

# 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  
papers

1,305  
citations

361045

20  
h-index

476904

29  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1669  
citing authors

#	ARTICLE	IF	CITATIONS
1	Possible role of calcitonin gene-related peptide in trigeminal modulation of glomerular microcircuits of the rodent olfactory bulb. <i>European Journal of Neuroscience</i> , 2017, 45, 587-600.	1.2	15
2	Tracking of unfamiliar odors is facilitated by signal amplification through anoctamin 2 chloride channels in mouse olfactory receptor neurons. <i>Physiological Reports</i> , 2017, 5, e13373.	0.7	16
3	Cellular distribution and function of ion channels involved in transport processes in rat tracheal epithelium. <i>Physiological Reports</i> , 2017, 5, e13290.	0.7	13
4	Impaired Motor Coordination and Learning in Mice Lacking Anoctamin 2 Calcium-Gated Chloride Channels. <i>Cerebellum</i> , 2017, 16, 929-937.	1.4	20
5	Properties of an optogenetic model for olfactory stimulation. <i>Journal of Physiology</i> , 2016, 594, 3501-3516.	1.3	7
6	Protein O-Mannosylation in the Murine Brain: Occurrence of Mono-O-Mannosyl Glycans and Identification of New Substrates. <i>PLoS ONE</i> , 2016, 11, e0166119.	1.1	23
7	Anoctamin Calcium-Activated Chloride Channels May Modulate Inhibitory Transmission in the Cerebellar Cortex. <i>PLoS ONE</i> , 2015, 10, e0142160.	1.1	26
8	Neuropeptide receptors provide a signalling pathway for trigeminal modulation of olfactory transduction. <i>European Journal of Neuroscience</i> , 2013, 37, 572-582.	1.2	34
9	Calmodulin-dependent activation and inactivation of anoctamin calcium-gated chloride channels. <i>Journal of General Physiology</i> , 2013, 142, 381-404.	0.9	62
10	Targeted Expression of Anoctamin Calcium-Activated Chloride Channels in Rod Photoreceptor Terminals of the Rodent Retina. , 2013, 54, 3126.		32
11	Expression patterns of anoctamin 1 and anoctamin 2 chloride channels in the mammalian nose. <i>Cell and Tissue Research</i> , 2012, 347, 327-341.	1.5	52
12	Distinct Binding Properties Distinguish LQ-Type Calmodulin-Binding Domains in Cyclic Nucleotide-Gated Channels. <i>Biochemistry</i> , 2011, 50, 3221-3228.	1.2	22
13	Characterization of the astacin family of metalloproteases in <i>C. elegans</i> . <i>BMC Developmental Biology</i> , 2010, 10, 14.	2.1	45
14	Molecular components of signal amplification in olfactory sensory cilia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6052-6057.	3.3	99
15	Activation and desensitization of the olfactory cAMP-gated transduction channel: identification of functional modules. <i>Journal of General Physiology</i> , 2009, 134, 397-408.	0.9	15
16	Bestrophin 2: An anion channel associated with neurogenesis in chemosensory systems. <i>Journal of Comparative Neurology</i> , 2009, 515, 585-599.	0.9	10
17	The proteome of rat olfactory sensory cilia. <i>Proteomics</i> , 2009, 9, 322-334.	1.3	105
18	Modulation of Chloride Homeostasis by Inflammatory Mediators in Dorsal Root Ganglion Neurons. <i>Molecular Pain</i> , 2008, 4, 1744-8069-4-32.	1.0	108

#	ARTICLE	IF	CITATIONS
19	Proteomic Analysis of a Membrane Preparation from Rat Olfactory Sensory Cilia. <i>Chemical Senses</i> , 2007, 33, 145-162.	1.1	73
20	Differential maturation of chloride homeostasis in primary afferent neurons of the somatosensory system. <i>International Journal of Developmental Neuroscience</i> , 2007, 25, 479-489.	0.7	78
21	Caged Capsaicins: New Tools for the Examination of TRPV1 Channels in Somatosensory Neurons. <i>ChemBioChem</i> , 2007, 8, 89-97.	1.3	58
22	An evolutionary conserved role of Wnt signaling in stem cell fate decision. <i>Developmental Biology</i> , 2006, 289, 91-99.	0.9	71
23	Evolution of astacin-like metalloproteases in animals and their function in development. <i>Evolution &amp; Development</i> , 2006, 8, 223-231.	1.1	43
24	Calmodulin Contributes to Gating Control in Olfactory Calcium-activated Chloride Channels. <i>Journal of General Physiology</i> , 2006, 127, 737-748.	0.9	34
25	A putative double role of a chitinase in a cnidarian: pattern formation and immunity. <i>Developmental and Comparative Immunology</i> , 2004, 28, 973-981.	1.0	41
26	A fragile X mental retardation-like gene in a cnidarian. <i>Gene</i> , 2004, 343, 231-238.	1.0	16
27	Patterning a multi-headed mutant in <i>Hydractinia</i> : enhancement of head formation and its phenotypic normalization.. <i>International Journal of Developmental Biology</i> , 2004, 48, 9-15.	0.3	28
28	The astacin protein family in <i>Caenorhabditis elegans</i> . <i>FEBS Journal</i> , 2003, 270, 4909-4920.	0.2	75
29	Characterization of the proteolytic enzymes in the midgut of the European Cockchafer, <i>Melolontha melolontha</i> (Coleoptera: Scarabaeidae). <i>Insect Biochemistry and Molecular Biology</i> , 2002, 32, 803-814.	1.2	56
30	Activation of pro-astacin. <i>FEBS Journal</i> , 2001, 268, 2540-2546.	0.2	28