Britta Qualmann

List of Publications by Year
in descending order

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55	4,127	172457	149698
papers	citations	29 h-index	56 g-index

67	67	67	4151
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular Links between Endocytosis and the Actin Cytoskeleton. Journal of Cell Biology, 2000, 150, F111-F116.	5.2	378
2	Syndapin I, a Synaptic Dynamin-binding Protein that Associates with the Neural Wiskott-Aldrich Syndrome Protein. Molecular Biology of the Cell, 1999, 10, 501-513.	2.1	291
3	Syndapin Isoforms Participate in Receptor-Mediated Endocytosis and Actin Organization. Journal of Cell Biology, 2000, 148, 1047-1062.	5.2	281
4	SH3-domain-containing proteins function at distinct steps in clathrin-coated vesicle formation. Nature Cell Biology, 1999, 1, 119-124.	10.3	267
5	Cordon-Bleu Is an Actin Nucleation Factor and Controls Neuronal Morphology. Cell, 2007, 131, 337-350.	28.9	227
6	Let's go bananas: revisiting the endocytic BAR code. EMBO Journal, 2011, 30, 3501-3515.	7.8	216
7	Mammalian Abp1, a Signal-Responsive F-Actinâ€“Binding Protein, Links the Actin Cytoskeleton to Endocytosis via the Gtpase Dynamin. Journal of Cell Biology, 2001, 153, 351-366.	5.2	210
8	Syndapins integrate N-WASP in receptor-mediated endocytosis. EMBO Journal, 2002, 21, 6083-6094.	7.8	187
9	The syndapin protein family: linking membrane trafficking with the cytoskeleton. Journal of Cell Science, 2004, 117, 3077-3086.	2.0	153
10	EHD Proteins Associate with Syndapin I and II and Such Interactions Play a Crucial Role in Endosomal Recycling. Molecular Biology of the Cell, 2005, 16, 3642-3658.	2.1	143
11	Calcium-mediated actin reset (CaAR) mediates acute cell adaptations. ELife, 2016, 5, .	6.0	121
12	Linkage of the Actin Cytoskeleton to the Postsynaptic Density via Direct Interactions of Abp1 with the ProSAP/Shank Family. Journal of Neuroscience, 2004, 24, 2481-2495.	3.6	120
13	F-BAR Proteins of the Syndapin Family Shape the Plasma Membrane and Are Crucial for Neuromorphogenesis. Journal of Neuroscience, 2009, 29, 13315-13327.	3.6	103
14	Syndapin Oligomers Interconnect the Machineries for Endocytic Vesicle Formation and Actin Polymerization. Journal of Biological Chemistry, 2006, 281, 13285-13299.	3.4	88
15	New players in actin polymerization â€“ WH2-domain-containing actin nucleators. Trends in Cell Biology, 2009, 19, 276-285.	7.9	86
16	Regulation of N-WASP and the Arp2/3 Complex by Abp1 Controls Neuronal Morphology. PLoS ONE, 2007, 2, e400.	2.5	85
17	Interactions between Piccolo and the Actin/Dynamin-binding Protein Abp1 Link Vesicle Endocytosis to Presynaptic Active Zones. Journal of Biological Chemistry, 2003, 278, 20268-20277.	3.4	84
18	The Actin-Binding Protein Abp1 Controls Dendritic Spine Morphology and Is Important for Spine Head and Synapse Formation. Journal of Neuroscience, 2008, 28, 10031-10044.	3.6	76

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19	Proper synaptic vesicle formation and neuronal network activity critically rely on syndapin I. EMBO Journal, 2011, 30, 4955-4969.	7.8	74
20	A spastic paraplegia mouse model reveals REEP1-dependent ER shaping. Journal of Clinical Investigation, 2013, 123, 4273-4282.	8.2	74
21	The functions of the actin nucleator Cobl in cellular morphogenesis critically depend on syndapin I. EMBO Journal, 2011, 30, 3147-3159.	7.8	59
22	Cell type-specific delivery of short interfering RNAs by dye-functionalised theranostic nanoparticles. Nature Communications, 2014, 5, 5565.	12.8	58
23	Deciphering caveolar functions by syndapin III KO-mediated impairment of caveolar invagination. ELife, 2017, 6, .	6.0	47
24	Controlling actin cytoskeletal organization and dynamics during neuronal morphogenesis. European Journal of Cell Biology, 2011, 90, 926-933.	3.6	46
25	Ultrastructural freeze-fracture immunolabeling identifies plasma membrane-localized syndapin II as a crucial factor in shaping caveolae. Histochemistry and Cell Biology, 2012, 138, 215-230.	1.7	45
26	ProSAP1 and membrane nanodomain-associated syndapin I promote postsynapse formation and function. Journal of Cell Biology, 2014, 205, 197-215.	5.2	45
27	The Actin Nucleator Cobl Is Crucial for Purkinje Cell Development and Works in Close Conjunction with the F-Actin Binding Protein Abp1. Journal of Neuroscience, 2012, 32, 17842-17856.	3.6	44
28	The Actin Nucleator Cobl Is Controlled by Calcium and Calmodulin. PLoS Biology, 2015, 13, e1002233.	5.6	43
29	Mutations in KPTN Cause Macrocephaly, Neurodevelopmental Delay, and Seizures. American Journal of Human Genetics, 2014, 94, 87-94.	6.2	35
30	Ankyrin repeat-containing N-Ank proteins shape cellular membranes. Nature Cell Biology, 2019, 21, 1191-1205.	10.3	35
31	Arginine Methylation by PRMT2 Controls the Functions of the Actin Nucleator Cobl. Developmental Cell, 2018, 45, 262-275.e8.	7.0	34
32	Different functional modes of BAR domain proteins in formation and plasticity of mammalian postsynapses. Journal of Cell Science, 2015, 128, 3177-85.	2.0	33
33	Structural History of Human SRGAP2 Proteins. Molecular Biology and Evolution, 2017, 34, 1463-1478.	8.9	31
34	Interplay between membrane curvature and the actin cytoskeleton. Current Opinion in Cell Biology, 2021, 68, 10-19.	5.4	30
35	Direct effects of Ca2+/calmodulin on actin filament formation. Biochemical and Biophysical Research Communications, 2018, 506, 355-360.	2.1	26
36	Ciliated sensory hair cell formation and function require the F-BAR protein syndapin I and the WH2 domain-based actin nucleator Cobl. Journal of Cell Science, 2013, 126, 196-208.	2.0	25

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37	Proteomic Analysis of Glycine Receptor Î² Subunit (GlyRÎ²)-interacting Proteins. Journal of Biological Chemistry, 2014, 289, 11396-11409.	3.4	24
38	Cobl-like promotes actin filament formation and dendritic branching using only a single WH2 domain. Journal of Cell Biology, 2018, 217, 211-230.	5.2	22
39	Cooperative functions of the two F-BAR proteins Cip4 and Nostrin in regulating E-cadherin in epithelial morphogenesis. Journal of Cell Science, 2014, 128, 499-515.	2.0	21
40	The Actin Nucleator Cobl Is Critical for Centriolar Positioning, Postnatal Planar Cell Polarity Refinement, and Function of the Cochlea. Cell Reports, 2018, 24, 2418-2431.e6.	6.4	19
41	Terminal Axonal Arborization and Synaptic Bouton Formation Critically Rely on Abp1 and the Arp2/3 Complex. PLoS ONE, 2014, 9, e97692.	2.5	18
42	Syndapin I Loss-of-Function in Mice Leads to Schizophrenia-Like Symptoms. Cerebral Cortex, 2020, 30, 4306-4324.	2.9	16
43	The Na+/H+ Exchanger Nhe1 Modulates Network Excitability via GABA Release. Cerebral Cortex, 2019, 29, 4263-4276.	2.9	13
44	Comparison of Multiscale Imaging Methods for Brain Research. Cells, 2020, 9, 1377.	4.1	13
45	The actin nucleator Cobl organises the terminal web of enterocytes. Scientific Reports, 2020, 10, 11156.	3.3	11
46	A Novel Glycine Receptor Variant with Startle Disease Affects Syndapin I and Glycinergic Inhibition. Journal of Neuroscience, 2020, 40, 4954-4969.	3.6	11
47	Functional interdependence of the actin nucleator Cobl and Cobl-like in dendritic arbor development. ELife, 2021, 10, .	6.0	11
48	Nonlinear Structured Illumination Using a Fluorescent Protein Activating at the Readout Wavelength. PLoS ONE, 2016, 11, e0165148.	2.5	6
49	Comparison of random and gradient amino functionalized poly(2â€oxazoline)s: Can the transfection efficiency be tuned by the macromolecular structure?. Journal of Polymer Science Part A, 2018, 56, 1210-1224.	2.3	5
50	The Role of Protein Arginine Methylation as Post-Translational Modification on Actin Cytoskeletal Components in Neuronal Structure and Function. Cells, 2021, 10, 1079.	4.1	5
51	The role of membrane-shaping BAR domain proteins in caveolar invagination: from mechanistic insights to pathophysiological consequences. Biochemical Society Transactions, 2020, 48, 137-146.	3.4	5
52	Poststroke dendritic arbor regrowth requires the actin nucleator Cobl. PLoS Biology, 2021, 19, e3001399.	5.6	3
53	Reduced Mrp2 surface availability as PI3KÎ³-mediated hepatocytic dysfunction reflecting a hallmark of cholestasis in sepsis. Scientific Reports, 2020, 10, 13110.	3.3	2
54	Freeze-Fracture Replica Immunolabeling of Cryopreserved Membrane Compartments, Cultured Cells and Tissues. Methods in Molecular Biology, 2020, 2169, 11-25.	0.9	1

#	Article	IF	Citations
55	Inositol hexakisphosphate primes syndapin I/PACSIN 1 activation in endocytosis. Cellular and Molecular Life Sciences, 2022, 79, 286.	5.4	1