# Cornelis J P Grimmelikhuijzen

List of Publications by Year
in descending order



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|---|---|---|---|
| 69 papers | 9,441 citations | 53660 45 h-index | 98622 67 g-index |
| 70 all docs | 70 docs citations | 70 times ranked | 7748 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Neuropeptide expression in the box jellyfish Tripedalia cystophoraâ€"New insights into the complexity of a â€œsimpleâ€•nervous system. Journal of Comparative Neurology, 2021, 529, 2865-2882. | 0.9 | 9 |
| 2 | An evolutionary genomics view on neuropeptide genes in Hydrozoa and Endocnidozoa (Myxozoa). BMC Genomics, 2021, 22, 862. | 1.2 | 4 |
| 3 | A comparative genomics study of neuropeptide genes in the cnidarian subclasses Hexacorallia and Ceriantharia. BMC Genomics, 2020, 21, 666. | 1.2 | 18 |
| 4 | Sawfly Genomes Reveal Evolutionary Acquisitions That Fostered the Mega-Radiation of Parasitoid and Eusocial Hymenoptera. Genome Biology and Evolution, 2020, 12, 1099-1188. | 1.1 | 17 |
| 5 | De novo transcriptome assembly of the cubomedusa Tripedalia cystophora, including the analysis of a set of genes involved in peptidergic neurotransmission. BMC Genomics, 2019, 20, 175. | 1.2 | 35 |
| 6 | Global Neuropeptide Annotations From the Genomes and Transcriptomes of Cubozoa, Scyphozoa, Staurozoa (Cnidaria: Medusozoa), and Octocorallia (Cnidaria: Anthozoa). Frontiers in Endocrinology, 2019, 10, 831. | 1.5 | 31 |
| 7 | Multifaceted biological insights from a draft genome sequence of the tobacco hornworm moth, Manduca sexta. Insect Biochemistry and Molecular Biology, 2016, 76, 118-147. | 1.2 | 154 |
| 8 | Adipokinetic hormones and their G protein-coupled receptors emerged in Lophotrochozoa. Scientific Reports, 2016, 6, 32789. | 1.6 | 51 |
| 9 | Genomic insights into the Ixodes scapularis tick vector of Lyme disease. Nature Communications, 2016, 7, 10507. | 5.8 | 450 |
| 10 | CCHamide-2 Is an Orexigenic Brain-Gut Peptide in Drosophila. PLoS ONE, 2015, 10, e0133017. | 1.1 | 91 |
| 11 | The A- and B-type muscarinic acetylcholine receptors from Drosophila melanogaster couple to different second messenger pathways. Biochemical and Biophysical Research Communications, 2015, 462, 358-364. | 1.0 | 40 |
| 12 | The genomes of two key bumblebee species with primitive eusocial organization. Genome Biology, 2015, 16, 76. | 3.8 | 330 |
| 13 | Genomic signatures of evolutionary transitions from solitary to group living. Science, 2015, 348, 1139-1143. | 6.0 | 357 |
| 14 | The First Myriapod Genome Sequence Reveals Conservative Arthropod Gene Content and Genome Organisation in the Centipede Strigamia maritima. PLoS Biology, 2014, 12, e1002005. | 2.6 | 221 |
| 15 | Evolution of the AKH/corazonin/ACP/GnRH receptor superfamily and their ligands in the Protostomia. General and Comparative Endocrinology, 2014, 209, 35-49. | 0.8 | 131 |
| 16 | Neuropeptidome of Tribolium castaneum antennal lobes and mushroom bodies. Journal of Comparative Neurology, 2014, 522, 337-357. | 0.9 | 22 |
| 17 | Complementary symbiont contributions to plant decomposition in a fungus-farming termite. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 14500-14505. | 3.3 | 243 |
| 18 | Two types of muscarinic acetylcholine receptors in Drosophila and other arthropods. Cellular and Molecular Life Sciences, 2013, 70, 3231-3242. | 2.4 | 63 |

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|---|---|---|---|
| 19 | Arthropod Genomics and Pest Management Targeting GPCRs. , 2013, , 165-177. | | 3 |
| 20 | Expression Patterns of the Drosophila Neuropeptide CCHamide-2 and Its Receptor May Suggest Hormonal Signaling from the Gut to the Brain. PLoS ONE, 2013, 8, e76131. | 1.1 | 45 |
| 21 | Isolation and Functional Characterization of Calcitonin-Like Diuretic Hormone Receptors in Rhodnius prolixus. PLoS ONE, 2013, 8, e82466. | 1.1 | 40 |
| 22 | Mini-review: The evolution of neuropeptide signaling. Regulatory Peptides, 2012, 177, S6-S9. | 1.9 | 122 |
| 23 | Genomics, Transcriptomics, and Peptidomics ofDaphnia pulexNeuropeptides and Protein Hormones. Journal of Proteome Research, 2011, 10, 4478-4504. | 1.8 | 179 |
| 24 | The Drosophila genes CG14593 and CG30106 code for G-protein-coupled receptors specifically activated by the neuropeptides CCHamide-1 and CCHamide-2. Biochemical and Biophysical Research Communications, 2011, 404, 184-189. | 1.0 | 80 |
| 25 | Identification of the Drosophila and Tribolium receptors for the recently discovered insect RYamide neuropeptides. Biochemical and Biophysical Research Communications, 2011, 412, 578-583. | 1.0 | 38 |
| 26 | RNA interference in Lepidoptera: An overview of successful and unsuccessful studies and implications for experimental design. Journal of Insect Physiology, 2011, 57, 231-245. | 0.9 | 729 |
| 27 | The genome of the leaf-cutting antAcromyrmex echinatiorsuggests key adaptations to advanced social life and fungus farming. Genome Research, 2011, 21, 1339-1348. | 2.4 | 210 |
| 28 | Three Homologous Subunits Form a High Affinity Peptide-gated Ion Channel in Hydra. Journal of Biological Chemistry, 2010, 285, 11958-11965. | 1.6 | 54 |
| 29 | Discovery of a Novel Insect Neuropeptide Signaling System Closely Related to the Insect Adipokinetic Hormone and Corazonin Hormonal Systems. Journal of Biological Chemistry, 2010, 285, 10736-10747. | 1.6 | 163 |
| 30 | Genomics and Peptidomics of Neuropeptides and Protein Hormones Present in the Parasitic Wasp Nasonia vitripennis. Journal of Proteome Research, 2010, 9, 5296-5310. | 1.8 | 167 |
| 31 | Functional and Evolutionary Insights from the Genomes of Three Parasitoid Nasonia Species. Science, 2010, 327, 343-348. | 6.0 | 808 |
| 32 | Genomics, transcriptomics, and peptidomics of neuropeptides and protein hormones in the red flour beetle Tribolium castaneum. Genome Research, 2008, 18, 113-122. | 2.4 | 359 |
| 33 | The genome of the model beetle and pest Tribolium castaneum. Nature, 2008, 452, 949-955. | 13.7 | 1,255 |
| 34 | A genome-wide inventory of neurohormone GPCRs in the red flour beetle Tribolium castaneum. Frontiers in Neuroendocrinology, 2008, 29, 142-165. | 2.5 | 221 |
| 35 | Cloning and identification of an oxytocin/vasopressin-like receptor and its ligand from insects. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3262-3267. | 3.3 | 154 |
| 36 | A Peptide-gated Ion Channel from the Freshwater Polyp Hydra. Journal of Biological Chemistry, 2007, 282, 35098-35103. | 1.6 | 97 |

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|---|---|---|---|
| 37 | Identification of one capa and two pyrokinin receptors from the malaria mosquito Anopheles gambiae. Biochemical and Biophysical Research Communications, 2007, 362, 245-251. | 1.0 | 69 |
| 38 | The promise of insect genomics. Pest Management Science, 2007, 63, 413-416. | 1.7 | 41 |
| 39 | Molecular identification of the first SIFamide receptor. Biochemical and Biophysical Research Communications, 2006, 340, 696-701. | 1.0 | 58 |
| 40 | Cloning and characterization of the adipokinetic hormone receptor from the cockroach Periplaneta americana. Biochemical and Biophysical Research Communications, 2006, 343, 638-643. | 1.0 | 45 |
| 41 | Identification of four evolutionarily related G protein-coupled receptors from the malaria mosquito Anopheles gambiae. Biochemical and Biophysical Research Communications, 2006, 344, 160-165. | 1.0 | 79 |
| 42 | A review of neurohormone GPCRs present in the fruitfly Drosophila melanogaster and the honey bee Apis mellifera. Progress in Neurobiology, 2006, 80, 1-19. | 2.8 | 279 |
| 43 | Identifying neuropeptide and protein hormone receptors in Drosophila melanogaster by exploiting genomic data. Briefings in Functional Genomics & Proteomics, 2006, 4, 321-330. | 3.8 | 63 |
| 44 | Molecular identification of a myosuppressin receptor from the malaria mosquito Anopheles gambiae. Biochemical and Biophysical Research Communications, 2005, 327, 29-34. | 1.0 | 25 |
| 45 | The Drosophila gene CG9918 codes for a pyrokinin-1 receptor. Biochemical and Biophysical Research Communications, 2005, 335, 14-19. | 1.0 | 114 |
| 46 | A new family of insect tyramine receptors. Biochemical and Biophysical Research Communications, 2005, 338, 1189-1196. | 1.0 | 84 |
| 47 | Drosophilamolting neurohormone bursicon is a heterodimer and the natural agonist of the orphan receptor DLGR2. FEBS Letters, 2005, 579, 2171-2176. | 1.3 | 144 |
| 48 | Control of planula migration by LWamide and RFamide neuropeptides in Hydractinia echinata. Journal of Experimental Biology, 2004, 207, 1803-1810. | 0.8 | 52 |
| 49 | Antho-RFamide-containing neurons in the primitive nervous system of the anthozoanRenilla koellikeri. Journal of Comparative Neurology, 2004, 472, 208-220. | 0.9 | 44 |
| 50 | Neuropeptides in Cnidarians. , 2004, , 115-139. | | 20 |
| 51 | Inhibition of metamorphosis by RFamide neuropeptides in planula larvae of Hydractinia echinata. Development Genes and Evolution, 2003, 213, 579-586. | 0.4 | 43 |
| 52 | Molecular cloning, functional expression, and gene silencing of two Drosophila receptors for the Drosophila neuropeptide pyrokinin-2. Biochemical and Biophysical Research Communications, 2003, 309, 485-494. | 1.0 | 77 |
| 53 | Molecular identification of a Drosophila G protein-coupled receptor specific for crustacean cardioactive peptide. Biochemical and Biophysical Research Communications, 2003, 303, 146-152. | 1.0 | 55 |
| 54 | Molecular identification of the first insect proctolin receptor. Biochemical and Biophysical Research Communications, 2003, 306, 437-442. | 1.0 | 34 |

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|---|---|---|---|
| 55 | Molecular cloning and functional expression of the first two specific insect myosuppressin receptors. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 9808-9813. | 3.3 | 86 |
| 56 | Molecular cloning and functional expression of the first insect FMRFamide receptor. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12073-12078. | 3.3 | 117 |
| 57 | Molecular identification of the insect adipokinetic hormone receptors. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3446-3451. | 3.3 | 273 |
| 58 | Molecular cloning and functional expression of a Drosophila receptor for the neuropeptides capa-1 and -2. Biochemical and Biophysical Research Communications, 2002, 299, 628-633. | 1.0 | 104 |
| 59 | Molecular identification of the first insect ecdysis triggering hormone receptors. Biochemical and Biophysical Research Communications, 2002, 299, 924-931. | 1.0 | 74 |
| 60 | A new case of neuropeptide coexpression (RGamide and LWamides) in Hydra , found by whole-mount, two-color double-labeling in situ hybridization. Cell and Tissue Research, 2002, 308, 157-165. | 1.5 | 31 |
| 61 | Three different prohormones yield a variety of Hydra-RFamide (Arg-Phe-NH2) neuropeptides in Hydra magnipapillata. Biochemical Journal, 1998, 332, 403-412. | 1.7 | 62 |
| 62 | Molecular Cloning of a Preprohormone from Hydra magnipapillata Containing Multiple Copies of Hydraâ€ŁWamide (Leuâ€Trpâ€NH<sub>2</sub>) Neuropeptides: Evidence for Processing at Ser and Asn Residues. Journal of Neurochemistry, 1997, 68, 1319-1325. | 2.1 | 48 |
| 63 | Coelenterate Neuropeptides: Structure, Action and Biosynthesis. American Zoologist, 1992, 32, 1-12. | 0.7 | 75 |
| 64 | The presence and distribution of Antho-RFamide-like material in scyphomedusae. Cell and Tissue Research, 1992, 267, 67-74. | 1.5 | 54 |
| 65 | Nerve ring of the hypostome in Hydra. I. Its structure, development, and maintenance. Journal of Comparative Neurology, 1992, 326, 7-21. | 0.9 | 74 |
| 66 | Three Anthozoan Neuropeptides, Antho-RFamide and Antho-RWamides I and II, Modulate Spontaneous Tentacle Contractions in Sea Anemones. Journal of Experimental Biology, 1991, 155, 669-673. | 0.8 | 31 |
| 67 | The release sites and targets of nerve cells immunoreactive to RFamide ? an ultrastructural study ofMicrostomum lineare andDiphyllobothrium dendriticum (Plathelminthes). Zoomorphology, 1990, 109, 303-308. | 0.4 | 16 |
| 68 | Ultrastructural localization of RFamide-like peptides in neuronal dense-cored vesicles in the peduncle ofHydra. The Journal of Experimental Zoology, 1989, 249, 17-22. | 1.4 | 69 |
| 69 | Morphogenetic substances in nerve-depletedhydra. Wilhelm Roux's Archives of Developmental Biology, 1979, 187, 323-328. | 1.4 | 8 |