

Thomas F J Martin

List of Publications by Citations

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43
papers

4,020
citations

30
h-index

45
g-index

45
ext. papers

4,411
ext. citations

11.7
avg, IF

5.32
L-index

#	Paper	IF	Citations
43	ATP-dependent inositide phosphorylation required for Ca(2+)-activated secretion. <i>Nature</i> , 1995 , 374, 173-7	50.4	492
42	Phosphatidylinositol transfer protein required for ATP-dependent priming of Ca(2+)-activated secretion. <i>Nature</i> , 1993 , 366, 572-5	50.4	340
41	Synaptotagmin modulation of fusion pore kinetics in regulated exocytosis of dense-core vesicles. <i>Science</i> , 2001 , 294, 1111-5	33.3	252
40	G protein betagamma subunit-mediated presynaptic inhibition: regulation of exocytotic fusion downstream of Ca2+ entry. <i>Science</i> , 2001 , 292, 293-7	33.3	214
39	Ca2+-dependent synaptotagmin binding to SNAP-25 is essential for Ca2+-triggered exocytosis. <i>Neuron</i> , 2002 , 34, 599-611	13.9	207
38	PIP kinase Igamma is the major PI(4,5)P(2) synthesizing enzyme at the synapse. <i>Neuron</i> , 2001 , 32, 79-88	13.9	207
37	UNC-31 (CAPS) is required for dense-core vesicle but not synaptic vesicle exocytosis in <i>Caenorhabditis elegans</i> . <i>Journal of Neuroscience</i> , 2007 , 27, 6150-62	6.6	191
36	ARF6 regulates a plasma membrane pool of phosphatidylinositol(4,5)bisphosphate required for regulated exocytosis. <i>Journal of Cell Biology</i> , 2003 , 162, 647-59	7.3	189
35	Different domains of synaptotagmin control the choice between kiss-and-run and full fusion. <i>Nature</i> , 2003 , 424, 943-7	50.4	186
34	Phosphatidylinositol 4,5-bisphosphate regulates SNARE-dependent membrane fusion. <i>Journal of Cell Biology</i> , 2008 , 182, 355-66	7.3	174
33	CAPS acts at a prefusion step in dense-core vesicle exocytosis as a PIP2 binding protein. <i>Neuron</i> , 2004 , 43, 551-62	13.9	144
32	Synaptotagmin-1 utilizes membrane bending and SNARE binding to drive fusion pore expansion. <i>Molecular Biology of the Cell</i> , 2008 , 19, 5093-103	3.5	98
31	Identification of synaptotagmin effectors via acute inhibition of secretion from cracked PC12 cells. <i>Journal of Cell Biology</i> , 2003 , 162, 199-209	7.3	95
30	Tuning exocytosis for speed: fast and slow modes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2003 , 1641, 157-65	4.9	92
29	A Ca-stimulated exosome release pathway in cancer cells is regulated by Munc13-4. <i>Journal of Cell Biology</i> , 2018 , 217, 2877-2890	7.3	88
28	PI(4,5)P2 binding effector proteins for vesicle exocytosis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015 , 1851, 785-93	5	82
27	A family of Ca2+-dependent activator proteins for secretion: comparative analysis of structure, expression, localization, and function. <i>Journal of Biological Chemistry</i> , 2003 , 278, 52802-9	5.4	82

26	Botulinum neurotoxin light chain inhibits norepinephrine secretion in PC12 cells at an intracellular membranous or cytoskeletal site. <i>Journal of Neurochemistry</i> , 1991 , 57, 1413-21	6	74
25	Role of phosphoinositide signaling in the control of insulin exocytosis. <i>Molecular Endocrinology</i> , 2005 , 19, 3097-106		73
24	Membrane association domains in Ca ²⁺ -dependent activator protein for secretion mediate plasma membrane and dense-core vesicle binding required for Ca ²⁺ -dependent exocytosis. <i>Journal of Biological Chemistry</i> , 2002 , 277, 22025-34	5.4	70
23	Munc13-4 reconstitutes calcium-dependent SNARE-mediated membrane fusion. <i>Journal of Cell Biology</i> , 2012 , 197, 301-12	7.3	67
22	Role of PI(4,5)P(2) in vesicle exocytosis and membrane fusion. <i>Sub-Cellular Biochemistry</i> , 2012 , 59, 111-30	9.5	61
21	CAPS drives trans-SNARE complex formation and membrane fusion through syntaxin interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 17308-13	11.5	60
20	CAPS and Munc13: CATCHRs that SNARE Vesicles. <i>Frontiers in Endocrinology</i> , 2013 , 4, 187	5.7	56
19	Imaging of evoked dense-core-vesicle exocytosis in hippocampal neurons reveals long latencies and kiss-and-run fusion events. <i>Journal of Cell Science</i> , 2009 , 122, 75-82	5.3	55
18	CAPS and Munc13 utilize distinct PIP2-linked mechanisms to promote vesicle exocytosis. <i>Molecular Biology of the Cell</i> , 2014 , 25, 508-21	3.5	49
17	Synaptotagmins I and IX function redundantly in regulated exocytosis but not endocytosis in PC12 cells. <i>Journal of Cell Science</i> , 2007 , 120, 617-27	5.3	47
16	Novel interactions of CAPS (Ca ²⁺ -dependent activator protein for secretion) with the three neuronal SNARE proteins required for vesicle fusion. <i>Journal of Biological Chemistry</i> , 2010 , 285, 35320-9	5.4	38
15	A second SNARE role for exocytic SNAP25 in endosome fusion. <i>Molecular Biology of the Cell</i> , 2006 , 17, 2113-24	3.5	37
14	BAIAP3, a C2 domain-containing Munc13 protein, controls the fate of dense-core vesicles in neuroendocrine cells. <i>Journal of Cell Biology</i> , 2017 , 216, 2151-2166	7.3	30
13	Munc13 homology domain-1 in CAPS/UNC31 mediates SNARE binding required for priming vesicle exocytosis. <i>Cell Metabolism</i> , 2011 , 14, 254-63	24.6	30
12	A novel Munc13-4/S100A10/annexin A2 complex promotes Weibel-Palade body exocytosis in endothelial cells. <i>Molecular Biology of the Cell</i> , 2017 , 28, 1688-1700	3.5	22
11	Resident CAPS on dense-core vesicles docks and primes vesicles for fusion. <i>Molecular Biology of the Cell</i> , 2016 , 27, 654-68	3.5	21
10	Munc13-4 functions as a Ca sensor for homotypic secretory granule fusion to generate endosomal exocytic vacuoles. <i>Molecular Biology of the Cell</i> , 2017 , 28, 792-808	3.5	17
9	PRIP (phospholipase C-related but catalytically inactive protein) inhibits exocytosis by direct interactions with syntaxin 1 and SNAP-25 through its C2 domain. <i>Journal of Biological Chemistry</i> , 2013 , 288, 7769-7780	5.4	16

8	Phosphatidylinositol 4,5-bisphosphate regulation of SNARE function in membrane fusion mediated by CAPS. <i>Advances in Enzyme Regulation</i> , 2010 , 50, 62-70		13
7	CAPS activity in priming vesicle exocytosis requires CK2 phosphorylation. <i>Journal of Biological Chemistry</i> , 2009 , 284, 18707-14	5-4	11
6	Multiple mechanisms of growth inhibition by cyclic AMP derivatives in rat GH1 pituitary cells: isolation of an adenylate cyclase-deficient variant. <i>Journal of Cellular Physiology</i> , 1981 , 109, 289-97	7	11
5	The Vesicle Priming Factor CAPS Functions as a Homodimer via C2 Domain Interactions to Promote Regulated Vesicle Exocytosis. <i>Journal of Biological Chemistry</i> , 2016 , 291, 21257-21270	5-4	5
4	Phospholipase C α Activation Redirects Vesicle Trafficking by Regulating F-actin. <i>Journal of Biological Chemistry</i> , 2015 , 290, 29010-21	5-4	4
3	Small molecules that inhibit the late stage of Munc13-4-dependent secretory granule exocytosis in mast cells. <i>Journal of Biological Chemistry</i> , 2018 , 293, 8217-8229	5-4	4
2	The priming factor CAPS1 regulates dense-core vesicle acidification by interacting with rabconnectin3/WDR7 in neuroendocrine cells. <i>Journal of Biological Chemistry</i> , 2019 , 294, 9402-9415	5-4	3
1	High Throughput NPY-Venus and Serotonin Secretion Assays for Regulated Exocytosis in Neuroendocrine Cells. <i>Bio-protocol</i> , 2018 , 8,	0-9	2