# Frank MÃ¶hrlen

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8791787/publications.pdf

Version: 2024-02-01

| 30 | 1,305 | 361045 | 476904 |
|---|---|---|---|
| papers | citations | 20 | 29 |
| | | h-index | g-index |

| 30 | 30 | 30 | 1669 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Modulation of Chloride Homeostasis by Inflammatory Mediators in Dorsal Root Ganglion Neurons. Molecular Pain, 2008, 4, 1744-8069-4-32. | 1.0 | 108 |
| 2 | The proteome of rat olfactory sensory cilia. Proteomics, 2009, 9, 322-334. | 1.3 | 105 |
| 3 | Molecular components of signal amplification in olfactory sensory cilia. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 6052-6057. | 3.3 | 99 |
| 4 | Differential maturation of chloride homeostasis in primary afferent neurons of the somatosensory system. International Journal of Developmental Neuroscience, 2007, 25, 479-489. | 0.7 | 78 |
| 5 | The astacin protein family inCaenorhabditis elegans. FEBS Journal, 2003, 270, 4909-4920. | 0.2 | 75 |
| 6 | Proteomic Analysis of a Membrane Preparation from Rat Olfactory Sensory Cilia. Chemical Senses, 2007, 33, 145-162. | 1.1 | 73 |
| 7 | An evolutionary conserved role of Wnt signaling in stem cell fate decision. Developmental Biology, 2006, 289, 91-99. | 0.9 | 71 |
| 8 | Calmodulin-dependent activation and inactivation of anoctamin calcium-gated chloride channels. Journal of General Physiology, 2013, 142, 381-404. | 0.9 | 62 |
| 9 | Caged Capsaicins: New Tools for the Examination of TRPV1 Channels in Somatosensory Neurons. ChemBioChem, 2007, 8, 89-97. | 1.3 | 58 |
| 10 | Characterization of the proteolytic enzymes in the midgut of the European Cockchafer, Melolontha melolontha (Coleoptera: Scarabaeidae). Insect Biochemistry and Molecular Biology, 2002, 32, 803-814. | 1.2 | 56 |
| 11 | Expression patterns of anoctamin 1 and anoctamin 2 chloride channels in the mammalian nose. Cell and Tissue Research, 2012, 347, 327-341. | 1.5 | 52 |
| 12 | Characterization of the astacin family of metalloproteases in C. elegans. BMC Developmental Biology, 2010, 10, 14. | 2.1 | 45 |
| 13 | Evolution of astacin-like metalloproteases in animals and their function in development. Evolution & Development, 2006, 8, 223-231. | 1.1 | 43 |
| 14 | A putative double role of a chitinase in a cnidarian: pattern formation and immunity. Developmental and Comparative Immunology, 2004, 28, 973-981. | 1.0 | 41 |
| 15 | Calmodulin Contributes to Gating Control in Olfactory Calcium-activated Chloride Channels. Journal of General Physiology, 2006, 127, 737-748. | 0.9 | 34 |
| 16 | Neuropeptide receptors provide a signalling pathway for trigeminal modulation of olfactory transduction. European Journal of Neuroscience, 2013, 37, 572-582. | 1.2 | 34 |
| 17 | Targeted Expression of Anoctamin Calcium-Activated Chloride Channels in Rod Photoreceptor Terminals of the Rodent Retina. , 2013, 54, 3126. | | 32 |
| 18 | Activation of pro-astacin. FEBS Journal, 2001, 268, 2540-2546. | 0.2 | 28 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Patterning a multi-headed mutant in Hydractinia: enhancement of head formation and its phenotypic normalization.. International Journal of Developmental Biology, 2004, 48, 9-15. | 0.3 | 28 |
| 20 | Anoctamin Calcium-Activated Chloride Channels May Modulate Inhibitory Transmission in the Cerebellar Cortex. PLoS ONE, 2015, 10, e0142160. | 1.1 | 26 |
| 21 | Protein O-Mannosylation in the Murine Brain: Occurrence of Mono-O-Mannosyl Glycans and Identification of New Substrates. PLoS ONE, 2016, 11, e0166119. | 1.1 | 23 |
| 22 | Distinct Binding Properties Distinguish LQ-Type Calmodulin-Binding Domains in Cyclic Nucleotide-Gated Channels. Biochemistry, 2011, 50, 3221-3228. | 1.2 | 22 |
| 23 | Impaired Motor Coordination and Learning in Mice Lacking Anoctamin 2 Calcium-Gated Chloride Channels. Cerebellum, 2017, 16, 929-937. | 1.4 | 20 |
| 24 | A fragile X mental retardation-like gene in a cnidarian. Gene, 2004, 343, 231-238. | 1.0 | 16 |
| 25 | Tracking of unfamiliar odors is facilitated by signal amplification through anoctamin 2 chloride channels in mouse olfactory receptor neurons. Physiological Reports, 2017, 5, e13373. | 0.7 | 16 |
| 26 | Activation and desensitization of the olfactory cAMP-gated transduction channel: identification of functional modules. Journal of General Physiology, 2009, 134, 397-408. | 0.9 | 15 |
| 27 | Possible role of calcitonin geneâ€related peptide in trigeminal modulation of glomerular microcircuits of the rodent olfactory bulb. European Journal of Neuroscience, 2017, 45, 587-600. | 1.2 | 15 |
| 28 | Cellular distribution and function of ion channels involved in transport processes in rat tracheal epithelium. Physiological Reports, 2017, 5, e13290. | 0.7 | 13 |
| 29 | Bestrophin 2: An anion channel associated with neurogenesis in chemosensory systems. Journal of Comparative Neurology, 2009, 515, 585-599. | 0.9 | 10 |
| 30 | Properties of an optogenetic model for olfactory stimulation. Journal of Physiology, 2016, 594, 3501-3516. | 1.3 | 7 |