Sally C Martin

List of Publications by Year
in descending order

57 papers	5,643 citations	87888 38 h-index	149698 56 g-index
62 all docs	62 docs citations	62 times ranked	7056 citing authors

#	Article	IF	Citations
1	Lipid droplets: a unified view of a dynamic organelle. Nature Reviews Molecular Cell Biology, 2006, 7, 373-378.	37.0	1,036
2	PTRF-Cavin, a Conserved Cytoplasmic Protein Required for Caveola Formation and Function. Cell, 2008, 132, 113-124.	28.9	647
3	Regulated Localization of Rab18 to Lipid Droplets. Journal of Biological Chemistry, 2005, 280, 42325-42335.	3.4	257
4	Lipid droplet-organelle interactions; sharing the fats. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2009, 1791, 441-447.	2.4	218
5	The glucose transporter (GLUT-4) and vesicle-associated membrane protein-2 (VAMP-2) are segregated from recycling endosomes in insulin-sensitive cells.. Journal of Cell Biology, 1996, 134, 625-635.	5.2	200
6	Flotillin-1/Reggie-2 Traffics to Surface Raft Domains via a Novel Golgi-independent Pathway. Journal of Biological Chemistry, 2002, 277, 48834-48841.	3.4	200
7	GLUT4 Recycles via atrans-Golgi Network (TGN) Subdomain Enriched in Syntaxins 6 and 16 But Not TGN38: Involvement of an Acidic Targeting Motif. Molecular Biology of the Cell, 2003, 14, 973-986.	2.1	192
8	Dynamic and Regulated Association of Caveolin with Lipid Bodies: Modulation of Lipid Body Motility and Function by a Dominant Negative Mutant. Molecular Biology of the Cell, 2004, 15, 99-110.	2.1	185
9	Cholesterol and Fatty Acids Regulate Dynamic Caveolin Trafficking through the Golgi Complex and between the Cell Surface and Lipid Bodies. Molecular Biology of the Cell, 2005, 16, 2091-2105.	2.1	184
10	Intracellular Localization of Phosphatidylinositide 3-kinase and Insulin Receptor Substrate-1 in Adipocytes: Potential Involvement of a Membrane Skeleton. Journal of Cell Biology, 1998, 140, 1211-1225.	5.2	171
11	Caveolin, cholesterol, and lipid bodies. Seminars in Cell and Developmental Biology, 2005, 16, 163-174.	5.0	160
12	The Role of Ca2+ in Insulin-stimulated Glucose Transport in 3T3-L1 Cells. Journal of Biological Chemistry, 2001, 276, 27816-27824.	3.4	135
13	Dynamin Inhibition Blocks Botulinum Neurotoxin Type A Endocytosis in Neurons and Delays Botulism. Journal of Biological Chemistry, 2011, 286, 35966-35976.	3.4	134
14	Control of Autophagosome Axonal Retrograde Flux by Presynaptic Activity Unveiled Using Botulinum Neurotoxin Type A. Journal of Neuroscience, 2015, 35, 6179-6194.	3.6	122
15	GS15 Forms a SNARE Complex with Syntaxin 5, GS28, and Ykt6 and Is Implicated in Traffic in the Early Cisternae of the Golgi Apparatus. Molecular Biology of the Cell, 2002, 13, 3493-3507.	2.1	111
16	The cytosolic C-terminus of the glucose transporter GLUT4 contains an acidic cluster endosomal targeting motif distal to the dileucine signal. Biochemical Journal, 2000, 350, 99-107.	3.7	84
17	Caveolin-1 orchestrates the balance between glucose and lipid-dependent energy metabolism: Implications for liver regeneration. Hepatology, 2012, 55, 1574-1584.	7.3	82
18	Quantitative Analysis of Lipid Droplet Fusion: Inefficient Steady State Fusion but Rapid Stimulation by Chemical Fusogens. PLoS ONE, 2010, 5, e15030.	2.5	77

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19	Glucose Transporter (GLUT-4) Is Targeted to Secretory Granules in Rat Atrial Cardiomyocytes. Journal of Cell Biology, 1997, 137, 1243-1254.	5.2	73
20	Myosin VI small insert isoform maintains exocytosis by tethering secretory granules to the cortical actin. Journal of Cell Biology, 2013, 200, 301-320.	5.2	68
21	A Novel Hook-Related Protein Family and the Characterization of Hook-Related Protein 1. Traffic, 2005, 6, 442-458.	2.7	67
22	Activity-driven relaxation of the cortical actomyosin II network synchronizes Munc18-1-dependent neurosecretory vesicle docking. Nature Communications, 2015, 6, 6297.	12.8	67
23	Aberrant dysferlin trafficking in cells lacking caveolin or expressing dystrophy mutants of caveolin-3. Human Molecular Genetics, 2006, 15, 129-142.	2.9	66
24	Inhibition of PIKfyve by YM-201636 Dysregulates Autophagy and Leads to Apoptosis-Independent Neuronal Cell Death. PLoS ONE, 2013, 8, e60152.	2.5	66
25	Nucleophosmin and Nucleolin Regulate K-Ras Plasma Membrane Interactions and MAPK Signal Transduction. Journal of Biological Chemistry, 2009, 284, 28410-28419.	3.4	61
26	Postlipolytic insulin-dependent remodeling of micro lipid droplets in adipocytes. Molecular Biology of the Cell, 2012, 23, 1826-1837.	2.1	59
27	Flux of signalling endosomes undergoing axonal retrograde transport is encoded by presynaptic activity and TrkB. Nature Communications, 2016, 7, 12976.	12.8	59
28	Caveolin-1 Is Necessary for Hepatic Oxidative Lipid Metabolism: Evidence for Crosstalk between Caveolin-1 and Bile Acid Signaling. Cell Reports, 2013, 4, 238-247.	6.4	56
29	GLUT4 Overexpression or Deficiency in Adipocytes of Transgenic Mice Alters the Composition of GLUT4 Vesicles and the Subcellular Localization of GLUT4 and Insulin-responsive Aminopeptidase. Journal of Biological Chemistry, 2004, 279, 21598-21605.	3.4	52
30	Co-Regulation of Cell Polarization and Migration by Caveolar Proteins PTRF/Cavin-1 and Caveolin-1. PLoS ONE, 2012, 7, e43041.	2.5	49
31	Increased Polyubiquitination and Proteasomal Degradation of a Munc18-1 Disease-Linked Mutant Causes Temperature-Sensitive Defect in Exocytosis. Cell Reports, 2014, 9, 206-218.	6.4	49
32	The Munc18-1 domain 3a loop is essential for neuroexocytosis but not for syntaxin-1A transport to the plasma membrane. Journal of Cell Science, 2013, 126, 2353-2360.	2.0	47
33	Radial contractility of actomyosin rings facilitates axonal trafficking and structural stability. Journal of Cell Biology, 2020, 219, .	5.2	45
34	Caveolin-1 Deficiency Leads to Increased Susceptibility to Cell Death and Fibrosis in White Adipose Tissue: Characterization of a Lipodystrophic Model. PLoS ONE, 2012, 7, e46242.	2.5	45
35	Biogenesis of Insulin-Responsive GLUT4 Vesicles is Independent of Brefeldin A-Sensitive Trafficking. Traffic, 2000, 1, 652-660.	2.7	44
36	Adipsin and the Glucose Transporter GLUT4 Traffic to the Cell Surface via Independent Pathways in Adipocytes. Traffic, 2000, 1, 141-151.	2.7	43

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37	An Acto-Myosin II Constricting Ring Initiates the Fission of Activity-Dependent Bulk Endosomes in Neurosecretory Cells. Journal of Neuroscience, 2015, 35, 1380-1389.	3.6	43
38	Characterization of Rab18, a Lipid Dropletâ€"Associated Small GTPase. Methods in Enzymology, 2008, 438, 109-129.	1.0	42
39	Rapid and Efficient Generation of Myelinating Human Oligodendrocytes in Organoids. Frontiers in Cellular Neuroscience, 2021, 15, 631548.	3.7	40
40	Extracellular vesicles secreted by highly metastatic clonal variants of osteosarcoma preferentially localize to the lungs and induce metastatic behaviour in poorly metastatic clones. Oncotarget, 2016, 7, 43570-43587.	1.8	38
41	Spatiotemporal Regulation of Early Lipolytic Signaling in Adipocytes. Journal of Biological Chemistry, 2009, 284, 32097-32107.	3.4	34
42	Botulinum neurotoxin type-A enters a non-recycling pool of synaptic vesicles. Scientific Reports, 2016, 6, 19654.	3.3	32
43	Growth factor-induced stimulation of hexose transport in 3T3-L1 adipocytes: Evidence that insulin-induced translocation of glut4 is independent of activation of MAP kinase. Cellular Signalling, 1994, 6, 313-320.	3.6	28
44	GLUT4 trafficking in insulin-sensitive cells. Cell Biochemistry and Biophysics, 1999, 30, 89-113.	1.8	26
45	The cytosolic C-terminus of the glucose transporter GLUT4 contains an acidic cluster endosomal targeting motif distal to the dileucine signal. Biochemical Journal, 2000, 350, 99.	3.7	23
46	Heterofibrins: inhibitors of lipid droplet formation from a deep-water southern Australian marine sponge, Spongia (Heterofibria) sp.. Organic and Biomolecular Chemistry, 2010, 8, 3188.	2.8	22
47	Secretagogue Stimulation of Neurosecretory Cells Elicits Filopodial Extensions Uncovering New Functional Release Sites. Journal of Neuroscience, 2013, 33, 19143-19153.	3.6	21
48	Regulation of the glucose transporter GLUTI in mammalian cells. Biochemical Society Transactions, 1994, 22, 814-817.	3.4	17
49	A Mutant Tat Protein Inhibits HIV-1 Reverse Transcription by Targeting the Reverse Transcription Complex. Journal of Virology, 2015, 89, 4827-4836.	3.4	16
50	Caveolae, lipid droplets, and adipose tissue biology: pathophysiological aspects. Hormone Molecular Biology and Clinical Investigation, 2013, 15, 11-18.	0.7	15
51	Mutational analysis of the carboxy-terminal phosphorylation site of GLUT-4 in 3T3-L1 adipocytes. American Journal of Physiology - Endocrinology and Metabolism, 1998, 275, E412-E422.	3.5	9
52	High-Throughput Screening of Australian Marine Organism Extracts for Bioactive Molecules Affecting the Cellular Storage of Neutral Lipids. PLoS ONE, 2011, 6, e22868.	2.5	8
53	Distinct localization of renin and GLUT-4 in juxtaglomerular cells of mouse kidney. American Journal of Physiology - Renal Physiology, 1998, 274, F26-F33.	2.7	6
54	ENA/VASP proteins regulate exocytosis by mediating myosin VI-dependent recruitment of secretory granules to the cortical actin network. Molecular and Cellular Neurosciences, 2017, 84, 100-111.	2.2	4

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55	Mammalian glucose transporters: intracellular signalling and transporter translocation. Biochemical Society Transactions, 1994, 22, 664-667.	3.4	1
56	Caveolae and cell swelling. Focus on â€œStimulation by caveolin-1 of the hypotonicity-induced release of taurine and ATP at basolateral, but not apical, membrane of Caco-2 cellsâ€. American Journal of Physiology - Cell Physiology, 2006, 290, C1273-C1274.	4.6	1
57	Myosin VI small insert isoform maintains exocytosis by tethering secretory granules to the cortical actin. Journal of General Physiology, 2013, 141, i5-i5.	1.9	0