Thomas F J Martin

List of Publications by Year
in descending order

45 papers	4,623 citations	136740 32 h-index	243296 44 g-index
45 all docs	45 docs citations	45 times ranked	3663 citing authors

#	Article	IF	Citations
1	ATP-dependent inositide phosphorylation required for Ca2+-activated secretion. Nature, 1995, 374, 173-177.	13.7	524
2	Phosphatidylinositol transfer protein required for ATP-dependent priming of Ca2+-activated secretion. Nature, 1993, 366, 572-575.	13.7	357
3	Synaptotagmin Modulation of Fusion Pore Kinetics in Regulated Exocytosis of Dense-Core Vesicles. Science, 2001, 294, 1111-1115.	6.0	278
4	UNC-31 (CAPS) Is Required for Dense-Core Vesicle But Not Synaptic Vesicle Exocytosis in Caenorhabditis elegans. Journal of Neuroscience, 2007, 27, 6150-6162.	1.7	261
5	G Protein beta gamma Subunit-Mediated Presynaptic Inhibition: Regulation of Exocytotic Fusion Downstream of Ca2+ Entry. Science, 2001, 292, 293-297.	6.0	246
6	Ca2+-Dependent Synaptotagmin Binding to SNAP-25 Is Essential for Ca2+-Triggered Exocytosis. Neuron, 2002, 34, 599-611.	3.8	224
7	PIP Kinase Iî³ Is the Major PI(4,5)P2 Synthesizing Enzyme at the Synapse. Neuron, 2001, 32, 79-88.	3.8	222
8	ARF6 regulates a plasma membrane pool of phosphatidylinositol(4,5)bisphosphate required for regulated exocytosis. Journal of Cell Biology, 2003, 162, 647-659.	2.3	213
9	Different domains of synaptotagmin control the choice between kiss-and-run and full fusion. Nature, 2003, 424, 943-947.	13.7	200
10	Phosphatidylinositol 4,5-bisphosphate regulates SNARE-dependent membrane fusion. Journal of Cell Biology, 2008, 182, 355-366.	2.3	195
11	CAPS Acts at a Prefusion Step in Dense-Core Vesicle Exocytosis as a PIP2 Binding Protein. Neuron, 2004, 43, 551-562.	3.8	161
12	A Ca2+-stimulated exosome release pathway in cancer cells is regulated by Munc13-4. Journal of Cell Biology, 2018, 217, 2877-2890.	2.3	159
13	PI(4,5)P2-binding effector proteins for vesicle exocytosis. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2015, 1851, 785-793.	1.2	118
14	Synaptotagmin-1 Utilizes Membrane Bending and SNARE Binding to Drive Fusion Pore Expansion. Molecular Biology of the Cell, 2008, 19, 5093-5103.	0.9	116
15	Tuning exocytosis for speed: fast and slow modes. Biochimica Et Biophysica Acta - Molecular Cell Research, 2003, 1641, 157-165.	1.9	105
16	Identification of synaptotagmin effectors via acute inhibition of secretion from cracked PC12 cells. Journal of Cell Biology, 2003, 162, 199-209.	2.3	100
17	A Family of Ca2+-Dependent Activator Proteins for Secretion. Journal of Biological Chemistry, 2003, 278, 52802-52809.	1.6	96
18	Botulinum Neurotoxin Light Chain Inhibits Norepinephrine Secretion in PC12 Cells at an Intracellular Membranous or Cytoskeletal Site. Journal of Neurochemistry, 1991, 57, 1413-1421.	2.1	78

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19	Role of PI(4,5)P2 in Vesicle Exocytosis and Membrane Fusion. Sub-Cellular Biochemistry, 2012, 59, 111-130.	1.0	78
20	Membrane Association Domains in Ca2+-dependent Activator Protein for Secretion Mediate Plasma Membrane and Dense-core Vesicle Binding Required for Ca2+-dependent Exocytosis. Journal of Biological Chemistry, 2002, 277, 22025-22034.	1.6	77
21	Munc13-4 reconstitutes calcium-dependent SNARE-mediated membrane fusion. Journal of Cell Biology, 2012, 197, 301-312.	2.3	75
22	Role of Phosphoinositide Signaling in the Control of Insulin Exocytosis. Molecular Endocrinology, 2005, 19, 3097-3106.	3.7	74
23	Imaging of evoked dense-core-vesicle exocytosis in hippocampal neurons reveals long latencies and kiss-and-run fusion events. Journal of Cell Science, 2009, 122, 75-82.	1.2	66
24	CAPS and Munc13: CATCHRs that SNARE Vesicles. Frontiers in Endocrinology, 2013, 4, 187.	1.5	66
25	CAPS drives <i>trans</i> -SNARE complex formation and membrane fusion through syntaxin interactions. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17308-17313.	3.3	65
26	CAPS and Munc13 utilize distinct PIP₂-linked mechanisms to promote vesicle exocytosis. Molecular Biology of the Cell, 2014, 25, 508-521.	0.9	59
27	Synaptotagmins I and IX function redundantly in regulated exocytosis but not endocytosis in PC12 cells. Journal of Cell Science, 2007, 120, 617-627.	1.2	50
28	BAIAP3, a C2 domainâ€"containing Munc13 protein, controls the fate of dense-core vesicles in neuroendocrine cells. Journal of Cell Biology, 2017, 216, 2151-2166.	2.3	45
29	Novel Interactions of CAPS (Ca2+-dependent Activator Protein for Secretion) with the Three Neuronal SNARE Proteins Required for Vesicle Fusion. Journal of Biological Chemistry, 2010, 285, 35320-35329.	1.6	44
30	A Second SNARE Role for Exocytic SNAP25 in Endosome Fusion. Molecular Biology of the Cell, 2006, 17, 2113-2124.	0.9	40
31	A novel Munc13-4/S100A10/annexin A2 complex promotes Weibelâ€"Palade body exocytosis in endothelial cells. Molecular Biology of the Cell, 2017, 28, 1688-1700.	0.9	36
32	Munc13 Homology Domain-1 in CAPS/UNC31 Mediates SNARE Binding Required for Priming Vesicle Exocytosis. Cell Metabolism, 2011, 14, 254-263.	7.2	35
33	Resident CAPS on dense-core vesicles docks and primes vesicles for fusion. Molecular Biology of the Cell, 2016, 27, 654-668.	0.9	32
34	Munc13-4 functions as a Ca²⁺sensor for homotypic secretory granule fusion to generate endosomal exocytic vacuoles. Molecular Biology of the Cell, 2017, 28, 792-808.	0.9	23
35	PRIP (Phospholipase C-related but Catalytically Inactive Protein) Inhibits Exocytosis by Direct Interactions with Syntaxin 1 and SNAP-25 through Its C2 Domain. Journal of Biological Chemistry, 2013, 288, 7769-7780.	1.6	19
36	Phosphatidylinositol 4,5-bisphosphate regulation of SNARE function in membrane fusion mediated by CAPS. Advances in Enzyme Regulation, 2010, 50, 62-70.	2.9	17

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37	CAPS Activity in Priming Vesicle Exocytosis Requires CK2 Phosphorylation. Journal of Biological Chemistry, 2009, 284, 18707-18714.	1.6	14
38	Greasing the Golgi budding machine. Nature, 1997, 387, 21-22.	13.7	12
39	Multiple mechanisms of growth inhibition by cyclic AMP derivatives in rat GH1 pituitary cells: Isolation of an adenylate cyclase-deficient variant. Journal of Cellular Physiology, 1981, 109, 289-297.	2.0	11
40	The Vesicle Priming Factor CAPS Functions as a Homodimer via C2 Domain Interactions to Promote Regulated Vesicle Exocytosis. Journal of Biological Chemistry, 2016, 291, 21257-21270.	1.6	11
41	The priming factor CAPS1 regulates dense-core vesicle acidification by interacting with rabconnectin3Î²/WDR7 in neuroendocrine cells. Journal of Biological Chemistry, 2019, 294, 9402-9415.	1.6	8
42	Small molecules that inhibit the late stage of Munc13-4â€“dependent secretory granule exocytosis in mast cells. Journal of Biological Chemistry, 2018, 293, 8217-8229.	1.6	5
43	Phospholipase CÎ·2 Activation Redirects Vesicle Trafficking by Regulating F-actin. Journal of Biological Chemistry, 2015, 290, 29010-29021.	1.6	4
44	High Throughput NPY-Venus and Serotonin Secretion Assays for Regulated Exocytosis in Neuroendocrine Cells. Bio-protocol, 2018, 8, .	0.2	3
45	CADPS functional mutations in patients with bipolar disorder increase the sensitivity to stress. Molecular Psychiatry, 2022, 27, 1145-1157.	4.1	1