William S Trimble

List of Publications by Year
in descending order

70 papers	5,826 citations	66234 42 h-index	106150 65 g-index
72 all docs	72 docs citations	72 times ranked	5885 citing authors

#	Article	IF	Citations
1	The septin CDCrel-1 binds syntaxin and inhibits exocytosis. Nature Neuroscience, 1999, 2, 434-439.	7.1	339
2	Focal Exocytosis of Vamp3-Containing Vesicles at Sites of Phagosome Formation. Journal of Cell Biology, 2000, 149, 697-706.	2.3	297
3	Elimination of host cell PtdIns(4,5)P2 by bacterial SigD promotes membrane fission during invasion by Salmonella. Nature Cell Biology, 2002, 4, 766-773.	4.6	281
4	Phosphatidylinositol polyphosphate binding to the mammalian septin H5 is modulated by GTP. Current Biology, 1999, 9, 1458-1467.	1.8	266
5	The Mammalian Septin MSF Localizes with Microtubules and Is Required for Completion of Cytokinesis. Molecular Biology of the Cell, 2002, 13, 3532-3545.	0.9	239
6	Structure of LIMP-2 provides functional insights with implications for SR-BI and CD36. Nature, 2013, 504, 172-176.	13.7	226
7	Mammalian SEPT2 Is Required for Scaffolding Nonmuscle Myosin II and Its Kinases. Developmental Cell, 2007, 13, 677-690.	3.1	225
8	Cytoskeletal Control of CD36 Diffusion Promotes Its Receptor and Signaling Function. Cell, 2011, 146, 593-606.	13.5	217
9	VAPs and ACBD5 tether peroxisomes to the ER for peroxisome maintenance and lipid homeostasis. Journal of Cell Biology, 2017, 216, 367-377.	2.3	214
10	Distinct roles of septins in cytokinesis: SEPT9 mediates midbody abscission. Journal of Cell Biology, 2010, 191, 741-749.	2.3	204
11	Barriers to the free diffusion of proteins and lipids in the plasma membrane. Journal of Cell Biology, 2015, 208, 259-271.	2.3	179
12	Amoeboid T lymphocytes require the septin cytoskeleton for cortical integrity and persistent motility. Nature Cell Biology, 2009, 11, 17-26.	4.6	170
13	SEPT9 occupies the terminal positions in septin octamers and mediates polymerization-dependent functions in abscission. Journal of Cell Biology, 2011, 195, 815-826.	2.3	159
14	A prototypic platelet septin and its participation in secretion. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3064-3069.	3.3	120
15	The Septin CDCrel-1 Is Dispensable for Normal Development and Neurotransmitter Release. Molecular and Cellular Biology, 2002, 22, 378-387.	1.1	120
16	Mammalian Septins Nomenclature. Molecular Biology of the Cell, 2002, 13, 4111-4113.	0.9	112
17	Septins Regulate Developmental Switching from Microdomain to Nanodomain Coupling of Ca2+ Influx to Neurotransmitter Release at a Central Synapse. Neuron, 2010, 67, 100-115.	3.8	107
18	Cell and Molecular Biology of Septins. International Review of Cell and Molecular Biology, 2014, 310, 289-339.	1.6	104

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19	VAMP2, but Not VAMP3/Cellubrevin, Mediates Insulin-dependent Incorporation of GLUT4 into the Plasma Membrane of L6 Myoblasts. Molecular Biology of the Cell, 2000, 11, 2403-2417.	0.9	102
20	Lysosomal integral membrane protein-2 (LIMP-2/SCARB2) is involved in lysosomal cholesterol export. Nature Communications, 2019, 10, 3521.	5.8	99
21	The septin Sept5/CDCrel-1 competes with Î±-SNAP for binding to the SNARE complex. Biochemical Journal, 2005, 385, 347-353.	1.7	95
22	Mammalian Septins Are Required for Phagosome Formation. Molecular Biology of the Cell, 2008, 19, 1717-1726.	0.9	91
23	Septin 3 (G-septin) is a developmentally regulated phosphoprotein enriched in presynaptic nerve terminals. Journal of Neurochemistry, 2004, 91, 579-590.	2.1	89
24	Characterization of the mammalian septin H5: Distinct patterns of cytoskeletal and membrane association from other septin proteins. , 1999, 43, 52-62.		87
25	Syntaxin 5 Is Required for Cytokinesis and Spermatid Differentiation in Drosophila. Developmental Biology, 2002, 251, 294-306.	0.9	87
26	Identification of a human homologue of the vesicle-associated membrane protein (VAMP)-associated protein of 33ÂkDa (VAP-33): a broadly expressed protein that binds to VAMP. Biochemical Journal, 1998, 333, 247-251.	1.7	81
27	Phagolysosome resolution requires contacts with the endoplasmic reticulum and phosphatidylinositol-4-phosphate signalling. Nature Cell Biology, 2019, 21, 1234-1247.	4.6	80
28	VAP-A Binds Promiscuously to both v- and tSNAREs. Biochemical and Biophysical Research Communications, 2001, 286, 616-621.	1.0	78
29	Membrane dynamics in phagocytosis. Seminars in Immunology, 2001, 13, 357-364.	2.7	70
30	Membrane dynamics and organelle biogenesisâ€"lipid pipelines and vesicular carriers. BMC Biology, 2017, 15, 102.	1.7	63
31	A Functional Role for VAP-33 in Insulin-Stimulated GLUT4 Traffic. Traffic, 2000, 1, 512-521.	1.3	62
32	Stabilization of the Actomyosin Ring Enables Spermatocyte Cytokinesis in Drosophila. Molecular Biology of the Cell, 2010, 21, 1482-1493.	0.9	61
33	Size uniformity of animal cells is actively maintained by a p38 MAPK-dependent regulation of G1-length. ELife, 2018, 7, .	2.8	61
34	GTP binding and hydrolysis kinetics of human septin 2. FEBS Journal, 2006, 273, 3248-3260.	2.2	59
35	Sept12 is a component of the mammalian sperm tail annulus. Cytoskeleton, 2007, 64, 794-807.	4.4	58
36	SNAP23 promotes insulin-dependent glucose uptake in 3T3-L1 adipocytes: possible interaction with cytoskeleton. American Journal of Physiology - Cell Physiology, 1999, 276, C1108-C1114.	2.1	53

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37	Septins: Traffic Control at the Cytokinesis Intersection. Traffic, 2005, 6, 626-634.	1.3	53
38	Presynaptic protein interactionsin vivo: evidence from botulinum A, C, D and E action at frog neuromuscular junction. European Journal of Neuroscience, 1998, 10, 2617-2628.	1.2	52
39	Septins. Current Biology, 2011, 21, R384-R387.	1.8	51
40	Mitotic Regulation of SEPT9 Protein by Cyclin-dependent Kinase 1 (Cdk1) and Pin1 Protein Is Important for the Completion of Cytokinesis. Journal of Biological Chemistry, 2013, 288, 30075-30086.	1.6	50
41	Role for Myosin II in Regulating Positioning ofSalmonella-Containing Vacuoles and Intracellular Replication. Infection and Immunity, 2008, 76, 2722-2735.	1.0	49
42	Characterization of presynaptic septin complexes in mammalian hippocampal neurons. Biological Chemistry, 2011, 392, 739-749.	1.2	48
43	Superfluous Role of Mammalian Septins 3 and 5 in Neuronal Development and Synaptic Transmission. Molecular and Cellular Biology, 2008, 28, 7012-7029.	1.1	47
44	Revised subunit order of mammalian septin complexes explains their in vitro polymerization properties. Molecular Biology of the Cell, 2021, 32, 289-300.	0.9	47
45	Septins at a glance. Journal of Cell Science, 2011, 124, 4141-4146.	1.2	41
46	TB or not TB: Calcium Regulation in Mycobacterial Survival. Cell, 2007, 130, 12-14.	13.5	40
47	Uncovering Principles That Control Septin-Septin Interactions. Journal of Biological Chemistry, 2012, 287, 30406-30413.	1.6	36
48	Uncovering the Roles of Septins in Cilia. Frontiers in Cell and Developmental Biology, 2017, 5, 36.	1.8	33
49	Multimerization and Retention of the Scavenger Receptor SR-B1 in the Plasma Membrane. Developmental Cell, 2019, 50, 283-295.e5.	3.1	33
50	LIV-1 ZIP Ectodomain Shedding in Prion-Infected Mice Resembles Cellular Response to Transition Metal Starvation. Journal of Molecular Biology, 2012, 422, 556-574.	2.0	32
51	Novel Host Proteins and Signaling Pathways in Enteropathogenic E. coli Pathogenesis Identified by Global Phosphoproteome Analysis *. Molecular and Cellular Proteomics, 2015, 14, 1927-1945.	2.5	32
52	A non-canonical Hedgehog pathway initiates ciliogenesis and autophagy. Journal of Cell Biology, 2021, 220, .	2.3	31
53	[52] Expression and analysis of properties of septin CDCrel-1 in exocytosis. Methods in Enzymology, 2001, 329, 499-510.	0.4	24
54	Septin 2 phosphorylation: theoretical and mass spectrometric evidence for the existence of a single phosphorylation sitein vivo. Rapid Communications in Mass Spectrometry, 2004, 18, 1123-1130.	0.7	24

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55	Probing the role of septins in cardiomyocytes. Experimental Cell Research, 2006, 312, 1598-1609.	1.2	23
56	The ZIP5 Ectodomain Co-Localizes with PrP and May Acquire a PrP-Like Fold That Assembles into a Dimer. PLoS ONE, 2013, 8, e72446.	1.1	23
57	Septin-regulated actin dynamics promoteSalmonellainvasion of host cells. Cellular Microbiology, 2018, 20, e12866.	1.1	18
58	OxLDL receptor chromatography from live human U937 cells identifies SYK(L) that regulates phagocytosis of oxLDL. Analytical Biochemistry, 2016, 513, 7-20.	1.1	12
59	Deletion analysis of the c-Ha-ras oncogene promoter. FEBS Letters, 1987, 219, 70-74.	1.3	11
60	Drosophila SNAP-29 Is an Essential SNARE That Binds Multiple Proteins Involved in Membrane Traffic. PLoS ONE, 2014, 9, e91471.	1.1	10
61	The complex web of canonical and nonâ€canonical Hedgehog signaling. BioEssays, 2022, 44, e2100183.	1.2	10
62	DIAPH1 regulates ciliogenesis and trafficking in primary cilia. FASEB Journal, 2020, 34, 16516-16535.	0.2	8
63	A phagocytosis assay for oxidized low-density lipoprotein versus immunoglobulin G-coated microbeads in human U937 macrophages. Analytical Biochemistry, 2016, 500, 24-34.	1.1	7
64	Nonredundant roles of DIAPHs in primary ciliogenesis. Journal of Biological Chemistry, 2021, 296, 100680.	1.6	6
65	Singleâ€molecule localization microscopy of septin bundles in mammalian cells. Cytoskeleton, 2019, 76, 63-72.	1.0	5
66	Morphological transformation and tumorigenicity in C3H/10T1/2 cells transformed with an inducible c-Ha-ras oncogene. Bioscience Reports, 1987, 7, 579-585.	1.1	4
67	The functions of Septins in Mammals. , 0, , 187-209.		1
68	Cytoskeleton: Septins Do the Horizontal Tango. Current Biology, 2014, 24, R324-R327.	1.8	1
69	Analysis of the mutant Drosophila N-ethylmaleimide sensitive fusion-1 protein in comatose reveals molecular correlates of the behavioural paralysis. Journal of Neurochemistry, 2001, 78, 207-208.	2.1	0
70	The cytoskeleton reduces the diffusional dimensionality of CD36 and promotes its aggregation and signaling. FASEB Journal, 2009, 23, 83.3.	0.2	0