Blanche Schwappach-Pignataro

List of Publications by Year
in descending order

70 papers	6,595 citations	76294 40 h-index	91828 69 g-index
91 all docs	91 docs citations	91 times ranked	6531 citing authors

#	Article	IF	Citations
1	A New ER Trafficking Signal Regulates the Subunit Stoichiometry of Plasma Membrane KATP Channels. Neuron, 1999, 22, 537-548.	3.8	977
2	A common molecular basis for three inherited kidney stone diseases. Nature, 1996, 379, 445-449.	13.7	694
3	Comprehensive Characterization of Genes Required for Protein Folding in the Endoplasmic Reticulum. Science, 2009, 323, 1693-1697.	6.0	646
4	The GET Complex Mediates Insertion of Tail-Anchored Proteins into the ER Membrane. Cell, 2008, 134, 634-645.	13.5	460
5	Cloning and Functional Expression of Rat CLC-5, a Chloride Channel Related to Kidney Disease. Journal of Biological Chemistry, 1995, 270, 31172-31177.	1.6	259
6	Hide and run. EMBO Reports, 2005, 6, 717-722.	2.0	210
7	Exp5 exports eEF1A via tRNA from nuclei and synergizes with other transport pathways to confine translation to the cytoplasm. EMBO Journal, 2002, 21, 6205-6215.	3.5	203
8	14-3-3 Dimers Probe the Assembly Status of Multimeric Membrane Proteins. Current Biology, 2003, 13, 638-646.	1.8	198
9	The SND proteins constitute an alternative targeting route to the endoplasmic reticulum. Nature, 2016, 540, 134-138.	13.7	168
10	A Family of Putative Chloride Channels from Arabidopsis and Functional Complementation of a Yeast Strain with a CLC Gene Disruption. Journal of Biological Chemistry, 1996, 271, 33632-33638.	1.6	157
11	Molecular Basis for K ATP Assembly. Neuron, 2000, 26, 155-167.	3.8	151
12	Distinct targeting pathways for the membrane insertion of tail-anchored (TA) proteins. Journal of Cell Science, 2008, 121, 1832-1840.	1.2	125
13	Golgi Localization and Functionally Important Domains in the NH2 and COOH Terminus of the Yeast CLC Putative Chloride Channel Gef1p. Journal of Biological Chemistry, 1998, 273, 15110-15118.	1.6	116
14	Bat3 promotes the membrane integration of tail-anchored proteins. Journal of Cell Science, 2010, 123, 2170-2178.	1.2	114
15	Biogenesis of tail-anchored proteins: the beginning for the end?. Journal of Cell Science, 2009, 122, 3605-3612.	1.2	107
16	Biosynthetic FGF-2 is targeted to non-lipid raft microdomains following translocation to the extracellular surface of CHO cells. Journal of Cell Science, 2002, 115, 3619-3631.	1.2	89
17	Formation of COPI-coated vesicles at a glance. Journal of Cell Science, 2018, 131, .	1.2	86
18	Unconventional protein secretion: membrane translocation of FGF-2 does not require protein unfolding. Journal of Cell Science, 2004, 117, 1727-1736.	1.2	83

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19	The Retention Factor p11 Confers an Endoplasmic Reticulum-Localization Signal to the Potassium Channel TASK-1. Traffic, 2006, 7, 168-181.	1.3	83
20	14-3-3 proteins in membrane protein transport. Biological Chemistry, 2006, 387, 1227-36.	1.2	72
21	Structural Basis of Tail-Anchored Membrane Protein Biogenesis by the GET Insertase Complex. Molecular Cell, 2020, 80, 72-86.e7.	4.5	71
22	Yeast Ist2 Recruits the Endoplasmic Reticulum to the Plasma Membrane and Creates a Ribosome-Free Membrane Microcompartment. PLoS ONE, 2012, 7, e39703.	1.1	71
23	Intracellular traffic of the K⁺ channels TASKâ€1 and TASKâ€3: role of Nâ€and Câ€terminal sorting signals and interaction with 14â€3â€3 proteins. Journal of Physiology, 2009, 587, 929-952.	1.3	65
24	Membrane Proteins as 14-3-3 Clients in Functional Regulation and Intracellular Transport. Physiology, 2011, 26, 181-191.	1.6	61
25	WRB and CAML Are Necessary and Sufficient to Mediate Tail-Anchored Protein Targeting to the ER Membrane. PLoS ONE, 2014, 9, e85033.	1.1	59
26	The Protein Targeting Factor Get3 Functions as ATP-Independent Chaperone under Oxidative Stress Conditions. Molecular Cell, 2014, 56, 116-127.	4.5	58
27	SEC18/NSF-independent, protein-sorting pathway from the yeast cortical ER to the plasma membrane. Journal of Cell Biology, 2005, 169, 613-622.	2.3	57
28	Novel cargo-binding site in the Î² and Î´ subunits of coatomer. Journal of Cell Biology, 2007, 179, 209-217.	2.3	57
29	The Ways of Tails: the GET Pathway and more. Protein Journal, 2019, 38, 289-305.	0.7	57
30	Tryptophanâ€rich basic protein (<scp>WRB</scp>) mediates insertion of the tailâ€anchored protein otoferlin and is required for hair cell exocytosis and hearing. EMBO Journal, 2016, 35, 2536-2552.	3.5	55
31	Get3 is a holdase chaperone and moves to deposition sites for aggregated proteins when membrane targeting is blocked. Journal of Cell Science, 2013, 126, 473-483.	1.2	50
32	Scavenging of 14-3-3 proteins reveals their involvement in the cell-surface transport of ATP-sensitive K+ channels. Journal of Cell Science, 2006, 119, 4353-4363.	1.2	49
33	The molecular and functional identities of atrial cardiomyocytes in health and disease. Biochimica Et Biophysica Acta - Molecular Cell Research, 2016, 1863, 1882-1893.	1.9	49
34	Trafficking of potassium channels. Current Opinion in Neurobiology, 2005, 15, 364-369.	2.0	47
35	Direct transport across the plasma membrane of mammalian cells of Leishmania HASPB as revealed by a CHO export mutant. Journal of Cell Science, 2005, 118, 517-527.	1.2	46
36	Altered atrial cytosolic calcium handling contributes to the development of postoperative atrial fibrillation. Cardiovascular Research, 2021, 117, 1790-1801.	1.8	45

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37	The yeast CLC protein counteracts vesicular acidification during iron starvation. Journal of Cell Science, 2010, 123, 2342-2350.	1.2	44
38	The Association of BAG6 with SGTA and Tail-Anchored Proteins. PLoS ONE, 2013, 8, e59590.	1.1	44
39	The Yeast Arr4p ATPase Binds the Chloride Transporter Gef1p When Copper Is Available in the Cytosol. Journal of Biological Chemistry, 2006, 281, 410-417.	1.6	43
40	Tuning the electrical properties of the heart by differential trafficking of KATP ion channel complexes. Journal of Cell Science, 2014, 127, 2106-19.	1.2	43
41	An overview of trafficking and assembly of neurotransmitter receptors and ion channels (Review). Molecular Membrane Biology, 2008, 25, 270-278.	2.0	42
42	A dual phosphorylation switch controls 14-3-3-dependent cell surface expression of TASK-1. Journal of Cell Science, 2016, 129, 831-42.	1.2	37
43	Mice lacking WRB reveal differential biogenesis requirements of tail-anchored proteins in vivo. Scientific Reports, 2016, 6, 39464.	1.6	35
44	Structures of Get3, Get4, and Get5 Provide New Models for TA Membrane Protein Targeting. Structure, 2010, 18, 897-902.	1.6	34
45	The yeast oligopeptide transporter Opt2 is localized to peroxisomes and affects glutathione redox homeostasis. FEMS Yeast Research, 2014, 14, n/a-n/a.	1.1	29
46	Mapping protein interactions in the active TOM-TIM23 supercomplex. Nature Communications, 2021, 12, 5715.	5.8	28
47	Emery-Dreifuss muscular dystrophy mutations impair TRC40-mediated targeting of emerin to the inner nuclear membrane. Journal of Cell Science, 2016, 129, 502-16.	1.2	26
48	A Multimeric Membrane Protein Reveals 14-3-3 Isoform Specificity in Forward Transport in Yeast. Traffic, 2006, 7, 903-916.	1.3	23
49	Involvement of Golgin-160 in Cell Surface Transport of Renal ROMK Channel: Co-expression of Golgin-160 Increases ROMK Currents. Cellular Physiology and Biochemistry, 2006, 17, 1-12.	1.1	22
50	The natural history of Get3â€like chaperones. Traffic, 2019, 20, 311-324.	1.3	22
51	14-3-3 binding creates a memory of kinase action by stabilizing the modified state of phospholamban. Science Signaling, 2020, 13, .	1.6	19
52	Pas de deux in groups of fourâ€"the biogenesis of K channels. Journal of Molecular and Cellular Cardiology, 2005, 38, 887-894.	0.9	18
53	From rags to riches â€" The history of the endoplasmic reticulum. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 2389-2391.	1.9	18
54	The laboratory notebook in the 21 st century. EMBO Reports, 2014, 15, 631-634.	2.0	18

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55	The role of proteinâ€“protein interactions in the intracellular traffic of the potassium channels TASK-1 and TASK-3. Pflugers Archiv European Journal of Physiology, 2015, 467, 1105-1120.	1.3	18
56	A trap mutant reveals the physiological client spectrum of TRC40. Journal of Cell Science, 2019, 132, .	1.2	18
57	The yeast CLC chloride channel is proteolytically processed by the furin-like protease Kex2p in the first extracellular loop. FEBS Letters, 2005, 579, 1149-1153.	1.3	16
58	Toolbox: Creating a systematic database of secretory pathway proteins uncovers new cargo for COPI. Traffic, 2018, 19, 370-379.	1.3	15
59	Dissection of GTPase activating proteins reveals functional asymmetry in the COPI coat. Journal of Cell Science, 2019, 132, .	1.2	15
60	Ribosome-bound Get4/5 facilitates the capture of tail-anchored proteins by Sgt2 in yeast. Nature Communications, 2021, 12, 782.	5.8	14
61	Two novel effectors of trafficking and maturation of the yeast plasma membrane H⁺â€<scp>ATPase</scp>. Traffic, 2017, 18, 672-682.	1.3	13
62	Endoplasmic reticulum membrane receptors of the GET pathway are conserved throughout eukaryotes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	13
63	Thiol-based switching mechanisms of stress-sensing chaperones. Biological Chemistry, 2021, 402, 239-252.	1.2	11
64	Î´-COP contains a helix C-terminal to its longin domain key to COPI dynamics and function. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 6916-6921.	3.3	9
65	Chloride accumulation in endosomes and lysosomes: facts checked in mice. EMBO Journal, 2020, 39, e104812.	3.5	4
66	Regulated targeting of the monotopic hairpin membrane protein Erg1 requires the GET pathway. Journal of Cell Biology, 2022, 221, .	2.3	4
67	Think Vesicular Chloride. Science, 2010, 328, 1364-1365.	6.0	2
68	From guide to guardâ€"activation mechanism of the stress-sensing chaperone Get3. Molecular Cell, 2022, , .	4.5	2
69	Looking inside the cell. ELife, 2017, 6, .	2.8	1
70	Insertion of tail-anchored proteins into the endoplasmic reticulum membrane. Reactome - A Curated Knowledgebase of Biological Pathways, 0, 68, .	0.0	0