drosophila</i> . <i>Journal of Comparative Neurology</i> , 2018, 526, 1307-1328.  | 0.9 | 12        |
| 46 | Adaptation of <i>Drosophila melanogaster</i> to Long Photoperiods of High-Latitude Summers Is Facilitated by the <i>Timeless</i> Allele. <i>Journal of Biological Rhythms</i> , 2022, 37, 185-201.   | 1.4 | 12        |
| 47 | Chronobiological analysis and mass spectrometric characterization of pigment-dispersing factor in the cockroach <i>Leucophaea maderae</i> . <i>Journal of Insect Science</i> , 2005, 5, 43.  | 0.6 | 11        |
| 48 | Diverse in- and output polarities and high complexity of local synaptic and non-synaptic signaling within a chemically defined class of peptidergic <i>Drosophila</i> neurons. <i>Frontiers in Neural Circuits</i> , 2013, 7, 127.                               | 1.4 | 11        |
| 49 | ER-Ca <sup>2+</sup> sensor STIM regulates neuropeptides required for development under nutrient restriction in <i>Drosophila</i> . <i>PLoS ONE</i> , 2019, 14, e0219719.   | 1.1 | 9         |
| 50 | WEclMon – A simple and robust camera-based system to monitor <i>Drosophila</i> eclosion under optogenetic manipulation and natural conditions. <i>PLoS ONE</i> , 2017, 12, e0180238.   | 1.1 | 7         |
| 51 | Endocrine signals fine-tune daily activity patterns in <i>Drosophila</i> . <i>Current Biology</i> , 2021, 31, 4076-4087.e5.  | 1.8 | 7         |
| 52 | <i>Drosophila</i> carboxypeptidase D ( <i>SILVER</i> ) is a key enzyme in neuropeptide processing required to maintain locomotor activity levels and survival rate. <i>European Journal of Neuroscience</i> , 2019, 50, 3502-3519.                               | 1.2 | 5         |
| 53 | Identification and Structural Characterization of Interneurons of the <i>Drosophila</i> Brain by Monoclonal Antibodies of the WÄrzburg Hybridoma Library. <i>PLoS ONE</i> , 2013, 8, e75420.   | 1.1 | 4         |
| 54 | Metabolic Labeling to Quantify <i>Drosophila</i> Neuropeptides and Peptide Hormones. <i>Methods in Molecular Biology</i> , 2018, 1719, 175-185.  | 0.4 | 3         |

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|----|---|-----|-----------|
| 55 | Natural Zeitgebers Under Temperate Conditions Cannot Compensate for the Loss of a Functional Circadian Clock in Timing of a Vital Behavior in <i>Drosophila</i> . <i>Journal of Biological Rhythms</i> , 2021, 36, 271-285. | 1.4 | 3         |
| 56 | Prädation an der Weichwanzen-Art <i>Notostira elongata</i> (Heteroptera: Miridae) durch Nabidae (Heteroptera) und ausgewählte nicht-netzbauende Spinnen (Araneae). <i>Entomologia Generalis</i> , 1998, 22, 295-304.        | 1.1 | 3         |
| 57 | Allatostatin A Signalling: Progress and New Challenges From a Paradigmatic Pleiotropic Invertebrate Neuropeptide Family. <i>Frontiers in Physiology</i> , 0, 13, .  | 1.3 | 3         |
| 58 | Title is missing!. , 2019, 14, e0219719.  |     | 0         |
| 59 | Title is missing!. , 2019, 14, e0219719.  |     | 0         |