Amira Klip

List of Publications by Year in Descending Order

183 papers	12,159 citations	65 h-index	104 g-index
260 ext. papers	13,399 ext. citations	5.4 avg, IF	6.35 L-index

#	Paper	IF	Citations
183	Fragmentation and roles of junctophilin1 in muscle of patients with cytosolic leak of stored calcium. *Journal of General Physiology*, **2022**, 154,	3.4	1
182	Tissue-specific murine neutrophil activation states in health and inflammation. *Journal of Leukocyte Biology*, **2021**, 110, 187-195	6.5	4
181	GLUT4-overexpressing engineered muscle constructs as a therapeutic platform to normalize glycemia in diabetic mice. *Science Advances*, **2021**, 7, eabg3947	14.3	3
180	The many actions of insulin in skeletal muscle, the paramount tissue determining glycemia. *Cell Metabolism*, **2021**, 33, 758-780	24.6	28
179	Complexin-2 redistributes to the membrane of muscle cells in response to insulin and contributes to GLUT4 translocation. *Biochemical Journal*, **2021**, 478, 407-422	3.8	3
178	Communication Between Autophagy and Insulin Action: At the Crux of Insulin Action-Insulin Resistance?. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 708431	5.7	3
177	Bone marrow adipose cells - cellular interactions and changes with obesity. *Journal of Cell Science*, **2020**, 133,	5.3	16
176	Nucleotides released from palmitate-activated murine macrophages attract neutrophils. *Journal of Biological Chemistry*, **2020**, 295, 4902-4911	5.4	10
175	Intracellular calcium leak lowers glucose storage in human muscle, promoting hyperglycemia and diabetes. *ELife*, **2020**, 9,	8.9	10
174	Increased inflammation, oxidative stress and a reduction in antioxidant defense enzymes in perivascular adipose tissue contribute to vascular dysfunction in type 2 diabetes. *Free Radical Biology and Medicine*, **2020**, 146, 264-274	7.8	19
173	Palmitoylation of NOD1 and NOD2 is required for bacterial sensing. *Science*, **2019**, 366, 460-467	33.3	45
172	Deficiency of the autophagy gene ATG16L1 induces insulin resistance through KLHL9/KLHL13/CUL3-mediated IRS1 degradation. *Journal of Biological Chemistry*, **2019**, 294, 16172-16185	5.4	12
171	Thirty sweet years of GLUT4. *Journal of Biological Chemistry*, **2019**, 294, 11369-11381	5.4	105
170	Rho GTPases-Emerging Regulators of Glucose Homeostasis and Metabolic Health. *Cells*, **2019**, 8,	7.9	24
169	NOD1: An Interface Between Innate Immunity and Insulin Resistance. *Endocrinology*, **2019**, 160, 1021-1030	4.8	8
168	Endothelial cell barriers: Transport of molecules between blood and tissues. *Traffic*, **2019**, 20, 390-403	5.7	37
167	Atg16L1 Knockout Induces Insulin Resistance through Proteasomal IRS1 Degradation, Mediated by the Induction of ER Stress. *FASEB Journal*, **2019**, 33, 719.10	0.9	

166	Herpud1 impacts insulin-dependent glucose uptake in skeletal muscle cells by controlling the Ca-calcineurin-Akt axis. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2018**, 1864, 1653-1662	6.9	8
165	The cell biology of systemic insulin function. *Journal of Cell Biology*, **2018**, 217, 2273-2289	7.3	151
164	Electrical pulse stimulation induces GLUT4 translocation in CC myotubes that depends on Rab8A, Rab13, and Rab14. *American Journal of Physiology - Endocrinology and Metabolism*, **2018**, 314, E478-E493	6	19
163	Insulin uptake and action in microvascular endothelial cells of lymphatic and blood origin. *American Journal of Physiology - Endocrinology and Metabolism*, **2018**, 315, E204-E217	6	15
162	Autophagy-Related Protein 16L1 (Atg16L1) Depletion Induces Insulin Resistance Through Decreased IRS Expression. *FASEB Journal*, **2018**, 32, lb419	0.9	
161	GLUT4 Translocation in Single Muscle Cells in Culture: Epitope Detection by Immunofluorescence. *Methods in Molecular Biology*, **2018**, 1713, 175-192	1.4	4
160	Sphingolipid changes do not underlie fatty acid-evoked GLUT4 insulin resistance nor inflammation signals in muscle cells. *Journal of Lipid Research*, **2018**, 59, 1148-1163	6.3	12
159	Deconstructing metabolic inflammation using cellular systems. *American Journal of Physiology - Endocrinology and Metabolism*, **2017**, 312, E339-E347	6	9
158	Circulating NOD1 Activators and Hematopoietic NOD1 Contribute to Metabolic Inflammation and Insulin Resistance. *Cell Reports*, **2017**, 18, 2415-2426	10.6	46
157	Update on GLUT4 Vesicle Traffic: A Cornerstone of Insulin Action. *Trends in Endocrinology and Metabolism*, **2017**, 28, 597-611	8.8	145
156	Intermittent fasting promotes adipose thermogenesis and metabolic homeostasis via VEGF-mediated alternative activation of macrophage. *Cell Research*, **2017**, 27, 1309-1326	24.7	83
155	Supportive data on the regulation of GLUT4 activity by 3-O-methyl-D-glucose. *Data in Brief*, **2017**, 14, 329-336	1.2	4
154	Regulation of GLUT4 activity in myotubes by 3-O-methyl-d-glucose. *Biochimica Et Biophysica Acta - Biomembranes*, **2017**, 1859, 1900-1910	3.8	7
153	Saturated fatty acids activate caspase-4/5 in human monocytes, triggering IL-1and IL-18 release. *American Journal of Physiology - Endocrinology and Metabolism*, **2016**, 311, E825-E835	6	36
152	Rac1 governs exercise-stimulated glucose uptake in skeletal muscle through regulation of GLUT4 translocation in mice. *Journal of Physiology*, **2016**, 594, 4997-5008	3.9	71
151	A complex of Rab13 with MICAL-L2 and actinin-4 is essential for insulin-dependent GLUT4 exocytosis. *Molecular Biology of the Cell*, **2016**, 27, 75-89	3.5	38
150	Endothelial Transcytosis of Insulin: Does It Contribute to Insulin Resistance?. *Physiology*, **2016**, 31, 336-45	9.8	14
149	Contracting C2C12 myotubes release CCL2 in an NF-B-dependent manner to induce monocyte chemoattraction. *American Journal of Physiology - Endocrinology and Metabolism*, **2016**, 310, E160-70	6	26

148	Clathrin-dependent entry and vesicle-mediated exocytosis define insulin transcytosis across microvascular endothelial cells. *Molecular Biology of the Cell*, **2015**, 26, 740-50	3.5	54
147	Palmitoleate Reverses High Fat-induced Proinflammatory Macrophage Polarization via AMP-activated Protein Kinase (AMPK). *Journal of Biological Chemistry*, **2015**, 290, 16979-88	5.4	119
146	Different immune cells mediate mechanical pain hypersensitivity in male and female mice. *Nature Neuroscience*, **2015**, 18, 1081-3	25.5	704
145	Palmitate-induced inflammatory pathways in human adipose microvascular endothelial cells promote monocyte adhesion and impair insulin transcytosis. *American Journal of Physiology - Endocrinology and Metabolism*, **2015**, 309, E35-44	6	46
144	NOD2 activation induces oxidative stress contributing to mitochondrial dysfunction and insulin resistance in skeletal muscle cells. *Free Radical Biology and Medicine*, **2015**, 89, 158-69	7.8	23
143	Dissecting signalling by individual Akt/PKB isoforms, three steps at once. *Biochemical Journal*, **2015**, 470, e13-6	3.8	7
142	The Rho-guanine nucleotide exchange factor PDZ-RhoGEF governs susceptibility to diet-induced obesity and type 2 diabetes. *ELife*, **2015**, 4,	8.9	14
141	Insulin elicits a ROS-activated and an IP_3-dependent Ca^{2+} release, which both impinge on GLUT4 translocation. *Journal of Cell Science*, **2014**, 127, 1911-23	5.3	40
140	Signaling of the p21-activated kinase (PAK1) coordinates insulin-stimulated actin remodeling and glucose uptake in skeletal muscle cells. *Biochemical Pharmacology*, **2014**, 92, 380-8	6	37
139	Signal transduction meets vesicle traffic: the software and hardware of GLUT4 translocation. *American Journal of Physiology - Cell Physiology*, **2014**, 306, C879-86	5.4	120
138	Akt and Rac1 signaling are jointly required for insulin-stimulated glucose uptake in skeletal muscle and downregulated in insulin resistance. *Cellular Signalling*, **2014**, 26, 323-31	4.9	101
137	Reciprocal regulation of endocytosis and metabolism. *Cold Spring Harbor Perspectives in Biology*, **2014**, 6, a016964	10.2	46
136	Nucleotides released from palmitate-challenged muscle cells through pannexin-3 attract monocytes. *Diabetes*, **2014**, 63, 3815-26	0.9	28
135	Mice lacking NOX2 are hyperphagic and store fat preferentially in the liver. *American Journal of Physiology - Endocrinology and Metabolism*, **2014**, 306, E1341-53	6	17
134	Dynamic GLUT4 sorting through a syntaxin-6 compartment in muscle cells is derailed by insulin resistance-causing ceramide. *Biology Open*, **2014**, 3, 314-25	2.2	19
133	Pro-inflammatory macrophages increase in skeletal muscle of high fat-fed mice and correlate with metabolic risk markers in humans. *Obesity*, **2014**, 22, 747-57	8	113
132	Myosin Va mediates Rab8A-regulated GLUT4 vesicle exocytosis in insulin-stimulated muscle cells. *Molecular Biology of the Cell*, **2014**, 25, 1159-70	3.5	57
131	Cross-talk between skeletal muscle and immune cells: muscle-derived mediators and metabolic implications. *American Journal of Physiology - Endocrinology and Metabolism*, **2013**, 304, E453-65	6	179

130	Electrical stimuli release ATP to increase GLUT4 translocation and glucose uptake via PI3K/Akt-AS160 in skeletal muscle cells. *Diabetes*, **2013**, 62, 1519-26	0.9	81
129	Rac1 is a novel regulator of contraction-stimulated glucose uptake in skeletal muscle. *Diabetes*, **2013**, 62, 1139-51	0.9	103
128	Rac-1 superactivation triggers insulin-independent glucose transporter 4 (GLUT4) translocation that bypasses signaling defects exerted by c-Jun N-terminal kinase (JNK)- and ceramide-induced insulin resistance. *Journal of Biological Chemistry*, **2013**, 288, 17520-31	5.4	37
127	Putting Rac1 on the path to glucose uptake. *Diabetes*, **2013**, 62, 1831-2	0.9	10
126	Transcytosis of insulin across microvascular endothelium. *FASEB Journal*, **2013**, 27, 1154.11	0.9	
125	Myo1c binding to submembrane actin mediates insulin-induced tethering of GLUT4 vesicles. *Molecular Biology of the Cell*, **2012**, 23, 4065-78	3.5	49
124	Muscle cells challenged with saturated fatty acids mount an autonomous inflammatory response that activates macrophages. *Cell Communication and Signaling*, **2012**, 10, 30	7.5	32
123	TAK-242, a small-molecule inhibitor of Toll-like receptor 4 signalling, unveils similarities and differences in lipopolysaccharide- and lipid-induced inflammation and insulin resistance in muscle cells. *Bioscience Reports*, **2012**, 33, 37-47	4.1	46
122	NAD(P)H oxidase-dpendent H2O2 production and RyR-IP3R activation are required for insulin induced GLUT4 translocation and glucose uptake in skeletal muscle cells. *FASEB Journal*, **2012**, 26, 758.5	0.9	
121	Novel mechanisms to ATP-dependent glucose uptake in skeletal muscle cells. *FASEB Journal*, **2012**, 26, lb715	0.9	
120	Endocytosis, recycling, and regulated exocytosis of glucose transporter 4. *Biochemistry*, **2011**, 50, 3048-61	3.2	119
119	Palmitate-activated macrophages confer insulin resistance to muscle cells by a mechanism involving protein kinase C and *PLoS ONE*, **2011**, 6, e26947	3.7	42
118	Conditioned medium from hypoxia-treated adipocytes renders muscle cells insulin resistant. *European Journal of Cell Biology*, **2011**, 90, 1000-15	6.1	29
117	Rac1 signalling towards GLUT4/glucose uptake in skeletal muscle. *Cellular Signalling*, **2011**, 23, 1546-54	4.9	106
116	NOD1 activators link innate immunity to insulin resistance. *Diabetes*, **2011**, 60, 2206-15	0.9	176
115	NOD2 activation induces muscle cell-autonomous innate immune responses and insulin resistance. *Endocrinology*, **2010**, 151, 5624-37	4.8	85
114	Arp2/3- and cofilin-coordinated actin dynamics is required for insulin-mediated GLUT4 translocation to the surface of muscle cells. *Molecular Biology of the Cell*, **2010**, 21, 3529-39	3.5	65
113	Contraction-related stimuli regulate GLUT4 traffic in C2C12-GLUT4myc skeletal muscle cells. *American Journal of Physiology - Endocrinology and Metabolism*, **2010**, 298, E1058-71	6	40

112	Rab8A and Rab13 are activated by insulin and regulate GLUT4 translocation in muscle cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 19909-14	11.5	137
111	Documenting GLUT4 exocytosis and endocytosis in muscle cell monolayers. *Current Protocols in Cell Biology*, **2010**, Chapter 15, Unit 15.15	2.3	16
110	Muscle insulin resistance: assault by lipids, cytokines and local macrophages. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2010**, 13, 382-90	3.8	74
109	Type 2 diabetes mellitus and inflammation: Prospects for biomarkers of risk and nutritional intervention. *Diabetes, Metabolic Syndrome and Obesity: Targets and Therapy*, **2010**, 3, 173-86	3.4	90
108	The many ways to regulate glucose transporter 4. *Applied Physiology, Nutrition and Metabolism*, **2009**, 34, 481-7	3	89
107	The F-BAR protein CIP4 promotes GLUT4 endocytosis through bidirectional interactions with N-WASp and Dynamin-2. *Journal of Cell Science*, **2009**, 122, 2283-91	5.3	49
106	A transgenic mouse model to study glucose transporter 4myc regulation in skeletal muscle. *Endocrinology*, **2009**, 150, 1935-40	4.8	36
105	Ready, set, internalize: mechanisms and regulation of GLUT4 endocytosis. *Bioscience Reports*, **2009**, 29, 1-11	4.1	26
104	Palmitate- and lipopolysaccharide-activated macrophages evoke contrasting insulin responses in muscle cells. *American Journal of Physiology - Endocrinology and Metabolism*, **2009**, 296, E37-46	6	45
103	Regulation of glucose transporter 4 traffic by energy deprivation from mitochondrial compromise. *Acta Physiologica*, **2009**, 196, 27-35	5.6	27
102	Direct and macrophage-mediated actions of fatty acids causing insulin resistance in muscle cells. *Archives of Physiology and Biochemistry*, **2009**, 115, 176-90	2.2	62
101	GAPDH binds GLUT4 reciprocally to hexokinase-II and regulates glucose transport activity. *Biochemical Journal*, **2009**, 419, 475-84	3.8	41
100	Selective regulation of the perinuclear distribution of glucose transporter 4 (GLUT4) by insulin signals in muscle cells. *European Journal of Cell Biology*, **2008**, 87, 337-51	6.1	32
99	Insulin action on glucose transporters through molecular switches, tracks and tethers. *Biochemical Journal*, **2008**, 413, 201-15	3.8	219
98	The proinflammatory cytokine tumor necrosis factor-alpha increases the amount of glucose transporter-4 at the surface of muscle cells independently of changes in interleukin-6. *Endocrinology*, **2008**, 149, 1880-9	4.8	17
97	GLUT4 vesicle recruitment and fusion are differentially regulated by Rac, AS160, and Rab8A in muscle cells. *Journal of Biological Chemistry*, **2008**, 283, 27208-19	5.4	92
96	Muscle cells engage Rab8A and myosin Vb in insulin-dependent GLUT4 translocation. *American Journal of Physiology - Cell Physiology*, **2008**, 295, C1016-25	5.4	111
95	Alpha-actinin-4 is selectively required for insulin-induced GLUT4 translocation. *Journal of Biological Chemistry*, **2008**, 283, 25115-25123	5.4	43

94	Clathrin-dependent and independent endocytosis of glucose transporter 4 (GLUT4) in myoblasts: regulation by mitochondrial uncoupling. *Traffic*, **2008**, 9, 1173-90	5.7	74
93	Fish glucose transporter (GLUT)-4 differs from rat GLUT4 in its traffic characteristics but can translocate to the cell surface in response to insulin in skeletal muscle cells. *Endocrinology*, **2007**, 148, 5248-57	4.8	45
92	Ceramide- and oxidant-induced insulin resistance involve loss of insulin-dependent Rac-activation and actin remodeling in muscle cells. *Diabetes*, **2007**, 56, 394-403	0.9	164
91	The Rab GTPase-activating protein AS160 integrates Akt, protein kinase C, and AMP-activated protein kinase signals regulating GLUT4 traffic. *Diabetes*, **2007**, 56, 414-23	0.9	185
90	Rabs 8A and 14 are targets of the insulin-regulated Rab-GAP AS160 regulating GLUT4 traffic in muscle cells. *Biochemical and Biophysical Research Communications*, **2007**, 353, 1074-9	3.4	125
89	Muscle cell depolarization induces a gain in surface GLUT4 via reduced endocytosis independently of AMPK. *American Journal of Physiology - Endocrinology and Metabolism*, **2006**, 290, E1276-86	6	68
88	Opposite effect of JAK2 on insulin-dependent activation of mitogen-activated protein kinases and Akt in muscle cells: possible target to ameliorate insulin resistance. *Diabetes*, **2006**, 55, 942-51	0.9	22
87	Insulin-dependent interactions of proteins with GLUT4 revealed through stable isotope labeling by amino acids in cell culture (SILAC). *Journal of Proteome Research*, **2006**, 5, 64-75	5.6	98
86	Tissue-specific roles of IRS proteins in insulin signaling and glucose transport. *Trends in Endocrinology and Metabolism*, **2006**, 17, 72-8	8.8	181
85	Cellular location of insulin-triggered signals and implications for glucose uptake. *Pflugers Archiv European Journal of Physiology*, **2006**, 451, 499-510	4.6	26
84	Insulin-Mediated Regulation of Glucose Metabolism **2005**, 63-85		1
83	Glucose transporter 4: cycling, compartments and controversies. *EMBO Reports*, **2005**, 6, 1137-42	6.5	195
82	Troglitazone causes acute mitochondrial membrane depolarisation and an AMPK-mediated increase in glucose phosphorylation in muscle cells. *Diabetologia*, **2005**, 48, 954-66	10.3	101
81	To be or not to be: Regulation of the Intrinsic Activity of GLUT4. *Current Medicinal Chemistry Immunology, Endocrine & Metabolic Agents*, **2005**, 5, 175-187		11
80	Minireview: recent developments in the regulation of glucose transporter-4 traffic: new signals, locations, and partners. *Endocrinology*, **2005**, 146, 5071-8	4.8	224
79	Differential contribution of insulin receptor substrates 1 versus 2 to insulin signaling and glucose uptake in l6 myotubes. *Journal of Biological Chemistry*, **2005**, 280, 19426-35	5.4	123
78	Insulin regulates the membrane arrival, fusion, and C-terminal unmasking of glucose transporter-4 via distinct phosphoinositides. *Journal of Biological Chemistry*, **2005**, 280, 28792-802	5.4	49
77	GLUT4 Traffic: Perspectives from Cultured Muscle Cells. *Current Medicinal Chemistry Immunology, Endocrine & Metabolic Agents*, **2005**, 5, 167-173		

76	Turning signals on and off: GLUT4 traffic in the insulin-signaling highway. *Physiology*, **2005**, 20, 271-84	9.8	158
75	Desperately seeking sugar: glial cells as hypoglycemia sensors. *Journal of Clinical Investigation*, **2005**, 115, 3403-5	15.9	8
74	Intracellular delivery of phosphatidylinositol (3,4,5)-trisphosphate causes incorporation of glucose transporter 4 into the plasma membrane of muscle and fat cells without increasing glucose uptake. *Journal of Biological Chemistry*, **2004**, 279, 32233-42	5.4	52
73	Insulin and hypertonicity recruit GLUT4 to the plasma membrane of muscle cells by using N-ethylmaleimide-sensitive factor-dependent SNARE mechanisms but different v-SNAREs: role of TI-VAMP. *Molecular Biology of the Cell*, **2004**, 15, 5565-73	3.5	53
72	Skeletal muscle cells and adipocytes differ in their reliance on TC10 and Rac for insulin-induced actin remodeling. *Molecular Endocrinology*, **2004**, 18, 359-72		126
71	Insulin but not PDGF relies on actin remodeling and on VAMP2 for GLUT4 translocation in myoblasts. *Journal of Cell Science*, **2004**, 117, 5447-55	5.3	45
70	Intracellular traffic and activation of the muscle glucose transporter. *Journal of Muscle Research and Cell Motility*, **2004**, 25, 595-6	3.5	
69	Maturation of the regulation of GLUT4 activity by p38 MAPK during L6 cell myogenesis. *Journal of Biological Chemistry*, **2003**, 278, 17953-62	5.4	79
68	Indinavir uncovers different contributions of GLUT4 and GLUT1 towards glucose uptake in muscle and fat cells and tissues. *Diabetologia*, **2003**, 46, 649-58	10.3	97
67	Intracellular segregation of phosphatidylinositol-3,4,5-trisphosphate by insulin-dependent actin remodeling in L6 skeletal muscle cells. *Molecular and Cellular Biology*, **2003**, 23, 4611-26	4.8	64
66	Sustained exposure of L6 myotubes to high glucose and insulin decreases insulin-stimulated GLUT4 translocation but upregulates GLUT4 activity. *Diabetes*, **2002**, 51, 2090-8	0.9	111
65	Exercise- and insulin-stimulated muscle glucose transport: distinct mechanisms of regulation. *Applied Physiology, Nutrition, and Metabolism*, **2002**, 27, 129-51		24
64	Need for GLUT4 activation to reach maximum effect of insulin-mediated glucose uptake in brown adipocytes isolated from GLUT4myc-expressing mice. *Diabetes*, **2002**, 51, 2719-26	0.9	51
63	The pleckstrin homology (PH) domain-interacting protein couples the insulin receptor substrate 1 PH domain to insulin signaling pathways leading to mitogenesis and GLUT4 translocation. *Molecular and Cellular Biology*, **2002**, 22, 7325-36	4.8	34
62	GLUT4 translocation precedes the stimulation of glucose uptake by insulin in muscle cells: potential activation of GLUT4 via p38 mitogen-activated protein kinase. *Biochemical Journal*, **2001**, 359, 639-649	3.8	123
61	Hyperosmolarity reduces GLUT4 endocytosis and increases its exocytosis from a VAMP2-independent pool in l6 muscle cells. *Journal of Biological Chemistry*, **2001**, 276, 22883-91	5.4	80
60	Differential effects of phosphatidylinositol 3-kinase inhibition on intracellular signals regulating GLUT4 translocation and glucose transport. *Journal of Biological Chemistry*, **2001**, 276, 46079-87	5.4	70
59	Insulin accelerates inter-endosomal GLUT4 traffic via phosphatidylinositol 3-kinase and protein kinase B. *Journal of Biological Chemistry*, **2001**, 276, 44212-21	5.4	80

58	Regulation of Glucose Transporters by Insulin and Exercise: Cellular Effects and Implications for Diabetes **2001**, 451-494		1
57	GLUT-4 translocation in skeletal muscle studied with a cell-free assay: involvement of phospholipase D. *American Journal of Physiology - Endocrinology and Metabolism*, **2001**, 281, E608-18	6	23
56	Insulin increases plasma membrane content and reduces phosphorylation of Na(+)-K(+) pump alpha(1)-subunit in HEK-293 cells. *American Journal of Physiology - Cell Physiology*, **2001**, 281, C1797-803	5.4	26
55	Insulin-induced cortical actin remodeling promotes GLUT4 insertion at muscle cell membrane ruffles. *Journal of Clinical Investigation*, **2001**, 108, 371-381	15.9	144
54	Distinct insulin-stimulated signalling pathways regulating translocation and activation of glucose transporters. *Biochemical Society Transactions*, **2000**, 28, A447-A447	5.1	
53	A functional role for VAP-33 in insulin-stimulated GLUT4 traffic. *Traffic*, **2000**, 1, 512-21	5.7	53
52	Mechanism and regulation of GLUT-4 vesicle fusion in muscle and fat cells. *American Journal of Physiology - Cell Physiology*, **2000**, 279, C877-90	5.4	84
51	VAMP2, but not VAMP3/cellubrevin, mediates insulin-dependent incorporation of GLUT4 into the plasma membrane of L6 myoblasts. *Molecular Biology of the Cell*, **2000**, 11, 2403-17	3.5	97
50	GLUT-4myc ectopic expression in L6 myoblasts generates a GLUT-4-specific pool conferring insulin sensitivity. *American Journal of Physiology - Endocrinology and Metabolism*, **1999**, 277, E572-8	6	54
49	Participation of PI3K and atypical PKC in Na+-K+-pump stimulation by IGF-I in VSMC. *American Journal of Physiology - Heart and Circulatory Physiology*, **1999**, 276, H2109-16	5.2	12
48	SNAP23 promotes insulin-dependent glucose uptake in 3T3-L1 adipocytes: possible interaction with cytoskeleton. *American Journal of Physiology - Cell Physiology*, **1999**, 276, C1108-14	5.4	47
47	Opposite translational control of GLUT1 and GLUT4 glucose transporter mRNAs in response to insulin. Role of mammalian target of rapamycin, protein kinase b, and phosphatidylinositol 3-kinase in GLUT1 mRNA translation. *Journal of Biological Chemistry*, **1999**, 274, 33085-91	5.4	125
46	Glucose rapidly decreases plasma membrane GLUT4 content in rat skeletal muscle. *Endocrine*, **1999**, 10, 13-8		21
45	Role of the actin cytoskeleton in insulin action. *Microscopy Research and Technique*, **1999**, 47, 79-92	2.8	72
44	Protein kinase B/Akt participates in GLUT4 translocation by insulin in L6 myoblasts. *Molecular and Cellular Biology*, **1999**, 19, 4008-18	4.8	508
43	Regulation of the Na+/K+-ATPase by insulin: Why and how? **1998**, 182, 121-133		104
42	Dexamethasone stimulates the expression of GLUT1 and GLUT4 proteins via different signalling pathways in L6 skeletal muscle cells. *FEBS Letters*, **1998**, 421, 120-4	3.8	8
41	GLUT4 translocation by insulin in intact muscle cells: detection by a fast and quantitative assay. *FEBS Letters*, **1998**, 427, 193-7	3.8	182

40	Perturbation of dynamin II with an amphiphysin SH3 domain increases GLUT4 glucose transporters at the plasma membrane in 3T3-L1 adipocytes. Dynamin II participates in GLUT4 endocytosis. *Journal of Biological Chemistry*, **1998**, 273, 8169-76	5.4	59
39	Opposite effects of insulin on focal adhesion proteins in 3T3-L1 adipocytes and in cells overexpressing the insulin receptor. *Molecular Biology of the Cell*, **1998**, 9, 3057-69	3.5	18
38	Actin filaments participate in the relocalization of phosphatidylinositol3-kinase to glucose transporter-containing compartments and in the stimulation of glucose uptake in 3T3-L1 adipocytes. *Biochemical Journal*, **1998**, 331 (Pt 3), 917-28	3.8	155
37	Identification of a human homologue of the vesicle-associated membrane protein (VAMP)-associated protein of 33 kDa (VAP-33): a broadly expressed protein that binds to VAMP. *Biochemical Journal*, **1998**, 333 (Pt 2), 247-51	3.8	78
36	Unique mechanism of GLUT3 glucose transporter regulation by prolonged energy demand: increased protein half-life. *Biochemical Journal*, **1998**, 333 (Pt 3), 713-8	3.8	54
35	Temporal activation of p70 S6 kinase and Akt1 by insulin: PI 3-kinase-dependent and -independent mechanisms. *American Journal of Physiology - Endocrinology and Metabolism*, **1998**, 275, E618-25	6	20
34	Rapid stimulation of glucose transport by mitochondrial uncoupling depends in part on cytosolic Ca2+ and cPKC. *American Journal of Physiology - Cell Physiology*, **1998**, 275, C1487-97	5.4	68
33	Identification and characterization of two distinct intracellular GLUT4 pools in rat skeletal muscle: evidence for an endosomal and an insulin-sensitive GLUT4 compartment. *Biochemical Journal*, **1997**, 325 (Pt 3), 727-32	3.8	64
32	Insulin activates a p21-activated kinase in muscle cells via phosphatidylinositol 3-kinase. *Journal of Biological Chemistry*, **1996**, 271, 19664-7	5.4	103
31	Cellubrevin is a resident protein of insulin-sensitive GLUT4 glucose transporter vesicles in 3T3-L1 adipocytes. *Journal of Biological Chemistry*, **1995**, 270, 8233-40	5.4	107
30	The GLUT4 glucose transporter and the alpha 2 subunit of the Na+,K(+)-ATPase do not localize to the same intracellular vesicles in rat skeletal muscle. *FEBS Letters*, **1995**, 366, 109-14	3.8	22
29	Regulation of cell surface GLUT1, GLUT3, and GLUT4 by insulin and IGF-I in L6 myotubes. *FEBS Letters*, **1995**, 368, 19-22	3.8	58
28	Regulation of expression of glucose transporters by glucose: a review of studies in vivo and in cell cultures. *FASEB Journal*, **1994**, 8, 43-53	0.9	260
27	Subcellular distribution and immunocytochemical localization of Na,K-ATPase subunit isoforms in human skeletal muscle. *Molecular Membrane Biology*, **1994**, 11, 255-62	3.4	53
26	Expression of beta subunit isoforms of the Na+,K(+)-ATPase is muscle type-specific. *FEBS Letters*, **1993**, 328, 253-8	3.8	61
25	Effect of diabetes on glucoregulation. From glucose transporters to glucose metabolism in vivo. *Diabetes Care*, **1992**, 15, 1747-66	14.6	35
24	Acute and long-term effects of insulin-like growth factor I on glucose transporters in muscle cells. Translocation and biosynthesis. *FEBS Letters*, **1992**, 298, 285-90	3.8	49
23	Acute and chronic signals controlling glucose transport in skeletal muscle. *Journal of Cellular Biochemistry*, **1992**, 48, 51-60	4.7	73

22	Differential expression of the GLUT1 and GLUT4 glucose transporters during differentiation of L6 muscle cells. *Biochemical and Biophysical Research Communications*, **1991**, 175, 652-9	3.4	119
21	Glucose transport and glucose transporters in muscle and their metabolic regulation. *Diabetes Care*, **1990**, 13, 228-43	14.6	296
20	Exercise modulates the insulin-induced translocation of glucose transporters in rat skeletal muscle. *FEBS Letters*, **1990**, 261, 256-60	3.8	62
19	Exercise-induced increase in glucose transporters in plasma membranes of rat skeletal muscle. *Endocrinology*, **1989**, 124, 449-54	4.8	123
18	Decrease in glucose transporter number in skeletal muscle of mildly diabetic (streptozotocin-treated) rats. *Endocrinology*, **1989**, 125, 890-7	4.8	66
17	Role of kinases in insulin stimulation of glucose transport. *Journal of Membrane Biology*, **1989**, 111, 1-23	2.3	15
16	Insulin-induced decrease in 5Snucleotidase activity in skeletal muscle membranes. *FEBS Letters*, **1988**, 238, 419-23	3.8	42
15	Insulin-mediated translocation of glucose transporters from intracellular membranes to plasma membranes: sole mechanism of stimulation of glucose transport in L6 muscle cells. *Biochemical and Biophysical Research Communications*, **1988**, 157, 1329-35	3.4	49
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