

# William S Trimble

## List of Publications by Citations

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71  
papers

4,703  
citations

39  
h-index

68  
g-index

72  
ext. papers

5,403  
ext. citations

8.5  
avg, IF

5.34  
L-index

#	Paper	IF	Citations
71	The septin CDCrel-1 binds syntaxin and inhibits exocytosis. <i>Nature Neuroscience</i> , <b>1999</b> , 2, 434-9	25.5	317
70	Focal exocytosis of VAMP3-containing vesicles at sites of phagosome formation. <i>Journal of Cell Biology</i> , <b>2000</b> , 149, 697-706	7.3	266
69	Elimination of host cell PtdIns(4,5)P(2) by bacterial SigD promotes membrane fission during invasion by Salmonella. <i>Nature Cell Biology</i> , <b>2002</b> , 4, 766-73	23.4	246
68	Phosphatidylinositol polyphosphate binding to the mammalian septin H5 is modulated by GTP. <i>Current Biology</i> , <b>1999</b> , 9, 1458-67	6.3	225
67	The mammalian septin MSF localizes with microtubules and is required for completion of cytokinesis. <i>Molecular Biology of the Cell</i> , <b>2002</b> , 13, 3532-45	3.5	210
66	Structure of LIMP-2 provides functional insights with implications for SR-BI and CD36. <i>Nature</i> , <b>2013</b> , 504, 172-6	50.4	177
65	Cytoskeletal control of CD36 diffusion promotes its receptor and signaling function. <i>Cell</i> , <b>2011</b> , 146, 593-606	56.2	176
64	Distinct roles of septins in cytokinesis: SEPT9 mediates midbody abscission. <i>Journal of Cell Biology</i> , <b>2010</b> , 191, 741-9	7.3	163
63	Mammalian SEPT2 is required for scaffolding nonmuscle myosin II and its kinases. <i>Developmental Cell</i> , <b>2007</b> , 13, 677-690	10.2	152
62	VAPs and ACBD5 tether peroxisomes to the ER for peroxisome maintenance and lipid homeostasis. <i>Journal of Cell Biology</i> , <b>2017</b> , 216, 367-377	7.3	142
61	Barriers to the free diffusion of proteins and lipids in the plasma membrane. <i>Journal of Cell Biology</i> , <b>2015</b> , 208, 259-71	7.3	135
60	Amoeboid T lymphocytes require the septin cytoskeleton for cortical integrity and persistent motility. <i>Nature Cell Biology</i> , <b>2009</b> , 11, 17-26	23.4	131
59	SEPT9 occupies the terminal positions in septin octamers and mediates polymerization-dependent functions in abscission. <i>Journal of Cell Biology</i> , <b>2011</b> , 195, 815-26	7.3	118
58	Mammalian septins nomenclature. <i>Molecular Biology of the Cell</i> , <b>2002</b> , 13, 4111-3	3.5	104
57	A prototypic platelet septin and its participation in secretion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 3064-9	11.5	104
56	The septin CDCrel-1 is dispensable for normal development and neurotransmitter release. <i>Molecular and Cellular Biology</i> , <b>2002</b> , 22, 378-87	4.8	104
55	VAMP2, but not VAMP3/cellubrevin, mediates insulin-dependent incorporation of GLUT4 into the plasma membrane of L6 myoblasts. <i>Molecular Biology of the Cell</i> , <b>2000</b> , 11, 2403-17	3.5	97

54	Septins regulate developmental switching from microdomain to nanodomain coupling of Ca(2+) influx to neurotransmitter release at a central synapse. <i>Neuron</i> , <b>2010</b> , 67, 100-15	13.9	94
53	Syntaxin 5 is required for cytokinesis and spermatid differentiation in <i>Drosophila</i> . <i>Developmental Biology</i> , <b>2002</b> , 251, 294-306	3.1	83
52	The septin Sept5/CDCrel-1 competes with alpha-SNAP for binding to the SNARE complex. <i>Biochemical Journal</i> , <b>2005</b> , 385, 347-53	3.8	79
51	Identification of a human homologue of the vesicle-associated membrane protein (VAMP)-associated protein of 33 kDa (VAP-33): a broadly expressed protein that binds to VAMP. <i>Biochemical Journal</i> , <b>1998</b> , 333 ( Pt 2), 247-51	3.8	78
50	Cell and molecular biology of septins. <i>International Review of Cell and Molecular Biology</i> , <b>2014</b> , 310, 289-339	3.9	75
49	Septin 3 (G-septin) is a developmentally regulated phosphoprotein enriched in presynaptic nerve terminals. <i>Journal of Neurochemistry</i> , <b>2004</b> , 91, 579-90	6	75
48	Characterization of the mammalian septin H5: distinct patterns of cytoskeletal and membrane association from other septin proteins. <i>Cytoskeleton</i> , <b>1999</b> , 43, 52-62		73
47	Mammalian septins are required for phagosome formation. <i>Molecular Biology of the Cell</i> , <b>2008</b> , 19, 1717-26	3.6	72
46	VAP-A binds promiscuously to both v- and tSNAREs. <i>Biochemical and Biophysical Research Communications</i> , <b>2001</b> , 286, 616-21	3.4	72
45	Membrane dynamics in phagocytosis. <i>Seminars in Immunology</i> , <b>2001</b> , 13, 357-64	10.7	63
44	Stabilization of the actomyosin ring enables spermatocyte cytokinesis in <i>Drosophila</i> . <i>Molecular Biology of the Cell</i> , <b>2010</b> , 21, 1482-93	3.5	53
43	A functional role for VAP-33 in insulin-stimulated GLUT4 traffic. <i>Traffic</i> , <b>2000</b> , 1, 512-21	5.7	53
42	GTP binding and hydrolysis kinetics of human septin 2. <i>FEBS Journal</i> , <b>2006</b> , 273, 3248-60	5.7	52
41	Septin12 is a component of the mammalian sperm tail annulus. <i>Cytoskeleton</i> , <b>2007</b> , 64, 794-807		50
40	Septins: traffic control at the cytokinesis intersection. <i>Traffic</i> , <b>2005</b> , 6, 626-34	5.7	50
39	Presynaptic protein interactions in vivo: evidence from botulinum A, C, D and E action at frog neuromuscular junction. <i>European Journal of Neuroscience</i> , <b>1998</b> , 10, 2617-28	3.5	47
38	SNAP23 promotes insulin-dependent glucose uptake in 3T3-L1 adipocytes: possible interaction with cytoskeleton. <i>American Journal of Physiology - Cell Physiology</i> , <b>1999</b> , 276, C1108-14	5.4	47
37	Septins. <i>Current Biology</i> , <b>2011</b> , 21, R384-7	6.3	45

36	Role for myosin II in regulating positioning of Salmonella-containing vacuoles and intracellular replication. <i>Infection and Immunity</i> , <b>2008</b> , 76, 2722-35	3.7	44
35	Lysosomal integral membrane protein-2 (LIMP-2/SCARB2) is involved in lysosomal cholesterol export. <i>Nature Communications</i> , <b>2019</b> , 10, 3521	17.4	43
34	Superfluous role of mammalian septins 3 and 5 in neuronal development and synaptic transmission. <i>Molecular and Cellular Biology</i> , <b>2008</b> , 28, 7012-29	4.8	43
33	Membrane dynamics and organelle biogenesis-lipid pipelines and vesicular carriers. <i>BMC Biology</i> , <b>2017</b> , 15, 102	7.3	40
32	Phagolysosome resolution requires contacts with the endoplasmic reticulum and phosphatidylinositol-4-phosphate signalling. <i>Nature Cell Biology</i> , <b>2019</b> , 21, 1234-1247	23.4	38
31	Mitotic regulation of SEPT9 protein by cyclin-dependent kinase 1 (Cdk1) and Pin1 protein is important for the completion of cytokinesis. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 30075-30086	5.4	38
30	Characterization of presynaptic septin complexes in mammalian hippocampal neurons. <i>Biological Chemistry</i> , <b>2011</b> , 392, 739-49	4.5	36
29	Size uniformity of animal cells is actively maintained by a p38 MAPK-dependent regulation of G1-length. <i>ELife</i> , <b>2018</b> , 7,	8.9	34
28	Septins at a glance. <i>Journal of Cell Science</i> , <b>2011</b> , 124, 4141-6	5.3	32
27	LIV-1 ZIP ectodomain shedding in prion-infected mice resembles cellular response to transition metal starvation. <i>Journal of Molecular Biology</i> , <b>2012</b> , 422, 556-574	6.5	29
26	Uncovering principles that control septin-septin interactions. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 30406-13	5.4	29
25	TB or not TB: calcium regulation in mycobacterial survival. <i>Cell</i> , <b>2007</b> , 130, 12-4	56.2	28
24	Novel Host Proteins and Signaling Pathways in Enteropathogenic E. coli Pathogenesis Identified by Global Phosphoproteome Analysis. <i>Molecular and Cellular Proteomics</i> , <b>2015</b> , 14, 1927-45	7.6	25
23	Uncovering the Roles of Septins in Cilia. <i>Frontiers in Cell and Developmental Biology</i> , <b>2017</b> , 5, 36	5.7	25
22	Expression and analysis of properties of septin CDCrel-1 in exocytosis. <i>Methods in Enzymology</i> , <b>2001</b> , 329, 499-510	1.7	22
21	Revised subunit order of mammalian septin complexes explains their in vitro polymerization properties. <i>Molecular Biology of the Cell</i> , <b>2021</b> , 32, 289-300	3.5	22
20	Septin 2 phosphorylation: theoretical and mass spectrometric evidence for the existence of a single phosphorylation site in vivo. <i>Rapid Communications in Mass Spectrometry</i> , <b>2004</b> , 18, 1123-30	2.2	20
19	The ZIP5 ectodomain co-localizes with PrP and may acquire a PrP-like fold that assembles into a dimer. <i>PLoS ONE</i> , <b>2013</b> , 8, e72446	3.7	19

18	Probing the role of septins in cardiomyocytes. <i>Experimental Cell Research</i> , <b>2006</b> , 312, 1598-609	4.2	19
17	Multimerization and Retention of the Scavenger Receptor SR-B1 in the Plasma Membrane. <i>Developmental Cell</i> , <b>2019</b> , 50, 283-295.e5	10.2	15
16	Deletion analysis of the c-Ha-ras oncogene promoter. <i>FEBS Letters</i> , <b>1987</b> , 219, 70-4	3.8	11
15	OxLDL receptor chromatography from live human U937 cells identifies SYK(L) that regulates phagocytosis of oxLDL. <i>Analytical Biochemistry</i> , <b>2016</b> , 513, 7-20	3.1	11
14	Drosophila SNAP-29 is an essential SNARE that binds multiple proteins involved in membrane traffic. <i>PLoS ONE</i> , <b>2014</b> , 9, e91471	3.7	9
13	A non-canonical Hedgehog pathway initiates ciliogenesis and autophagy. <i>Journal of Cell Biology</i> , <b>2021</b> , 220,	7.3	9
12	A phagocytosis assay for oxidized low-density lipoprotein versus immunoglobulin G-coated microbeads in human U937 macrophages. <i>Analytical Biochemistry</i> , <b>2016</b> , 500, 24-34	3.1	7
11	Septin-regulated actin dynamics promote Salmonella invasion of host cells. <i>Cellular Microbiology</i> , <b>2018</b> , 20, e12866	3.9	7
10	Morphological transformation and tumorigenicity in C3H/10T1/2 cells transformed with an inducible c-Ha-ras oncogene. <i>Bioscience Reports</i> , <b>1987</b> , 7, 579-85	4.1	4
9	Revised subunit order of mammalian septin complexes explains their in vitro polymerization properties		4
8	Nonredundant roles of DIAPHs in primary ciliogenesis. <i>Journal of Biological Chemistry</i> , <b>2021</b> , 296, 100680-5.4	5.4	4
7	DIAPH1 regulates ciliogenesis and trafficking in primary cilia. <i>FASEB Journal</i> , <b>2020</b> , 34, 16516-16535	0.9	3
6	Single-molecule localization microscopy of septin bundles in mammalian cells. <i>Cytoskeleton</i> , <b>2019</b> , 76, 63-72	2.4	3
5	Cytoskeleton: septins do the horizontal tango. <i>Current Biology</i> , <b>2014</b> , 24, R324-7	6.3	1
4	The functions of Septins in Mammals 187-209		1
3	The complex web of canonical and non-canonical Hedgehog signaling.. <i>BioEssays</i> , <b>2022</b> , e2100183	4.1	0
2	Analysis of the mutant Drosophila N-ethylmaleimide sensitive fusion-1 protein in comatose reveals molecular correlates of the behavioural paralysis. <i>Journal of Neurochemistry</i> , <b>2001</b> , 78, 207-208	6	
1	The cytoskeleton reduces the diffusional dimensionality of CD36 and promotes its aggregation and signaling. <i>FASEB Journal</i> , <b>2009</b> , 23, 83.3	0.9	

