

# Britta Qualmann

## List of Publications by Year in descending order

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55  
papers

4,127  
citations

172457

29  
h-index

149698

56  
g-index

67  
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67  
docs citations

67  
times ranked

4151  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inositol hexakisphosphate primes syndapin I/PACSIN 1 activation in endocytosis. <i>Cellular and Molecular Life Sciences</i> , 2022, 79, 286.	5.4	1
2	Interplay between membrane curvature and the actin cytoskeleton. <i>Current Opinion in Cell Biology</i> , 2021, 68, 10-19.	5.4	30
3	The Role of Protein Arginine Methylation as Post-Translational Modification on Actin Cytoskeletal Components in Neuronal Structure and Function. <i>Cells</i> , 2021, 10, 1079.	4.1	5
4	Functional interdependence of the actin nucleator Cobl and Cobl-like in dendritic arbor development. <i>ELife</i> , 2021, 10, .	6.0	11
5	Poststroke dendritic arbor regrowth requires the actin nucleator Cobl. <i>PLoS Biology</i> , 2021, 19, e3001399.	5.6	3
6	The actin nucleator Cobl organises the terminal web of enterocytes. <i>Scientific Reports</i> , 2020, 10, 11156.	3.3	11
7	Reduced Mrp2 surface availability as PI3K $\hat{I}^3$ -mediated hepatocytic dysfunction reflecting a hallmark of cholestasis in sepsis. <i>Scientific Reports</i> , 2020, 10, 13110.	3.3	2
8	A Novel Glycine Receptor Variant with Startle Disease Affects Syndapin I and Glycinergic Inhibition. <i>Journal of Neuroscience</i> , 2020, 40, 4954-4969.	3.6	11
9	Comparison of Multiscale Imaging Methods for Brain Research. <i>Cells</i> , 2020, 9, 1377.	4.1	13
10	Syndapin I Loss-of-Function in Mice Leads to Schizophrenia-Like Symptoms. <i>Cerebral Cortex</i> , 2020, 30, 4306-4324.	2.9	16
11	The role of membrane-shaping BAR domain proteins in caveolar invagination: from mechanistic insights to pathophysiological consequences. <i>Biochemical Society Transactions</i> , 2020, 48, 137-146.	3.4	5
12	Freeze-Fracture Replica Immunolabeling of Cryopreserved Membrane Compartments, Cultured Cells and Tissues. <i>Methods in Molecular Biology</i> , 2020, 2169, 11-25.	0.9	1
13	Ankyrin repeat-containing N-Ank proteins shape cellular membranes. <i>Nature Cell Biology</i> , 2019, 21, 1191-1205.	10.3	35
14	The Na <sup>+</sup> /H <sup>+</sup> Exchanger Nhe1 Modulates Network Excitability via GABA Release. <i>Cerebral Cortex</i> , 2019, 29, 4263-4276.	2.9	13
15	Arginine Methylation by PRMT2 Controls the Functions of the Actin Nucleator Cobl. <i>Developmental Cell</i> , 2018, 45, 262-275.e8.	7.0	34
16	Comparison of random and gradient amino functionalized poly(2-oxazoline)s: Can the transfection efficiency be tuned by the macromolecular structure?. <i>Journal of Polymer Science Part A</i> , 2018, 56, 1210-1224.	2.3	5
17	Cobl-like promotes actin filament formation and dendritic branching using only a single WH2 domain. <i>Journal of Cell Biology</i> , 2018, 217, 211-230.	5.2	22
18	The Actin Nucleator Cobl Is Critical for Centriolar Positioning, Postnatal Planar Cell Polarity Refinement, and Function of the Cochlea. <i>Cell Reports</i> , 2018, 24, 2418-2431.e6.	6.4	19

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19	Direct effects of Ca <sup>2+</sup> /calmodulin on actin filament formation. <i>Biochemical and Biophysical Research Communications</i> , 2018, 506, 355-360.	2.1	26
20	Structural History of Human SRGAP2 Proteins. <i>Molecular Biology and Evolution</i> , 2017, 34, 1463-1478.	8.9	31
21	Deciphering caveolar functions by syndapin III KO-mediated impairment of caveolar invagination. <i>ELife</i> , 2017, 6, .	6.0	47
22	Calcium-mediated actin reset (CaAR) mediates acute cell adaptations. <i>ELife</i> , 2016, 5, .	6.0	121
23	Nonlinear Structured Illumination Using a Fluorescent Protein Activating at the Readout Wavelength. <i>PLoS ONE</i> , 2016, 11, e0165148.	2.5	6
24	The Actin Nucleator Cobl Is Controlled by Calcium and Calmodulin. <i>PLoS Biology</i> , 2015, 13, e1002233.	5.6	43
25	Different functional modes of BAR domain proteins in formation and plasticity of mammalian postsynapses. <i>Journal of Cell Science</i> , 2015, 128, 3177-85.	2.0	33
26	Terminal Axonal Arborization and Synaptic Bouton Formation Critically Rely on Abp1 and the Arp2/3 Complex. <i>PLoS ONE</i> , 2014, 9, e97692.	2.5	18
27	Cooperative functions of the two F-BAR proteins Cip4 and Nostrin in regulating E-cadherin in epithelial morphogenesis. <i>Journal of Cell Science</i> , 2014, 128, 499-515.	2.0	21
28	Cell type-specific delivery of short interfering RNAs by dye-functionalised theranostic nanoparticles. <i>Nature Communications</i> , 2014, 5, 5565.	12.8	58
29	Proteomic Analysis of Glycine Receptor $\hat{1}^2$ Subunit (GlyR $\hat{1}^2$ )-interacting Proteins. <i>Journal of Biological Chemistry</i> , 2014, 289, 11396-11409.	3.4	24
30	ProSAP1 and membrane nanodomain-associated syndapin I promote postsynapse formation and function. <i>Journal of Cell Biology</i> , 2014, 205, 197-215.	5.2	45
31	Mutations in KPTN Cause Macrocephaly, Neurodevelopmental Delay, and Seizures. <i>American Journal of Human Genetics</i> , 2014, 94, 87-94.	6.2	35
32	Ciliated sensory hair cell formation and function require the F-BAR protein syndapin I and the WH2 domain-based actin nucleator Cobl. <i>Journal of Cell Science</i> , 2013, 126, 196-208.	2.0	25
33	A spastic paraplegia mouse model reveals REEP1-dependent ER shaping. <i>Journal of Clinical Investigation</i> , 2013, 123, 4273-4282.	8.2	74
34	The Actin Nucleator Cobl Is Crucial for Purkinje Cell Development and Works in Close Conjunction with the F-Actin Binding Protein Abp1. <i>Journal of Neuroscience</i> , 2012, 32, 17842-17856.	3.6	44
35	Ultrastructural freeze-fracture immunolabeling identifies plasma membrane-localized syndapin II as a crucial factor in shaping caveolae. <i>Histochemistry and Cell Biology</i> , 2012, 138, 215-230.	1.7	45
36	Let's go bananas: revisiting the endocytic BAR code. <i>EMBO Journal</i> , 2011, 30, 3501-3515.	7.8	216

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37	Controlling actin cytoskeletal organization and dynamics during neuronal morphogenesis. <i>European Journal of Cell Biology</i> , 2011, 90, 926-933.	3.6	46
38	The functions of the actin nucleator Cobl in cellular morphogenesis critically depend on syndapin I. <i>EMBO Journal</i> , 2011, 30, 3147-3159.	7.8	59
39	Proper synaptic vesicle formation and neuronal network activity critically rely on syndapin I. <i>EMBO Journal</i> , 2011, 30, 4955-4969.	7.8	74
40	F-BAR Proteins of the Syndapin Family Shape the Plasma Membrane and Are Crucial for Neuromorphogenesis. <i>Journal of Neuroscience</i> , 2009, 29, 13315-13327.	3.6	103
41	New players in actin polymerization – WH2-domain-containing actin nucleators. <i>Trends in Cell Biology</i> , 2009, 19, 276-285.	7.9	86
42	The Actin-Binding Protein Abp1 Controls Dendritic Spine Morphology and Is Important for Spine Head and Synapse Formation. <i>Journal of Neuroscience</i> , 2008, 28, 10031-10044.	3.6	76
43	Cordon-Bleu Is an Actin Nucleation Factor and Controls Neuronal Morphology. <i>Cell</i> , 2007, 131, 337-350.	28.9	227
44	Regulation of N-WASP and the Arp2/3 Complex by Abp1 Controls Neuronal Morphology. <i>PLoS ONE</i> , 2007, 2, e400.	2.5	85
45	Syndapin Oligomers Interconnect the Machineries for Endocytic Vesicle Formation and Actin Polymerization. <i>Journal of Biological Chemistry</i> , 2006, 281, 13285-13299.	3.4	88
46	EHD Proteins Associate with Syndapin I and II and Such Interactions Play a Crucial Role in Endosomal Recycling. <i>Molecular Biology of the Cell</i> , 2005, 16, 3642-3658.	2.1	143
47	The syndapin protein family: linking membrane trafficking with the cytoskeleton. <i>Journal of Cell Science</i> , 2004, 117, 3077-3086.	2.0	153
48	Linkage of the Actin Cytoskeleton to the Postsynaptic Density via Direct Interactions of Abp1 with the ProSAP/Shank Family. <i>Journal of Neuroscience</i> , 2004, 24, 2481-2495.	3.6	120
49	Interactions between Piccolo and the Actin/Dynamin-binding Protein Abp1 Link Vesicle Endocytosis to Presynaptic Active Zones. <i>Journal of Biological Chemistry</i> , 2003, 278, 20268-20277.	3.4	84
50	Syndapins integrate N-WASP in receptor-mediated endocytosis. <i>EMBO Journal</i> , 2002, 21, 6083-6094.	7.8	187
51	Mammalian Abp1, a Signal-Responsive F-Actin-Binding Protein, Links the Actin Cytoskeleton to Endocytosis via the Gtpase Dynamin. <i>Journal of Cell Biology</i> , 2001, 153, 351-366.	5.2	210
52	Syndapin Isoforms Participate in Receptor-Mediated Endocytosis and Actin Organization. <i>Journal of Cell Biology</i> , 2000, 148, 1047-1062.	5.2	281
53	Molecular Links between Endocytosis and the Actin Cytoskeleton. <i>Journal of Cell Biology</i> , 2000, 150, F111-F116.	5.2	378
54	SH3-domain-containing proteins function at distinct steps in clathrin-coated vesicle formation. <i>Nature Cell Biology</i> , 1999, 1, 119-124.	10.3	267

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55	Syndapin I, a Synaptic Dynamin-binding Protein that Associates with the Neural Wiskott-Aldrich Syndrome Protein. <i>Molecular Biology of the Cell</i> , 1999, 10, 501-513.	2.1	291