

# Alan R Saltiel

## List of Publications by Year in Descending Order

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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	B-adrenergic receptor downregulation leads to adipocyte catecholamine resistance in obesity. <i>Journal of Clinical Investigation</i> , <b>2021</b> ,	15.9	2
239	Roles of <b>IB</b> kinases and TANK-binding kinase 1 in hepatic lipid metabolism and nonalcoholic fatty liver disease. <i>Experimental and Molecular Medicine</i> , <b>2021</b> , 53, 1697-1705	12.8	5
238	Glycogen metabolism links glucose homeostasis to thermogenesis in adipocytes. <i>Nature</i> , <b>2021</b> , 599, 296-304	50.4	4
237	FGF21 is required for the metabolic benefits of IKK $\beta$ /TBK1 inhibition. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	2
236	NBR1 is a critical step in the repression of thermogenesis of p62-deficient adipocytes through PPAR $\alpha$ <i>Nature Communications</i> , <b>2021</b> , 12, 2876	17.4	3
235	FGF21 promotes thermogenic gene expression as an autocrine factor in adipocytes. <i>Cell Reports</i> , <b>2021</b> , 35, 109331	10.6	12
234	Insulin signaling in health and disease. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	42
233	/ depletion in $\beta$ cells alleviates ER stress and corrects hepatic steatosis in mice. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	9
232	TANK-Binding Kinase 1 Regulates the Localization of Acyl-CoA Synthetase ACSL1 to Control Hepatic Fatty Acid Oxidation. <i>Cell Metabolism</i> , <b>2020</b> , 32, 1012-1027.e7	24.6	15
231	Catecholamines suppress fatty acid re-esterification and increase oxidation in white adipocytes via STAT3. <i>Nature Metabolism</i> , <b>2020</b> , 2, 620-634	14.6	9
230	An AMPK-caspase-6 axis controls liver damage in nonalcoholic steatohepatitis. <i>Science</i> , <b>2020</b> , 367, 652-660	59.3	70
229	Bi-allelic Variants in RALGAPA1 Cause Profound Neurodevelopmental Disability, Muscular Hypotonia, Infantile Spasms, and Feeding Abnormalities. <i>American Journal of Human Genetics</i> , <b>2020</b> , 106, 246-255	11	6
228	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
227	Neutralization of Oxidized Phospholipids Ameliorates Non-alcoholic Steatohepatitis. <i>Cell Metabolism</i> , <b>2020</b> , 31, 189-206.e8	24.6	59
226	From overnutrition to liver injury: AMP-activated protein kinase in nonalcoholic fatty liver diseases. <i>Journal of Biological Chemistry</i> , <b>2020</b> , 295, 12279-12289	5.4	23
225	Interaction of Adipocyte Metabolic and Immune Functions Through TBK1. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 592949	8.4	3
224	Hyaluronan as a potential thermogenic rheostat. <i>Nature Metabolism</i> , <b>2019</b> , 1, 503-504	14.6	

223	Synthesis of deuterium-labelled amlexanox and its metabolic stability against mouse, rat, and human microsomes. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>2019</b> , 62, 202-208	1.9	3
222	YIPF6 controls sorting of FGF21 into COPII vesicles and promotes obesity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2019</b> , 116, 15184-15193	11.5	10
221	TBK1 at the Crossroads of Inflammation and Energy Homeostasis in Adipose Tissue. <i>Cell</i> , <b>2018</b> , 172, 731-743.e12	11.6	12
220	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
219	ERR $\alpha$ Preserves Brown Fat Innate Thermogenic Activity. <i>Cell Reports</i> , <b>2018</b> , 22, 2849-2859	10.6	18
218	RalA controls glucose homeostasis by regulating glucose uptake in brown fat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2018</b> , 115, 7819-7824	11.5	26
217	Design, synthesis, and biological activity of substituted 2-amino-5-oxo-5H-chromeno[2,3-b]pyridine-3-carboxylic acid derivatives as inhibitors of the inflammatory kinases TBK1 and IKK $\gamma$ for the treatment of obesity. <i>Bioorganic and Medicinal Chemistry</i> , <b>2018</b> , 26, 5443-5461	3.4	16
216	Carboxylic Acid Derivatives of Amlexanox Display Enhanced Potency toward TBK1 and IKK and Reveal Mechanisms for Selective Inhibition. <i>Molecular Pharmacology</i> , <b>2018</b> , 94, 1210-1219	4.3	21
215	ER Stress Drives Lipogenesis and Steatohepatitis via Caspase-2 Activation of S1P. <i>Cell</i> , <b>2018</b> , 175, 133-145.e15	15.1	123
214	Phosphorylation of the exocyst protein Exo84 by TBK1 promotes insulin-stimulated GLUT4 trafficking. <i>Science Signaling</i> , <b>2017</b> , 10,	8.8	24
213	Inflammatory mechanisms linking obesity and metabolic disease. <i>Journal of Clinical Investigation</i> , <b>2017</b> , 127, 1-4	15.9	799
212	Creatine Fuels the Thermic Effect of Feeding. <i>Cell Metabolism</i> , <b>2017</b> , 26, 594-595	24.6	0
211	Adapting to obesity with adipose tissue inflammation. <i>Nature Reviews Endocrinology</i> , <b>2017</b> , 13, 633-643	15.2	524
210	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
209	Vinexin family (SORBS) proteins play different roles in stiffness-sensing and contractile force generation. <i>Journal of Cell Science</i> , <b>2017</b> , 130, 3517-3531	5.3	23
208	New therapeutic approaches for the treatment of obesity. <i>Science Translational Medicine</i> , <b>2016</b> , 8, 323rv27.5	27.5	60
207	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
206	p75 Neurotrophin Receptor Regulates Energy Balance in Obesity. <i>Cell Reports</i> , <b>2016</b> , 14, 255-68	10.6	32

205	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
204	A futile approach to fighting obesity?. <i>Cell</i> , <b>2015</b> , 163, 539-40	56.2	2
203	Metabolism: Inflammation keeps old mice healthy. <i>Nature</i> , <b>2015</b> , 528, 44-6	50.4	5
202	Phosphoinositides: Key modulators of energy metabolism. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , <b>2015</b> , 1851, 857-66	5	29
201	Gene Expression Signature in Adipose Tissue of Acromegaly Patients. <i>PLoS ONE</i> , <b>2015</b> , 10, e0129359	3.7	14
200	Zinc finger protein 407 (ZFP407) regulates insulin-stimulated glucose uptake and glucose transporter 4 (Glut4) mRNA. <i>Journal of Biological Chemistry</i> , <b>2015</b> , 290, 6376-86	5.4	28
199	Gene expression changes in subcutaneous adipose tissue due to Cushing's disease. <i>Journal of Molecular Endocrinology</i> , <b>2015</b> , 55, 81-94	4.5	18
198	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
197	White, brown, and beige; type 2 immunity gets hot. <i>Immunity</i> , <b>2015</b> , 42, 15-7	32.3	10
196	A subcutaneous adipose tissue-liver signalling axis controls hepatic gluconeogenesis. <i>Nature Communications</i> , <b>2015</b> , 6, 6047	17.4	63
195	Obesity: A complex role for adipose tissue macrophages. <i>Nature Reviews Endocrinology</i> , <b>2014</b> , 10, 193-4	15.2	9
194	Metabolic crosstalk: molecular links between glycogen and lipid metabolism in obesity. <i>Diabetes</i> , <b>2014</b> , 63, 2935-48	0.9	50
193	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
192	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
191	Otopetrin 1 protects mice from obesity-associated metabolic dysfunction through attenuating adipose tissue inflammation. <i>Diabetes</i> , <b>2014</b> , 63, 1340-52	0.9	26
190	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
189	A Rab10:RafA 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
188	The lipid kinase PI4KIII $\alpha$ s highly expressed in breast tumors and activates Akt in cooperation with Rab11a. <i>Molecular Cancer Research</i> , <b>2014</b> , 12, 1492-508	6.6	17

187	An inhibitor of the protein kinases TBK1 and IKK- $\epsilon$ improves obesity-related metabolic dysfunctions in mice. <i>Nature Medicine</i> , <b>2013</b> , 19, 313-21	50.5	293
186	Inhibition of AMPK catabolic action by GSK3. <i>Molecular Cell</i> , <b>2013</b> , 50, 407-19	17.6	150
185	Negative regulation of the RalGAP complex by 14-3-3. <i>Journal of Biological Chemistry</i> , <b>2013</b> , 288, 9272-83	3.4	14
184	Inflammation produces catecholamine resistance in obesity via activation of PDE3B by the protein kinases IKK $\beta$ and TBK1. <i>eLife</i> , <b>2013</b> , 2, e01119	8.9	81
183	Autophagy works out. <i>Cell Metabolism</i> , <b>2012</b> , 15, 273-4	24.6	12
182	Insulin resistance in the defense against obesity. <i>Cell Metabolism</i> , <b>2012</b> , 15, 798-804	24.6	78
181	Phosphoinositides in insulin action and diabetes. <i>Current Topics in Microbiology and Immunology</i> , <b>2012</b> , 362, 61-85	3.3	6
180	TC10 is regulated by caveolin in 3T3-L1 adipocytes. <i>PLoS ONE</i> , <b>2012</b> , 7, e42451	3.7	10
179	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
178	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
177	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
176	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
175	In vivo, PI3K generates PI(3,5)P <sub>2</sub> , 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
174	Derepressing nuclear receptors for metabolic adaptation. <i>Cell</i> , <b>2011</b> , 147, 717-8	56.2	4
173	Inflammatory links between obesity and metabolic disease. <i>Journal of Clinical Investigation</i> , <b>2011</b> , 121, 2111-7	15.9	1489
172	Exocyst function is regulated by effector phosphorylation. <i>Nature Cell Biology</i> , <b>2011</b> , 13, 580-8	23.4	62
171	RalB engagement with the exocyst: breaking up is hard to do. <i>Cell Cycle</i> , <b>2011</b> , 10, 2299-304	4.7	8
170	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

169	Circadian metabolic regulation through crosstalk between casein kinase 1 $\alpha$ and transcriptional coactivator PGC-1 $\alpha$ . <i>Molecular Endocrinology</i> , <b>2011</b> , 25, 2084-93		18
168	Fishing out a sensor for anti-inflammatory oils. <i>Cell</i> , <b>2010</b> , 142, 672-4	56.2	16
167	Distinct mutations in the glycogen debranching enzyme found in glycogen storage disease type III lead to impairment in diverse cellular functions. <i>Human Molecular Genetics</i> , <b>2009</b> , 18, 2045-52	5.6	25
166	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
165	Von Gierke's disease adopts an orphan (and its partner). <i>Science Signaling</i> , <b>2009</b> , 2, pe8	8.8	2
164	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
163	The protein kinase IKKepsilon regulates energy balance in obese mice. <i>Cell</i> , <b>2009</b> , 138, 961-75	56.2	264
162	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
161	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
160	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
159	Increased inflammatory properties of adipose tissue macrophages recruited during diet-induced obesity. <i>Diabetes</i> , <b>2007</b> , 56, 16-23	0.9	779
158	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
157	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
156	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
155	TC10alpha is required for insulin-stimulated glucose uptake in adipocytes. <i>Endocrinology</i> , <b>2007</b> , 148, 27-33	4.8	70
154	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
153	Identification of CAP as a costameric protein that interacts with filamin C. <i>Molecular Biology of the Cell</i> , <b>2007</b> , 18, 4731-40	3.5	26
152	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

151	TIRFing out studies on Glut4 trafficking. <i>Developmental Cell</i> , <b>2007</b> , 12, 4-5	10.2	7
150	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
149	Mechanisms of Insulin Action <b>2007</b> ,		3
148	Subcellular Compartmentalization of Insulin Signaling Processes and GLUT4 Trafficking Events <b>2007</b> , 33-51		0
147	More TORC for the gluconeogenic engine. <i>BioEssays</i> , <b>2006</b> , 28, 231-4	4.1	10
146	Regulation of the mouse protein targeting to glycogen (PTG) promoter by the FoxA2 forkhead protein and by 3P5Pcyclic adenosine 5Pmonophosphate in H4IIE hepatoma cells. <i>Endocrinology</i> , <b>2006</b> , 147, 3606-12	4.8	9
145	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
144	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
143	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
142	TC10 and insulin-stimulated glucose transport. <i>Methods in Enzymology</i> , <b>2006</b> , 406, 701-14	1.7	19
141	A pericellular collagenase directs the 3-dimensional development of white adipose tissue. <i>Cell</i> , <b>2006</b> , 125, 577-91	56.2	305
140	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
139	Insulin hts on autophagy. <i>Autophagy</i> , <b>2006</b> , 2, 250-3	10.2	8
138	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
137	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
136	Holding the line on hepatic fat. <i>Cell Metabolism</i> , <b>2005</b> , 2, 1-2	24.6	3
135	Changes in integrin expression during adipocyte differentiation. <i>Cell Metabolism</i> , <b>2005</b> , 2, 165-77	24.6	141
134	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



133	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
132	Insulin signaling and the regulation of glucose transport. <i>Molecular Medicine</i> , <b>2004</b> , 10, 65-71	6.2	327
131	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
130	Insulin Action, Post-Receptor Mechanisms <b>2004</b> , 14-22		0
129	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
128	Putting the brakes on insulin signaling. <i>New England Journal of Medicine</i> , <b>2003</b> , 349, 2560-2	59.2	30
127	Cloning and Characterization of Cbl-associated Protein Splicing Isoforms. <i>Molecular Medicine</i> , <b>2003</b> , 9, 18-25	6.2	17
126	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
125	Insulin signaling in microdomains of the plasma membrane. <i>Traffic</i> , <b>2003</b> , 4, 711-6	5.7	122
124	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
123	Muscle or fat? Rho bridges the GAP. <i>Cell</i> , <b>2003</b> , 113, 144-5	56.2	4
122	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
121	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
120	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
119	Cloning and characterization of Cbl-associated protein splicing isoforms. <i>Molecular Medicine</i> , <b>2003</b> , 9, 18-25	6.2	11
118	Insulin signaling pathways in time and space. <i>Trends in Cell Biology</i> , <b>2002</b> , 12, 65-71	18.3	489
117	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
116	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



115	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
114	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
113	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
112	Cloning and identification of MYPT3: a prenylatable myosin targetting subunit of protein phosphatase 1. <i>Biochemical Journal</i> , <b>2001</b> , 356, 257-267	3.8	36
111	Insulin and Glucagon <b>2001</b> ,		1
110	Spatial compartmentalization of signal transduction in insulin action. <i>BioEssays</i> , <b>2001</b> , 23, 215-22	4.1	48
109	Insulin signalling and the regulation of glucose and lipid metabolism. <i>Nature</i> , <b>2001</b> , 414, 799-806	50.4	3723
108	Insulin-stimulated GLUT4 translocation requires the CAP-dependent activation of TC10. <i>Nature</i> , <b>2001</b> , 410, 944-8	50.4	488
107	Activation of glycogen synthase by insulin in 3T3-L1 adipocytes involves c-Cbl-associating protein (CAP)-dependent and CAP-independent signaling pathways. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 6065-8	5.4	21
106	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
105	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
104	New perspectives into the molecular pathogenesis and treatment of type 2 diabetes. <i>Cell</i> , <b>2001</b> , 104, 517-29	56.2	564
103	The role of protein phosphatase-1 in insulin action. <i>Endocrine Reviews</i> , <b>2001</b> , 56, 157-73		81
102	Cloning and identification of MYPT3: a prenylatable myosin targetting subunit of protein phosphatase 1. <i>Biochemical Journal</i> , <b>2001</b> , 356, 257-67	3.8	22
101	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
100	CAP defines a second signalling pathway required for insulin-stimulated glucose transport. <i>Nature</i> , <b>2000</b> , 407, 202-7	50.4	553
99	Another hormone-sensitive triglyceride lipase in fat cells?. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2000</b> , 97, 535-7	11.5	20
98	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

97	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
96	PPAR gamma and the treatment of insulin resistance. <i>Trends in Endocrinology and Metabolism</i> , <b>2000</b> , 11, 362-8	8.8	239
95	Mutational analysis of the coding regions of the genes encoding protein kinase B-alpha and -beta, phosphoinositide-dependent protein kinase-1, phosphatase targeting to glycogen, protein phosphatase inhibitor-1, and glycogenin: lessons from a search for genetic variability of the insulin-stimulated glycogen synthesis pathway of skeletal muscle in NIDDM patients. <i>Diabetes</i> , <b>1999</b> , 48, 1033-41	0.9	14
94	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
93	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
92	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
91	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
90	Spatial Compartmentalization in the Regulation of Glucose Metabolism by Insulin. <i>Trends in Endocrinology and Metabolism</i> , <b>1999</b> , 10, 408-413	8.8	14
89	Lipotransin: a novel docking protein for hormone-sensitive lipase. <i>Molecular Cell</i> , <b>1999</b> , 4, 109-15	17.6	63
88	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
87	Closing in on the cause of insulin resistance and type 2 diabetes. <i>Journal of Clinical Investigation</i> , <b>1999</b> , 104, 675-6	15.9	11
86	Spatial determinants of specificity in insulin action. <i>Molecular and Cellular Biochemistry</i> , <b>1998</b> , 182, 65-71	4.2	16
85	Troglitazone increases system A amino acid transport in 3T3-L1 cells. <i>Endocrinology</i> , <b>1998</b> , 139, 832-7	4.8	12
84	Regulation of system A amino acid transport in 3T3-L1 adipocytes by insulin. <i>Journal of Biological Chemistry</i> , <b>1998</b> , 273, 3173-9	5.4	24
83	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
82	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
81	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
80	Chapter 4 Cellular mechanisms of signal transduction for growth factors. <i>Advances in Molecular and Cellular Endocrinology</i> , <b>1998</b> , 83-97		1

79	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
78	Spatial determinants of specificity in insulin action <b>1998</b> , 65-71		1
77	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
76	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
75	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
74	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
73	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
72	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
71	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
70	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
69	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
68	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
67	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
66	Structure-based design of novel, dipeptide ligands targeting the pp60Src SH2 domain. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1997</b> , 7, 1107-1112	2.9	7
65	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
64	Design of peptidomimetic ligands for the pp60src SH2 domain. <i>Bioorganic and Medicinal Chemistry</i> , <b>1997</b> , 5, 41-7	3.4	28
63	Inducible expression of a mutant form of MEK1 in Swiss 3T3 cells <b>1997</b> , 67, 367-377		6
62	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

61	Nuclear magnetic resonance solution structure of the growth factor receptor-bound protein 2 Src homology 2 domain. <i>Biochemistry</i> , <b>1996</b> , 35, 11852-64	3.2	24
60	Novel phosphotyrosine mimetics in the design of peptide ligands for pp60src SH2 domain. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>1996</b> , 6, 1209-1214	2.9	28
59	Targeting signal transduction in the discovery of antiproliferative drugs. <i>Chemistry and Biology</i> , <b>1996</b> , 3, 887-93		26
58	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
57	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
56	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
55	Structural and functional roles of glycosylphosphoinositides. <i>Sub-Cellular Biochemistry</i> , <b>1996</b> , 26, 165-85	5.5	3
54	Differentiation of peptide molecular recognition by phospholipase C gamma-1 Src homology-2 domain and a mutant Tyr phosphatase PTP1bC215S. <i>Protein Science</i> , <b>1995</b> , 4, 13-20	6.3	2
53	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
52	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
51	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
50	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
49	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
48	Section Review: Oncologic, Endocrine & Metabolic: Thiazolidinediones. <i>Expert Opinion on Investigational Drugs</i> , <b>1995</b> , 4, 1299-1309	5.9	33
47	Insulin stimulates the tyrosine phosphorylation of caveolin. <i>Journal of Cell Biology</i> , <b>1995</b> , 129, 1523-31	7.3	201
46	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
45	Expression of a catalytically inert Syp blocks activation of MAP kinase pathway downstream of p21ras. <i>Biochemical and Biophysical Research Communications</i> , <b>1995</b> , 214, 737-43	3.4	23
44	Thiazolidinediones are novel insulin-sensitizing agents. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , <b>1995</b> , 2, 341-347		20

43	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
42	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
41	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
40	The paradoxical regulation of protein phosphorylation in insulin action. <i>FASEB Journal</i> , <b>1994</b> , 8, 1034-40	0.9	49
39	Cellular mechanisms of signal transduction for neurotrophins. <i>BioEssays</i> , <b>1994</b> , 16, 405-11	4.1	31
38	Developmentally regulated testicular galactolipid sulfotransferase inhibitor is a phosphoinositol glycerolipid and insulin-mimetic. <i>Molecular Reproduction and Development</i> , <b>1994</b> , 37, 462-6	2.6	5
37	c-Myc does not require max for transcriptional activity in PC-12 cells. <i>Molecular and Cellular Neurosciences</i> , <b>1994</b> , 5, 277-82	4.8	26
36	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
35	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
34	Inhibition of binding of phospholipase C gamma 1 SH2 domains to phosphorylated epidermal growth factor receptor by phosphorylated peptides. <i>International Journal of Peptide and Protein Research</i> , <b>1993</b> , 42, 240-8		20
33	The stimulation of pp42mapkinase by insulin does not correlate with its metabolic actions in cells overexpressing mutant insulin receptors. <i>Biochemical and Biophysical Research Communications</i> , <b>1993</b> , 196, 301-10	3.4	14
32	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
31	Pleiotropic signaling from receptor tyrosine kinases. <i>Current Opinion in Neurobiology</i> , <b>1993</b> , 3, 352-9	7.6	19
30	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
29	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
28	Diversity in cellular signaling for nerve growth factor and insulin: variations on a common theme. <i>Journal of Investigative Dermatology</i> , <b>1992</b> , 98, 17S-20S	4.3	1
27	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
26	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

25	Diversity in cellular signaling for nerve growth factor and insulin: variations on a common theme. <i>Molecular and Cellular Endocrinology</i> , <b>1991</b> , 81, C197-202	4.4	11
24	Synthesis of phosphatidylinositol in rat liver microsomes is accompanied by the rapid formation of lysophosphatidylinositol. <i>Lipids and Lipid Metabolism</i> , <b>1991</b> , 1084, 269-78		15
23	Fatty acid remodelling of phosphatidylinositol under conditions of de novo synthesis in rat liver microsomes. <i>Lipids and Lipid Metabolism</i> , <b>1991</b> , 1084, 279-91		17
22	Coenzyme A-dependent, ATP-independent acylation of 2-acyl lysophosphatidylinositol in rat liver microsomes. <i>Lipids and Lipid Metabolism</i> , <b>1991</b> , 1084, 292-9		14
21	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
20	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
19	Functional consequences of lipid-mediated protein-membrane interactions. <i>Biochemical Pharmacology</i> , <b>1991</b> , 42, 1-11	6	21
18	The role of glycosyl-phosphoinositides in hormone action. <i>Journal of Bioenergetics and Biomembranes</i> , <b>1991</b> , 23, 29-41	3.7	30
17	Signal transduction in insulin action. <i>Journal of Nutritional Biochemistry</i> , <b>1990</b> , 1, 180-8	6.3	8
16	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
15	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
14	Second messengers of insulin action. <i>Trends in Endocrinology and Metabolism</i> , <b>1990</b> , 1, 158-63	8.8	7
13	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
12	Second Messengers of Insulin Action <b>1990</b> , 391-399		
11	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
10	The role of glycosylphosphoinositides in signal transduction. <i>Endocrine Reviews</i> , <b>1989</b> , 45, 353-79; discussion 379-82		5
9	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
8	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



7	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
6	Thyrotropin binding to porcine thyroid plasma membranes: kinetic and thermodynamic analyses. <i>Molecular and Cellular Endocrinology</i> , <b>1982</b> , 28, 299-312	4-4	11
5	Dissociation kinetics of the thyrotropin-receptor complex. Characterization of a slowly dissociable component. <i>Molecular and Cellular Endocrinology</i> , <b>1981</b> , 24, 219-31	4-4	6
4	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
3	Regulation of thyroid adenylate cyclase: guanyl nucleotide modulation of thyrotropin receptor-adenylate cyclase function. <i>Endocrinology</i> , <b>1981</b> , 109, 1578-89	4-8	16
2	Apparent "negative cooperativity" kinetics in the absence of a nonlinear Scatchard plot of thyrotropin-receptor interaction in a human thyroid adenoma. <i>Biochemical and Biophysical Research Communications</i> , <b>1980</b> , 95, 395-403	3-4	14
1	Proliferin Induces Endothelial Cell Chemotaxis through a G Protein-Coupled, Mitogen-Activated Protein Kinase-Dependent Pathway		27