Gwyn W Gould

List of Publications by Year
in descending order

200	11,523	28274	32842
papers	citations	55 h-index	100 g-index

205	205	205	9445
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The glucose transporter family: structure, function and tissue-specific expression. Biochemical Journal, 1993, 295, 329-341.	3.7	731
2	Low Grade Chronic Inflammation in Women with Polycystic Ovarian Syndrome. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 2453-2455.	3.6	546
3	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.	7.1	385
4	Direct Activation of AMP-activated Protein Kinase Stimulates Nitric-oxide Synthesis in Human Aortic Endothelial Cells. Journal of Biological Chemistry, 2003, 278, 31629-31639.	3.4	312
5	Stress-activated Protein Kinases: Activation, Regulation and Function. Cellular Signalling, 1997, 9, 403-410.	3.6	303
6	Facilitative glucose transporters: an expanding family. Trends in Biochemical Sciences, 1990, 15, 18-23.	7.5	297
7	Expression of human glucose transporters in Xenopus oocytes: kinetic characterization and substrate specificities of the erythrocyte, liver, and brain isoforms. Biochemistry, 1991, 30, 5139-5145.	2.5	291
8	Rab11-FIP3 and FIP4 interact with Arf6 and the Exocyst to control membrane traffic in cytokinesis. EMBO Journal, 2005, 24, 3389-3399.	7.8	288
9	The FIP3-Rab11 Protein Complex Regulates Recycling Endosome Targeting to the Cleavage Furrow during Late Cytokinesis. Molecular Biology of the Cell, 2005, 16, 849-860.	2.1	284
10	Human facilitative glucose transporters. Isolation, functional characterization, and gene localization of cDNAs encoding an isoform (GLUT5) expressed in small intestine, kidney, muscle, and adipose tissue and an unusual glucose transporter pseudogene-like sequence (GLUT6). Journal of Biological Chemistry, 1990, 265, 13276-82.	3.4	266
11	Altered Vascular Function in Young Women with Polycystic Ovary Syndrome. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 742-746.	3.6	220
12	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
13	New roles for endosomes: from vesicular carriers to multi-purpose platforms. Nature Reviews Molecular Cell Biology, 2009, 10, 287-292.	37.0	192
14	Actin cytoskeleton remodeling during early Drosophila furrow formation requires recycling endosomal components Nuclear-fallout and Rab11. Journal of Cell Biology, 2003, 163, 143-154.	5.2	179
15	Kinetic analysis of the liver-type (GLUT2) and brain-type (GLUT3) glucose transporters in Xenopus oocytes: substrate specificities and effects of transport inhibitors. Biochemical Journal, 1993, 290, 701-706.	3.7	149
16	Immunological Analysis of Glucose Transporters Expressed in Different Regions of the Rat Brain and Central Nervous System. Biochemical and Biophysical Research Communications, 1993, 192, 1297-1302.	2.1	138
17	Arfophilins Are Dual Arf/Rab 11 Binding Proteins That Regulate Recycling Endosome Distribution and Are Related toDrosophilaNuclear Fallout. Molecular Biology of the Cell, 2003, 14, 2908-2920.	2.1	138
18	Compartment ablation analysis of the insulin-responsive glucose transporter (GLUT4) in 3T3-L1 adipocytes. Biochemical Journal, 1996, 315, 487-495.	3.7	137

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19	Vesicle-associated Membrane Protein 2 Plays a Specific Role in the Insulin-dependent Trafficking of the Facilitative Glucose Transporter GLUT4 in 3T3-L1 Adipocytes. Journal of Biological Chemistry, 1998, 273, 1444-1452.	3.4	132
20	Growth factors, mitogens, oncogenes and the regulation of glucose transport. Cellular Signalling, 1993, 5, 667-675.	3.6	120
21	Lipid Raft Association of SNARE Proteins Regulates Exocytosis in PC12 Cells. Journal of Biological Chemistry, 2005, 280, 19449-19453.	3.4	119
22	Low Grade Chronic Inflammation in Women with Polycystic Ovarian Syndrome. Journal of Clinical Endocrinology and Metabolism, 2001, 86, 2453-2455.	3.6	119
23	Sugar transporters from bacteria, parasites and mammals: structureâ€“activity relationships. Trends in Biochemical Sciences, 1998, 23, 476-481.	7.5	118
24	The Vesicle- and Target-SNARE Proteins That Mediate Glut4 Vesicle Fusion Are Localized in Detergent-insoluble Lipid Rafts Present on Distinct Intracellular Membranes. Journal of Biological Chemistry, 2002, 277, 49750-49754.	3.4	118
25	QLS Motif in Transmembrane Helix VII of the Glucose Transporter Family Interacts with the C-1 Position ofd-Glucose and Is Involved in Substrate Selection at the Exofacial Binding Siteâ€. Biochemistry, 1998, 37, 1322-1326.	2.5	115
26	A regulatory role for cAMP in phosphatidylinositol 3-kinase/p70 ribosomal S6 kinase-mediated DNA synthesis in platelet-derived-growth-factor-stimulated bovine airway smooth-muscle cells. Biochemical Journal, 1996, 318, 965-971.	3.7	113
27	5-aminoimidazole-4-carboxamide ribonucleoside (AICAR) inhibits insulin-stimulated glucose transport in 3T3-L1 adipocytes. Diabetes, 2000, 49, 1649-1656.	0.6	109
28	The regulation of GLUT5 and GLUT2 activity in the adaptation of intestinal brush-border fructose transport in diabetes. Pflugers Archiv European Journal of Physiology, 1996, 432, 192-201.	2.8	108
29	Insect renal tubules constitute a cell-autonomous immune system that protects the organism against bacterial infection. Insect Biochemistry and Molecular Biology, 2005, 35, 741-754.	2.7	108
30	Distribution of GLUT3 glucose transporter protein in human tissues. Biochemical and Biophysical Research Communications, 1992, 188, 149-154.	2.1	106
31	Trypsin stimulates proteinase-activated receptor-2-dependent and -independent activation of mitogen-activated protein kinases. Biochemical Journal, 1996, 320, 939-946.	3.7	106
32	A kinetic model for the Ca2+ + Mg2+-activated ATPase of sarcoplasmic reticulum. Biochemical Journal, 1986, 237, 217-227.	3.7	105
33	Involvement of Mitogen-Activated Protein Kinase Homologues in the Regulation of Lipopolysaccharide-Mediated Induction of Cyclo-oxygenase-2 but not Nitric Oxide Synthase in RAW 264.7 Macrophages. Cellular Signalling, 1999, 11, 491-497.	3.6	100
34	The Human-Specific and Smooth Muscle Cell-Enriched LncRNA SMILR Promotes Proliferation by Regulating Mitotic CENPF mRNA and Drives Cell-Cycle Progression Which Can Be Targeted to Limit Vascular Remodeling. Circulation Research, 2019, 125, 535-551.	4.5	100
35	The activation of distinct mitogen-activated protein kinase cascades is required for the stimulation of 2-deoxyglucose uptake by interleukin-1 and insulin-like growth factor-1 in KB cells. Biochemical Journal, 1995, 311, 735-738.	3.7	93
36	Breaking up is hard to do â€“ membrane traffic in cytokinesis. Journal of Cell Science, 2008, 121, 1569-1576.	2.0	92

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37	The SNARE Proteins SNAP-25 and SNAP-23 Display Different Affinities for Lipid Rafts in PC12 Cells. Journal of Biological Chemistry, 2005, 280, 1236-1240.	3.4	90
38	Syntaxin 6 Regulates Glut4 Trafficking in 3T3-L1 Adipocytes. Molecular Biology of the Cell, 2003, 14, 2946-2958.	2.1	88
39	GLUT4 vesicle dynamics in living 3T3 L1 adipocytes visualized with green-fluorescent protein. Biochemical Journal, 1997, 327, 637-642.	3.7	84
40	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
41	Regulation of caveolar endocytosis by syntaxin 6-dependent delivery of membrane components to the cell surface. Nature Cell Biology, 2006, 8, 317-328.	10.3	84
42	Sequential Cyk-4 binding to ECT2 and FIP3 regulates cleavage furrow ingression and abscission during cytokinesis. EMBO Journal, 2008, 27, 1791-1803.	7.8	84
43	Expression of a functional glucose transporter in Xenopus oocytes. Biochemistry, 1989, 28, 9447-9452.	2.5	79
44	Vesicle trafficking and membrane remodelling in cytokinesis. Biochemical Journal, 2011, 437, 13-24.	3.7	79
45	Insulin-stimulated translocation of the HepG2/erythrocyte-type glucose transporter expressed in 3T3-L1 adipocytes. Journal of Biological Chemistry, 1989, 264, 2180-4.	3.4	77
46	Differential Regulation of Secretory Compartments Containing the Insulin-responsive Glucose Transporter 4 in 3T3-L1 Adipocytes. Molecular Biology of the Cell, 1999, 10, 3675-3688.	2.1	72
47	Role of endosomal Rab GTPases in cytokinesis. European Journal of Cell Biology, 2007, 86, 25-35.	3.6	71
48	Structureâ^'Function Analysis of Liver-Type (GLUT2) and Brain-Type (GLUT3) Glucose Transporters:Â Expression of Chimeric Transporters inXenopusOocytes Suggests an Important Role for Putative Transmembrane Helix 7 in Determining Substrate Selectivityâ€. Biochemistry, 1996, 35, 16519-16527.	2.5	69
49	Insulin-induced translocation of glucose transporters to the plasma membrane precedes full stimulation of hexose transport. Biochemistry, 1988, 27, 6681-6685.	2.5	67
50	Structure and function of facultative sugar transporters. Current Opinion in Cell Biology, 1999, 11, 496-502.	5.4	67
51	Glucose transporters in rat peripheral nerve: Paranodal expression of GLUT1 and GLUT3. Metabolism: Clinical and Experimental, 1996, 45, 1466-1473.	3.4	64
52	A Specific Elevation in Tissue Plasminogen Activator Antigen in Women with Polycystic Ovarian Syndrome. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 3287-3290.	3.6	62
53	Mammalian Exocyst Complex Is Required for the Docking Step of InsulinVesicle Exocytosis. Journal of Biological Chemistry, 2005, 280, 25565-25570.	3.4	62
54	Cd36 and molecular mechanisms of insulin resistance in the stroke-prone spontaneously hypertensive rat.. Diabetes, 2000, 49, 2222-2226.	0.6	58

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55	Real Time Visualization of Agonist-mediated Redistribution and Internalization of a Green Fluorescent Protein-tagged Form of the Thyrotropin-releasing Hormone Receptor. Journal of Biological Chemistry, 1998, 273, 24000-24008.	3.4	57
56	Protein kinase C phosphorylates AMP-activated protein kinase Î±1 Ser487. Biochemical Journal, 2016, 473, 4681-4697.	3.7	57
57	Expression of the brain-type glucose transporter is restricted to brain and neuronal cells in mice. Diabetologia, 1992, 35, 304-309.	6.3	55
58	Altered Vascular Function in Young Women with Polycystic Ovary Syndrome. Journal of Clinical Endocrinology and Metabolism, 2002, 87, 742-746.	3.6	53
59	Agonist-dependent, cholera toxin-catalyzed ADP-ribosylation of pertussis toxin-sensitive G-proteins following transfection of the human alpha 2-C10 adrenergic receptor into rat 1 fibroblasts. Evidence for the direct interaction of a single receptor with two pertussis toxin-sensitive G-proteins, Gi2 and Gi3. Journal of Biological Chemistry, 1991, 266, 6447-55.	3.4	53
60	Analysis of the co-localization of the insulin-responsive glucose transporter (GLUT4) and the trans Golgi network marker TGN38 within 3T3-L1 adipocytes. Biochemical Journal, 1994, 300, 743-749.	3.7	52
61	Hypoxic Stimulation of the Stress-activated Protein Kinases in Pulmonary Artery Fibroblasts. American Journal of Respiratory and Critical Care Medicine, 1998, 158, 958-962.	5.6	52
62	Translocation of the brain-type glucose transporter largely accounts for insulin stimulation of glucose transport in BC3H-1 myocytes. Biochemical Journal, 1990, 269, 597-601.	3.7	50
63	Hypothalamic GLUT 4 expression: a glucose- and insulin-sensing mechanism?. Molecular and Cellular Endocrinology, 1995, 107, 67-70.	3.2	50
64	SNARE Proteins Underpin Insulinâ€Regulated GLUT4 Traffic. Traffic, 2011, 12, 657-664.	2.7	49
65	Dynamics of insulin-stimulated translocation of GLUT4 in single living cells visualised using green fluorescent protein. FEBS Letters, 1996, 393, 179-184.	2.8	48
66	Silver ions trigger Ca2+ release by interaction with the (Ca2+-Mg2+)-ATPase in reconstituted systems. Journal of Biological Chemistry, 1987, 262, 7676-9.	3.4	47
67	Syntaxin 16 controls the intracellular sequestration of GLUT4 in 3T3-L1 adipocytes. Biochemical and Biophysical Research Communications, 2006, 347, 433-438.	2.1	45
68	A fast passive Ca2+ efflux mediated by the (Ca2+ + Mg2+)-ATPase in reconstituted vesicles. Biochimica Et Biophysica Acta - Biomembranes, 1987, 904, 45-54.	2.6	43
69	Adipsin and the Glucose Transporter GLUT4 Traffic to the Cell Surface via Independent Pathways in Adipocytes. Traffic, 2000, 1, 141-151.	2.7	43
70	Evidence for a Role of the Exocyst in Insulin-stimulated Glut4 Trafficking in 3T3-L1 Adipocytes. Journal of Biological Chemistry, 2005, 280, 3812-3816.	3.4	43
71	Evidence for a Role for ADP-ribosylation Factor 6 in Insulin-stimulated Glucose Transporter-4 (GLUT4) Trafficking in 3T3-L1 Adipocytes. Journal of Biological Chemistry, 1999, 274, 17619-17625.	3.4	42
72	Phorbol ester only partially mimics the effects of insulin on glucose transport and glucose-transporter distribution in 3T3-L1 adipocytes. Biochemical Journal, 1991, 275, 145-150.	3.7	41

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73	Regulation of endothelin-1- and lysophosphatidic acid-stimulated tyrosine phosphorylation of focal adhesion kinase (pp125fak) in Rat-1 fibroblasts. Biochemical Journal, 1994, 301, 407-414.	3.7	41
74	Phosphatidylinositol 3â€²-kinase, But Not p70 Ribosomal S6 Kinase, Is Involved in Membrane Protein Recycling: Wortmannin Inhibits Glucose Transport and Downregulates Cell-Surface Transferrin Receptor Numbers Independently of Any Effect on Fluid-phase Endocytosis in Fibroblasts. Cellular Signalling, 1996, 8, 297-304.	3.6	41
75	Fructose transport and metabolism in adipose tissue of Zucker rats: Diminished GLUT5 activity during obesity and insulin resistance. Molecular and Cellular Biochemistry, 2004, 261, 23-33.	3.1	41
76	The regulation of abscission by multi-protein complexes. Journal of Cell Science, 2011, 124, 3199-3207.	2.0	41
77	The effects of insulin on the level and activity of the GLUT4 present in human adipose cells. Diabetologia, 1995, 38, 661-666.	6.3	40
78	v- and t-SNARE protein expression in models of insulin resistance: normalization of glycemia by rosiglitazone treatment corrects overexpression of cellubrevin, vesicle-associated membrane protein-2, and syntaxin 4 in skeletal muscle of Zucker diabetic fatty rats. Diabetes, 2000, 49, 618-625.	0.6	40
79	Insulin stimulated GLUT4 translocation â€“ Size is not everything!. Current Opinion in Cell Biology, 2020, 65, 28-34.	5.4	39
80	Analysis of Amino and Carboxy Terminal GLUT-4 Targeting Motifs in 3T3-L1 Adipocytes Using an Endosomal Ablation Technique. Biochemistry, 1999, 38, 1456-1462.	2.5	38
81	Novel Role for Proteinase-activated Receptor 2 (PAR2) in Membrane Trafficking of Proteinase-activated Receptor 4 (PAR4). Journal of Biological Chemistry, 2012, 287, 16656-16669.	3.4	38
82	Analysis of the glucose transporter content of islet cell lines: Implications for glucose-stimulated insulin release. Cellular Signalling, 1992, 4, 641-650.	3.6	37
83	Negative Regulation of Syntaxin4/SNAP-23/VAMP2-Mediated Membrane Fusion by Munc18c In Vitro. PLoS ONE, 2008, 3, e4074.	2.5	37
84	Phenylarsine oxide stimulates hexose transport in 3T3-L1 adipocytes by a mechanism other than an increase in surface transporters. Archives of Biochemistry and Biophysics, 1989, 268, 264-275.	3.0	36
85	Mitogen-activated protein kinase (MAP kinase), MAP kinase kinase and c-Mos stimulate glucose transport in Xenopus oocytes. Biochemical Journal, 1993, 295, 351-355.	3.7	36
86	Stimulation by the nucleotides, ATP and UTP of mitogenâ€activated protein kinase in EAhy 926 endothelial cells. British Journal of Pharmacology, 1996, 117, 1341-1347.	5.4	36
87	Functional Studies of Human GLUT5: Effect of pH on Substrate Selection and an Analysis of Substrate Interactions. Biochemical and Biophysical Research Communications, 1997, 238, 503-505.	2.1	36
88	Visualization of distinct patterns of subcellular redistribution of the thyrotropin-releasing hormone receptor-1 and Gqî± /G11î± induced by agonist stimulation. Biochemical Journal, 1999, 340, 529-538.	3.7	36
89	Syntaxin 16 is a master recruitment factor for cytokinesis. Molecular Biology of the Cell, 2013, 24, 3663-3674.	2.1	36
90	Sex hormones induce insulin resistance in 3T3-L1 adipocytes by reducing cellular content of IRS proteins. Diabetologia, 2000, 43, 1374-1380.	6.3	35

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91	Treatment of vascular smooth muscle cells with antisense phosphorothioate oligodeoxynucleotides directed against p42 and p44 mitogen-activated protein kinases abolishes DNA synthesis in response to platelet-derived growth factor. Biochemical Journal, 1996, 320, 123-127.	3.7	33
92	The role of protein kinase C in activation and termination of mitogen-activated protein kinase activity in angiotensin II-stimulated rat aortic smooth-muscle cells. Cellular Signalling, 1996, 8, 123-129.	3.6	33
93	Posttranslational Modifications of GLUT4 Affect Its Subcellular Localization and Translocation. International Journal of Molecular Sciences, 2013, 14, 9963-9978.	4.1	33
94	Insulin Stimulates Syntaxin4 SNARE Complex Assembly via a Novel Regulatory Mechanism. Molecular and Cellular Biology, 2014, 34, 1271-1279.	2.3	33
95	Uptake at Ca2+ mediated by the (Ca2+ + Mg2+)-ATPase in reconstituted vesicles. Biochimica Et Biophysica Acta - Biomembranes, 1987, 904, 36-44.	2.6	32
96	Long-term insulin treatment of 3T3-L1 adipocytes results in mis-targeting of GLUT4: implications for insulin-stimulated glucose transport. Diabetologia, 2000, 43, 1273-1281.	6.3	32
97	CHC22 clathrin mediates traffic from early secretory compartments for human GLUT4 pathway biogenesis. Journal of Cell Biology, 2020, 219, .	5.2	32
98	ESCRT Function in Cytokinesis: Location, Dynamics and Regulation by Mitotic Kinases. International Journal of Molecular Sciences, 2014, 15, 21723-21739.	4.1	31
99	Regulation of lysophosphatidic acid-stimulated tyrosine phosphorylation of mitogen-activated protein kinase by protein kinase C- and pertussis toxin-dependent pathways in the endothelial cell line EAhy 926. Biochemical Journal, 1995, 307, 743-748.	3.7	30
100	Quantification of SNARE Protein Levels in 3T3-L1 Adipocytes: Implications for Insulin-Stimulated Glucose Transport. Biochemical and Biophysical Research Communications, 2000, 270, 841-845.	2.1	30
101	Decreased insulin sensitivity during dietary sodium restriction is not mediated by effects of angiotensin II on insulin action. Clinical Science, 2003, 105, 187-194.	4.3	30
102	Evidence for a role of phosphatidylinositol 3-kinase in the regulation of glucose transport in Xenopus oocytes. Journal of Biological Chemistry, 1994, 269, 26622-5.	3.4	30
103	Analysis of the structural requirements of sugar binding to the liver, brain and insulin-responsive glucose transporters expressed in oocytes. Biochemical Journal, 1993, 294, 753-760.	3.7	29
104	ACRP30 is secreted from 3T3-L1 adipocytes via a Rab11-dependent pathway. Biochemical and Biophysical Research Communications, 2006, 342, 1361-1367.	2.1	29
105	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
106	Cyclic AMP Inhibits PDGF-stimulated Mitogen-activated Protein Kinase Activity in Rat Aortic Smooth Muscle Cells via Inactivation of c-Raf-1 Kinase and Induction of MAP Kinase Phosphatase-1. Cellular Signalling, 1997, 9, 323-328.	3.6	28
107	Building GLUT4 Vesicles: CHC22 Clathrinâ€™s Human Touch. Trends in Cell Biology, 2020, 30, 705-719.	7.9	28
108	A model for the uptake and release of Ca2+ by sarcoplasmic reticulum. Biochemical Journal, 1987, 245, 739-749.	3.7	27

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109	The Trypanosome Exocyst: A Conserved Structure Revealing a New Role in Endocytosis. PLoS Pathogens, 2017, 13, e1006063.	4.7	27
110	Tyrosine phosphorylation of Munc18c on residue 521 abrogates binding to Syntaxin 4. BMC Biochemistry, 2011, 12, 19.	4.4	26
111	Alternate routes to the cell surface underpin insulin-regulated membrane trafficking of GLUT4. Journal of Cell Science, 2015, 128, 2423-9.	2.0	26
112	Effects of diet on the function of sarcoplasmic reticulum. Biochemical Journal, 1987, 245, 751-755.	3.7	25
113	Regulation of protein phosphorylation by insulin and an insulinomimetic oligosaccharide In 3T3-L1 adipocytes and Fao hepatoma cells. Biochemical and Biophysical Research Communications, 1988, 153, 992-998.	2.1	25
114	The long term health consequences of polycystic ovary syndrome. BJOG: an International Journal of Obstetrics and Gynaecology, 2000, 107, 1327-1338.	2.3	25
115	Sorting of GLUT4 into its insulin-sensitive store requires the Sec1/Munc18 protein mVps45. Molecular Biology of the Cell, 2013, 24, 2389-2397.	2.1	25
116	Characterization of Ca2+ uptake and release by vesicles of skeletal-muscle sarcoplasmic reticulum. Biochemical Journal, 1987, 245, 731-738.	3.7	24
117	P2Y Receptor-mediated Inhibition of Tumor Necrosis Factor Î±-stimulated Stress-activated Protein Kinase Activity in EAhy926 Endothelial Cells. Journal of Biological Chemistry, 2000, 275, 13243-13249.	3.4	24
118	Skeletal Muscle of Stroke-Prone Spontaneously Hypertensive Rats Exhibits Reduced Insulin-Stimulated Glucose Transport and Elevated Levels of Caveolin and Flotillin. Diabetes, 2001, 50, 2148-2156.	0.6	24
119	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
120	Characterization of two distinct binding modes between syntaxin 4 and Munc18c. Biochemical Journal, 2009, 419, 655-660.	3.7	23
121	Exocyst proteins in cytokinesis. Communicative and Integrative Biology, 2013, 6, e27635.	1.4	23
122	Animal cell cytokinesis: The role of dynamic changes in the plasma membrane proteome and lipidome. Seminars in Cell and Developmental Biology, 2016, 53, 64-73.	5.0	23
123	Differential targeting of glucose transporter isoforms heterologously expressed in Xenopus oocytes. Biochemical Journal, 1993, 290, 707-715.	3.7	22
124	Characterization of VAMP isoforms in 3T3-L1 adipocytes: implications for GLUT4 trafficking. Molecular Biology of the Cell, 2015, 26, 530-536.	2.1	22
125	Efficacy of agonist-stimulated MEK activation determines the susceptibility of mitogen-activated protein (MAP) kinase to inhibition in rat aortic smooth muscle cells. Biochemical Journal, 1996, 318, 657-663.	3.7	20
126	Tumour Necrosis Factor Stimulates Stress-Activated Protein Kinases and the Inhibition of DNA Synthesis in Cultures of Bovine Aortic Endothelial Cells. Cellular Signalling, 1998, 10, 473-480.	3.6	20

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127	Role of the adenylate cyclase, phosphoinositidase C and receptor tyrosyl kinase systems in the control of hepatocyte proliferation by hepatocyte growth factor. Biochemical Pharmacology, 1992, 44, 1037-1043.	4.4	19
128	Insulin and platelet-derived growth factor acutely stimulate glucose transport in 3T3-L1 fibroblasts independently of protein kinase C. Biochimica Et Biophysica Acta - Molecular Cell Research, 1993, 1177, 191-198.	4.1	19
129	A kinetic model for Ca2+ efflux mediated by the Ca2+ + Mg2+-activated ATPase of sarcoplasmic reticulum. Biochemical Journal, 1987, 245, 713-721.	3.7	18
130	Trafficking of Glut4â€“Green Fluorescent Protein chimaeras in 3T3-L1 adipocytes suggests distinct internalization mechanisms regulating cell surface Glut4 levels. Biochemical Journal, 1999, 344, 535-543.	3.7	18
131	Membrane traffic in cytokinesis. Biochemical Society Transactions, 2005, 33, 1290.	3.4	18
132	GLUT4 expression and glucose transport in human induced pluripotent stem cell-derived cardiomyocytes. PLoS ONE, 2019, 14, e0217885.	2.5	18
133	Lysophosphatidic acid stimulates glucose transport in Xenopus oocytes via a phosphatidylinositol 3â€²-kinase with distinct properties. Biochemical Journal, 1996, 316, 161-166.	3.7	17
134	Characterization of vesicles containing insulin-responsive intracellular glucose transporters isolated from 3T3-L1 adipocytes by an improved procedure. Biochimica Et Biophysica Acta - Molecular Cell Research, 1988, 971, 339-350.	4.1	16
135	Characterization of the ileal Na+/bile salt co-transporter in brush border membrane vesicles and functional expression in Xenopus laevis oocytes. Biochemical Journal, 1992, 285, 785-790.	3.7	16
136	Insulin Resistance, Hypertension and the Insulin-Responsive Glucose Transporter, GLUT4. Clinical Science, 1995, 89, 109-116.	4.3	16
137	Analysis of the Glucose Transporter Compliment of Metabolically Important Tissues from the Milan Hypertensive Rat. Biochemical and Biophysical Research Communications, 1995, 211, 780-791.	2.1	16
138	Structureâ”Function Studies of the Brain-Type Glucose Transporter, GLUT3:Â Alanine-Scanning Mutagenesis of Putative Transmembrane Helix VIII and an Investigation of the Role of Proline Residues in Transport Catalysisâ€. Biochemistry, 1997, 36, 6401-6407.	2.5	16
139	IKKÎµ: A Kinase at the Intersection of Signaling and Membrane Traffic. Science Signaling, 2011, 4, pe30.	3.6	16
140	The deubiquitinating enzyme USP25 binds tankyrase and regulates trafficking of the facilitative glucose transporter GLUT4 in adipocytes. Scientific Reports, 2019, 9, 4710.	3.3	16
141	Characterisation of GLUT4 trafficking in HeLa cells: comparable kinetics and orthologous trafficking mechanisms to 3T3-L1 adipocytes. PeerJ, 2020, 8, e8751.	2.0	16
142	Evidence that Thrombin-stimulated DNA Synthesis in Pulmonary Arterial Fibroblasts Involves Phosphatidylinositol 3-kinase-dependent p70 Ribosomal S6 Kinase Activation. Cellular Signalling, 1997, 9, 109-116.	3.6	15
143	Should sperm donors be paid? A survey of the attitudes of the general public. Human Reproduction, 1998, 13, 771-775.	0.9	15
144	3T3-L1 Adipocytes Express Two Isoforms of Phospholipase D in Distinct Subcellular Compartments. Biochemical and Biophysical Research Communications, 1999, 254, 734-738.	2.1	14

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145	Trafficking, targeting and translocation of the insulin-responsive glucose transporter, GLUT4, in adipocytes. Biochemical Society Transactions, 1996, 24, 540-546.	3.4	13
146	Rab11-FIP3 is a cell cycle-regulated phosphoprotein. BMC Cell Biology, 2012, 13, 4.	3.0	13
147	A Complex Network of Interactions between Mitotic Kinases, Phosphatases and ESCRT Proteins Regulates Septation and Membrane Trafficking in S. pombe. PLoS ONE, 2014, 9, e111789.	2.5	13
148	SNARE phosphorylation: a control mechanism for insulin-stimulated glucose transport and other regulated exocytic events. Biochemical Society Transactions, 2017, 45, 1271-1277.	3.4	13
149	Tissue-specific expression of facilitative glucose transporters: a rationale. Biochemical Society Transactions, 1992, 20, 538-542.	3.4	12
150	Role of receptor desensitization, phosphatase induction and intracellular cyclic AMP in the termination of mitogen-activated protein kinase activity in UTP-stimulated EAhy 926 endothelial cells. Biochemical Journal, 1996, 315, 563-569.	3.7	12
151	The Mammalian Facilitative Glucose Transporter (GLUT) Family. , 1999, 12, 201-228.		12
152	Expression of c-raf-1 and A-raf-1 during differentiation of 3T3-L1 preadipocyte fibroblasts into adipocytes. Biochemical and Biophysical Research Communications, 1989, 162, 1180-1187.	2.1	11
153	Characterization of the intracellular signalling pathways that underlie growth-factor-stimulated glucose transport in Xenopus oocytes: evidence for ras- and rho-dependent pathways of phosphatidylinositol 3-kinase activation. Biochemical Journal, 1997, 325, 637-643.	3.7	11
154	Compartment-ablation studies of GLUT4 distribution in adipocytes: evidence for multiple intracellular pools. Biochemical Society Transactions, 1997, 25, 974-977.	3.4	11
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