Robert D Burgoyne

List of Publications by Year
in descending order

325 papers	18,397 citations	10650 74 h-index	21239 119 g-index
390 all docs	390 docs citations	390 times ranked	12007 citing authors

#	Article	IF	Citations
1	Secretory Granule Exocytosis. Physiological Reviews, 2003, 83, 581-632.	13.1	753
2	The Rab5 effector EEA1 is a core component of endosome docking. Nature, 1999, 397, 621-625.	13.7	752
3	Neuronal calcium sensor proteins: generating diversity in neuronal Ca2+ signalling. Nature Reviews Neuroscience, 2007, 8, 182-193.	4.9	514
4	The neuronal calcium sensor family of Ca2+-binding proteins. Biochemical Journal, 2001, 353, 1-12.	1.7	429
5	SNARE proteins are highly enriched in lipid rafts in PC12 cells: Implications for the spatial control of exocytosis. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 5619-5624.	3.3	385
6	A role for calpactin in calcium-dependent exocytosis in adrenal chromaffin cells. Nature, 1989, 340, 313-315.	13.7	335
7	Glutamate acting on NMDA receptors stimulates neurite outgrowth from cerebellar granule cells. FEBS Letters, 1987, 223, 143-147.	1.3	294
8	The annexin family of calcium-binding proteins. Cell Calcium, 1989, 10, 1-10.	1.1	284
9	Control of exocytosis in adrenal chromaffin cells. BBA - Biomembranes, 1991, 1071, 174-202.	7.9	231
10	Protein phosphorylation and the regulation of synaptic membrane traffic. Trends in Neurosciences, 1999, 22, 459-464.	4.2	213
11	Distribution of two distinct Ca2+ -ATPase-like proteins and their relationships to the agonist-sensitive calcium store in adrenal chromaff in cells. Nature, 1989, 342, 72-74.	13.7	205
12	Exol and Exo2 proteins stimulate calcium-dependent exocytosis in permeabilized adrenal chromaff in cells. Nature, 1992, 355, 833-836.	13.7	201
13	Control of Fusion Pore Dynamics During Exocytosis by Munc18. Science, 2001, 291, 875-878.	6.0	195
14	Ca2+ and secretory-vesicle dynamics. Trends in Neurosciences, 1995, 18, 191-196.	4.2	193
15	The neuronal calcium sensor family of Ca2+-binding proteins. Biochemical Journal, 2000, 353, 1.	1.7	188
16	Neuronal Ca2+-sensor proteins: multitalented regulators of neuronal function. Trends in Neurosciences, 2004, 27, 203-209.	4.2	188
17	Distinct effects of alpha-SNAP, 14-3-3 proteins, and calmodulin on priming and triggering of regulated exocytosis.. Journal of Cell Biology, 1995, 130, 1063-1070.	2.3	184
18	The cellular neurobiology of neuronal development: The cerebellar granule cell. Brain Research Reviews, 1988, 13, 77-101.	9.1	181

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19	Nicotine-evoked disassembly of cortical actin filaments in adrenal chromaffin cells. FEBS Letters, 1986, 207, 110-114.	1.3	173
20	Stimulation of NSF ATPase Activity by Î±-SNAP Is Required for SNARE Complex Disassembly and Exocytosis. Journal of Cell Biology, 1997, 139, 875-883.	2.3	169
21	Posttranslational modifications of alpha-tubulin: acetylated and detyrosinated forms in axons of rat cerebellum.. Journal of Cell Biology, 1987, 104, 1569-1574.	2.3	158
22	Mechanisms of secretion from adrenal chromaffin cells. BBA - Biomembranes, 1984, 779, 201-216.	7.9	154
23	Reorganisation of peripheral actin filaments as a prelude to exocytosis. Bioscience Reports, 1987, 7, 281-288.	1.1	151
24	Dynamin-dependent and dynamin-independent processes contribute to the regulation of single vesicle release kinetics and quantal size. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 7124-7129.	3.3	149
25	Neuronal Ca2+ Sensor 1, the Mammalian Homologue of Frequenin, Is Expressed in Chromaffin and PC12 Cells and Regulates Neurosecretion from Dense-core Granules. Journal of Biological Chemistry, 1998, 273, 22768-22772.	1.6	146
26	Role of phosphoinositides in STIM1 dynamics and store-operated calcium entry. Biochemical Journal, 2010, 425, 159-168.	1.7	138
27	Phosphorylation of Munc18 by Protein Kinase C Regulates the Kinetics of Exocytosis. Journal of Biological Chemistry, 2003, 278, 10538-10545.	1.6	132
28	Differential Use of Myristoyl Groups on Neuronal Calcium Sensor Proteins as a Determinant of Spatio-temporal Aspects of Ca2+ Signal Transduction. Journal of Biological Chemistry, 2002, 277, 14227-14237.	1.6	129
29	Interaction of Neuronal Calcium Sensor-1 and ADP-ribosylation Factor 1 Allows Bidirectional Control of Phosphatidylinositol 4-Kinase Î² and trans-Golgi Network-Plasma Membrane Traffic. Journal of Biological Chemistry, 2005, 280, 6047-6054.	1.6	129
30	Simultaneous measurements of cytosolic calcium and secretion in single bovine adrenal chromaffin cells by fluorescent imaging of fura-2 in cocultured cells.. Journal of Cell Biology, 1989, 109, 1219-1227.	2.3	128
31	Cysteine-String Protein. Journal of Neurochemistry, 2008, 74, 1781-1789.	2.1	126
32	Differential localisation of tyrosinated, detyrosinated, and acetylated ?-tubulins in neurites and growth cones of dorsal root ganglion neurons. Cytoskeleton, 1989, 12, 273-282.	4.4	117
33	Comparison of Cysteine String Protein (Csp) and Mutant Î±-SNAP Overexpression Reveals a Role for Csp in Late Steps of Membrane Fusion in Dense-Core Granule Exocytosis in Adrenal Chromaffin Cells. Journal of Neuroscience, 2000, 20, 1281-1289.	1.7	114
34	Complexin Regulates the Closure of the Fusion Pore during Regulated Vesicle Exocytosis. Journal of Biological Chemistry, 2002, 277, 18249-18252.	1.6	114
35	Ribosome-free Terminals of Rough ER Allow Formation of STIM1 Puncta and Segregation of STIM1 from IP3 Receptors. Current Biology, 2009, 19, 1648-1653.	1.8	114
36	Activation of the ATPase activity of heat-shock proteins Hsc70/Hsp70 by cysteine-string protein. Biochemical Journal, 1997, 322, 853-858.	1.7	113

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37	Neurotrophic effects of NMDA receptor activation on developing cerebellar granule cells. Journal of Neurocytology, 1993, 22, 689-695.	1.6	112
38	Synaptotagmin Interaction with the Syntaxin/SNAP-25 Dimer Is Mediated by an Evolutionarily Conserved Motif and Is Sensitive to Inositol Hexakisphosphate. Journal of Biological Chemistry, 2004, 279, 12574-12579.	1.6	111
39	Calcium-binding Protein 1 Is an Inhibitor of Agonist-evoked, Inositol 1,4,5-Trisphosphate-mediated Calcium Signaling. Journal of Biological Chemistry, 2004, 279, 547-555.	1.6	111
40	Spatial localization of the stimulus-induced rise in cytosolic Ca2+ in bovine adrenal chromaffin cells. FEBS Letters, 1989, 247, 429-434.	1.3	109
41	SNAP-25 is present in a SNARE complex in adrenal chromaffin cells. FEBS Letters, 1994, 351, 207-210.	1.3	109
42	Calcium-dependent regulation of exocytosis. Cell Calcium, 2005, 38, 343-353.	1.1	109
43	Effect of activation of muscarinic receptors on intracellular free calcium and secretion in bovine adrenal chromaffin cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 1985, 846, 167-173.	1.9	105
44	Neuronal Ca2+ Sensor 1. Journal of Biological Chemistry, 1999, 274, 30258-30265.	1.6	105
45	The control of cytoskeletal actin and exocytosis in intact and permeabilized adrenal chromaffin cells: role of calcium and protein kinase C. Cellular Signalling, 1989, 1, 323-334.	1.7	102
46	Analysis of regulated exocytosis in adrenal chromaffin cells: insights into NSF/SNAP/SNARE function. BioEssays, 1998, 20, 328-335.	1.2	102
47	Acetylated and detyrosinated ?-tubulins are co-localized in stable microtubules in rat meningeal fibroblasts. Cytoskeleton, 1987, 8, 284-291.	4.4	101
48	Is NSF a fusion protein?. Trends in Cell Biology, 1995, 5, 335-339.	3.6	101
49	Neuronal Ca2+ Sensor-1/Frequenin Functions in an Autocrine Pathway Regulating Ca2+ Channels in Bovine Adrenal Chromaffin Cells. Journal of Biological Chemistry, 2000, 275, 40082-40087.	1.6	99
50	Calcium and calmodulin in membrane fusion. Biochimica Et Biophysica Acta - Molecular Cell Research, 2003, 1641, 137-143.	1.9	99
51	Control of exocytosis. Nature, 1987, 328, 112-113.	13.7	98
52	Using C. elegans to discover therapeutic compounds for ageing-associated neurodegenerative diseases. Chemistry Central Journal, 2015, 9, 65.	2.6	98
53	A major role for protein kinase C in calcium-activated exocytosis in permeabilised adrenal chromaffin cells. FEBS Letters, 1988, 238, 151-155.	1.3	97
54	Proteins are secreted by both constitutive and regulated secretory pathways in lactating mouse mammary epithelial cells. Journal of Cell Biology, 1992, 117, 269-278.	2.3	96

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55	IL1 receptor accessory protein like, a protein involved in X-linked mental retardation, interacts with Neuronal Calcium Sensor-1 and regulates exocytosis. Human Molecular Genetics, 2003, 12, 1415-1425.	1.4	96
56	Calcium sensors in regulated exocytosis. Cell Calcium, 1998, 24, 367-376.	1.1	95
57	Measurement of exocytosis by amperometry in adrenal chromaffin cells: Effects of clostridial neurotoxins and activation of protein kinase C on fusion pore kinetics. Biochimie, 2000, 82, 469-479.	1.3	94
58	Phosphorylation of Cysteine String Protein by Protein Kinase A. Journal of Biological Chemistry, 2001, 276, 47877-47885.	1.6	93
59	Identification of a secretory granule-binding protein as caldesmon. Nature, 1986, 319, 68-70.	13.7	92
60	Early requirement for alpha -SNAP and NSF in the secretory cascade in chromaffin cells. EMBO Journal, 1999, 18, 3293-3304.	3.5	92
61	Receptor-activation of phospholipase A2 in cellular signalling. Trends in Biochemical Sciences, 1987, 12, 332-333.	3.7	87
62	A comparison of bradykinin, angiotensin II and muscarinic stimulation of cultured bovine adrenal chromaffin cells. Bioscience Reports, 1989, 9, 243-252.	1.1	87
63	Traffic of Kv4 K+ channels mediated by KChIP1 is via a novel post-ER vesicular pathway. Journal of Cell Biology, 2005, 171, 459-469.	2.3	87
64	The control of free arachidonic acid levels. Trends in Biochemical Sciences, 1990, 15, 365-366.	3.7	86
65	Immunocytochemical demonstration of alpha-tubulin modification during axonal maturation in the cerebellar cortex.. Journal of Cell Biology, 1984, 98, 347-351.	2.3	84
66	Characterisation of Distinct Inositol 1,4,5-Trisphosphate-Sensitive and Caffeine-Sensitive Calcium Stores in Digitonin-Permeabilised Adrenal Chromaffin Cells. Journal of Neurochemistry, 1991, 56, 1587-1593.	2.1	83
67	The Diversity of Calcium Sensor Proteins in the Regulation of Neuronal Function. Cold Spring Harbor Perspectives in Biology, 2010, 2, a004085-a004085.	2.3	83
68	Calpactin in exocytosis?. Nature, 1988, 331, 20-20.	13.7	82
69	Cysteine residues of SNAP-25 are required for SNARE disassembly and exocytosis, but not for membrane targeting. Biochemical Journal, 2001, 357, 625-634.	1.7	81
70	Cyclic GMP Regulates Nicotine-Induced Secretion from Cultured Bovine Adrenal Chromaffin Cells: Effects of 8?Bromo?Cyclic GMP, Atrial Natriuretic Peptide, and Nitroprusside (Nitric Oxide). Journal of Neurochemistry, 1990, 54, 1805-1808.	2.1	78
71	The Molecular Chaperone Function of the Secretory Vesicle Cysteine String Proteins. Journal of Biological Chemistry, 1997, 272, 31420-31426.	1.6	78
72	The Rab-Binding Protein Noc2 Is Associated with Insulin-Containing Secretory Granules and Is Essential for Pancreatic Î²-Cell Exocytosis. Molecular Endocrinology, 2004, 18, 117-126.	3.7	78

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73	Understanding the physiological roles of the neuronal calcium sensor proteins. Molecular Brain, 2012, 5, 2.	1.3	78
74	Calcium-Dependent Binding of Cytosolic Proteins by Chromaffin Granules from Adrenal Medulla. Journal of Neurochemistry, 1982, 38, 1735-1741.	2.1	75
75	Soluble <i>N</i>-ethylmaleimide-sensitive-factor attachment protein and <i>N</i>-ethylmaleimide-insensitive factors are required for Ca2+-stimulated exocytosis of insulin. Biochemical Journal, 1996, 314, 199-203.	1.7	75
76	Cysteine String Protein Functions Directly in Regulated Exocytosis. Molecular Biology of the Cell, 1998, 9, 2259-2267.	0.9	74
77	Dynamics and calcium sensitivity of the Ca2+/myristoyl switch protein hippocalcin in living cells. Journal of Cell Biology, 2003, 163, 715-721.	2.3	74
78	Identification of a Novel Cysteine String Protein Variant and Expression of Cysteine String Proteins in Non-neuronal Cells. Journal of Biological Chemistry, 1996, 271, 7320-7323.	1.6	72
79	Low molecular mass GTP-binding proteins of adrenal chromaffin cells are present on the secretory granule. FEBS Letters, 1989, 245, 122-126.	1.3	70
80	Cysteine String Proteins Are Associated with Chromaffin Granules. Journal of Biological Chemistry, 1996, 271, 19514-19517.	1.6	70
81	Localized Ca2+ uncaging reveals polarized distribution of Ca2+-sensitive Ca2+ release sites. Journal of Cell Biology, 2002, 158, 283-292.	2.3	69
82	Stimulation of catecholamine secretion from adrenal chromaffin cells by 14-3-3 proteins is due to reorganisation of the cortical actin network. FEBS Letters, 1995, 374, 77-81.	1.3	68
83	Neuronal Calcium Sensor-1 Regulation of Calcium Channels, Secretion, and Neuronal Outgrowth. Cellular and Molecular Neurobiology, 2010, 30, 1283-1292.	1.7	67
84	Munc18-1 Tuning of Vesicle Merger and Fusion Pore Properties. Journal of Neuroscience, 2011, 31, 9055-9066.	1.7	67
85	Small GTP-binding proteins. Trends in Biochemical Sciences, 1989, 14, 394-396.	3.7	66
86	Differential dynamics of Rab3A and Rab27A on secretory granules. Journal of Cell Science, 2007, 120, 973-984.	1.2	66
87	Fluorescent choleretic and cholestatic bile salts take different paths across the hepatocyte: transcytosis of glycolithocholate leads to an extensive redistribution of annexin II.. Journal of Cell Biology, 1994, 127, 401-410.	2.3	65
88	Cysteine residues of SNAP-25 are required for SNARE disassembly and exocytosis, but not for membrane targeting. Biochemical Journal, 2001, 357, 625.	1.7	65
89	Calcium Sensors in Neuronal Function and Dysfunction. Cold Spring Harbor Perspectives in Biology, 2019, 11, a035154.	2.3	65
90	Fast exocytosis and endocytosis triggered by depolarisation in single adrenal chromaffin cells before rapid Ca2+ current run-down. Pflugers Archiv European Journal of Physiology, 1995, 430, 213-219.	1.3	64

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91	Conserved Prefusion Protein Assembly in Regulated Exocytosis. Molecular Biology of the Cell, 2006, 17, 283-294.	0.9	64
92	Cysteine string protein (CSP) and its role in preventing neurodegeneration. Seminars in Cell and Developmental Biology, 2015, 40, 153-159.	2.3	62
93	Identification of a key domain in annexin and 14-3-3 proteins that stimulate calcium-dependent exocytosis in permeabilized adrenal chromaffin cells. FEBS Letters, 1993, 320, 207-210.	1.3	61
94	Common mechanisms for regulated exocytosis in the chromaffin cell and the synapse. Seminars in Cell and Developmental Biology, 1997, 8, 141-149.	2.3	61
95	Structural and Functional Deficits in a Neuronal Calcium Sensor-1 Mutant Identified in a Case of Autistic Spectrum Disorder. PLoS ONE, 2010, 5, e10534.	1.1	61
96	Evidence for an interaction between Golli and STIM1 in store-operated calcium entry. Biochemical Journal, 2010, 430, 453-460.	1.7	60
97	Specific binding of 125 I-calmodulin to and protein phosphorylation in adrenal chromaffin granule membranes. FEBS Letters, 1981, 131, 127-131.	1.3	59
98	raises cytosolic calcium concentration in rat cerebellar granule cells in culture. Neuroscience Letters, 1988, 91, 47-52.	1.0	59
99	Splitting the quantum: regulation of quantal release during vesicle fusion. Trends in Neurosciences, 2002, 25, 176-178.	4.2	59
100	Increased Incorporation of [3H]Fucose into Chick Brain Glycoproteins Following Training on a Passive Avoidance Task. Journal of Neurochemistry, 1980, 34, 1000-1006.	2.1	58
101	The caffeine-sensitive Ca2+store in bovine adrenal chromaffin cells; an examination of its role in triggering secretion and Ca2+homeostasis. FEBS Letters, 1990, 266, 91-95.	1.3	58
102	Munc18-1 Regulates Early and Late Stages of Exocytosis via Syntaxin-independent Protein Interactions. Molecular Biology of the Cell, 2005, 16, 470-482.	0.9	58
103	Neuritogenesis in cerebellar granule cells in vitro: a role for protein kinase C. Developmental Brain Research, 1990, 53, 40-46.	2.1	57
104	Secretion of milk proteins. Journal of Mammary Gland Biology and Neoplasia, 1998, 3, 275-286.	1.0	57
105	The cysteine-string domain of the secretory vesicle cysteine-string protein is required for membrane targeting. Biochemical Journal, 1998, 335, 205-209.	1.7	57
106	Tying Everything Together: The Multiple Roles of Cysteine String Protein (CSP) in Regulated Exocytosis. Traffic, 2003, 4, 653-659.	1.3	57
107	Residues within the myristoylation motif determine intracellular targeting of the neuronal Ca2+ sensor protein KChIP1 to post-ER transport vesicles and traffic of Kv4 K+ channels. Journal of Cell Science, 2003, 116, 4833-4845.	1.2	57
108	Membrane Trafficking: Three Steps to Fusion. Current Biology, 2007, 17, R255-R258.	1.8	57

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109	Presynaptic microtubules: Organisation and assembly/disassembly. Neuroscience, 1982, 7, 739-749.	1.1	56
110	Voltage-independent Inhibition of P/Q-type Ca2+Channels in Adrenal Chromaffin Cells via a Neuronal Ca2+Sensor-1-dependent Pathway Involves Src Family Tyrosine Kinase. Journal of Biological Chemistry, 2001, 276, 44804-44811.	1.6	56
111	The neuronal calcium-sensor proteins. Biochimica Et Biophysica Acta - Molecular Cell Research, 2004, 1742, 59-68.	1.9	56
112	Identification of Ca2+-dependent binding partners for the neuronal calcium sensor protein neurocalcin Î´: interaction with actin, clathrin and tubulin. Biochemical Journal, 2002, 363, 599-608.	1.7	55
113	Syntaxin/Munc18 Interactions in the Late Events during Vesicle Fusion and Release in Exocytosis. Journal of Biological Chemistry, 2004, 279, 32751-32760.	1.6	55
114	Analysis of the interacting partners of the neuronal calcium-binding proteins L-CaBP1, hippocalcin, NCS-1 and neurocalcinâ€…Î´. Proteomics, 2006, 6, 1822-1832.	1.3	55
115	S-nitrosylation of syntaxin 1 at Cys145 is a regulatory switch controlling Munc18-1 binding. Biochemical Journal, 2008, 413, 479-491.	1.7	55
116	Cysteine String Protein Interacts with and Modulates the Maturation of the Cystic Fibrosis Transmembrane Conductance Regulator. Journal of Biological Chemistry, 2002, 277, 28948-28958.	1.6	54
117	Binding of UNC-18 to the N-terminus of syntaxin is essential for neurotransmission in <i>Caenorhabditis elegans</i>. Biochemical Journal, 2009, 418, 73-80.	1.7	54
118	Recruitment of cytosolic proteins to a secretory granule membrane depends on Ca2+-calmodulin. Nature, 1983, 301, 432-435.	13.7	53
119	A gain-of-function mutant of Munc18-1 stimulates secretory granule recruitment and exocytosis and reveals a direct interaction of Munc18-1 with Rab3. Biochemical Journal, 2008, 409, 407-416.	1.7	53
120	Cysteine-string proteins regulate exocytosis of insulin independent from transmembrane ion fluxes. FEBS Letters, 1998, 437, 267-272.	1.3	52
121	Evidence Against an Acute Inhibitory Role of nSecâ€1 (Muncâ€18) in Late Steps of Regulated Exocytosis in Chromaffin and PC12 Cells. Journal of Neurochemistry, 1997, 69, 2369-2377.	2.1	50
122	Ins<i>P</i>3 receptors and Orai channels in pancreatic acinar cells: co-localization and its consequences. Biochemical Journal, 2011, 436, 231-239.	1.7	50
123	Regulation of the Muscarinic Acetylcholine Receptor: Effects of Phosphorylating Conditions on Agonist and Antagonist Binding. Journal of Neurochemistry, 1983, 40, 324-331.	2.1	49
124	Chaperoning the SNAREs: a role in preventing neurodegeneration?. Nature Cell Biology, 2011, 13, 8-9.	4.6	49
125	The stimulatory effect of calpactin (annexin II) on calcium-dependent exocytosis in chromaffin cells: Requirement for both the N-terminal and core domains of p36 and ATP. Cellular Signalling, 1990, 2, 265-276.	1.7	48
126	The Functions of Munc18â€1 in Regulated Exocytosis. Annals of the New York Academy of Sciences, 2009, 1152, 76-86.	1.8	48

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127	Sense and specificity in neuronal calcium signalling. Biochimica Et Biophysica Acta - Molecular Cell Research, 2015, 1853, 1921-1932.	1.9	48
128	The relationship between secretion and intracellular free calcium in bovine adrenal chromaffin cells. Bioscience Reports, 1984, 4, 605-611.	1.1	47
129	Identification of Ca2+-dependent binding partners for the neuronal calcium sensor protein neurocalcin Î´: interaction with actin, clathrin and tubulin. Biochemical Journal, 2002, 363, 599.	1.7	47
130	A Direct Inhibitory Role for the Rab3-specific Effector, Noc2, in Ca2+-regulated Exocytosis in Neuroendocrine Cells. Journal of Biological Chemistry, 2001, 276, 9726-9732.	1.6	46
131	Annexins in the endocytic pathway. Trends in Biochemical Sciences, 1994, 19, 231-232.	3.7	45
132	Neuronal Calcium Sensor-1 Binds the D2 Dopamine Receptor and G-protein-coupled Receptor Kinase 1 (GRK1) Peptides Using Different Modes of Interactions. Journal of Biological Chemistry, 2015, 290, 18744-18756.	1.6	45
133	Role of fodrin in secretion. Nature, 1987, 326, 448-448.	13.7	44
134	Intracellular Ca2+ and neuritogenesis in rat cerebellar granule cell cultures. Developmental Brain Research, 1992, 66, 25-32.	2.1	43
135	Characterization of the effects of Ca2+ depletion on the synthesis, phosphorylation and secretion of caseins in lactating mammary epithelial cells. Biochemical Journal, 1996, 317, 487-493.	1.7	42
136	High-affinity interaction of the N-terminal myristoylation motif of the neuronal calcium sensor protein hippocalcin with phosphatidylinositol 4,5-bisphosphate. Biochemical Journal, 2005, 391, 231-238.	1.7	42
137	Caenorhabditis elegans dnj-14, the orthologue of the DNAJC5 gene mutated in adult onset neuronal ceroid lipofuscinosis, provides a new platform for neuroprotective drug screening and identifies a SIR-2.1-independent action of resveratrol. Human Molecular Genetics, 2014, 23, 5916-5927.	1.4	42
138	A VAMP7/Vti1a SNARE complex distinguishes a non-conventional traffic route to the cell surface used by KChIP1 and Kv4 potassium channels. Biochemical Journal, 2009, 418, 529-540.	1.7	41
139	Regulation of the Fusion Pore Conductance during Exocytosis by Cyclin-dependent Kinase 5. Journal of Biological Chemistry, 2004, 279, 41495-41503.	1.6	40
140	Amisyn Regulates Exocytosis and Fusion Pore Stability by Both Syntaxin-dependent and Syntaxin-independent Mechanisms. Journal of Biological Chemistry, 2005, 280, 31615-31623.	1.6	40
141	ATP depletion induces translocation of STIM1 to puncta and formation of STIM1â€“ORAI1 clusters: translocation and re-translocation of STIM1 does not require ATP. Pflugers Archiv European Journal of Physiology, 2008, 457, 505-517.	1.3	40
142	The expression of excitatory amino acid binding sites during neuritogenesis in the developing rat cerebellum. Developmental Brain Research, 1990, 54, 265-271.	2.1	38
143	A model for the molecular basis of circadian rhythms involving monovalent ion-mediated translational control. FEBS Letters, 1978, 94, 17-19.	1.3	37
144	The loss of muscarinic acetylcholine receptors in synaptic membranes under phosphorylating conditions is dependent on calmodulin. FEBS Letters, 1981, 127, 144-148.	1.3	37

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145	Calcium transients in single adrenal chromaffin cells detected with aequorin. FEBS Letters, 1987, 211, 44-48.	1.3	37
146	Specificity, Promiscuity and Localization of ARF Protein Interactions with NCS-1 and Phosphatidylinositol-4 Kinase-IIIÎ². Traffic, 2007, 8, 1080-1092.	1.3	37
147	Evolution and functional diversity of the Calcium Binding Proteins (CaBPs). Frontiers in Molecular Neuroscience, 2012, 5, 9.	1.4	37
148	Generation and characterization of a lysosomally targeted, genetically encoded Ca2+-sensor. Biochemical Journal, 2013, 449, 449-457.	1.7	37
149	Effect of calmidazolium and phorbol ester on catecholamine secretion from adrenal chromaffin cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 1984, 805, 37-43.	1.9	36
150	Is the transient nature of the secretory response of chromaffin cells due to inactivation of calcium channels?. FEBS Letters, 1985, 182, 115-118.	1.3	35
151	L-type calcium channels in the regulation of neurite outgrowth from rat dorsal root ganglion neurons in culture. Neuroscience Letters, 1989, 104, 110-114.	1.0	35
152	Control of membrane fusion dynamics during regulated exocytosis. Biochemical Society Transactions, 2001, 29, 467-472.	1.6	35
153	Characterisation of the Interaction of the C-Terminus of the Dopamine D2 Receptor with Neuronal Calcium Sensor-1. PLoS ONE, 2011, 6, e27779.	1.1	35
154	Interaction of calmodulin with adrenal chromaffin granule membranes. FEBS Letters, 1982, 143, 69-72.	1.3	34
155	A Random Mutagenesis Approach to Isolate Dominant-Negative Yeast<i>sec1</i>Mutants Reveals a Functional Role for Domain 3a in Yeast and Mammalian Sec1/Munc18 Proteins. Genetics, 2008, 180, 165-178.	1.2	34
156	Sense and sensibility in the regulation of voltage-gated Ca2+ channels. Trends in Neurosciences, 2002, 25, 489-491.	4.2	33
157	Identification of Residues That Determine the Absence of a Ca2+/Myristoyl Switch in Neuronal Calcium Sensor-1. Journal of Biological Chemistry, 2004, 279, 14347-14354.	1.6	33
158	Botulinum neurotoxin light chains inhibit both Ca2+-induced and GTP analogue-induced catecholamine release from permeabilised adrenal chromaffin cells. FEBS Letters, 1996, 386, 137-140.	1.3	32
159	UNC-18 Modulates Ethanol Sensitivity in<i>Caenorhabditis elegans</i>. Molecular Biology of the Cell, 2009, 20, 43-55.	0.9	32
160	Subcellular locaization of increased incorporation of [3H]fucose following passive avoidance learning in the chick. Neuroscience Letters, 1980, 19, 343-348.	1.0	31
161	Synaptic development and microtubule organization. Cell and Tissue Research, 1983, 231, 93-102.	1.5	31
162	Molecular Analysis of SNAPâ€25 Function in Exocytosis. Annals of the New York Academy of Sciences, 2002, 971, 210-221.	1.8	31

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163	Ethosuximide ameliorates neurodegenerative disease phenotypes by modulating DAF-16/FOXO target gene expression. Molecular Neurodegeneration, 2015, 10, 51.	4.4	31
164	A possible role of synaptic-membrane protein phosphorylation in the regulation of muscarinic acetylcholine receptors. FEBS Letters, 1980, 122, 288-292.	1.3	30
165	Evidence for the presence of high-M r microtubule-associated proteins and their Ca2+ -dependent proteolysis in synaptosomal cytosol. FEBS Letters, 1982, 146, 273-277.	1.3	30
166	Locating intracellular calcium stores. Trends in Biochemical Sciences, 1991, 16, 319-320.	3.7	30
167	Immunofluorescence distribution of Î± tubulin, Î² tubulin and microtubule-associated protein 2 during in vitro maturation of cerebellar granule cell neurones. Neuroscience, 1984, 12, 775-782.	1.1	29
168	Activation of metabotropic glutamate receptors by L-AP4 stimulates survival of rat cerebellar granule cells in culture. European Journal of Pharmacology, 1994, 288, 115-123.	2.7	29
169	Identification of common genetic modifiers of neurodegenerative diseases from an integrative analysis of diverse genetic screens in model organisms. BMC Genomics, 2012, 13, 71.	1.2	29
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