

# Alan R Saltiel

## List of Publications by Citations

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

240 papers	35,544 citations	80 h-index	187 g-index
251 ext. papers	38,949 ext. citations	13.1 avg, IF	7.64 L-index

#	Paper	IF	Citations
240	Insulin signalling and the regulation of glucose and lipid metabolism. <i>Nature</i> , <b>2001</b> , 414, 799-806	50.4	3723
239	Obesity induces a phenotypic switch in adipose tissue macrophage polarization. <i>Journal of Clinical Investigation</i> , <b>2007</b> , 117, 175-84	15.9	3102
238	PD 098059 is a specific inhibitor of the activation of mitogen-activated protein kinase kinase in vitro and in vivo. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 27489-94	5.4	2872
237	A synthetic inhibitor of the mitogen-activated protein kinase cascade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1995</b> , 92, 7686-9	11.5	2522
236	Inflammatory links between obesity and metabolic disease. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 2111-7	15.9	1489
235	Blockade of the MAP kinase pathway suppresses growth of colon tumors in vivo. <i>Nature Medicine</i> , <b>1999</b> , 5, 810-6	50.5	840
234	Inflammatory mechanisms linking obesity and metabolic disease. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 1-4	15.9	799
233	Increased inflammatory properties of adipose tissue macrophages recruited during diet-induced obesity. <i>Diabetes</i> , <b>2007</b> , 56, 16-23	0.9	779
232	Inhibition of MAP kinase kinase blocks the differentiation of PC-12 cells induced by nerve growth factor. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 13585-8	5.4	729
231	Phenotypic switching of adipose tissue macrophages with obesity is generated by spatiotemporal differences in macrophage subtypes. <i>Diabetes</i> , <b>2008</b> , 57, 3239-46	0.9	633
230	Signaling pathways in insulin action: molecular targets of insulin resistance. <i>Journal of Clinical Investigation</i> , <b>2000</b> , 106, 165-9	15.9	603
229	New perspectives into the molecular pathogenesis and treatment of type 2 diabetes. <i>Cell</i> , <b>2001</b> , 104, 517-29	56.2	564
228	CAP defines a second signalling pathway required for insulin-stimulated glucose transport. <i>Nature</i> , <b>2000</b> , 407, 202-7	50.4	553
227	Adapting to obesity with adipose tissue inflammation. <i>Nature Reviews Endocrinology</i> , <b>2017</b> , 13, 633-643	15.2	524
226	Regulation of glucose transport by insulin: traffic control of GLUT4. <i>Nature Reviews Molecular Cell Biology</i> , <b>2012</b> , 13, 383-96	48.7	501
225	Insulin-like growth factor 1 inhibits apoptosis using the phosphatidylinositol 3Pkinase and mitogen-activated protein kinase pathways. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 154-61	5.4	494
224	Insulin signaling pathways in time and space. <i>Trends in Cell Biology</i> , <b>2002</b> , 12, 65-71	18.3	489

223	Insulin-stimulated GLUT4 translocation requires the CAP-dependent activation of TC10. <i>Nature</i> , <b>2001</b> , 410, 944-8	50.4	488
222	Intestinal FXR agonism promotes adipose tissue browning and reduces obesity and insulin resistance. <i>Nature Medicine</i> , <b>2015</b> , 21, 159-65	50.5	420
221	Insulin signaling and the regulation of glucose transport. <i>Molecular Medicine</i> , <b>2004</b> , 10, 65-71	6.2	327
220	Mitogen-activated protein kinase kinase inhibition does not block the stimulation of glucose utilization by insulin. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 20801-7	5.4	320
219	A pericellular collagenase directs the 3-dimensional development of white adipose tissue. <i>Cell</i> , <b>2006</b> , 125, 577-91	56.2	305
218	An inhibitor of the protein kinases TBK1 and IKK-e improves obesity-related metabolic dysfunctions in mice. <i>Nature Medicine</i> , <b>2013</b> , 19, 313-21	50.5	293
217	The exocyst complex is required for targeting of Glut4 to the plasma membrane by insulin. <i>Nature</i> , <b>2003</b> , 422, 629-33	50.4	283
216	The protein kinase IKKepsilon regulates energy balance in obese mice. <i>Cell</i> , <b>2009</b> , 138, 961-75	56.2	264
215	Protein-tyrosine-phosphatase SHPTP2 is a required positive effector for insulin downstream signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1995</b> , 92, 664-8	11.5	259
214	Macrophages block insulin action in adipocytes by altering expression of signaling and glucose transport proteins. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2007</b> , 292, E166-74	6	250
213	PTG, a protein phosphatase 1-binding protein with a role in glycogen metabolism. <i>Science</i> , <b>1997</b> , 275, 1475-8	33.3	247
212	PPAR gamma and the treatment of insulin resistance. <i>Trends in Endocrinology and Metabolism</i> , <b>2000</b> , 11, 362-8	8.8	239
211	The discovery of the benzhydroxamate MEK inhibitors CI-1040 and PD 0325901. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2008</b> , 18, 6501-4	2.9	213
210	Insulin stimulates the tyrosine phosphorylation of caveolin. <i>Journal of Cell Biology</i> , <b>1995</b> , 129, 1523-31	7.3	201
209	A novel, multifunctional c-Cbl binding protein in insulin receptor signaling in 3T3-L1 adipocytes. <i>Molecular and Cellular Biology</i> , <b>1998</b> , 18, 872-9	4.8	199
208	Thiazolidinediones and insulin resistance: peroxisome proliferator-activated receptor gamma activation stimulates expression of the CAP gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1998</b> , 95, 14751-6	11.5	173
207	Synip: a novel insulin-regulated syntaxin 4-binding protein mediating GLUT4 translocation in adipocytes. <i>Molecular Cell</i> , <b>1999</b> , 3, 751-60	17.6	167
206	Activation of RalA is required for insulin-stimulated Glut4 trafficking to the plasma membrane via the exocyst and the motor protein Myo1c. <i>Developmental Cell</i> , <b>2007</b> , 13, 391-404	10.2	159

205	Inhibition of AMPK catabolic action by GSK3. <i>Molecular Cell</i> , <b>2013</b> , 50, 407-19	17.6	150
204	In vivo, Pikfyve generates PI(3,5)P2, which serves as both a signaling lipid and the major precursor for PI5P. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 17472-7	11.5	148
203	Lipid raft microdomain compartmentalization of TC10 is required for insulin signaling and GLUT4 translocation. <i>Journal of Cell Biology</i> , <b>2001</b> , 154, 829-40	7.3	145
202	Negative feedback regulation and desensitization of insulin- and epidermal growth factor-stimulated p21ras activation. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 25320-3	5.4	144
201	Changes in integrin expression during adipocyte differentiation. <i>Cell Metabolism</i> , <b>2005</b> , 2, 165-77	24.6	141
200	APS facilitates c-Cbl tyrosine phosphorylation and GLUT4 translocation in response to insulin in 3T3-L1 adipocytes. <i>Molecular and Cellular Biology</i> , <b>2002</b> , 22, 3599-609	4.8	141
199	Insulin generates an enzyme modulator from hepatic plasma membranes: regulation of adenosine 3P5Pmonophosphate phosphodiesterase, pyruvate dehydrogenase, and adenylate cyclase. <i>Endocrinology</i> , <b>1987</b> , 120, 967-72	4.8	141
198	Regulation of both glycogen synthase and PHAS-I by insulin in rat skeletal muscle involves mitogen-activated protein kinase-independent and rapamycin-sensitive pathways. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 5033-9	5.4	136
197	The sorbin homology domain: a motif for the targeting of proteins to lipid rafts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2001</b> , 98, 9098-103	11.5	134
196	Inhibition of the cellular actions of nerve growth factor by staurosporine and K252A results from the attenuation of the activity of the trk tyrosine kinase. <i>Biochemistry</i> , <b>1992</b> , 31, 4034-9	3.2	132
195	Activation of mitogen-activated protein kinase and phosphatidylinositol 3Pkinase is not sufficient for the hormonal stimulation of glucose uptake, lipogenesis, or glycogen synthesis in 3T3-L1 adipocytes. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 3442-6	5.4	127
194	Preferred apical distribution of glycosyl-phosphatidylinositol (GPI) anchored proteins: a highly conserved feature of the polarized epithelial cell phenotype. <i>Journal of Membrane Biology</i> , <b>1990</b> , 113, 155-67	2.3	127
193	Insulin-like growth factor-I-mediated neurite outgrowth in vitro requires mitogen-activated protein kinase activation. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 21268-73	5.4	125
192	Insulin stimulates tyrosine phosphorylation of the proto-oncogene product of c-Cbl in 3T3-L1 adipocytes. <i>Biochemical Journal</i> , <b>1997</b> , 324 ( Pt 3), 839-45	3.8	125
191	Activation of phosphatidylinositol-3 kinase by nerve growth factor involves indirect coupling of the trk proto-oncogene with src homology 2 domains. <i>Neuron</i> , <b>1992</b> , 9, 769-77	13.9	125
190	Insulin-stimulated tyrosine phosphorylation of caveolin is specific for the differentiated adipocyte phenotype in 3T3-L1 cells. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 20706-14	5.4	123
189	ER Stress Drives Lipogenesis and Steatohepatitis via Caspase-2 Activation of S1P. <i>Cell</i> , <b>2018</b> , 175, 133-145	56.1	123
188	Insulin signaling in microdomains of the plasma membrane. <i>Traffic</i> , <b>2003</b> , 4, 711-6	5.7	122

187	Desensitization of Ras activation by a feedback disassociation of the SOS-Grb2 complex. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 20883-6	5.4	122
186	TBK1 at the Crossroads of Inflammation and Energy Homeostasis in Adipose Tissue. <i>Cell</i> , <b>2018</b> , 172, 731-743.e12	16.6	126
185	The tyrosine kinase inhibitor tyrphostin blocks the cellular actions of nerve growth factor. <i>Biochemistry</i> , <b>1993</b> , 32, 4650-8	3.2	116
184	Compartmentalization of the exocyst complex in lipid rafts controls Glut4 vesicle tethering. <i>Molecular Biology of the Cell</i> , <b>2006</b> , 17, 2303-11	3.5	99
183	The activation of glycogen synthase by insulin switches from kinase inhibition to phosphatase activation during adipogenesis in 3T3-L1 cells. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 14063-6	5.4	99
182	Structural basis for recruitment of the adaptor protein APS to the activated insulin receptor. <i>Molecular Cell</i> , <b>2003</b> , 12, 1379-89	17.6	98
181	Emerging functional roles for the glycosyl-phosphatidylinositol membrane protein anchor. <i>Journal of Membrane Biology</i> , <b>1990</b> , 117, 1-10	2.3	98
180	MGL1 promotes adipose tissue inflammation and insulin resistance by regulating 7/4hi monocytes in obesity. <i>Journal of Experimental Medicine</i> , <b>2009</b> , 206, 3143-56	16.6	95
179	Phosphatidylinositol 3,5-bisphosphate plays a role in the activation and subcellular localization of mechanistic target of rapamycin 1. <i>Molecular Biology of the Cell</i> , <b>2012</b> , 23, 2955-62	3.5	94
178	The stomatin/prohibitin/flotillin/HflK/C domain of flotillin-1 contains distinct sequences that direct plasma membrane localization and protein interactions in 3T3-L1 adipocytes. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 16125-34	5.4	94
177	Bone marrow-specific Cap gene deletion protects against high-fat diet-induced insulin resistance. <i>Nature Medicine</i> , <b>2007</b> , 13, 455-62	50.5	93
176	The TC10-interacting protein CIP4/2 is required for insulin-stimulated Glut4 translocation in 3T3L1 adipocytes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2002</b> , 99, 12835-40	11.5	93
175	The insulin receptor catalyzes the tyrosine phosphorylation of caveolin-1. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 30153-8	5.4	91
174	Aldolase mediates the association of F-actin with the insulin-responsive glucose transporter GLUT4. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 17742-7	5.4	91
173	A role for CAP, a novel, multifunctional Src homology 3 domain-containing protein in formation of actin stress fibers and focal adhesions. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 4073-80	5.4	90
172	Inositol glycan mimics the action of insulin on glucose utilization in rat adipocytes. <i>Biochemical and Biophysical Research Communications</i> , <b>1987</b> , 149, 1084-92	3.4	90
171	Ral and Rheb GTPase activating proteins integrate mTOR and GTPase signaling in aging, autophagy, and tumor cell invasion. <i>Molecular Cell</i> , <b>2014</b> , 53, 209-20	17.6	89
170	Gapex-5, a Rab31 guanine nucleotide exchange factor that regulates Glut4 trafficking in adipocytes. <i>Cell Metabolism</i> , <b>2007</b> , 5, 59-72	24.6	86

169	Inhibition of IKK $\epsilon$ and TBK1 Improves Glucose Control in a Subset of Patients with Type 2 Diabetes. <i>Cell Metabolism</i> , <b>2017</b> , 26, 157-170.e7	24.6	85
168	Lipid phosphatases as drug discovery targets for type 2 diabetes. <i>Nature Reviews Drug Discovery</i> , <b>2006</b> , 5, 333-42	64.1	85
167	Atypical protein kinase C (PKC $\zeta$ /lambda) is a convergent downstream target of the insulin-stimulated phosphatidylinositol 3-kinase and TC10 signaling pathways. <i>Journal of Cell Biology</i> , <b>2004</b> , 164, 279-90	7.3	82
166	Small GTP-binding protein TC10 differentially regulates two distinct populations of filamentous actin in 3T3L1 adipocytes. <i>Molecular Biology of the Cell</i> , <b>2002</b> , 13, 2334-46	3.5	82
165	The role of protein phosphatase-1 in insulin action. <i>Endocrine Reviews</i> , <b>2001</b> , 56, 157-73		81
164	Inflammation produces catecholamine resistance in obesity via activation of PDE3B by the protein kinases IKK $\alpha$ and TBK1. <i>ELife</i> , <b>2013</b> , 2, e01119	8.9	81
163	PTG gene deletion causes impaired glycogen synthesis and developmental insulin resistance. <i>Journal of Clinical Investigation</i> , <b>2003</b> , 111, 1423-32	15.9	80
162	RalA-exocyst-dependent recycling endosome trafficking is required for the completion of cytokinesis. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 38609-16	5.4	79
161	Insulin resistance in the defense against obesity. <i>Cell Metabolism</i> , <b>2012</b> , 15, 798-804	24.6	78
160	A Ral GAP complex links PI 3-kinase/Akt signaling to RalA activation in insulin action. <i>Molecular Biology of the Cell</i> , <b>2011</b> , 22, 141-52	3.5	74
159	A role for AGL ubiquitination in the glycogen storage disorders of Lafora and Cori's disease. <i>Genes and Development</i> , <b>2007</b> , 21, 2399-409	12.6	74
158	Structural basis of Ist1 function and Ist1-Did2 interaction in the multivesicular body pathway and cytokinesis. <i>Molecular Biology of the Cell</i> , <b>2009</b> , 20, 3514-24	3.5	73
157	Identification of binding sites on protein targeting to glycogen for enzymes of glycogen metabolism. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 35034-9	5.4	72
156	An AMPK-caspase-6 axis controls liver damage in nonalcoholic steatohepatitis. <i>Science</i> , <b>2020</b> , 367, 652-660	99.3	70
155	TC10 $\alpha$ is required for insulin-stimulated glucose uptake in adipocytes. <i>Endocrinology</i> , <b>2007</b> , 148, 27-33	4.8	70
154	Proliferin induces endothelial cell chemotaxis through a G protein-coupled, mitogen-activated protein kinase-dependent pathway. <i>Endocrinology</i> , <b>1997</b> , 138, 2835-40	4.8	68
153	Nerve growth factor binds to the 140 kd trk proto-oncogene product and stimulates its association with the src homology domain of phospholipase C gamma 1. <i>Biochemical and Biophysical Research Communications</i> , <b>1991</b> , 179, 217-23	3.4	67
152	The roles of Cbl-b and c-Cbl in insulin-stimulated glucose transport. <i>Journal of Biological Chemistry</i> , <b>2003</b> , 278, 36754-62	5.4	66

151	Insulin stimulates the release from liver plasma membranes of a chemical modulator of pyruvate dehydrogenase. <i>Biochemical and Biophysical Research Communications</i> , <b>1981</b> , 102, 1041-7	3.4	64
150	A subcutaneous adipose tissue-liver signalling axis controls hepatic gluconeogenesis. <i>Nature Communications</i> , <b>2015</b> , 6, 6047	17.4	63
149	Role of protein targeting to glycogen (PTG) in the regulation of protein phosphatase-1 activity. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 20198-204	5.4	63
148	Lipotransin: a novel docking protein for hormone-sensitive lipase. <i>Molecular Cell</i> , <b>1999</b> , 4, 109-15	17.6	63
147	Exocyst function is regulated by effector phosphorylation. <i>Nature Cell Biology</i> , <b>2011</b> , 13, 580-8	23.4	62
146	New therapeutic approaches for the treatment of obesity. <i>Science Translational Medicine</i> , <b>2016</b> , 8, 323rv27.5	27.5	60
145	Cloning and characterization of a functional peroxisome proliferator activator receptor-gamma-responsive element in the promoter of the CAP gene. <i>Journal of Biological Chemistry</i> , <b>2000</b> , 275, 9131-5	5.4	60
144	Neutralization of Oxidized Phospholipids Ameliorates Non-alcoholic Steatohepatitis. <i>Cell Metabolism</i> , <b>2020</b> , 31, 189-206.e8	24.6	59
143	TCGAP, a multidomain Rho GTPase-activating protein involved in insulin-stimulated glucose transport. <i>EMBO Journal</i> , <b>2003</b> , 22, 2679-91	13	58
142	Okadaic acid stimulates the activity of microtubule associated protein kinase in PC-12 pheochromocytoma cells. <i>Biochemical and Biophysical Research Communications</i> , <b>1990</b> , 168, 1237-43	3.4	57
141	Negative modulation of membrane localization of the Raf-1 protein kinase by hyperphosphorylation. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 3915-23	5.4	56
140	Stimulation of glycogen synthesis by insulin in human erythroleukemia cells requires the synthesis of glycosyl-phosphatidylinositol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>1994</b> , 91, 9665-9	11.5	56
139	Nerve growth factor stimulates the tyrosine phosphorylation of endogenous Crk-II and augments its association with p130Cas in PC-12 cells. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 7375-80	5.4	55
138	GTP hydrolysis by the Rho family GTPase TC10 promotes exocytic vesicle fusion. <i>Developmental Cell</i> , <b>2006</b> , 11, 411-21	10.2	55
137	Putative mediators of insulin action regulate hepatic acetyl CoA carboxylase activity. <i>Biochemical and Biophysical Research Communications</i> , <b>1983</b> , 110, 789-95	3.4	53
136	Roles for PI(3,5)P2 in nutrient sensing through TORC1. <i>Molecular Biology of the Cell</i> , <b>2014</b> , 25, 1171-85	3.5	52
135	Insulin-stimulated Interaction between insulin receptor substrate 1 and p85alpha and activation of protein kinase B/Akt require Rab5. <i>Journal of Biological Chemistry</i> , <b>2006</b> , 281, 27982-90	5.4	52
134	Insulin Signaling in the Control of Glucose and Lipid Homeostasis. <i>Handbook of Experimental Pharmacology</i> , <b>2016</b> , 233, 51-71	3.2	51



133	Growth factor induced MEK activation is primarily mediated by an activator different from c-raf. <i>Biochemistry</i> , <b>1994</b> , 33, 5595-9	3.2	51
132	Metabolic crosstalk: molecular links between glycogen and lipid metabolism in obesity. <i>Diabetes</i> , <b>2014</b> , 63, 2935-48	0.9	50
131	Mitogen-activated protein kinase kinase inhibition decreases growth hormone stimulated transcription mediated by STAT5. <i>Molecular and Cellular Endocrinology</i> , <b>1997</b> , 133, 169-76	4.4	49
130	The Role of 4-phosphonodifluoromethyl- and 4-phosphono-phenylalanine in the selectivity and cellular uptake of SH2 domain ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1997</b> , 7, 1909-1914	2.9	49
129	The paradoxical regulation of protein phosphorylation in insulin action. <i>FASEB Journal</i> , <b>1994</b> , 8, 1034-40	0.9	49
128	Spatial compartmentalization of signal transduction in insulin action. <i>BioEssays</i> , <b>2001</b> , 23, 215-22	4.1	48
127	Localization of the insulin-like growth factor I receptor binding sites for the SH2 domain proteins p85, Syp, and GTPase activating protein. <i>Journal of Biological Chemistry</i> , <b>1995</b> , 270, 19151-7	5.4	48
126	Rab5 proteins regulate activation and localization of target of rapamycin complex 1. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 20913-21	5.4	47
125	The regulation of glycogen synthase by protein phosphatase 1 in 3T3-L1 adipocytes. Evidence for a potential role for DARPP-32 in insulin action. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 29698-703	5.4	47
124	The functional role of CrkII in actin cytoskeleton organization and mitogenesis. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 3001-8	5.4	46
123	The distribution of glycosyl-phosphatidylinositol anchored proteins is differentially regulated by serum and insulin. <i>Biochemical and Biophysical Research Communications</i> , <b>1989</b> , 164, 824-32	3.4	46
122	Amylin increases cyclic AMP formation in L6 myocytes through calcitonin gene-related peptide receptors. <i>Biochemical and Biophysical Research Communications</i> , <b>1991</b> , 177, 771-6	3.4	46
121	Insulin stimulates phosphatidylinositol 3-phosphate production via the activation of Rab5. <i>Molecular Biology of the Cell</i> , <b>2008</b> , 19, 2718-28	3.5	45
120	The role of glucose metabolites in the activation and translocation of glycogen synthase by insulin in 3T3-L1 adipocytes. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 27497-504	5.4	45
119	Lipotoxicity induces hepatic protein inclusions through TANK binding kinase 1-mediated p62/sequestosome 1 phosphorylation. <i>Hepatology</i> , <b>2018</b> , 68, 1331-1346	11.2	44
118	CAP interacts with cytoskeletal proteins and regulates adhesion-mediated ERK activation and motility. <i>EMBO Journal</i> , <b>2006</b> , 25, 5284-93	13	43
117	Cloning and functional characterization of related TC10 isoforms, a subfamily of Rho proteins involved in insulin-stimulated glucose transport. <i>Journal of Biological Chemistry</i> , <b>2002</b> , 277, 13067-73	5.4	43
116	IL-17 signaling in steatotic hepatocytes and macrophages promotes hepatocellular carcinoma in alcohol-related liver disease. <i>Journal of Hepatology</i> , <b>2020</b> , 72, 946-959	13.4	42



115	Insulin signaling in health and disease. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	42
114	Metabolic effects of troglitazone in the Goto-Kakizaki rat, a non-obese and normolipidemic rodent model of non-insulin-dependent diabetes mellitus. <i>Metabolism: Clinical and Experimental</i> , <b>1997</b> , 46, 192-8	12.7	40
113	Role of mitogen-activated protein kinase kinase in regulation of the epidermal growth factor receptor by protein kinase C. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 12891-6	5.4	39
112	Adipose tissue glycogen accumulation is associated with obesity-linked inflammation in humans. <i>Molecular Metabolism</i> , <b>2016</b> , 5, 5-18	8.8	37
111	Differences in gene expression profiles of diabetic and nondiabetic patients undergoing cardiopulmonary bypass and cardioplegic arrest. <i>Circulation</i> , <b>2004</b> , 110, 11280-6	16.7	37
110	The exocytotic trafficking of TC10 occurs through both classical and nonclassical secretory transport pathways in 3T3L1 adipocytes. <i>Molecular and Cellular Biology</i> , <b>2003</b> , 23, 961-74	4.8	37
109	Cloning and identification of MYPT3: a prenylatable myosin targeting subunit of protein phosphatase 1. <i>Biochemical Journal</i> , <b>2001</b> , 356, 257-267	3.8	36
108	The specific protein phosphatase inhibitor okadaic acid differentially modulates insulin action. <i>Journal of Cellular Biochemistry</i> , <b>1991</b> , 45, 374-80	4.7	35
107	Epidermal growth factor receptor targeting prevents uncoupling of the Grb2-SOS complex. <i>Journal of Biological Chemistry</i> , <b>1996</b> , 271, 8300-6	5.4	34
106	Section Review: Oncologic, Endocrine & Metabolic: Thiazolidinediones. <i>Expert Opinion on Investigational Drugs</i> , <b>1995</b> , 4, 1299-1309	5.9	33
105	p75 Neurotrophin Receptor Regulates Energy Balance in Obesity. <i>Cell Reports</i> , <b>2016</b> , 14, 255-68	10.6	32
104	SRA regulates adipogenesis by modulating p38/JNK phosphorylation and stimulating insulin receptor gene expression and downstream signaling. <i>PLoS ONE</i> , <b>2014</b> , 9, e95416	3.7	31
103	A Rab10:RacA G protein cascade regulates insulin-stimulated glucose uptake in adipocytes. <i>Molecular Biology of the Cell</i> , <b>2014</b> , 25, 3059-69	3.5	31
102	p75 neurotrophin receptor regulates glucose homeostasis and insulin sensitivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2012</b> , 109, 5838-43	11.5	31
101	Cellular mechanisms of signal transduction for neurotrophins. <i>BioEssays</i> , <b>1994</b> , 16, 405-11	4.1	31
100	Short-term action of insulin on Aplysia neurons: generation of a possible novel modulator of ion channels. <i>Journal of Neurobiology</i> , <b>1991</b> , 22, 55-62		31
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