

Gregory R Steinberg

List of Publications by Year in descending order

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207
papers

21,888
citations

10650

74
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11282

141
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212
docs citations

212
times ranked

28972
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct AMPK Activation Corrects NASH in Rodents Through Metabolic Effects and Direct Action on Inflammation and Fibrogenesis. <i>Hepatology Communications</i> , 2022, 6, 101-119.	2.0	35
2	Lipogenesis inhibitors: therapeutic opportunities and challenges. <i>Nature Reviews Drug Discovery</i> , 2022, 21, 283-305.	21.5	124
3	Caffeine blocks SREBP2-induced hepatic PCSK9 expression to enhance LDLR-mediated cholesterol clearance. <i>Nature Communications</i> , 2022, 13, 770.	5.8	47
4	Impaired Cold-Stimulated Supraclavicular Brown Adipose Tissue Activity in Young Boys With Obesity. <i>Diabetes</i> , 2022, 71, 1193-1204.	0.3	4
5	Adipocyte Gq signaling is a regulator of glucose and lipid homeostasis in mice. <i>Nature Communications</i> , 2022, 13, 1652.	5.8	13
6	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, 298, 101852.	1.6	6
7	Metformin-induced reductions in tumor growth involves modulation of the gut microbiome. <i>Molecular Metabolism</i> , 2022, 61, 101498.	3.0	21
8	ACLY and CKD: A Mendelian Randomization Analysis. <i>Kidney International Reports</i> , 2022, 7, 1673-1681.	0.4	1
9	Increased gut serotonin production in response to bisphenol A structural analogs may contribute to their obesogenic effects. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2022, 323, E80-E091.	1.8	4
10	Inhibition of basal and glucagon-induced hepatic glucose production by 991 and other pharmacological AMPK activators. <i>Biochemical Journal</i> , 2022, 479, 1317-1336.	1.7	2
11	Inhibition of ATP-citrate lyase improves NASH, liver fibrosis, and dyslipidemia. <i>Cell Metabolism</i> , 2022, 34, 919-936.e8.	7.2	55
12	Salicylates Ameliorate Intestinal Inflammation by Activating Macrophage AMPK. <i>Inflammatory Bowel Diseases</i> , 2021, 27, 914-926.	0.9	32
13	AMPK mediates energetic stress-induced liver GDF15. <i>FASEB Journal</i> , 2021, 35, e21218.	0.2	25
14	Sevoflurane-induced hyperglycemia is attenuated by salsalate in obese insulin-resistant mice. <i>Canadian Journal of Anaesthesia</i> , 2021, 68, 972-979.	0.7	0
15	Metabolic remodeling of dystrophic skeletal muscle reveals biological roles for dystrophin and utrophin in adaptation and plasticity. <i>Molecular Metabolism</i> , 2021, 45, 101157.	3.0	22
16	The pesticide chlorpyrifos promotes obesity by inhibiting diet-induced thermogenesis in brown adipose tissue. <i>Nature Communications</i> , 2021, 12, 5163.	5.8	47
17	GDF15: emerging biology and therapeutic applications for obesity and cardiometabolic disease. <i>Nature Reviews Endocrinology</i> , 2021, 17, 592-607.	4.3	162
18	Compound- and fiber type-selective requirement of AMPK ³³ for insulin-independent glucose uptake in skeletal muscle. <i>Molecular Metabolism</i> , 2021, 51, 101228.	3.0	14

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19	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.	3.3	35
20	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, .	3.3	75
21	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.	1.7	7
22	Salsalate reduces atherosclerosis through AMPK ¹ in mice. <i>Molecular Metabolism</i> , 2021, 53, 101321.	3.0	8
23	AMPK activation by SC4 inhibits noradrenaline-induced lipolysis and insulin-stimulated lipogenesis in white adipose tissue. <i>Biochemical Journal</i> , 2021, 478, 3869-3889.	1.7	4
24	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.	4.7	25
25	Manufacturing T cells in hollow fiber membrane bioreactors changes their programming and enhances their potency. <i>Oncolmmunology</i> , 2021, 10, 1995168.	2.1	2
26	Bacteria transmit metformin-associated lifespan extension. <i>Nature Reviews Endocrinology</i> , 2020, 16, 9-10.	4.3	6
27	Long-chain fatty acyl-CoA esters regulate metabolism via allosteric control of AMPK ¹ isoforms. <i>Nature Metabolism</i> , 2020, 2, 873-881.	5.1	76
28	SMOC1 is a glucose-responsive hepatokine and therapeutic target for glycemic control. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	29
29	The mega-importance of de novo lipogenesis in platelet production. <i>Nature Metabolism</i> , 2020, 2, 999-1000.	5.1	2
30	Targeting AMP-activated protein kinase (AMPK) for treatment of autosomal dominant polycystic kidney disease. <i>Cellular Signalling</i> , 2020, 73, 109704.	1.7	19
31	Energy-stress-mediated AMPK activation inhibits ferroptosis. <i>Nature Cell Biology</i> , 2020, 22, 225-234.	4.6	561
32	Genetic deletion of mast cell serotonin synthesis prevents the development of obesity and insulin resistance. <i>Nature Communications</i> , 2020, 11, 463.	5.8	35
33	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.	2.0	39
34	The SGLT2 inhibitor canagliflozin suppresses lipid synthesis and interleukin-1 beta in ApoE deficient mice. <i>Biochemical Journal</i> , 2020, 477, 2347-2361.	1.7	26
35	Impact of pesticide exposure on adipose tissue development and function. <i>Biochemical Journal</i> , 2020, 477, 2639-2653.	1.7	22
36	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.	1.7	5

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37	Obesity and muscle-macrophage crosstalk in humans and mice: A systematic review. <i>Obesity Reviews</i> , 2019, 20, 1572-1596.	3.1	7
38	The caveolin-1 regulated protein follistatin protects against diabetic kidney disease. <i>Kidney International</i> , 2019, 96, 1134-1149.	2.6	17
39	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.	2.7	50
40	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.	3.3	84
41	Emerging Roles for Serotonin in Regulating Metabolism: New Implications for an Ancient Molecule. <i>Endocrine Reviews</i> , 2019, 40, 1092-1107.	8.9	213
42	AMP-activated protein kinase: the current landscape for drug development. <i>Nature Reviews Drug Discovery</i> , 2019, 18, 527-551.	21.5	425
43	MRI Reveals Human Brown Adipose Tissue Is Rapidly Activated in Response to Cold. <i>Journal of the Endocrine Society</i> , 2019, 3, 2374-2384.	0.1	25
44	Metformin-induced increases in GDF15 are important for suppressing appetite and promoting weight loss. <i>Nature Metabolism</i> , 2019, 1, 1202-1208.	5.1	181
45	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.	7.2	246
46	Salicylate enhances the response of prostate cancer to radiotherapy. <i>Prostate</i> , 2019, 79, 489-497.	1.2	10
47	Inhibition of Adenosine Monophosphate-Activated Protein Kinase-3-Hydroxy-Methylglutaryl Coenzyme A Reductase Signaling Leads to Hypercholesterolemia and Promotes Hepatic Steatosis and Insulin Resistance. <i>Hepatology Communications</i> , 2019, 3, 84-98.	2.0	56
48	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.	1.7	12
49	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.	2.7	99
50	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.	1.1	91
51	Cellular Energy Sensing and Metabolism—Implications for Treating Diabetes: The 2017 Outstanding Scientific Achievement Award Lecture. <i>Diabetes</i> , 2018, 67, 169-179.	0.3	20
52	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.	1.7	79
53	Recent advances in the detection of brown adipose tissue in adult humans: a review. <i>Clinical Science</i> , 2018, 132, 1039-1054.	1.8	63
54	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, .	3.3	58

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55	AMPK signaling to acetyl-CoA carboxylase is required for fasting- and cold-induced appetite but not thermogenesis. <i>ELife</i> , 2018, 7, .	2.8	58
56	Metformin inhibits gluconeogenesis via a redox-dependent mechanism in vivo. <i>Nature Medicine</i> , 2018, 24, 1384-1394.	15.2	200
57	AMPK-ACC signaling modulates platelet phospholipids and potentiates thrombus formation. <i>Blood</i> , 2018, 132, 1180-1192.	0.6	57
58	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.	0.2	10
59	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.	1.7	131
60	AMPK activation in the treatment of liver disease. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, SY83-3.	0.0	0
61	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.	1.2	18
62	Scriptaid enhances skeletal muscle insulin action and cardiac function in obese mice. <i>Diabetes, Obesity and Metabolism</i> , 2017, 19, 936-943.	2.2	18
63	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.	0.3	48
64	Muramyl Dipeptide-Based Postbiotics Mitigate Obesity-Induced Insulin Resistance via IRF4. <i>Cell Metabolism</i> , 2017, 25, 1063-1074.e3.	7.2	149
65	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.	3.0	40
66	AMPK ^{Δ21} reduces tumor progression and improves survival in p53 null mice. <i>Molecular Oncology</i> , 2017, 11, 1143-1155.	2.1	28
67	AMPK as a Therapeutic Target for Treating Metabolic Diseases. <i>Trends in Endocrinology and Metabolism</i> , 2017, 28, 545-560.	3.1	454
68	AMP-activated protein kinase, fatty acid metabolism, and insulin sensitivity. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2017, 20, 248-253.	1.3	46
69	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.	1.7	15
70	Growth Differentiation Factor 15 as a Novel Biomarker for Metformin. <i>Diabetes Care</i> , 2017, 40, 280-283.	4.3	112
71	Targeting ATP-Citrate Lyase in Hyperlipidemia and Metabolic Disorders. <i>Trends in Molecular Medicine</i> , 2017, 23, 1047-1063.	3.5	71
72	The autophagy initiator ULK1 sensitizes AMPK to allosteric drugs. <i>Nature Communications</i> , 2017, 8, 571.	5.8	65

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73	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.	1.6	49
74	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.	2.7	8
75	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.	1.2	10
76	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.	3.0	57
77	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.	1.6	19
78	Metformin-induced ablation of microRNA 21-5p releases Sestrin-1 and CAB39L antitumoral activities. <i>Cell Discovery</i> , 2017, 3, 17022.	3.1	59
79	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.	0.8	35
80	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.	0.8	29
81	Lack of Adipocyte AMPK Exacerbates Insulin Resistance and Hepatic Steatosis through Brown and Beige Adipose Tissue Function. <i>Cell Metabolism</i> , 2016, 24, 118-129.	7.2	259
82	The Na ⁺ /Glucose Cotransporter Inhibitor Canagliflozin Activates AMPK by Inhibiting Mitochondrial Function and Increasing Cellular AMP Levels. <i>Diabetes</i> , 2016, 65, 2784-2794.	0.3	277
83	Liver-specific ATP-citrate lyase inhibition by bempedoic acid decreases LDL-C and attenuates atherosclerosis. <i>Nature Communications</i> , 2016, 7, 13457.	5.8	296
84	84P Metabolic stress to sensitize non-small cell lung cancer (NSCLC) to radiotherapy: Studies from bench to bedside. <i>Journal of Thoracic Oncology</i> , 2016, 11, S91.	0.5	0
85	The diabetes medication Canagliflozin reduces cancer cell proliferation by inhibiting mitochondrial complex-I supported respiration. <i>Molecular Metabolism</i> , 2016, 5, 1048-1056.	3.0	131
86	Characterization of Proliferating Lesion-Resident Cells During All Stages of Atherosclerotic Growth. <i>Journal of the American Heart Association</i> , 2016, 5, .	1.6	28
87	An AMP-activated protein kinase-stabilizing peptide ameliorates adipose tissue wasting in cancer cachexia in mice. <i>Nature Medicine</i> , 2016, 22, 1120-1130.	15.2	106
88	Salsalate (Salicylate) Uncouples Mitochondria, Improves Glucose Homeostasis, and Reduces Liver Lipids Independent of AMPK- β 1. <i>Diabetes</i> , 2016, 65, 3352-3361.	0.3	57
89	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.	3.0	64
90	Treatment of nonalcoholic fatty liver disease: role of AMPK. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E730-E740.	1.8	368

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91	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-E993.	1.8	194
92	Skeletal muscle ACC2 S212 phosphorylation is not required for the control of fatty acid oxidation during exercise. <i>Physiological Reports</i> , 2015, 3, e12444.	0.7	16
93	Defective <i>NOD2</i> peptidoglycan sensing promotes diet-induced inflammation, dysbiosis, and insulin resistance. <i>EMBO Molecular Medicine</i> , 2015, 7, 259-274.	3.3	160
94	Effects of Estrogens on Adipokines and Glucose Homeostasis in Female Aromatase Knockout Mice. <i>PLoS ONE</i> , 2015, 10, e0136143.	1.1	22
95	MicroRNA-33-dependent regulation of macrophage metabolism directs immune cell polarization in atherosclerosis. <i>Journal of Clinical Investigation</i> , 2015, 125, 4334-4348.	3.9	304
96	AMPK deficiency in cardiac muscle results in dilated cardiomyopathy in the absence of changes in energy metabolism. <i>Cardiovascular Research</i> , 2015, 107, 235-245.	1.8	67
97	AMPK Activation of Muscle Autophagy Prevents Fasting-Induced Hypoglycemia and Myopathy during Aging. <i>Cell Metabolism</i> , 2015, 21, 883-890.	7.2	190
98	Exercise-stimulated interleukin-15 is controlled by AMPK and regulates skin metabolism and aging. <i>Aging Cell</i> , 2015, 14, 625-634.	3.0	123
99	High intensity interval training improves liver and adipose tissue insulin sensitivity. <i>Molecular Metabolism</i> , 2015, 4, 903-915.	3.0	90
100	Salicylate improves macrophage cholesterol homeostasis via activation of Ampk. <i>Journal of Lipid Research</i> , 2015, 56, 1025-1033.	2.0	55
101	Inhibition of AMP-Activated Protein Kinase at the Allosteric Drug-Binding Site Promotes Islet Insulin Release. <i>Chemistry and Biology</i> , 2015, 22, 705-711.	6.2	50
102	Skeletal muscle AMPK is essential for the maintenance of FNDC5 expression. <i>Physiological Reports</i> , 2015, 3, e12343.	0.7	11
103	Salicylate activates AMPK and synergizes with metformin to reduce the survival of prostate and lung cancer cells <i>ex vivo</i> through inhibition of <i>de novo</i> lipogenesis. <i>Biochemical Journal</i> , 2015, 469, 177-187.	1.7	79
104	Leukemia inhibitory factor increases glucose uptake in mouse skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015, 309, E142-E153.	1.8	28
105	Metformin and salicylate synergistically activate liver AMPK, inhibit lipogenesis and improve insulin sensitivity. <i>Biochemical Journal</i> , 2015, 468, 125-132.	1.7	132
106	Duodenal energy sensing regulates hepatic glucose output. <i>Nature Medicine</i> , 2015, 21, 428-429.	15.2	2
107	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, 978-988.	1.7	143
108	The AMPK activator R419 improves exercise capacity and skeletal muscle insulin sensitivity in obese mice. <i>Molecular Metabolism</i> , 2015, 4, 643-651.	3.0	31

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109	Inhibiting peripheral serotonin synthesis reduces obesity and metabolic dysfunction by promoting brown adipose tissue thermogenesis. <i>Nature Medicine</i> , 2015, 21, 166-172.	15.2	376
110	Hepatic Glucose Intolerance Precedes Hepatic Steatosis in the Male Aromatase Knockout (ArKO) Mouse. <i>PLoS ONE</i> , 2014, 9, e87230.	1.1	21
111	Reduced skeletal muscle AMPK and mitochondrial markers do not promote age-induced insulin resistance. <i>Journal of Applied Physiology</i> , 2014, 117, 171-179.	1.2	8
112	AMP-activated protein kinase (AMPK) beyond metabolism. <i>Cancer Biology and Therapy</i> , 2014, 15, 156-169.	1.5	174
113	Endurance interval training in obese mice reduces muscle inflammation and macrophage content independently of weight loss. <i>Physiological Reports</i> , 2014, 2, e12012.	0.7	31
114	Compensatory regulation of HDAC5 in muscle maintains metabolic adaptive responses and metabolism in response to energetic stress. <i>FASEB Journal</i> , 2014, 28, 3384-3395.	0.2	47
115	PPAR γ 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, 1254-1266.	2.0	61
116	Small Molecule Drug A-769662 and AMP Synergistically Activate Naive AMPK Independent of Upstream Kinase Signaling. <i>Chemistry and Biology</i> , 2014, 21, 619-627.	6.2	137
117	Immunometabolism: the interface of immune and metabolic responses in disease. <i>Immunology and Cell Biology</i> , 2014, 92, 303-303.	1.0	15
118	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.	0.7	19
119	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-E696.	1.8	75
120	Muscle-specific AMPK β 2 null mice display a myopathy due to loss of capillary density in nonpostural muscles. <i>FASEB Journal</i> , 2014, 28, 2098-2107.	0.2	25
121	Fluvastatin Causes NLRP3 Inflammasome-Mediated Adipose Insulin Resistance. <i>Diabetes</i> , 2014, 63, 3742-3747.	0.3	116
122	AMPK promotes macrophage fatty acid oxidative metabolism to mitigate inflammation: implications for diabetes and cardiovascular disease. <i>Immunology and Cell Biology</i> , 2014, 92, 340-345.	1.0	117
123	Suppressor of cytokine signalling (SOCS) proteins as guardians of inflammatory responses critical for regulating insulin sensitivity. <i>Biochemical Journal</i> , 2014, 461, 177-188.	1.7	76
124	Mechanism of Action of Compound-13: An β -1-Selective Small Molecule Activator of AMPK. <i>Chemistry and Biology</i> , 2014, 21, 866-879.	6.2	103
125	Evidence for the role of AMPK in regulating PGC-1 α expression and mitochondrial proteins in mouse epididymal adipose tissue. <i>Obesity</i> , 2014, 22, 730-738.	1.5	129
126	AMPK phosphorylation of ACC2 is required for skeletal muscle fatty acid oxidation and insulin sensitivity in mice. <i>Diabetologia</i> , 2014, 57, 1693-1702.	2.9	105

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127	AMPK-Dependent Inhibitory Phosphorylation of ACC Is Not Essential for Maintaining Myocardial Fatty Acid Oxidation. <i>Circulation Research</i> , 2014, 115, 518-524.	2.0	43
128	The role of AMPK in controlling metabolism and mitochondrial biogenesis during exercise. <i>Experimental Physiology</i> , 2014, 99, 1581-1585.	0.9	69
129	A standardized infrared imaging technique that specifically detects UCP1-mediated thermogenesis in vivo. <i>Molecular Metabolism</i> , 2014, 3, 490-494.	3.0	82
130	Interleukin-15 Modulates Adipose Tissue by Altering Mitochondrial Mass and Activity. <i>PLoS ONE</i> , 2014, 9, e114799.	1.1	31
131	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.	0.2	0
132	Immunometabolism of AMPK in insulin resistance and atherosclerosis. <i>Molecular and Cellular Endocrinology</i> , 2013, 366, 224-234.	1.6	64
133	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, 4852-4862.	1.8	71
134	Diacylglycerol Kinase Delta Promotes Lipogenesis. <i>Biochemistry</i> , 2013, 52, 7766-7776.	1.2	18
135	Single phosphorylation sites in Acc1 and Acc2 regulate lipid homeostasis and the insulin-sensitizing effects of metformin. <i>Nature Medicine</i> , 2013, 19, 1649-1654.	15.2	674
136	Editorial: Presenting an adaptive role for AMPK. <i>Journal of Leukocyte Biology</i> , 2013, 94, 1099-1101.	1.5	2
137	Deletion of Skeletal Muscle SOCS3 Prevents Insulin Resistance in Obesity. <i>Diabetes</i> , 2013, 62, 56-64.	0.3	117
138	AMPK: mediating the metabolic effects of salicylate-based drugs?. <i>Trends in Endocrinology and Metabolism</i> , 2013, 24, 481-487.	3.1	68
139	AMPK regulation of fatty acid metabolism and mitochondrial biogenesis: Implications for obesity. <i>Molecular and Cellular Endocrinology</i> , 2013, 366, 135-151.	1.6	286
140	AMPK and the endocrine control of energy metabolism. <i>Molecular and Cellular Endocrinology</i> , 2013, 366, 125-126.	1.6	11
141	IL-6 is not essential for exercise-induced increases in glucose uptake. <i>Journal of Applied Physiology</i> , 2013, 114, 1151-1157.	1.2	16
142	PIKfyve: a new fish in the growing pool of AMPK substrates. <i>Biochemical Journal</i> , 2013, 455, e1-e3.	1.7	1
143	Loss of TDAG51 Results in Mature-Onset Obesity, Hepatic Steatosis, and Insulin Resistance by Regulating Lipogenesis. <i>Diabetes</i> , 2013, 62, 158-169.	0.3	34
144	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.	1.1	32

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145	Elevated Mitochondrial Oxidative Stress Impairs Metabolic Adaptations to Exercise in Skeletal Muscle. PLoS ONE, 2013, 8, e81879.	1.1	21
146	Markers of Skeletal Muscle Mitochondrial Function and Lipid Accumulation Are Moderately Associated with the Homeostasis Model Assessment Index of Insulin Resistance in Obese Men. PLoS ONE, 2013, 8, e66322.	1.1	37
147	Reduced Socs3 expression in adipose tissue protects female mice against obesity-induced insulin resistance. Diabetologia, 2012, 55, 3083-3093.	2.9	46
148	The Ancient Drug Salicylate Directly Activates AMP-Activated Protein Kinase. Science, 2012, 336, 918-922.	6.0	649
149	Chronic modulation of AMP-Kinase, Akt and mTOR pathways by ionizing radiation in human lung cancer xenografts. Radiation Oncology, 2012, 7, 71.	1.2	12
150	The long and winding TRAIL to weight loss. Clinical Science, 2012, 123, 545-546.	1.8	1
151	Impact of SOCS3 overexpression on human skeletal muscle development in vitro. Cytokine, 2011, 55, 104-109.	1.4	17
152	Contraction-induced skeletal muscle FAT/CD36 trafficking and FA uptake is AMPK independent. Journal of Lipid Research, 2011, 52, 699-711.	2.0	67
153	Deficiency in Interferon- β Results in Reduced Body Weight and Better Glucose Tolerance in Mice. Endocrinology, 2011, 152, 3690-3699.	1.4	65
154	NOD1 Activators Link Innate Immunity to Insulin Resistance. Diabetes, 2011, 60, 2206-2215.	0.3	213
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