

Thomas F J Martin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 | 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 |
| 42 | 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 |
| 41 | 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 |
| 40 | High Throughput NPY-Venus and Serotonin Secretion Assays for Regulated Exocytosis in Neuroendocrine Cells. <i>Bio-protocol</i> , 2018 , 8, | 0.9 | 2 |
| 39 | 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 |
| 38 | 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 |
| 37 | 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 |
| 36 | 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 |
| 35 | 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 |
| 34 | Phospholipase C α Activation Redirects Vesicle Trafficking by Regulating F-actin. <i>Journal of Biological Chemistry</i> , 2015 , 290, 29010-21 | 5.4 | 4 |
| 33 | PI(4,5)P β binding effector proteins for vesicle exocytosis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015 , 1851, 785-93 | 5 | 82 |
| 32 | 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 |
| 31 | CAPS and Munc13: CATCHRs that SNARE Vesicles. <i>Frontiers in Endocrinology</i> , 2013 , 4, 187 | 5.7 | 56 |
| 30 | 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 |
| 29 | Role of PI(4,5)P(2) in vesicle exocytosis and membrane fusion. <i>Sub-Cellular Biochemistry</i> , 2012 , 59, 111-30.5 | 3.5 | 61 |
| 28 | Munc13-4 reconstitutes calcium-dependent SNARE-mediated membrane fusion. <i>Journal of Cell Biology</i> , 2012 , 197, 301-12 | 7.3 | 67 |
| 27 | 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 |

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| 26 | 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 |
| 25 | 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 |
| 24 | 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 |
| 23 | 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 |
| 22 | CAPS activity in priming vesicle exocytosis requires CK2 phosphorylation. <i>Journal of Biological Chemistry</i> , 2009 , 284, 18707-14 | 5.4 | 11 |
| 21 | Phosphatidylinositol 4,5-bisphosphate regulates SNARE-dependent membrane fusion. <i>Journal of Cell Biology</i> , 2008 , 182, 355-66 | 7.3 | 174 |
| 20 | 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 |
| 19 | 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 |
| 18 | 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 |
| 17 | A second SNARE role for exocytic SNAP25 in endosome fusion. <i>Molecular Biology of the Cell</i> , 2006 , 17, 2113-24 | 3.5 | 37 |
| 16 | Role of phosphoinositide signaling in the control of insulin exocytosis. <i>Molecular Endocrinology</i> , 2005 , 19, 3097-106 | | 73 |
| 15 | CAPS acts at a pre-fusion step in dense-core vesicle exocytosis as a PIP2 binding protein. <i>Neuron</i> , 2004 , 43, 551-62 | 13.9 | 144 |
| 14 | Tuning exocytosis for speed: fast and slow modes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2003 , 1641, 157-65 | 4.9 | 92 |
| 13 | Different domains of synaptotagmin control the choice between kiss-and-run and full fusion. <i>Nature</i> , 2003 , 424, 943-7 | 50.4 | 186 |
| 12 | A family of Ca ²⁺ -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 |
| 11 | 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 |
| 10 | 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 |
| 9 | 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 |

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| 8 | Ca ²⁺ -dependent synaptotagmin binding to SNAP-25 is essential for Ca ²⁺ -triggered exocytosis. <i>Neuron</i> , 2002 , 34, 599-611 | 13.9 | 207 |
| 7 | Synaptotagmin modulation of fusion pore kinetics in regulated exocytosis of dense-core vesicles. <i>Science</i> , 2001 , 294, 1111-5 | 33.3 | 252 |
| 6 | PIP kinase Iγ is the major PI(4,5)P ₂ synthesizing enzyme at the synapse. <i>Neuron</i> , 2001 , 32, 79-88 | 13.9 | 207 |
| 5 | G protein βγ subunit-mediated presynaptic inhibition: regulation of exocytotic fusion downstream of Ca ²⁺ entry. <i>Science</i> , 2001 , 292, 293-7 | 33.3 | 214 |
| 4 | ATP-dependent inositol phosphorylation required for Ca ²⁺ -activated secretion. <i>Nature</i> , 1995 , 374, 173-7 | 50.4 | 492 |
| 3 | Phosphatidylinositol transfer protein required for ATP-dependent priming of Ca ²⁺ -activated secretion. <i>Nature</i> , 1993 , 366, 572-5 | 50.4 | 340 |
| 2 | 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 |
| 1 | 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 |