

Morris J Birnbaum

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.

207
papers

34,848
citations

90
h-index

186
g-index

215
ext. papers

37,839
ext. citations

13.8
avg, IF

6.93
L-index

#	Paper	IF	Citations
207	Addressing unmet needs for people with cancer cachexia: recommendations from a multistakeholder workshop.. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , 2022 ,	10.3	3
206	Molecular aspects of fructose metabolism and metabolic disease. <i>Cell Metabolism</i> , 2021 , 33, 2329-2354	24.6	9
205	Metabolic drivers of non-alcoholic fatty liver disease. <i>Molecular Metabolism</i> , 2021 , 50, 101143	8.8	22
204	Pharmacologic inhibition of ketohexokinase prevents fructose-induced metabolic dysfunction. <i>Molecular Metabolism</i> , 2021 , 48, 101196	8.8	7
203	The aetiology and molecular landscape of insulin resistance. <i>Nature Reviews Molecular Cell Biology</i> , 2021 , 22, 751-771	48.7	35
202	Inhibition of ketohexokinase in adults with NAFLD reduces liver fat and inflammatory markers: A randomized phase 2 trial.. <i>Med</i> , 2021 , 2, 800-813.e3	31.7	5
201	GDF-15 Neutralization Alleviates Platinum-Based Chemotherapy-Induced Emesis, Anorexia, and Weight Loss in Mice and Nonhuman Primates. <i>Cell Metabolism</i> , 2020 , 32, 938-950.e6	24.6	18
200	JUND regulates pancreatic β cell survival during metabolic stress. <i>Molecular Metabolism</i> , 2019 , 25, 95-106.8		14
199	Innate Immune Signaling in Drosophila Blocks Insulin Signaling by Uncoupling PI(3,4,5)P Production and Akt Activation. <i>Cell Reports</i> , 2018 , 22, 2550-2556	10.6	26
198	Activation of Liver AMPK with PF-06409577 Corrects NAFLD and Lowers Cholesterol in Rodent and Primate Preclinical Models. <i>EBioMedicine</i> , 2018 , 31, 122-132	8.8	69
197	The Small Intestine Converts Dietary Fructose into Glucose and Organic Acids. <i>Cell Metabolism</i> , 2018 , 27, 351-361.e3	24.6	264
196	Targeting hepatic glutaminase activity to ameliorate hyperglycemia. <i>Nature Medicine</i> , 2018 , 24, 518-524	50.5	28
195	Hepatic Gi signaling regulates whole-body glucose homeostasis. <i>Journal of Clinical Investigation</i> , 2018 , 128, 746-759	15.9	21
194	Unraveling the Regulation of Hepatic Metabolism by Insulin. <i>Trends in Endocrinology and Metabolism</i> , 2017 , 28, 497-505	8.8	159
193	Selective Activation of AMPK 1-Containing Isoforms Improves Kidney Function in a Rat Model of Diabetic Nephropathy. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2017 , 361, 303-311	4.7	47
192	mTORC1 stimulates phosphatidylcholine synthesis to promote triglyceride secretion. <i>Journal of Clinical Investigation</i> , 2017 , 127, 4207-4215	15.9	38
191	Pharma and Academia: What We Have Here Is a Failure to Communicate. <i>Cell Metabolism</i> , 2016 , 24, 365-367	36.7	4

190	SREBP1c-CRY1 signalling represses hepatic glucose production by promoting FOXO1 degradation during refeeding. <i>Nature Communications</i> , 2016 , 7, 12180	17.4	42
189	Lack of AKT in adipocytes causes severe lipodystrophy. <i>Molecular Metabolism</i> , 2016 , 5, 472-479	8.8	41
188	Spontaneous Hepatocellular Carcinoma after the Combined Deletion of Akt Isoforms. <i>Cancer Cell</i> , 2016 , 29, 523-535	24.3	71
187	Insulin Is Required to Maintain Albumin Expression by Inhibiting Forkhead Box O1 Protein. <i>Journal of Biological Chemistry</i> , 2016 , 291, 2371-8	5.4	18
186	Principles of Hormone Action 2016 , 18-48		3
185	Akt-mediated foxo1 inhibition is required for liver regeneration. <i>Hepatology</i> , 2016 , 63, 1660-74	11.2	34
184	Direct Hepatocyte Insulin Signaling Is Required for Lipogenesis but Is Dispensable for the Suppression of Glucose Production. <i>Cell Metabolism</i> , 2016 , 23, 1154-1166	24.6	151
183	Glucagon: acute actions on hepatic metabolism. <i>Diabetologia</i> , 2016 , 59, 1376-1381	10.3	31
182	Insulin-Dependent Regulation of mTORC2-Akt-FoxO Suppresses TLR4 Signaling in Human Leukocytes: Relevance to Type 2 Diabetes. <i>Diabetes</i> , 2016 , 65, 2224-34	0.9	15
181	Proteolytic Cleavage of AMPK and Intracellular MMP9 Expression Are Both Required for TLR4-Mediated mTORC1 Activation and HIF-1 β Expression in Leukocytes. <i>Journal of Immunology</i> , 2015 , 195, 2452-60	5.3	18
180	The Role of PDE3B Phosphorylation in the Inhibition of Lipolysis by Insulin. <i>Molecular and Cellular Biology</i> , 2015 , 35, 2752-60	4.8	49
179	Phosphorylation of GATA-6 is required for vascular smooth muscle cell differentiation after mTORC1 inhibition. <i>Science Signaling</i> , 2015 , 8, ra44	8.8	27
178	The role of mouse Akt2 in insulin-dependent suppression of adipocyte lipolysis in vivo. <i>Diabetologia</i> , 2015 , 58, 1063-70	10.3	18
177	Hepatic insulin signalling is dispensable for suppression of glucose output by insulin in vivo. <i>Nature Communications</i> , 2015 , 6, 7078	17.4	98
176	Oxalic acid and diacylglycerol 36:3 are cross-species markers of sleep debt. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 2569-74	11.5	81
175	Hepatic acetyl CoA links adipose tissue inflammation to hepatic insulin resistance and type 2 diabetes. <i>Cell</i> , 2015 , 160, 745-758	56.2	419
174	mTORC1 Down-Regulates Cyclin-Dependent Kinase 8 (CDK8) and Cyclin C (CycC). <i>PLoS ONE</i> , 2015 , 10, e0126240	3.7	18
173	Memory CD8(+) T cells use cell-intrinsic lipolysis to support the metabolic programming necessary for development. <i>Immunity</i> , 2014 , 41, 75-88	32.3	463

172	Control of gluconeogenesis by metformin: does redox trump energy charge?. <i>Cell Metabolism</i> , 2014 , 20, 197-9	24.6	51
171	The Polycomb protein, Bmi1, regulates insulin sensitivity. <i>Molecular Metabolism</i> , 2014 , 3, 794-802	8.8	9
170	Akt recruits Dab2 to albumin endocytosis in the proximal tubule. <i>American Journal of Physiology - Renal Physiology</i> , 2014 , 307, F1380-9	4.3	17
169	The LKB1-salt-inducible kinase pathway functions as a key gluconeogenic suppressor in the liver. <i>Nature Communications</i> , 2014 , 5, 4535	17.4	99
168	A noncanonical, GSK3-independent pathway controls postprandial hepatic glycogen deposition. <i>Cell Metabolism</i> , 2013 , 18, 99-105	24.6	59
167	Construction of human activity-based phosphorylation networks. <i>Molecular Systems Biology</i> , 2013 , 9, 655	12.2	134
166	Biguanides suppress hepatic glucagon signalling by decreasing production of cyclic AMP. <i>Nature</i> , 2013 , 494, 256-60	50.4	565
165	Rapamycin induces mitogen-activated protein (MAP) kinase phosphatase-1 (MKP-1) expression through activation of protein kinase B and mitogen-activated protein kinase kinase pathways. <i>Journal of Biological Chemistry</i> , 2013 , 288, 33966-33977	5.4	41
164	Natural and inducible TH17 cells are regulated differently by Akt and mTOR pathways. <i>Nature Immunology</i> , 2013 , 14, 611-8	19.1	63
163	Akt1 deficiency in schizophrenia and impairment of hippocampal plasticity and function. <i>Hippocampus</i> , 2012 , 22, 230-40	3.5	64
162	MICU1 is an essential gatekeeper for MCU-mediated mitochondrial Ca ²⁺ uptake that regulates cell survival. <i>Cell</i> , 2012 , 151, 630-44	56.2	441
161	Mio/dChREBP coordinately increases fat mass by regulating lipid synthesis and feeding behavior in <i>Drosophila</i> . <i>Biochemical and Biophysical Research Communications</i> , 2012 , 426, 43-8	3.4	28
160	Skeletal Muscle Metabolism 2012 , 841-853		
159	PPAR α contributes to PKM2 and HK2 expression in fatty liver. <i>Nature Communications</i> , 2012 , 3, 672	17.4	107
158	Physiology. De-meaning of metabolism. <i>Science</i> , 2012 , 336, 1651-2	33.3	26
157	Insulin regulates liver metabolism in vivo in the absence of hepatic Akt and Foxo1. <i>Nature Medicine</i> , 2012 , 18, 388-95	50.5	260
156	Hepatic Hdac3 promotes gluconeogenesis by repressing lipid synthesis and sequestration. <i>Nature Medicine</i> , 2012 , 18, 934-42	50.5	240
155	Membrane depolarization is the trigger for PI3K/Akt activation and leads to the generation of ROS. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H105-14	5.2	105

154	TLR4-mediated AKT activation is MyD88/TRIF dependent and critical for induction of oxidative phosphorylation and mitochondrial transcription factor A in murine macrophages. <i>Journal of Immunology</i> , 2012 , 188, 2847-57	5.3	86
153	Loss of Akt1 in mice increases energy expenditure and protects against diet-induced obesity. <i>Molecular and Cellular Biology</i> , 2012 , 32, 96-106	4.8	44
152	The combined deletion of S6K1 and Akt2 deteriorates glycemic control in a high-fat diet. <i>Molecular and Cellular Biology</i> , 2012 , 32, 4001-11	4.8	17
151	Distinct mTORC1 pathways for transcription and cleavage of SREBP-1c. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 15974-5	11.5	20
150	Akt and mTOR Pathways Differentially Regulate the Development of Natural and Inducible IL-17-Producing CD4+ T Cells. <i>Blood</i> , 2012 , 120, 838-838	2.2	
149	Postprandial hepatic lipid metabolism requires signaling through Akt2 independent of the transcription factors FoxA2, FoxO1, and SREBP1c. <i>Cell Metabolism</i> , 2011 , 14, 516-27	24.6	93
148	Of mice and men: not ExAKTly the same?. <i>Cell Metabolism</i> , 2011 , 14, 722-3	24.6	3
147	Insulin signaling to hepatic lipid metabolism in health and disease. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2011 , 46, 200-15	8.7	110
146	Cell biology. ADaPting to energetic stress. <i>Science</i> , 2011 , 332, 1387-8	33.3	16
145	Receptor-mediated activation of ceramidase activity initiates the pleiotropic actions of adiponectin. <i>Nature Medicine</i> , 2011 , 17, 55-63	50.5	635
144	Novel role for SGK3 in glucose homeostasis revealed in SGK3/Akt2 double-null mice. <i>Molecular Endocrinology</i> , 2011 , 25, 2106-18		11
143	A novel Akt3 mutation associated with enhanced kinase activity and seizure susceptibility in mice. <i>Human Molecular Genetics</i> , 2011 , 20, 988-99	5.6	49
142	Adiponectin suppresses gluconeogenic gene expression in mouse hepatocytes independent of LKB1-AMPK signaling. <i>Journal of Clinical Investigation</i> , 2011 , 121, 2518-28	15.9	125
141	Akt2/PKCbeta-sensitive regulation of renal phosphate transport. <i>Acta Physiologica</i> , 2010 , 200, 75-85	5.6	10
140	Activation of Akt is essential for the propagation of mitochondrial respiratory stress signaling and activation of the transcriptional coactivator heterogeneous ribonucleoprotein A2. <i>Molecular Biology of the Cell</i> , 2010 , 21, 3578-89	3.5	49
139	Regulation of gastric acid secretion by PKB/Akt2. <i>Cellular Physiology and Biochemistry</i> , 2010 , 25, 695-704	3.9	12
138	Insulin regulates adipocyte lipolysis via an Akt-independent signaling pathway. <i>Molecular and Cellular Biology</i> , 2010 , 30, 5009-20	4.8	141
137	Three-amino-acid-loop-extension homeodomain factor Meis3 regulates cell survival via PDK1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 20494-9	11.5	16

136	Akt pathway is hypoactivated by synergistic actions of diabetes mellitus and hypercholesterolemia resulting in advanced coronary artery disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 299, H699-706	5.2	31
135	Regulation of renal tubular glucose reabsorption by Akt2/PKB. <i>American Journal of Physiology - Renal Physiology</i> , 2010 , 298, F1113-7	4.3	11
134	Role of insulin-like growth factor-binding protein 5 (IGFBP5) in organismal and pancreatic beta-cell growth. <i>Molecular Endocrinology</i> , 2010 , 24, 178-92		29
133	Akt is required for Stat5 activation and mammary differentiation. <i>Breast Cancer Research</i> , 2010 , 12, R72	8.3	34
132	Expansion of hepatic tumor progenitor cells in Pten-null mice requires liver injury and is reversed by loss of AKT2. <i>Gastroenterology</i> , 2010 , 139, 2170-82	13.3	72
131	Essential regulation of cell bioenergetics by constitutive InsP3 receptor Ca ²⁺ transfer to mitochondria. <i>Cell</i> , 2010 , 142, 270-83	56.2	740
130	AMPK supports growth in Drosophila by regulating muscle activity and nutrient uptake in the gut. <i>Developmental Biology</i> , 2010 , 344, 293-303	3.1	36
129	The critical role of AKT2 in hepatic steatosis induced by PTEN loss. <i>American Journal of Pathology</i> , 2010 , 176, 2302-8	5.8	77
128	AKT1 and AKT2 maintain hematopoietic stem cell function by regulating reactive oxygen species. <i>Blood</i> , 2010 , 115, 4030-8	2.2	219
127	Akt1 and Akt2 promote peripheral B-cell maturation and survival. <i>Blood</i> , 2010 , 115, 4043-50	2.2	67
126	An energetic tale of AMPK-independent effects of metformin. <i>Journal of Clinical Investigation</i> , 2010 , 120, 2267-70	15.9	114
125	Akt deficiency attenuates muscle size and function but not the response to ActRIIB inhibition. <i>PLoS ONE</i> , 2010 , 5, e12707	3.7	46
124	Akt/PKB-sensitive proximal tubular glucose and phosphate transport. <i>FASEB Journal</i> , 2010 , 24, 606.5	0.9	
123	Akt2 and SGK3 are both determinants of postnatal hair follicle development. <i>FASEB Journal</i> , 2009 , 23, 3193-202	0.9	17
122	The immune response attenuates growth and nutrient storage in Drosophila by reducing insulin signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 20853-8	11.5	186
121	Regulation of fat cell mass by insulin in Drosophila melanogaster. <i>Molecular and Cellular Biology</i> , 2009 , 29, 6341-52	4.8	111
120	Contribution of insulin and Akt1 signaling to endothelial nitric oxide synthase in the regulation of endothelial function and blood pressure. <i>Circulation Research</i> , 2009 , 104, 1085-94	15.7	145
119	Ciliary neurotrophic factor stimulates muscle glucose uptake by a PI3-kinase-dependent pathway that is impaired with obesity. <i>Diabetes</i> , 2009 , 58, 829-39	0.9	40

118	Differential regulation of Akt/protein kinase B isoforms during cell cycle progression. <i>FEBS Letters</i> , 2009 , 583, 685-90	3.8	27
117	The role of FOXO in the regulation of metabolism. <i>Current Diabetes Reports</i> , 2009 , 9, 208-14	5.6	145
116	Akt2 is required for hepatic lipid accumulation in models of insulin resistance. <i>Cell Metabolism</i> , 2009 , 10, 405-18	24.6	216
115	The role of FoxO in the regulation of metabolism. <i>Oncogene</i> , 2008 , 27, 2320-36	9.2	388
114	Linker region of Akt1/protein kinase Balpha mediates platelet-derived growth factor-induced translocation and cell migration. <i>Cellular Signalling</i> , 2008 , 20, 2030-7	4.9	26
113	Isoform-specific regulation of adipocyte differentiation by Akt/protein kinase Balpha. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 371, 138-43	3.4	63
112	Lysophosphatidic acid induces cell migration through the selective activation of Akt1. <i>Experimental and Molecular Medicine</i> , 2008 , 40, 445-52	12.8	37
111	Akt and CHIP coregulate tau degradation through coordinated interactions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 3622-7	11.5	170
110	Signal transduction. Sweet conundrum. <i>Science</i> , 2008 , 319, 1348-9	33.3	5
109	Role of PI3K/Akt signaling in TRAIL- and radiation-induced gastrointestinal apoptosis. <i>Cancer Biology and Therapy</i> , 2008 , 7, 2047-53	4.6	21
108	Loss of PIP5KIgamma, unlike other PIP5KI isoforms, impairs the integrity of the membrane cytoskeleton in murine megakaryocytes. <i>Journal of Clinical Investigation</i> , 2008 , 118, 812-9	15.9	55
107	Constitutively active Akt1 expression in mouse pancreas requires S6 kinase 1 for insulinoma formation. <i>Journal of Clinical Investigation</i> , 2008 , 118, 3629-38	15.9	50
106	Akt/PKB regulates hepatic metabolism by directly inhibiting PGC-1alpha transcription coactivator. <i>Nature</i> , 2007 , 447, 1012-6	50.4	370
105	Akt1 and Akt2 are required for alphabeta thymocyte survival and differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 12105-10	11.5	104
104	AKT-dependent HspB1 (Hsp27) activity in epidermal differentiation. <i>Journal of Biological Chemistry</i> , 2007 , 282, 17297-305	5.4	59
103	Leptin activates hypothalamic acetyl-CoA carboxylase to inhibit food intake. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 17358-63	11.5	172
102	The role of AMPK and mTOR in nutrient sensing in pancreatic beta-cells. <i>Journal of Biological Chemistry</i> , 2007 , 282, 10341-51	5.4	139
101	When the usual insulin is just not enough. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 8681-2	11.5	5

100	Inhibition of ceramide synthesis ameliorates glucocorticoid-, saturated-fat-, and obesity-induced insulin resistance. <i>Cell Metabolism</i> , 2007 , 5, 167-79	24.6	899
99	A conserved role for phosphatidylinositol 3-kinase but not Akt signaling in mitochondrial adaptations that accompany physiological cardiac hypertrophy. <i>Cell Metabolism</i> , 2007 , 6, 294-306	24.6	98
98	Loss of Akt1 leads to severe atherosclerosis and occlusive coronary artery disease. <i>Cell Metabolism</i> , 2007 , 6, 446-57	24.6	209
97	PI3K regulates pleckstrin-2 in T-cell cytoskeletal reorganization. <i>Blood</i> , 2007 , 109, 1147-55	2.2	25
96	Regulation of Glucose and Lipid Metabolism by Akt/PKB. <i>FASEB Journal</i> , 2007 , 21, A44	0.9	1
95	Quantitative analysis of anti-apoptotic function of Akt in Akt1 and Akt2 double knock-out mouse embryonic fibroblast cells under normal and stressed conditions. <i>Journal of Biological Chemistry</i> , 2006 , 281, 31380-8	5.4	31
94	Protein kinase B/Akt is a novel cysteine string protein kinase that regulates exocytosis release kinetics and quantal size. <i>Journal of Biological Chemistry</i> , 2006 , 281, 1564-72	5.4	21
93	Opposing roles for Akt1 and Akt2 in Rac/Pak signaling and cell migration. <i>Journal of Biological Chemistry</i> , 2006 , 281, 36443-53	5.4	111
92	Isoform-specific requirement for Akt1 in the developmental regulation of cellular metabolism during lactation. <i>Cell Metabolism</i> , 2006 , 4, 475-90	24.6	74
91	Loss of PIP5K1 α Causes a Defect in Lamellipodia Formation and Shear Resistant Adhesion.. <i>Blood</i> , 2006 , 108, 141-141	2.2	2
90	Quantitative Analysis of Anti-apoptotic Function of Akt in Akt1 and Akt2 Double Knock-out Mouse Embryonic Fibroblast Cells under Normal and Stressed Conditions. <i>Journal of Biological Chemistry</i> , 2006 , 281, 31380-31388	5.4	8
89	AMP-activated protein kinase induces a p53-dependent metabolic checkpoint. <i>Molecular Cell</i> , 2005 , 18, 283-93	17.6	1259
88	Activating AMP-activated protein kinase without AMP. <i>Molecular Cell</i> , 2005 , 19, 289-90	17.6	69
87	SHIPing news: a new way to keep your weight down. <i>Cell Metabolism</i> , 2005 , 1, 90-2	24.6	1
86	Selective inhibition of Ras, phosphoinositide 3 kinase, and Akt isoforms increases the radiosensitivity of human carcinoma cell lines. <i>Cancer Research</i> , 2005 , 65, 7902-10	10.1	155
85	Pim and Akt oncogenes are independent regulators of hematopoietic cell growth and survival. <i>Blood</i> , 2005 , 105, 4477-83	2.2	176
84	Role for Akt3/protein kinase Bgamma in attainment of normal brain size. <i>Molecular and Cellular Biology</i> , 2005 , 25, 1869-78	4.8	463
83	PGC-1alpha gene expression is down-regulated by Akt- mediated phosphorylation and nuclear exclusion of FoxO1 in insulin-stimulated skeletal muscle. <i>FASEB Journal</i> , 2005 , 19, 2072-4	0.9	61

82	Rejoinder: Genetic Research into the Causes of Type 2 Diabetes Mellitus. <i>Anthropology and Medicine</i> , 2005 , 12, 129-34	1.1	2
81	Molecular and genetic studies imply Akt-mediated signaling promotes protein kinase Cbeta11 alternative splicing via phosphorylation of serine/arginine-rich splicing factor SRp40. <i>Journal of Biological Chemistry</i> , 2005 , 280, 14302-9	5.4	101
80	Activation of SOCS-3 by resistin. <i>Molecular and Cellular Biology</i> , 2005 , 25, 1569-75	4.8	218
79	Akt1/protein kinase Balpha is critical for ischemic and VEGF-mediated angiogenesis. <i>Journal of Clinical Investigation</i> , 2005 , 115, 2119-27	15.9	303
78	AMP kinase is not required for the GLUT4 response to exercise and denervation in skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004 , 287, E739-43	6	53
77	The PP2A-associated protein alpha4 is an essential inhibitor of apoptosis. <i>Science</i> , 2004 , 306, 695-8	33.3	133
76	Protein kinase C Theta inhibits insulin signaling by phosphorylating IRS1 at Ser(1101). <i>Journal of Biological Chemistry</i> , 2004 , 279, 45304-7	5.4	242
75	Convergent evidence for impaired AKT1-GSK3beta signaling in schizophrenia. <i>Nature Genetics</i> , 2004 , 36, 131-7	36.3	786
74	AMP-kinase regulates food intake by responding to hormonal and nutrient signals in the hypothalamus. <i>Nature</i> , 2004 , 428, 569-74	50.4	1295
73	Akt2, phosphatidylinositol 3-kinase, and PTEN are in lipid rafts of intestinal cells: role in absorption and differentiation. <i>Gastroenterology</i> , 2004 , 126, 122-35	13.3	67
72	On the InterAktion between hexokinase and the mitochondrion. <i>Developmental Cell</i> , 2004 , 7, 781-2	10.2	24
71	Defects in secretion, aggregation, and thrombus formation in platelets from mice lacking Akt2. <i>Journal of Clinical Investigation</i> , 2004 , 113, 441-450	15.9	177
70	AMP-activated protein kinase mediates ischemic glucose uptake and prevents postischemic cardiac dysfunction, apoptosis, and injury. <i>Journal of Clinical Investigation</i> , 2004 , 114, 495-503	15.9	567
69	Defects in secretion, aggregation, and thrombus formation in platelets from mice lacking Akt2. <i>Journal of Clinical Investigation</i> , 2004 , 113, 441-50	15.9	88
68	Isoform-specific regulation of insulin-dependent glucose uptake by Akt/protein kinase B. <i>Journal of Biological Chemistry</i> , 2003 , 278, 49530-6	5.4	253
67	Lipolysis: more than just a lipase. <i>Journal of Cell Biology</i> , 2003 , 161, 1011-2	7.3	24
66	Platelet-derived growth factor (PDGF) stimulates glucose transport in 3T3-L1 adipocytes overexpressing PDGF receptor by a pathway independent of insulin receptor substrates. <i>Endocrinology</i> , 2003 , 144, 3811-20	4.8	40
65	Assaying tyrosine phosphorylation of insulin receptor and insulin receptor substrates. <i>Methods in Molecular Medicine</i> , 2003 , 83, 119-26		2

64	Physiological role of AMP-activated protein kinase (AMPK): insights from knockout mouse models. <i>Biochemical Society Transactions</i> , 2003 , 31, 216-9	5.1	196
63	Selective suppression of AMP-activated protein kinase in skeletal muscle: update on Razy mice. <i>Biochemical Society Transactions</i> , 2003 , 31, 236-41	5.1	90
62	ADP-ribosylation factor 6 regulates insulin secretion through plasma membrane phosphatidylinositol 4,5-bisphosphate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 13320-5	11.5	85
61	Identification of a proline-rich Akt substrate as a 14-3-3 binding partner. <i>Journal of Biological Chemistry</i> , 2003 , 278, 10189-94	5.4	270
60	Role of AMP-activated protein kinase in cyclic AMP-dependent lipolysis in 3T3-L1 adipocytes. <i>Journal of Biological Chemistry</i> , 2003 , 278, 43074-80	5.4	222
59	The AMP-activated protein kinase alpha2 catalytic subunit controls whole-body insulin sensitivity. <i>Journal of Clinical Investigation</i> , 2003 , 111, 91-8	15.9	396
58	GLUT4, AMP kinase, but not the insulin receptor, are required for hepatoportal glucose sensor-stimulated muscle glucose utilization. <i>Journal of Clinical Investigation</i> , 2003 , 111, 1555-1562	15.9	38
57	GLUT4, AMP kinase, but not the insulin receptor, are required for hepatoportal glucose sensor-stimulated muscle glucose utilization. <i>Journal of Clinical Investigation</i> , 2003 , 111, 1555-62	15.9	21
56	Regulation of angiogenesis by glycogen synthase kinase-3beta. <i>Journal of Biological Chemistry</i> , 2002 , 277, 41888-96	5.4	96
55	Transduction of growth or mitogenic signals into translational activation of TOP mRNAs is fully reliant on the phosphatidylinositol 3-kinase-mediated pathway but requires neither S6K1 nor rpS6 phosphorylation. <i>Molecular and Cellular Biology</i> , 2002 , 22, 8101-13	4.8	198
54	AMP kinase is required for mitochondrial biogenesis in skeletal muscle in response to chronic energy deprivation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 15983-7	11.5	810
53	Akt1 regulates a JNK scaffold during excitotoxic apoptosis. <i>Neuron</i> , 2002 , 35, 697-709	13.9	177
52	RhoGAP: the next big thing for small mice?. <i>Developmental Cell</i> , 2002 , 2, 521-3	10.2	4
51	Role of Akt/protein kinase B in metabolism. <i>Trends in Endocrinology and Metabolism</i> , 2002 , 13, 444-51	8.8	543
50	The translational inhibitor 4E-BP is an effector of PI(3)K/Akt signalling and cell growth in <i>Drosophila</i> . <i>Nature Cell Biology</i> , 2001 , 3, 596-601	23.4	176
49	ADP-ribosylation factor 6 delineates separate pathways used by endothelin 1 and insulin for stimulating glucose uptake in 3T3-L1 adipocytes. <i>Molecular and Cellular Biology</i> , 2001 , 21, 5276-85	4.8	40
48	Akt1/PKBalpha is required for normal growth but dispensable for maintenance of glucose homeostasis in mice. <i>Journal of Biological Chemistry</i> , 2001 , 276, 38349-52	5.4	754
47	Insulin resistance and a diabetes mellitus-like syndrome in mice lacking the protein kinase Akt2 (PKB beta). <i>Science</i> , 2001 , 292, 1728-31	33.3	1513

46	The regulation of AMP-activated protein kinase by H ₂ O ₂ . <i>Biochemical and Biophysical Research Communications</i> , 2001 , 287, 92-7	3.4	249
45	Neuregulin signaling through a PI3K/Akt/Bad pathway in Schwann cell survival. <i>Molecular and Cellular Neurosciences</i> , 2001 , 17, 761-7	4.8	105
44	Regulation of pancreatic beta-cell growth and survival by the serine/threonine protein kinase Akt1/PKBalpha. <i>Nature Medicine</i> , 2001 , 7, 1133-7	50.5	422
43	A role for AMP-activated protein kinase in contraction- and hypoxia-regulated glucose transport in skeletal muscle. <i>Molecular Cell</i> , 2001 , 7, 1085-94	17.6	783
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