

Gregory R Steinberg

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.

198
papers

16,199
citations

67
h-index

124
g-index

212
ext. papers

19,224
ext. citations

9.1
avg, IF

6.86
L-index

#	Paper	IF	Citations
198	Lipogenesis inhibitors: therapeutic opportunities and challenges.. <i>Nature Reviews Drug Discovery</i> , 2022 ,	64.1	10
197	Caffeine blocks SREBP2-induced hepatic PCSK9 expression to enhance LDLR-mediated cholesterol clearance.. <i>Nature Communications</i> , 2022 , 13, 770	17.4	5
196	Adipocyte G signaling is a regulator of glucose and lipid homeostasis in mice.. <i>Nature Communications</i> , 2022 , 13, 1652	17.4	1
195	Natural (dihydro)phenanthrene plant compounds are direct activators of AMPK through its allosteric drug and metabolite binding site.. <i>Journal of Biological Chemistry</i> , 2022 , 101852	5.4	1
194	Metformin-induced reductions in tumor growth involves modulation of the gut microbiome.. <i>Molecular Metabolism</i> , 2022 , 101498	8.8	0
193	AMPK activation by SC4 inhibits noradrenaline-induced lipolysis and insulin-stimulated lipogenesis in white adipose tissue. <i>Biochemical Journal</i> , 2021 , 478, 3869-3889	3.8	0
192	Disruption of autophagy by increased 5-HT alters gut microbiota and enhances susceptibility to experimental colitis and Crohn's disease. <i>Science Advances</i> , 2021 , 7, eabi6442	14.3	3
191	Manufacturing T cells in hollow fiber membrane bioreactors changes their programming and enhances their potency. <i>Oncotmunology</i> , 2021 , 10, 1995168	7.2	0
190	Metabolic remodeling of dystrophic skeletal muscle reveals biological roles for dystrophin and utrophin in adaptation and plasticity. <i>Molecular Metabolism</i> , 2021 , 45, 101157	8.8	8
189	Salicylates Ameliorate Intestinal Inflammation by Activating Macrophage AMPK. <i>Inflammatory Bowel Diseases</i> , 2021 , 27, 914-926	4.5	3
188	AMPK mediates energetic stress-induced liver GDF15. <i>FASEB Journal</i> , 2021 , 35, e21218	0.9	6
187	Sevoflurane-induced hyperglycemia is attenuated by salsalate in obese insulin-resistant mice. <i>Canadian Journal of Anaesthesia</i> , 2021 , 68, 972-979	3	
186	The pesticide chlorpyrifos promotes obesity by inhibiting diet-induced thermogenesis in brown adipose tissue. <i>Nature Communications</i> , 2021 , 12, 5163	17.4	4
185	GDF15: emerging biology and therapeutic applications for obesity and cardiometabolic disease. <i>Nature Reviews Endocrinology</i> , 2021 , 17, 592-607	15.2	24
184	Compound- and fiber type-selective requirement of AMPK β for insulin-independent glucose uptake in skeletal muscle. <i>Molecular Metabolism</i> , 2021 , 51, 101228	8.8	6
183	Lower brown adipose tissue activity is associated with non-alcoholic fatty liver disease but not changes in the gut microbiota. <i>Cell Reports Medicine</i> , 2021 , 2, 100397	18	6
182	Direct AMPK Activation Corrects NASH in Rodents Through Metabolic Effects and Direct Action on Inflammation and Fibrogenesis. <i>Hepatology Communications</i> , 2021 ,	6	10

181	Mitochondria-localized AMPK responds to local energetics and contributes to exercise and energetic stress-induced mitophagy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	12
180	Combined metformin-salicylate treatment provides improved anti-tumor activity and enhanced radiotherapy response in prostate cancer; drug synergy at clinically relevant doses. <i>Translational Oncology</i> , 2021 , 14, 101209	4.9	1
179	Salsalate reduces atherosclerosis through AMPK β in mice. <i>Molecular Metabolism</i> , 2021 , 53, 101321	8.8	1
178	Targeting AMP-activated protein kinase (AMPK) for treatment of autosomal dominant polycystic kidney disease. <i>Cellular Signalling</i> , 2020 , 73, 109704	4.9	5
177	Energy-stress-mediated AMPK activation inhibits ferroptosis. <i>Nature Cell Biology</i> , 2020 , 22, 225-234	23.4	195
176	Genetic deletion of mast cell serotonin synthesis prevents the development of obesity and insulin resistance. <i>Nature Communications</i> , 2020 , 11, 463	17.4	17
175	The citrus flavonoid nobiletin confers protection from metabolic dysregulation in high-fat-fed mice independent of AMPK. <i>Journal of Lipid Research</i> , 2020 , 61, 387-402	6.3	20
174	Effects of PKB/Akt inhibitors on insulin-stimulated lipogenesis and phosphorylation state of lipogenic enzymes in white adipose tissue. <i>Biochemical Journal</i> , 2020 , 477, 1373-1389	3.8	3
173	The SGLT2 inhibitor canagliflozin suppresses lipid synthesis and interleukin-1 beta in ApoE deficient mice. <i>Biochemical Journal</i> , 2020 , 477, 2347-2361	3.8	10
172	Impact of pesticide exposure on adipose tissue development and function. <i>Biochemical Journal</i> , 2020 , 477, 2639-2653	3.8	6
171	Bacteria transmit metformin-associated lifespan extension. <i>Nature Reviews Endocrinology</i> , 2020 , 16, 9-10	5.2	4
170	Long-chain fatty acyl-CoA esters regulate metabolism via allosteric control of AMPK β isoforms. <i>Nature Metabolism</i> , 2020 , 2, 873-881	14.6	34
169	SMOC1 is a glucose-responsive hepatokine and therapeutic target for glycemic control. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	12
168	The mega-importance of de novo lipogenesis in platelet production. <i>Nature Metabolism</i> , 2020 , 2, 999-1000	10.6	1
167	Salsalate, but not metformin or canagliflozin, slows kidney cyst growth in an adult-onset mouse model of polycystic kidney disease. <i>EBioMedicine</i> , 2019 , 47, 436-445	8.8	25
166	The gut microbiome regulates host glucose homeostasis via peripheral serotonin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 19802-19804	11.5	49
165	Emerging Roles for Serotonin in Regulating Metabolism: New Implications for an Ancient Molecule. <i>Endocrine Reviews</i> , 2019 , 40, 1092-1107	27.2	99
164	AMP-activated protein kinase: the current landscape for drug development. <i>Nature Reviews Drug Discovery</i> , 2019 , 18, 527-551	64.1	210

163	Obesity and muscle-macrophage crosstalk in humans and mice: A systematic review. <i>Obesity Reviews</i> , 2019 , 20, 1572-1596	10.6	4
162	The caveolin-1 regulated protein follistatin protects against diabetic kidney disease. <i>Kidney International</i> , 2019 , 96, 1134-1149	9.9	9
161	Two isoprenylated flavonoids from <i>Dorstenia psilurus</i> activate AMPK, stimulate glucose uptake, inhibit glucose production and lower glycemia. <i>Biochemical Journal</i> , 2019 , 476, 3687-3704	3.8	5
160	MRI Reveals Human Brown Adipose Tissue Is Rapidly Activated in Response to Cold. <i>Journal of the Endocrine Society</i> , 2019 , 3, 2374-2384	0.4	16
159	Metformin-induced increases in GDF15 are important for suppressing appetite and promoting weight loss. <i>Nature Metabolism</i> , 2019 , 1, 1202-1208	14.6	80
158	Inhibition of Acetyl-CoA Carboxylase by Phosphorylation or the Inhibitor ND-654 Suppresses Lipogenesis and Hepatocellular Carcinoma. <i>Cell Metabolism</i> , 2019 , 29, 174-182.e5	24.6	127
157	Salicylate enhances the response of prostate cancer to radiotherapy. <i>Prostate</i> , 2019 , 79, 489-497	4.2	9
156	Inhibition of Adenosine Monophosphate-Activated Protein Kinase-3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Signaling Leads to Hypercholesterolemia and Promotes Hepatic Steatosis and Insulin Resistance. <i>Hepatology Communications</i> , 2019 , 3, 84-98	6	32
155	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
154	Association of Metformin with Breast Cancer Incidence and Mortality in Patients with Type II Diabetes: A GRADE-Assessed Systematic Review and Meta-analysis. <i>Cancer Epidemiology Biomarkers and Prevention</i> , 2018 , 27, 627-635	4	58
153	Cellular Energy Sensing and Metabolism-Implications for Treating Diabetes: The 2017 Outstanding Scientific Achievement Award Lecture. <i>Diabetes</i> , 2018 , 67, 169-179	0.9	18
152	Failed Recovery of Glycemic Control and Myofibrillar Protein Synthesis With 2 wk of Physical Inactivity in Overweight, Prediabetic Older Adults. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2018 , 73, 1070-1077	6.4	56
151	Metformin inhibits gluconeogenesis via a redox-dependent mechanism in vivo. <i>Nature Medicine</i> , 2018 , 24, 1384-1394	50.5	118
150	AMPK-ACC signaling modulates platelet phospholipids and potentiates thrombus formation. <i>Blood</i> , 2018 , 132, 1180-1192	2.2	29
149	The role of AMP-activated protein kinase in the expression of the dystrophin-associated protein complex in skeletal muscle. <i>FASEB Journal</i> , 2018 , 32, 2950-2965	0.9	9
148	Emerging Role of AMPK in Brown and Beige Adipose Tissue (BAT): Implications for Obesity, Insulin Resistance, and Type 2 Diabetes. <i>Current Diabetes Reports</i> , 2018 , 18, 80	5.6	72
147	AMPK activation in the treatment of liver disease. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018 , WCP2018, SY83-3	0	
146	Recent advances in the detection of brown adipose tissue in adult humans: a review. <i>Clinical Science</i> , 2018 , 132, 1039-1054	6.5	41

145	The AMPK agonist 5-aminoimidazole-4-carboxamide ribonucleotide (AICAR), but not metformin, prevents inflammation-associated cachectic muscle wasting. <i>EMBO Molecular Medicine</i> , 2018 , 10,	12	36
144	AMPK signaling to acetyl-CoA carboxylase is required for fasting- and cold-induced appetite but not thermogenesis. <i>ELife</i> , 2018 , 7,	8.9	34
143	Sexual dimorphism in the glucose homeostasis phenotype of the Aromatase Knockout (ArKO) mice. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2017 , 170, 39-48	5.1	13
142	Scriptaid enhances skeletal muscle insulin action and cardiac function in obese mice. <i>Diabetes, Obesity and Metabolism</i> , 2017 , 19, 936-943	6.7	13
141	Rac1 and AMPK Account for the Majority of Muscle Glucose Uptake Stimulated by Ex Vivo Contraction but Not In Vivo Exercise. <i>Diabetes</i> , 2017 , 66, 1548-1559	0.9	37
140	Muramyl Dipeptide-Based Postbiotics Mitigate Obesity-Induced Insulin Resistance via IRF4. <i>Cell Metabolism</i> , 2017 , 25, 1063-1074.e3	24.6	97
139	FGF21 does not require adipocyte AMP-activated protein kinase (AMPK) or the phosphorylation of acetyl-CoA carboxylase (ACC) to mediate improvements in whole-body glucose homeostasis. <i>Molecular Metabolism</i> , 2017 , 6, 471-481	8.8	29
138	AMPK β reduces tumor progression and improves survival in p53 null mice. <i>Molecular Oncology</i> , 2017 , 11, 1143-1155	7.9	18
137	AMPK as a Therapeutic Target for Treating Metabolic Diseases. <i>Trends in Endocrinology and Metabolism</i> , 2017 , 28, 545-560	8.8	282
136	AMP-activated protein kinase, fatty acid metabolism, and insulin sensitivity. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2017 , 20, 248-253	3.8	36
135	Controlling skeletal muscle CPT-I malonyl-CoA sensitivity: the importance of AMPK-independent regulation of intermediate filaments during exercise. <i>Biochemical Journal</i> , 2017 , 474, 557-569	3.8	11
134	Growth Differentiation Factor 15 as a Novel Biomarker for Metformin. <i>Diabetes Care</i> , 2017 , 40, 280-283	14.6	60
133	Targeting ATP-Citrate Lyase in Hyperlipidemia and Metabolic Disorders. <i>Trends in Molecular Medicine</i> , 2017 , 23, 1047-1063	11.5	41
132	The autophagy initiator ULK1 sensitizes AMPK to allosteric drugs. <i>Nature Communications</i> , 2017 , 8, 571	17.4	45
131	Ablating the protein TBC1D1 impairs contraction-induced sarcolemmal glucose transporter 4 redistribution but not insulin-mediated responses in rats. <i>Journal of Biological Chemistry</i> , 2017 , 292, 16653-16664	5.4	34
130	Are SIRT1 activators another indirect method to increase AMPK for beneficial effects on aging and the metabolic syndrome?. <i>EBioMedicine</i> , 2017 , 19, 16-17	8.8	7
129	A short term high-fat high-sucrose diet in mice impairs optic nerve recovery after injury and this is not reversed by exercise. <i>Experimental Eye Research</i> , 2017 , 162, 104-109	3.7	8
128	Maternal obesity alters fatty acid oxidation, AMPK activity, and associated DNA methylation in mesenchymal stem cells from human infants. <i>Molecular Metabolism</i> , 2017 , 6, 1503-1516	8.8	38

127	Optimizing the methodology for measuring supraclavicular skin temperature using infrared thermography; implications for measuring brown adipose tissue activity in humans. <i>Scientific Reports</i> , 2017 , 7, 11934	4.9	15
126	Metformin-induced ablation of microRNA 21-5p releases Sestrin-1 and CAB39L antitumoral activities. <i>Cell Discovery</i> , 2017 , 3, 17022	22.3	44
125	Targeting metabolism and AMP-activated kinase with metformin to sensitize non-small cell lung cancer (NSCLC) to cytotoxic therapy: translational biology and rationale for current clinical trials. <i>Oncotarget</i> , 2017 , 8, 57733-57754	3.3	34
124	High Intensity Interval Training Increases Natural Killer Cell Number and Function in Obese Breast Cancer-challenged Mice and Obese Women. <i>Journal of Cancer Prevention</i> , 2017 , 22, 260-266	3	17
123	Characterization of Proliferating Lesion-Resident Cells During All Stages of Atherosclerotic Growth. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	22
122	An AMP-activated protein kinase-stabilizing peptide ameliorates adipose tissue wasting in cancer cachexia in mice. <i>Nature Medicine</i> , 2016 , 22, 1120-1130	50.5	63
121	Salsalate (Salicylate) Uncouples Mitochondria, Improves Glucose Homeostasis, and Reduces Liver Lipids Independent of AMPK- β . <i>Diabetes</i> , 2016 , 65, 3352-3361	0.9	41
120	Exercise reverses age-related vulnerability of the retina to injury by preventing complement-mediated synapse elimination via a BDNF-dependent pathway. <i>Aging Cell</i> , 2016 , 15, 1082-1091	10.9	39
119	Treatment of nonalcoholic fatty liver disease: role of AMPK. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 311, E730-E740	6	243
118	High-intensity exercise training increases the diversity and metabolic capacity of the mouse distal gut microbiota during diet-induced obesity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 310, E982-93	6	130
117	Lack of Adipocyte AMPK Exacerbates Insulin Resistance and Hepatic Steatosis through Brown and Beige Adipose Tissue Function. <i>Cell Metabolism</i> , 2016 , 24, 118-29	24.6	182
116	The Na ⁺ /Glucose Cotransporter Inhibitor Canagliflozin Activates AMPK by Inhibiting Mitochondrial Function and Increasing Cellular AMP Levels. <i>Diabetes</i> , 2016 , 65, 2784-94	0.9	190
115	Liver-specific ATP-citrate lyase inhibition by bempedoic acid decreases LDL-C and attenuates atherosclerosis. <i>Nature Communications</i> , 2016 , 7, 13457	17.4	161
114	The diabetes medication Canagliflozin reduces cancer cell proliferation by inhibiting mitochondrial complex-I supported respiration. <i>Molecular Metabolism</i> , 2016 , 5, 1048-1056	8.8	78
113	Salicylate improves macrophage cholesterol homeostasis via activation of Ampk. <i>Journal of Lipid Research</i> , 2015 , 56, 1025-33	6.3	41
112	Inhibition of AMP-Activated Protein Kinase at the Allosteric Drug-Binding Site Promotes Islet Insulin Release. <i>Chemistry and Biology</i> , 2015 , 22, 705-11		45
111	Skeletal muscle AMPK is essential for the maintenance of FNDC5 expression. <i>Physiological Reports</i> , 2015 , 3, e12343	2.6	8
110	Salicylate activates AMPK and synergizes with metformin to reduce the survival of prostate and lung cancer cells ex vivo through inhibition of de novo lipogenesis. <i>Biochemical Journal</i> , 2015 , 469, 177-87	37.8	63

109	Leukemia inhibitory factor increases glucose uptake in mouse skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 309, E142-53	6	22
108	Metformin and salicylate synergistically activate liver AMPK, inhibit lipogenesis and improve insulin sensitivity. <i>Biochemical Journal</i> , 2015 , 468, 125-32	3.8	103
107	Duodenal energy sensing regulates hepatic glucose output. <i>Nature Medicine</i> , 2015 , 21, 428-9	50.5	2
106	Motif affinity and mass spectrometry proteomic approach for the discovery of cellular AMPK targets: identification of mitochondrial fission factor as a new AMPK substrate. <i>Cellular Signalling</i> , 2015 , 27, 978-88	4.9	109
105	The AMPK activator R419 improves exercise capacity and skeletal muscle insulin sensitivity in obese mice. <i>Molecular Metabolism</i> , 2015 , 4, 643-51	8.8	24
104	Inhibiting peripheral serotonin synthesis reduces obesity and metabolic dysfunction by promoting brown adipose tissue thermogenesis. <i>Nature Medicine</i> , 2015 , 21, 166-72	50.5	288
103	Skeletal muscle ACC2 S212 phosphorylation is not required for the control of fatty acid oxidation during exercise. <i>Physiological Reports</i> , 2015 , 3, e12444	2.6	12
102	Defective NOD2 peptidoglycan sensing promotes diet-induced inflammation, dysbiosis, and insulin resistance. <i>EMBO Molecular Medicine</i> , 2015 , 7, 259-74	12	118
101	Effects of Estrogens on Adipokines and Glucose Homeostasis in Female Aromatase Knockout Mice. <i>PLoS ONE</i> , 2015 , 10, e0136143	3.7	20
100	MicroRNA-33-dependent regulation of macrophage metabolism directs immune cell polarization in atherosclerosis. <i>Journal of Clinical Investigation</i> , 2015 , 125, 4334-48	15.9	241
99	AMPK deficiency in cardiac muscle results in dilated cardiomyopathy in the absence of changes in energy metabolism. <i>Cardiovascular Research</i> , 2015 , 107, 235-45	9.9	47
98	AMPK activation of muscle autophagy prevents fasting-induced hypoglycemia and myopathy during aging. <i>Cell Metabolism</i> , 2015 , 21, 883-90	24.6	141
97	Exercise-stimulated interleukin-15 is controlled by AMPK and regulates skin metabolism and aging. <i>Aging Cell</i> , 2015 , 14, 625-34	9.9	75
96	High intensity interval training improves liver and adipose tissue insulin sensitivity. <i>Molecular Metabolism</i> , 2015 , 4, 903-15	8.8	65
95	Early oxidative shifts in mouse skeletal muscle morphology with high-fat diet consumption do not lead to functional improvements. <i>Physiological Reports</i> , 2014 , 2, e12149	2.6	16
94	Enhanced activation of cellular AMPK by dual-small molecule treatment: AICAR and A769662. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 306, E688-96	6	62
93	Muscle-specific AMPK $\alpha 2$ -null mice display a myopathy due to loss of capillary density in nonpostural muscles. <i>FASEB Journal</i> , 2014 , 28, 2098-107	0.9	23
92	Fluvastatin causes NLRP3 inflammasome-mediated adipose insulin resistance. <i>Diabetes</i> , 2014 , 63, 3742-7.9		86

91	AMPK promotes macrophage fatty acid oxidative metabolism to mitigate inflammation: implications for diabetes and cardiovascular disease. <i>Immunology and Cell Biology</i> , 2014 , 92, 340-5	5	83
90	Suppressor of cytokine signalling (SOCS) proteins as guardians of inflammatory responses critical for regulating insulin sensitivity. <i>Biochemical Journal</i> , 2014 , 461, 177-88	3.8	62
89	Mechanism of action of compound-13: an α -selective small molecule activator of AMPK. <i>Chemistry and Biology</i> , 2014 , 21, 866-79		87
88	Evidence for the role of AMPK in regulating PGC-1 alpha expression and mitochondrial proteins in mouse epididymal adipose tissue. <i>Obesity</i> , 2014 , 22, 730-8	8	104
87	AMPK phosphorylation of ACC2 is required for skeletal muscle fatty acid oxidation and insulin sensitivity in mice. <i>Diabetologia</i> , 2014 , 57, 1693-702	10.3	88
86	AMPK-dependent inhibitory phosphorylation of ACC is not essential for maintaining myocardial fatty acid oxidation. <i>Circulation Research</i> , 2014 , 115, 518-24	15.7	33
85	The role of AMPK in controlling metabolism and mitochondrial biogenesis during exercise. <i>Experimental Physiology</i> , 2014 , 99, 1581-5	2.4	54
84	A standardized infrared imaging technique that specifically detects UCP1-mediated thermogenesis in vivo. <i>Molecular Metabolism</i> , 2014 , 3, 490-4	8.8	69
83	Hepatic glucose intolerance precedes hepatic steatosis in the male aromatase knockout (ArKO) mouse. <i>PLoS ONE</i> , 2014 , 9, e87230	3.7	19
82	Reduced skeletal muscle AMPK and mitochondrial markers do not promote age-induced insulin resistance. <i>Journal of Applied Physiology</i> , 2014 , 117, 171-9	3.7	8
81	AMP-activated protein kinase (AMPK) beyond metabolism: a novel genomic stress sensor participating in the DNA damage response pathway. <i>Cancer Biology and Therapy</i> , 2014 , 15, 156-69	4.6	142
80	Endurance interval training in obese mice reduces muscle inflammation and macrophage content independently of weight loss. <i>Physiological Reports</i> , 2014 , 2, e12012	2.6	28
79	Compensatory regulation of HDAC5 in muscle maintains metabolic adaptive responses and metabolism in response to energetic stress. <i>FASEB Journal</i> , 2014 , 28, 3384-95	0.9	36
78	PPAR α activation attenuates hepatic steatosis in Ldlr $^{-/-}$ mice by enhanced fat oxidation, reduced lipogenesis, and improved insulin sensitivity. <i>Journal of Lipid Research</i> , 2014 , 55, 1254-66	6.3	49
77	Small molecule drug A-769662 and AMP synergistically activate naive AMPK independent of upstream kinase signaling. <i>Chemistry and Biology</i> , 2014 , 21, 619-27		112
76	Interleukin-15 modulates adipose tissue by altering mitochondrial mass and activity. <i>PLoS ONE</i> , 2014 , 9, e114799	3.7	26
75	Leukemia inhibitory factor stimulates muscle glucose uptake by a PI3-kinase dependent pathway that is maintained in white muscle in obesity (1162.4). <i>FASEB Journal</i> , 2014 , 28, 1162.4	0.9	
74	Immunometabolism of AMPK in insulin resistance and atherosclerosis. <i>Molecular and Cellular Endocrinology</i> , 2013 , 366, 224-34	4.4	52

73	Endurance training modulates intramyocellular lipid compartmentalization and morphology in skeletal muscle of lean and obese women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, 4852-62	5.6	55
72	Diacylglycerol kinase delta promotes lipogenesis. <i>Biochemistry</i> , 2013 , 52, 7766-76	3.2	16
71	Single phosphorylation sites in Acc1 and Acc2 regulate lipid homeostasis and the insulin-sensitizing effects of metformin. <i>Nature Medicine</i> , 2013 , 19, 1649-54	50.5	503
70	Deletion of skeletal muscle SOCS3 prevents insulin resistance in obesity. <i>Diabetes</i> , 2013 , 62, 56-64	0.9	106
69	AMPK: mediating the metabolic effects of salicylate-based drugs?. <i>Trends in Endocrinology and Metabolism</i> , 2013 , 24, 481-7	8.8	58
68	AMPK regulation of fatty acid metabolism and mitochondrial biogenesis: implications for obesity. <i>Molecular and Cellular Endocrinology</i> , 2013 , 366, 135-51	4.4	242
67	IL-6 is not essential for exercise-induced increases in glucose uptake. <i>Journal of Applied Physiology</i> , 2013 , 114, 1151-7	3.7	13
66	PIKfyve: a new fish in the growing pool of AMPK substrates. <i>Biochemical Journal</i> , 2013 , 455, e1-3	3.8	0
65	Loss of TDAG51 results in mature-onset obesity, hepatic steatosis, and insulin resistance by regulating lipogenesis. <i>Diabetes</i> , 2013 , 62, 158-69	0.9	24
64	Enhanced lipid oxidation and maintenance of muscle insulin sensitivity despite glucose intolerance in a diet-induced obesity mouse model. <i>PLoS ONE</i> , 2013 , 8, e71747	3.7	29
63	Elevated mitochondrial oxidative stress impairs metabolic adaptations to exercise in skeletal muscle. <i>PLoS ONE</i> , 2013 , 8, e81879	3.7	18
62	Markers of skeletal muscle mitochondrial function and lipid accumulation are moderately associated with the homeostasis model assessment index of insulin resistance in obese men. <i>PLoS ONE</i> , 2013 , 8, e66322	3.7	34
61	Reduced Socs3 expression in adipose tissue protects female mice against obesity-induced insulin resistance. <i>Diabetologia</i> , 2012 , 55, 3083-93	10.3	39
60	The ancient drug salicylate directly activates AMP-activated protein kinase. <i>Science</i> , 2012 , 336, 918-22	33.3	539
59	Chronic modulation of AMP-Kinase, Akt and mTOR pathways by ionizing radiation in human lung cancer xenografts. <i>Radiation Oncology</i> , 2012 , 7, 71	4.2	8
58	The long and winding TRAIL to weight loss. <i>Clinical Science</i> , 2012 , 123, 545-6	6.5	1
57	Impact of SOCS3 overexpression on human skeletal muscle development in vitro. <i>Cytokine</i> , 2011 , 55, 104-9	4	13
56	Contraction-induced skeletal muscle FAT/CD36 trafficking and FA uptake is AMPK independent. <i>Journal of Lipid Research</i> , 2011 , 52, 699-711	6.3	59

55	Deficiency in interferon-gamma results in reduced body weight and better glucose tolerance in mice. <i>Endocrinology</i> , 2011 , 152, 3690-9	4.8	48
54	NOD1 activators link innate immunity to insulin resistance. <i>Diabetes</i> , 2011 , 60, 2206-15	0.9	176
53	Macrophage deletion of SOCS1 increases sensitivity to LPS and palmitic acid and results in systemic inflammation and hepatic insulin resistance. <i>Diabetes</i> , 2011 , 60, 2023-31	0.9	63
52	AMP-activated protein kinase (AMPK) beta1beta2 muscle null mice reveal an essential role for AMPK in maintaining mitochondrial content and glucose uptake during exercise. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 16092-7	11.5	313
51	Hematopoietic AMPK β reduces mouse adipose tissue macrophage inflammation and insulin resistance in obesity. <i>Journal of Clinical Investigation</i> , 2011 , 121, 4903-15	15.9	238
50	AMPK beta1 deletion reduces appetite, preventing obesity and hepatic insulin resistance. <i>Journal of Biological Chemistry</i> , 2010 , 285, 115-22	5.4	132
49	SIRT1 takes a backseat to AMPK in the regulation of insulin sensitivity by resveratrol. <i>Diabetes</i> , 2010 , 59, 551-3	0.9	63
48	Skeletal muscle glucose uptake during contraction is regulated by nitric oxide and ROS independently of AMPK. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010 , 298, E577-85	6	100
47	Whole body deletion of AMP-activated protein kinase {beta}2 reduces muscle AMPK activity and exercise capacity. <i>Journal of Biological Chemistry</i> , 2010 , 285, 37198-209	5.4	129
46	Adipose tissue as an endocrine organ. <i>Molecular and Cellular Endocrinology</i> , 2010 , 316, 129-39	4.4	1139
45	Liver-specific suppressor of cytokine signaling-3 deletion in mice enhances hepatic insulin sensitivity and lipogenesis resulting in fatty liver and obesity. <i>Hepatology</i> , 2010 , 52, 1632-42	11.2	77
44	Cytokine Regulation of AMPK signalling. <i>Frontiers in Bioscience - Landmark</i> , 2009 , 14, 1902-16	2.8	38
43	High-density lipoprotein modulates glucose metabolism in patients with type 2 diabetes mellitus. <i>Circulation</i> , 2009 , 119, 2103-11	16.7	281
42	Oligomeric resistin impairs insulin and AICAR-stimulated glucose uptake in mouse skeletal muscle by inhibiting GLUT4 translocation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009 , 297, E57-66	6	26
41	Low salt concentrations activate AMP-activated protein kinase in mouse macula densa cells. <i>American Journal of Physiology - Renal Physiology</i> , 2009 , 296, F801-9	4.3	13
40	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
39	Subcellular localization of cyclic AMP-responsive element binding protein-regulated transcription coactivator 2 provides a link between obesity and breast cancer in postmenopausal women. <i>Cancer Research</i> , 2009 , 69, 5392-9	10.1	93
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