

# Johan PerÅnneren

## List of Publications by Year in descending order

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52  
papers

7,420  
citations

87888

38  
h-index

175258

52  
g-index

52  
all docs

52  
docs citations

52  
times ranked

8286  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Core Complex of BBS Proteins Cooperates with the GTPase Rab8 to Promote Ciliary Membrane Biogenesis. <i>Cell</i> , 2007, 129, 1201-1213.	28.9	1,248
2	A molecular network for de novo generation of the apical surface and lumen. <i>Nature Cell Biology</i> , 2010, 12, 1035-1045.	10.3	529
3	N-glycans as apical sorting signals in epithelial cells. <i>Nature</i> , 1995, 378, 96-98.	27.8	448
4	Coordination of Rab8 and Rab11 in primary ciliogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 6346-6351.	7.1	427
5	Novel neurotrophic factor CDFN protects and rescues midbrain dopamine neurons in vivo. <i>Nature</i> , 2007, 448, 73-77.	27.8	382
6	T7 Vectors with a Modified T7lacPromoter for Expression of Proteins in Escherichia coli. <i>Analytical Biochemistry</i> , 1996, 236, 371-373.	2.4	273
7	Mesencephalic Astrocyte-Derived Neurotrophic Factor Is Neurorestorative in Rat Model of Parkinson's Disease. <i>Journal of Neuroscience</i> , 2009, 29, 9651-9659.	3.6	238
8	CP110 Suppresses Primary Cilia Formation through Its Interaction with CEP290, a Protein Deficient in Human Ciliary Disease. <i>Developmental Cell</i> , 2008, 15, 187-197.	7.0	228
9	Mutant rab8 Impairs Docking and Fusion of Rhodopsin-bearing Post-Golgi Membranes and Causes Cell Death of Transgenic <i>Xenopus</i> Rods. <i>Molecular Biology of the Cell</i> , 2001, 12, 2341-2351.	2.1	223
10	FIP-2, a coiled-coil protein, links Huntingtin to Rab8 and modulates cellular morphogenesis. <i>Current Biology</i> , 2000, 10, 1603-1606.	3.9	201
11	Characterization of the Rab8-specific membrane traffic route linked to protrusion formation. <i>Journal of Cell Science</i> , 2006, 119, 4866-4877.	2.0	193
12	A Rab8-specific GDP/GTP Exchange Factor Is Involved in Actin Remodeling and Polarized Membrane Transport. <i>Molecular Biology of the Cell</i> , 2002, 13, 3268-3280.	2.1	181
13	Rab6, Rab8, and MICAL3 Cooperate in Controlling Docking and Fusion of Exocytotic Carriers. <i>Current Biology</i> , 2011, 21, 967-974.	3.9	167
14	MANF is widely expressed in mammalian tissues and differently regulated after ischemic and epileptic insults in rodent brain. <i>Molecular and Cellular Neurosciences</i> , 2008, 39, 356-371.	2.2	162
15	Seipin Facilitates Triglyceride Flow to Lipid Droplet and Counteracts Droplet Ripening via Endoplasmic Reticulum Contact. <i>Developmental Cell</i> , 2019, 50, 478-493.e9.	7.0	149
16	Myosin Vb Interacts with Rab8a on a Tubular Network Containing EHD1 and EHD3. <i>Molecular Biology of the Cell</i> , 2007, 18, 2828-2837.	2.1	145
17	Mesencephalic astrocyte-derived neurotrophic factor reduces ischemic brain injury and promotes behavioral recovery in rats. <i>Journal of Comparative Neurology</i> , 2009, 515, 116-124.	1.6	132
18	Vimentin intermediate filaments control actin stress fiber assembly through GEF-H1 and RhoA. <i>Journal of Cell Science</i> , 2017, 130, 892-902.	2.0	131

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19	Evidence that DmMANF is an invertebrate neurotrophic factor supporting dopaminergic neurons. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 2429-2434.	7.1	130
20	Mesencephalic Astrocyte-derived Neurotrophic Factor (MANF) Has a Unique Mechanism to Rescue Apoptotic Neurons. Journal of Biological Chemistry, 2011, 286, 2675-2680.	3.4	127
21	Chronic infusion of CDNF prevents 6-OHDA-induced deficits in a rat model of Parkinson's disease. Experimental Neurology, 2011, 228, 99-108.	4.1	118
22	A Rab8 Guanine Nucleotide Exchange Factor-Effector Interaction Network Regulates Primary Cilogenesis. Journal of Biological Chemistry, 2012, 287, 15602-15609.	3.4	113
23	The structure of the conserved neurotrophic factors MANF and CDNF explains why they are bifunctional. Protein Engineering, Design and Selection, 2009, 22, 233-241.	2.1	106
24	LDL Cholesterol Recycles to the Plasma Membrane via a Rab8a-Myosin5b-Actin-Dependent Membrane Transport Route. Developmental Cell, 2013, 27, 249-262.	7.0	92
25	Expression and Intracellular Localization of Catechol O-methyltransferase in Transfected Mammalian Cells. FEBS Journal, 1997, 243, 452-459.	0.2	91
26	Interaction of retinitis pigmentosa GTPase regulator (RPGR) with RAB8A GTPase: implications for cilia dysfunction and photoreceptor degeneration. Human Molecular Genetics, 2010, 19, 3591-3598.	2.9	91
27	Rab8-dependent Recycling Promotes Endosomal Cholesterol Removal in Normal and Sphingolipidosis Cells. Molecular Biology of the Cell, 2007, 18, 47-56.	2.1	89
28	Rab8 GTPase as a regulator of cell shape. Cytoskeleton, 2011, 68, 527-539.	2.0	89
29	Pinkbar is an epithelial-specific BAR domain protein that generates planar membrane structures. Nature Structural and Molecular Biology, 2011, 18, 902-907.	8.2	84
30	Widespread cortical expression of MANF by AAV serotype 7: Localization and protection against ischemic brain injury. Experimental Neurology, 2010, 225, 104-113.	4.1	78
31	Nephrocystin proteins NPHP5 and Cep290 regulate BBSome integrity, ciliary trafficking and cargo delivery. Human Molecular Genetics, 2015, 24, 2185-2200.	2.9	77
32	OSBP-related protein 3 (ORP3) coupling with VAMP-associated protein A regulates R-Ras activity. Experimental Cell Research, 2015, 331, 278-291.	2.6	74
33	Gene therapy with AAV<sup>2</sup>CDNF provides functional benefits in a rat model of Parkinson's disease. Brain and Behavior, 2013, 3, 75-88.	2.2	72
34	Mitogen-Activated Protein Kinase (MAPK) Pathway Regulates Branching by Remodeling Epithelial Cell Adhesion. PLoS Genetics, 2014, 10, e1004193.	3.5	59
35	The C-terminal end of R-Ras contains a focal adhesion targeting signal. Journal of Cell Science, 2003, 116, 3729-3738.	2.0	53
36	A Rab11a-Rab8a-Myo5B network promotes stretch-regulated exocytosis in bladder umbrella cells. Molecular Biology of the Cell, 2013, 24, 1007-1019.	2.1	50

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37	Activation of Rab8 guanine nucleotide exchange factor Rabin8 by ERK1/2 in response to EGF signaling. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 148-153.	7.1	46
38	Accumulation of the Raf-1 Kinase Inhibitory Protein (Rkip) Is Associated with Cep290-mediated Photoreceptor Degeneration in Ciliopathies. Journal of Biological Chemistry, 2011, 286, 28276-28286.	3.4	42
39	Rab8 Regulates ABCA1 Cell Surface Expression and Facilitates Cholesterol Efflux in Primary Human Macrophages. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 883-888.	2.4	37
40	Developing therapeutically more efficient Neurturin variants for treatment of Parkinson's disease. Neurobiology of Disease, 2016, 96, 335-345.	4.4	36
41	ORP2 interacts with phosphoinositides and controls the subcellular distribution of cholesterol. Biochimie, 2019, 158, 90-101.	2.6	34
42	RhoA Regulates Peroxisome Association to Microtubules and the Actin Cytoskeleton. PLoS ONE, 2010, 5, e13886.	2.5	30
43	[20] Expression, purification, and properties of Rab8 function in actin cortical skeleton organization and polarized transport. Methods in Enzymology, 2001, 329, 188-196.	1.0	22
44	Endocytic turnover of Rab8 controls cell polarization. Journal of Cell Science, 2017, 130, 1147-1157.	2.0	21
45	The Semliki-Forest-virus-specific nonstructural protein nsP4 is an autoprotease. FEBS Journal, 1990, 189, 33-38.	0.2	20
46	Small GTPases in peroxisome dynamics. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 1006-1013.	4.1	19
47	High-precision mapping of protein-protein interfaces: an integrated genetic strategy combining en masse mutagenesis and DNA-level parallel analysis on a yeast two-hybrid platform. Nucleic Acids Research, 2007, 35, e103.	14.5	15
48	<sup>1</sup> H, <sup>13</sup> C and <sup>15</sup> N resonance assignments of the human mesencephalic astrocyte-derived neurotrophic factor. Biomolecular NMR Assignments, 2010, 4, 215-217.	0.8	14
49	High-content imaging and structure-based predictions reveal functional differences between Niemann-Pick C1 variants. Traffic, 2020, 21, 386-397.	2.7	14
50	Purification and Functional Properties of a Rab8-specific GEF (Rabin3) in Action Remodeling and Polarized Transport. Methods in Enzymology, 2005, 403, 284-295.	1.0	10
51	Tristetraprolin is a novel regulator of BDNF. SpringerPlus, 2014, 3, 502.	1.2	6
52	Kinetic Activation of Rab8 Guanine Nucleotide Exchange Factor Rabin8 by Rab11. Methods in Molecular Biology, 2015, 1298, 99-106.	0.9	4