

Blanche Schwappach-Pignataro

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65
papers

5,496
citations

35
h-index

74
g-index

91
ext. papers

6,165
ext. citations

9.6
avg, IF

5.38
L-index

#	Paper	IF	Citations
65	A new ER trafficking signal regulates the subunit stoichiometry of plasma membrane K(ATP) channels. <i>Neuron</i> , 1999 , 22, 537-48	13.9	914
64	A common molecular basis for three inherited kidney stone diseases. <i>Nature</i> , 1996 , 379, 445-9	50.4	614
63	Comprehensive characterization of genes required for protein folding in the endoplasmic reticulum. <i>Science</i> , 2009 , 323, 1693-7	33.3	517
62	The GET complex mediates insertion of tail-anchored proteins into the ER membrane. <i>Cell</i> , 2008 , 134, 634-45	56.2	351
61	Cloning and functional expression of rat CLC-5, a chloride channel related to kidney disease. <i>Journal of Biological Chemistry</i> , 1995 , 270, 31172-7	5.4	223
60	Exp5 exports eEF1A via tRNA from nuclei and synergizes with other transport pathways to confine translation to the cytoplasm. <i>EMBO Journal</i> , 2002 , 21, 6205-15	13	193
59	Hide and run. Arginine-based endoplasmic-reticulum-sorting motifs in the assembly of heteromultimeric membrane proteins. <i>EMBO Reports</i> , 2005 , 6, 717-22	6.5	189
58	14-3-3 dimers probe the assembly status of multimeric membrane proteins. <i>Current Biology</i> , 2003 , 13, 638-46	6.3	181
57	Molecular basis for K(ATP) assembly: transmembrane interactions mediate association of a K ⁺ channel with an ABC transporter. <i>Neuron</i> , 2000 , 26, 155-67	13.9	143
56	A family of putative chloride channels from Arabidopsis and functional complementation of a yeast strain with a CLC gene disruption. <i>Journal of Biological Chemistry</i> , 1996 , 271, 33632-8	5.4	136
55	The SND proteins constitute an alternative targeting route to the endoplasmic reticulum. <i>Nature</i> , 2016 , 540, 134-138	50.4	120
54	Distinct targeting pathways for the membrane insertion of tail-anchored (TA) proteins. <i>Journal of Cell Science</i> , 2008 , 121, 1832-40	5.3	108
53	Golgi localization and functionally important domains in the NH ₂ and COOH terminus of the yeast CLC putative chloride channel Gef1p. <i>Journal of Biological Chemistry</i> , 1998 , 273, 15110-8	5.4	103
52	Bat3 promotes the membrane integration of tail-anchored proteins. <i>Journal of Cell Science</i> , 2010 , 123, 2170-8	5.3	101
51	Biogenesis of tail-anchored proteins: the beginning for the end?. <i>Journal of Cell Science</i> , 2009 , 122, 3605-13	5.3	90
50	Biosynthetic FGF-2 is targeted to non-lipid raft microdomains following translocation to the extracellular surface of CHO cells. <i>Journal of Cell Science</i> , 2002 , 115, 3619-31	5.3	79
49	The retention factor p11 confers an endoplasmic reticulum-localization signal to the potassium channel TASK-1. <i>Traffic</i> , 2006 , 7, 168-81	5.7	76

48	Unconventional protein secretion: membrane translocation of FGF-2 does not require protein unfolding. <i>Journal of Cell Science</i> , 2004 , 117, 1727-36	5.3	76
47	14-3-3 proteins in membrane protein transport. <i>Biological Chemistry</i> , 2006 , 387, 1227-36	4.5	66
46	Yeast Ist2 recruits the endoplasmic reticulum to the plasma membrane and creates a ribosome-free membrane microcompartment. <i>PLoS ONE</i> , 2012 , 7, e39703	3.7	62
45	Formation of COPI-coated vesicles at a glance. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	58
44	Intracellular traffic of the K ⁺ channels TASK-1 and TASK-3: role of N- and C-terminal sorting signals and interaction with 14-3-3 proteins. <i>Journal of Physiology</i> , 2009 , 587, 929-52	3.9	56
43	Membrane proteins as 14-3-3 clients in functional regulation and intracellular transport. <i>Physiology</i> , 2011 , 26, 181-91	9.8	52
42	Novel cargo-binding site in the beta and delta subunits of coatamer. <i>Journal of Cell Biology</i> , 2007 , 179, 209-17	7.3	51
41	SEC18/NSF-independent, protein-sorting pathway from the yeast cortical ER to the plasma membrane. <i>Journal of Cell Biology</i> , 2005 , 169, 613-22	7.3	50
40	WRB and CAML are necessary and sufficient to mediate tail-anchored protein targeting to the ER membrane. <i>PLoS ONE</i> , 2014 , 9, e85033	3.7	45
39	The protein targeting factor Get3 functions as ATP-independent chaperone under oxidative stress conditions. <i>Molecular Cell</i> , 2014 , 56, 116-27	17.6	43
38	Trafficking of potassium channels. <i>Current Opinion in Neurobiology</i> , 2005 , 15, 364-9	7.6	42
37	Scavenging of 14-3-3 proteins reveals their involvement in the cell-surface transport of ATP-sensitive K ⁺ channels. <i>Journal of Cell Science</i> , 2006 , 119, 4353-63	5.3	40
36	Direct transport across the plasma membrane of mammalian cells of Leishmania HASPB as revealed by a CHO export mutant. <i>Journal of Cell Science</i> , 2005 , 118, 517-27	5.3	40
35	The yeast CLC protein counteracts vesicular acidification during iron starvation. <i>Journal of Cell Science</i> , 2010 , 123, 2342-50	5.3	39
34	Tryptophan-rich basic protein (WRB) mediates insertion of the tail-anchored protein otoferlin and is required for hair cell exocytosis and hearing. <i>EMBO Journal</i> , 2016 , 35, 2536-2552	13	38
33	An overview of trafficking and assembly of neurotransmitter receptors and ion channels (Review). <i>Molecular Membrane Biology</i> , 2008 , 25, 270-8	3.4	37
32	Get3 is a holdase chaperone and moves to deposition sites for aggregated proteins when membrane targeting is blocked. <i>Journal of Cell Science</i> , 2013 , 126, 473-83	5.3	35
31	The yeast Arr4p ATPase binds the chloride transporter Gef1p when copper is available in the cytosol. <i>Journal of Biological Chemistry</i> , 2006 , 281, 410-7	5.4	35

30	The association of BAG6 with SGTA and tail-anchored proteins. <i>PLoS ONE</i> , 2013 , 8, e59590	3.7	34
29	Tuning the electrical properties of the heart by differential trafficking of KATP ion channel complexes. <i>Journal of Cell Science</i> , 2014 , 127, 2106-19	5.3	32
28	The Ways of Tails: the GET Pathway and more. <i>Protein Journal</i> , 2019 , 38, 289-305	3.9	31
27	The molecular and functional identities of atrial cardiomyocytes in health and disease. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2016 , 1863, 1882-93	4.9	31
26	A dual phosphorylation switch controls 14-3-3-dependent cell surface expression of TASK-1. <i>Journal of Cell Science</i> , 2016 , 129, 831-42	5.3	30
25	Structures of Get3, Get4, and Get5 provide new models for TA membrane protein targeting. <i>Structure</i> , 2010 , 18, 897-902	5.2	29
24	Structural Basis of Tail-Anchored Membrane Protein Biogenesis by the GET Insertase Complex. <i>Molecular Cell</i> , 2020 , 80, 72-86.e7	17.6	28
23	The yeast oligopeptide transporter Opt2 is localized to peroxisomes and affects glutathione redox homeostasis. <i>FEMS Yeast Research</i> , 2014 , 14, 1055-67	3.1	25
22	Mice lacking WRB reveal differential biogenesis requirements of tail-anchored proteins in vivo. <i>Scientific Reports</i> , 2016 , 6, 39464	4.9	25
21	Involvement of Golgin-160 in cell surface transport of renal ROMK channel: co-expression of Golgin-160 increases ROMK currents. <i>Cellular Physiology and Biochemistry</i> , 2006 , 17, 1-12	3.9	21
20	A multimeric membrane protein reveals 14-3-3 isoform specificity in forward transport in yeast. <i>Traffic</i> , 2006 , 7, 903-16	5.7	21
19	Emery-Dreifuss muscular dystrophy mutations impair TRC40-mediated targeting of emerin to the inner nuclear membrane. <i>Journal of Cell Science</i> , 2016 , 129, 502-16	5.3	19
18	Altered atrial cytosolic calcium handling contributes to the development of postoperative atrial fibrillation. <i>Cardiovascular Research</i> , 2021 , 117, 1790-1801	9.9	18
17	The role of protein-protein interactions in the intracellular traffic of the potassium channels TASK-1 and TASK-3. <i>Pflugers Archiv European Journal of Physiology</i> , 2015 , 467, 1105-20	4.6	17
16	Pas de deux in groups of four--the biogenesis of KATP channels. <i>Journal of Molecular and Cellular Cardiology</i> , 2005 , 38, 887-94	5.8	15
15	The yeast CLC chloride channel is proteolytically processed by the furin-like protease Kex2p in the first extracellular loop. <i>FEBS Letters</i> , 2005 , 579, 1149-53	3.8	14
14	Toolbox: Creating a systematic database of secretory pathway proteins uncovers new cargo for COPI. <i>Traffic</i> , 2018 , 19, 370-379	5.7	13
13	The natural history of Get3-like chaperones. <i>Traffic</i> , 2019 , 20, 311-324	5.7	10

12	The laboratory notebook in the 21st century: The electronic laboratory notebook would enhance good scientific practice and increase research productivity. <i>EMBO Reports</i> , 2014 , 15, 631-4	6.5	10
11	14-3-3 binding creates a memory of kinase action by stabilizing the modified state of phospholamban. <i>Science Signaling</i> , 2020 , 13,	8.8	9
10	A trap mutant reveals the physiological client spectrum of TRC40. <i>Journal of Cell Science</i> , 2019 , 132,	5.3	8
9	Two novel effectors of trafficking and maturation of the yeast plasma membrane H ⁺ -ATPase. <i>Traffic</i> , 2017 , 18, 672-682	5.7	6
8	ECOP contains a helix C-terminal to its longin domain key to COPI dynamics and function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 6916-21	11.5	6
7	Endoplasmic reticulum membrane receptors of the GET pathway are conserved throughout eukaryotes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	5
6	Dissection of GTPase-activating proteins reveals functional asymmetry in the COPI coat of budding yeast. <i>Journal of Cell Science</i> , 2019 , 132,	5.3	5
5	Ribosome-bound Get4/5 facilitates the capture of tail-anchored proteins by Sgt2 in yeast. <i>Nature Communications</i> , 2021 , 12, 782	17.4	5
4	Mapping protein interactions in the active TOM-TIM23 supercomplex. <i>Nature Communications</i> , 2021 , 12, 5715	17.4	5
3	Cell biology. Think vesicular chloride. <i>Science</i> , 2010 , 328, 1364-5	33.3	2
2	Thiol-based switching mechanisms of stress-sensing chaperones. <i>Biological Chemistry</i> , 2021 , 402, 239-252.5		2
1	Ins Herz des sekretorischen Pfades: Stress mobilisiert Ionenkanäle. <i>BioSpektrum</i> , 2014 , 20, 271-274	0.1	