Bruce Ernest Kemp

List of Publications by Year
in descending order

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375 papers	41,839 citations	1981 104 h-index	3171 192 g-index
418 all docs	418 docs citations	418 times ranked	36797 citing authors

#	Article	IF	Citations
1	An AMPKÎ±2-specific phospho-switch controls lysosomal targeting for activation. Cell Reports, 2022, 38, 110365.	2.9	8
2	Disrupting AMPK-Glycogen Binding in Mice Increases Carbohydrate Utilization and Reduces Exercise Capacity. Frontiers in Physiology, 2022, 13, 859246.	1.3	2
3	Defective AMPK regulation of cholesterol metabolism accelerates atherosclerosis by promoting HSPC mobilization and myelopoiesis. Molecular Metabolism, 2022, 61, 101514.	3.0	10
4	Calcium/calmodulin-dependent protein kinase kinase 2 regulates hepatic fuel metabolism. Molecular Metabolism, 2022, 62, 101513.	3.0	8
5	Structure-function analysis of the AMPK activator SC4 and identification of a potent pan AMPK activator. Biochemical Journal, 2022, 479, 1181-1204.	1.7	6
6	Blocking AMPK signalling to acetyl-CoA carboxylase increases cisplatin-induced acute kidney injury and suppresses the benefit of metformin. Biomedicine and Pharmacotherapy, 2022, 153, 113377.	2.5	4
7	AMPK mediates energetic stressâ€induced liver GDF15. FASEB Journal, 2021, 35, e21218.	0.2	25
8	Post-Translational Modifications of the Energy Guardian AMP-Activated Protein Kinase. International Journal of Molecular Sciences, 2021, 22, 1229.	1.8	18
9	Voluntary physical activity protects against olanzapine-induced hyperglycemia. Journal of Applied Physiology, 2021, 130, 466-478.	1.2	4
10	Mice with Whole-Body Disruption of AMPK-Glycogen Binding Have Increased Adiposity, Reduced Fat Oxidation and Altered Tissue Glycogen Dynamics. International Journal of Molecular Sciences, 2021, 22, 9616.	1.8	7
11	Relationships between Mitochondrial Function, AMPK, and TORC1 Signaling in Lymphoblasts with Premutation Alleles of the FMR1 Gene. International Journal of Molecular Sciences, 2021, 22, 10393.	1.8	2
12	Salsalate reduces atherosclerosis through AMPKÎ²1 in mice. Molecular Metabolism, 2021, 53, 101321.	3.0	8
13	AMPK activation by SC4 inhibits noradrenaline-induced lipolysis and insulin-stimulated lipogenesis in white adipose tissue. Biochemical Journal, 2021, 478, 3869-3889.	1.7	4
14	Cellular Bioenergetics and AMPK and TORC1 Signalling in Blood Lymphoblasts Are Biomarkers of Clinical Status in FMR1 Premutation Carriers. Frontiers in Psychiatry, 2021, 12, 747268.	1.3	4
15	Foam Cell Induction Activates AMPK But Uncouples Its Regulation of Autophagy and Lysosomal Homeostasis. International Journal of Molecular Sciences, 2020, 21, 9033.	1.8	7
16	Long-chain fatty acyl-CoA esters regulate metabolism via allosteric control of AMPK Î²1 isoforms. Nature Metabolism, 2020, 2, 873-881.	5.1	76
17	CaMKK2 is inactivated by cAMP-PKA signaling and 14-3-3 adaptor proteins. Journal of Biological Chemistry, 2020, 295, 16239-16250.	1.6	24
18	Functional analysis of an R311C variant of Ca²⁺â€calmodulinâ€dependent protein kinase kinaseâ€2 (CaMKK2) found as a de novo mutation in a patient with bipolar disorder. Bipolar Disorders, 2020, 22, 841-848.	1.1	9

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19	The myokine meteorinâ€like (metrnl) improves glucose tolerance in both skeletal muscle cells and mice by targeting AMPKÎ±2. FEBS Journal, 2020, 287, 2087-2104.	2.2	40
20	Genetic loss of AMPK-glycogen binding destabilises AMPK and disrupts metabolism. Molecular Metabolism, 2020, 41, 101048.	3.0	22
21	Effects of PKB/Akt inhibitors on insulin-stimulated lipogenesis and phosphorylation state of lipogenic enzymes in white adipose tissue. Biochemical Journal, 2020, 477, 1373-1389.	1.7	5
22	ATP synthase inhibitory factor 1 (IF1), a novel myokine, regulates glucose metabolism by AMPK and Akt dual pathways. FASEB Journal, 2019, 33, 14825-14840.	0.2	20
23	AMPK Î²1 activation suppresses antipsychoticâ€induced hyperglycemia in mice. FASEB Journal, 2019, 33, 14010-14021.	0.2	18
24	Absence of the Î²1 subunit of <scp>AMP</scp>â€activated protein kinase reduces myofibroblast infiltration of the kidneys in early diabetes. International Journal of Experimental Pathology, 2019, 100, 114-122.	0.6	2
25	Inhibition of Adenosine Monophosphateâ€“Activated Protein Kinaseâ€“3â€Hydroxyâ€3â€Methylglutaryl Coenzyme A Reductase Signaling Leads to Hypercholesterolemia and Promotes Hepatic Steatosis and Insulin Resistance. Hepatology Communications, 2019, 3, 84-98.	2.0	56
26	Visualizing AMPK Drug Binding Sites Through Crystallization of Full-Length Phosphorylated Î±2Î²1Î³1 Heterotrimer. Methods in Molecular Biology, 2018, 1732, 15-27.	0.4	1
27	Structural Determinants for Small-Molecule Activation of Skeletal Muscle AMPK Î±2Î²2Î³1 by the Glucose Importagog SC4. Cell Chemical Biology, 2018, 25, 728-737.e9.	2.5	40
28	AMP-activated protein kinase selectively inhibited by the type II inhibitor SBI-0206965. Journal of Biological Chemistry, 2018, 293, 8874-8885.	1.6	98
29	Mitochondrial fission protein Drp1 inhibition promotes cardiac mesodermal differentiation of human pluripotent stem cells. Cell Death Discovery, 2018, 4, 39.	2.0	61
30	Loss of BIM increases mitochondrial oxygen consumption and lipid oxidation, reduces adiposity and improves insulin sensitivity in mice. Cell Death and Differentiation, 2018, 25, 217-225.	5.0	18
31	The Spectrum of Neurological and White Matter Changes and Premutation Status Categories of Older Male Carriers of the FMR1 Alleles Are Linked to Genetic (CGG and FMR1 mRNA) and Cellular Stress (AMPK) Markers. Frontiers in Genetics, 2018, 9, 531.	1.1	7
32	Phosphorylation of Acetyl-CoA Carboxylase by AMPK Reduces Renal Fibrosis and Is Essential for the Anti-Fibrotic Effect of Metformin. Journal of the American Society of Nephrology: JASN, 2018, 29, 2326-2336.	3.0	93
33	AMPK signaling to acetyl-CoA carboxylase is required for fasting- and cold-induced appetite but not thermogenesis. ELife, 2018, 7, .	2.8	58
34	Metformin inhibits gluconeogenesis via a redox-dependent mechanism in vivo. Nature Medicine, 2018, 24, 1384-1394.	15.2	200
35	AMPK-ACC signaling modulates platelet phospholipids and potentiates thrombus formation. Blood, 2018, 132, 1180-1192.	0.6	57
36	Impact of Genetic Variation on Human CaMKK2 Regulation by Ca2+-Calmodulin and Multisite Phosphorylation. Scientific Reports, 2017, 7, 43264.	1.6	15

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37	<scp>AMPK</scp> Î²1 reduces tumor progression and improves survival in p53 null mice. Molecular Oncology, 2017, 11, 1143-1155.	2.1	28
38	The autophagy initiator ULK1 sensitizes AMPK to allosteric drugs. Nature Communications, 2017, 8, 571.	5.8	65
39	Energy sensing through a sugar diphosphate. Nature, 2017, 548, 36-37.	13.7	7
40	Fake Inhibitors: AMPK Activation Trumps Inhibition. Cell Chemical Biology, 2017, 24, 775-777.	2.5	3
41	Lack of Adipocyte AMPK Exacerbates Insulin Resistance and Hepatic Steatosis through Brown and Beige Adipose Tissue Function. Cell Metabolism, 2016, 24, 118-129.	7.2	259
42	Renoprotective Effects of Metformin are Independent of Organic Cation Transporters 1 & 2 and AMP-activated Protein Kinase in the Kidney. Scientific Reports, 2016, 6, 35952.	1.6	32
43	Î²-subunit myristoylation functions as an energy sensor by modulating the dynamics of AMP-activated Protein Kinase. Scientific Reports, 2016, 6, 39417.	1.6	13
44	Immortalized Parkinson's Disease lymphocytes have enhanced mitochondrial respiratory activity. DMM Disease Models and Mechanisms, 2016, 9, 1295-1305.	1.2	40
45	An AMP-activated protein kinaseâ€“stabilizing peptide ameliorates adipose tissue wasting in cancer cachexia in mice. Nature Medicine, 2016, 22, 1120-1130.	15.2	106
46	Salsalate (Salicylate) Uncouples Mitochondria, Improves Glucose Homeostasis, and Reduces Liver Lipids Independent of AMPK-Î²1. Diabetes, 2016, 65, 3352-3361.	0.3	57
47	Structural basis of allosteric and synergistic activation of AMPK by furan-2-phosphonic derivative C2 binding. Nature Communications, 2016, 7, 10912.	5.8	69
48	Ghrelin-AMPK Signaling Mediates the Neuroprotective Effects of Calorie Restriction in Parkinson's Disease. Journal of Neuroscience, 2016, 36, 3049-3063.	1.7	128
49	Metformin Prevents Nigrostriatal Dopamine Degeneration Independent of AMPK Activation in Dopamine Neurons. PLoS ONE, 2016, 11, e0159381.	1.1	63
50	Skeletal muscle ACC2 S212 phosphorylation is not required for the control of fatty acid oxidation during exercise. Physiological Reports, 2015, 3, e12444.	0.7	16
51	Autophosphorylation of CaMKK2 generates autonomous activity that is disrupted by a T85S mutation linked to anxiety and bipolar disorder. Scientific Reports, 2015, 5, 14436.	1.6	28
52	AMPK deficiency in cardiac muscle results in dilated cardiomyopathy in the absence of changes in energy metabolism. Cardiovascular Research, 2015, 107, 235-245.	1.8	67
53	SnRK1 from Arabidopsis thaliana is an atypical <scp>AMPK</scp>. Plant Journal, 2015, 82, 183-192.	2.8	115
54	AMPK Activation of Muscle Autophagy Prevents Fasting-Induced Hypoglycemia and Myopathy during Aging. Cell Metabolism, 2015, 21, 883-890.	7.2	190

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55	Exerciseâ€stimulated interleukinâ€15 is controlled by<scp>AMPK</scp>and regulates skin metabolism and aging. Aging Cell, 2015, 14, 625-634.	3.0	123
56	High intensity interval training improves liver and adipose tissue insulin sensitivity. Molecular Metabolism, 2015, 4, 903-915.	3.0	90
57	Salicylate improves macrophage cholesterol homeostasis via activation of Ampk. Journal of Lipid Research, 2015, 56, 1025-1033.	2.0	55
58	Inhibition of AMP-Activated Protein Kinase at the Allosteric Drug-Binding Site Promotes Islet Insulin Release. Chemistry and Biology, 2015, 22, 705-711.	6.2	50
59	Skeletal muscle AMPK is essential for the maintenance of FNDC5 expression. Physiological Reports, 2015, 3, e12343.	0.7	11
60	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. Biochemical Journal, 2015, 469, 177-187.	1.7	79
61	Metformin and salicylate synergistically activate liver AMPK, inhibit lipogenesis and improve insulin sensitivity. Biochemical Journal, 2015, 468, 125-132.	1.7	132
62	The AMPK activator R419 improves exercise capacity and skeletal muscle insulin sensitivity in obese mice. Molecular Metabolism, 2015, 4, 643-651.	3.0	31
63	Choreography of AMPK activation. Cell Research, 2015, 25, 5-6.	5.7	60
64	Reduced skeletal muscle AMPK and mitochondrial markers do not promote age-induced insulin resistance. Journal of Applied Physiology, 2014, 117, 171-179.	1.2	8
65	Activation of AMPK reduces the co-transporter activity of NKCC1. Molecular Membrane Biology, 2014, 31, 95-102.	2.0	10
66	Compensatory regulation of HDAC5 in muscle maintains metabolic adaptive responses and metabolism in response to energetic stress. FASEB Journal, 2014, 28, 3384-3395.	0.2	47
67	PPARÎ´ activation attenuates hepatic steatosis in Ldlr mice by enhanced fat oxidation, reduced lipogenesis, and improved insulin sensitivity. Journal of Lipid Research, 2014, 55, 1254-1266.	2.0	61
68	Small Molecule Drug A-769662 and AMP Synergistically Activate Naive AMPK Independent of Upstream Kinase Signaling. Chemistry and Biology, 2014, 21, 619-627.	6.2	137
69	Enhanced activation of cellular AMPK by dual-small molecule treatment: AICAR and A769662. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E688-E696.	1.8	75
70	Muscleâ€specific AMPK Î²1Î²2â€null mice display a myopathy due to loss of capillary density in nonpostural muscles. FASEB Journal, 2014, 28, 2098-2107.	0.2	25
71	Mechanism of Action of Compound-13: An Î±1-Selective Small Molecule Activator of AMPK. Chemistry and Biology, 2014, 21, 866-879.	6.2	103
72	Evidence for the role of AMPK in regulating PGCâ€1 alpha expression and mitochondrial proteins in mouse epididymal adipose tissue. Obesity, 2014, 22, 730-738.	1.5	129

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73	AMPK phosphorylation of ACC2 is required for skeletal muscle fatty acid oxidation and insulin sensitivity in mice. Diabetologia, 2014, 57, 1693-1702.	2.9	105
74	AMPK-Dependent Inhibitory Phosphorylation of ACC Is Not Essential for Maintaining Myocardial Fatty Acid Oxidation. Circulation Research, 2014, 115, 518-524.	2.0	43
75	Novel mechanisms of Na⁺ retention in obesity: phosphorylation of NKCC2 and regulation of SPAK/OSR1 by AMPK. American Journal of Physiology - Renal Physiology, 2014, 307, F96-F106.	1.3	28
76	ATP sensitive bi-quinoline activator of the AMP-activated protein kinase. Biochemical and Biophysical Research Communications, 2014, 443, 435-440.	1.0	5
77	Mutant TDP-43 Deregulates AMPK Activation by PP2A in ALS Models. PLoS ONE, 2014, 9, e90449.	1.1	46
78	Single phosphorylation sites in Acc1 and Acc2 regulate lipid homeostasis and the insulin-sensitizing effects of metformin. Nature Medicine, 2013, 19, 1649-1654.	15.2	674
79	AMPK couples plasma renin to cellular metabolism by phosphorylation of ACC1. American Journal of Physiology - Renal Physiology, 2013, 305, F679-F690.	1.3	18
80	Pro-GRP-Derived Peptides Are Expressed in Colorectal Cancer Cells and Tumors and Are Biologically Active in Vivo. Endocrinology, 2012, 153, 1082-1092.	1.4	10
81	AMPK functions as an adenylate charge-regulated protein kinase. Trends in Endocrinology and Metabolism, 2012, 23, 125-132.	3.1	167
82	The Ancient Drug Salicylate Directly Activates AMP-Activated Protein Kinase. Science, 2012, 336, 918-922.	6.0	649
83	The Outcome of Renal Ischemia-Reperfusion Injury Is Unchanged in AMPK-Î²1 Deficient Mice. PLoS ONE, 2012, 7, e29887.	1.1	27
84	Inhibition of Kir2.1 (KCNJ2) by the AMP-activated protein kinase. Biochemical and Biophysical Research Communications, 2011, 408, 505-510.	1.0	38
85	Inhibition of Connexin 26 by the AMP-Activated Protein Kinase. Journal of Membrane Biology, 2011, 240, 151-158.	1.0	11
86	Ca2+/Calmodulin-dependent Protein Kinase Kinase Î² Is Regulated by Multisite Phosphorylation. Journal of Biological Chemistry, 2011, 286, 28066-28079.	1.6	62
87	AMP-activated protein kinase (AMPK) Î²1Î²2 muscle null mice reveal an essential role for AMPK in maintaining mitochondrial content and glucose uptake during exercise. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16092-16097.	3.3	357
88	AMPK Is a Direct Adenylate Charge-Regulated Protein Kinase. Science, 2011, 332, 1433-1435.	6.0	499
89	Inhibition of the heterotetrameric K+channel KCNQ1/KCNE1 by the AMP-activated protein kinase. Molecular Membrane Biology, 2011, 28, 79-89.	2.0	34
90	Hematopoietic AMPK Î²1 reduces mouse adipose tissue macrophage inflammation and insulin resistance in obesity. Journal of Clinical Investigation, 2011, 121, 4903-4915.	3.9	291

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91	Downâ€regulation of Na⁺â€coupled glutamate transporter EAAT3 and EAAT4 by AMPâ€activated protein kinase. Journal of Neurochemistry, 2010, 113, 1426-1435.	2.1	27
92	5â€aminoimidazoleâ€4â€carboxamide ribonucleoside and AMPâ€activated protein kinase inhibit signalling through NFâ€ÎºB. Immunology and Cell Biology, 2010, 88, 754-760.	1.0	50
93	Germline deletion of AMPâ€activated protein kinase Î² subunits reduces bone mass without altering osteoclast differentiation or function. FASEB Journal, 2010, 24, 275-285.	0.2	52
94	AMPK Î²1 Deletion Reduces Appetite, Preventing Obesity and Hepatic Insulin Resistance. Journal of Biological Chemistry, 2010, 285, 115-122.	1.6	154
95	Regulation of Na⁺-coupled glucose carrier SGLT1 by AMP-activated protein kinase. Molecular Membrane Biology, 2010, 27, 137-144.	2.0	61
96	Î²-Subunit myristoylation is the gatekeeper for initiating metabolic stress sensing by AMP-activated protein kinase (AMPK). Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19237-19241.	3.3	267
97	Whole Body Deletion of AMP-activated Protein Kinase Î²2 Reduces Muscle AMPK Activity and Exercise Capacity. Journal of Biological Chemistry, 2010, 285, 37198-37209.	1.6	145
98	Metformin, Independent of AMPK, Inhibits mTORC1 in a Rag GTPase-Dependent Manner. Cell Metabolism, 2010, 11, 390-401.	7.2	747
99	Isolation, identification and biological activity of gastrin-releasing peptide 1â€“46 (oGRP1â€“46), the primary GRP gene-derived peptide product of the pregnant ovine endometrium. Peptides, 2010, 31, 284-290.	1.2	6
100	Principles of Kinase Regulation. , 2010, , 559-563.		19
101	Substrates of Cyclic Nucleotide-Dependent Protein Kinases. , 2010, , 1489-1495.		1
102	High-Density Lipoprotein Modulates Glucose Metabolism in Patients With Type 2 Diabetes Mellitus. Circulation, 2009, 119, 2103-2111.	1.6	363
103	Association of AMP-activated Protein Kinase Subunits With Glycogen Particles as Revealed In Situ by Immunoelectron Microscopy. Journal of Histochemistry and Cytochemistry, 2009, 57, 963-971.	1.3	32
104	Impaired Skeletal Muscle Î²-Adrenergic Activation and Lipolysis Are Associated with Whole-Body Insulin Resistance in Rats Bred for Low Intrinsic Exercise Capacity. Endocrinology, 2009, 150, 4883-4891.	1.4	44
105	Oligomeric resistin impairs insulin and AICAR-stimulated glucose uptake in mouse skeletal muscle by inhibiting GLUT4 translocation. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E57-E66.	1.8	34
106	Low salt concentrations activate AMP-activated protein kinase in mouse macula densa cells. American Journal of Physiology - Renal Physiology, 2009, 296, F801-F809.	1.3	13
107	Ciliary Neurotrophic Factor Stimulates Muscle Glucose Uptake by a PI3-Kinaseâ€“Dependent Pathway That Is Impaired With Obesity. Diabetes, 2009, 58, 829-839.	0.3	47
108	Reduced AMP-activated protein kinase activity in mouse skeletal muscle does not exacerbate the development of insulin resistance with obesity. Diabetologia, 2009, 52, 2395-2404.	2.9	42

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109	Examination of â€˜lipotoxicityâ€™ in skeletal muscle of highâ€fat fed and ob/ob mice. Journal of Physiology, 2009, 587, 1593-1605.	1.3	95
110	Structure and function of AMPâ€activated protein kinase. Acta Physiologica, 2009, 196, 3-14.	1.8	70
111	Phosphorylation regulates copper-responsive trafficking of the Menkes copper transporting P-type ATPase. International Journal of Biochemistry and Cell Biology, 2009, 41, 2403-2412.	1.2	52
112	High-density lipoprotein modulates glucose metabolism in patients with type 2 diabetes. Heart Lung and Circulation, 2009, 18, S244.	0.2	1
113	AMPK in Health and Disease. Physiological Reviews, 2009, 89, 1025-1078.	13.1	1,423
114	Thienopyridone Drugs Are Selective Activators of AMP-Activated Protein Kinase Î²1-Containing Complexes. Chemistry and Biology, 2008, 15, 1220-1230.	6.2	221
115	AMPKâ€independent pathways regulate skeletal muscle fatty acid oxidation. Journal of Physiology, 2008, 586, 5819-5831.	1.3	121
116	Predikin and PredikinDB: a computational framework for the prediction of protein kinase peptide specificity and an associated database of phosphorylation sites. BMC Bioinformatics, 2008, 9, 245.	1.2	62
117	Increased glycogen stores due to Î³-AMPK overexpression protects against ischemia and reperfusion damage. Biochemical Pharmacology, 2008, 75, 1482-1491.	2.0	25
118	Hypothalamic CaMKK2 Contributes to the Regulation of Energy Balance. Cell Metabolism, 2008, 7, 377-388.	7.2	331
119	Glutathionyl haemoglobin is not increased in diabetes nor related to glycaemia, complications, dyslipidaemia, inflammation or other measures of oxidative stress. Diabetes Research and Clinical Practice, 2008, 80, e1-e3.	1.1	16
120	Bradykinin stimulates endothelial cell fatty acid oxidation by CaMKK-dependent activation of AMPK. Atherosclerosis, 2008, 200, 28-36.	0.4	45
121	AMP-Activated Protein Kinase Regulates GLUT4 Transcription by Phosphorylating Histone Deacetylase 5. Diabetes, 2008, 57, 860-867.	0.3	359
122	AMP-activated Protein Kinase Subunit Interactions. Journal of Biological Chemistry, 2008, 283, 4799-4807.	1.6	29
123	Prolonged interleukin-6 administration enhances glucose tolerance and increases skeletal muscle PPARÎ± and UCP2 expression in rats. Journal of Endocrinology, 2008, 198, 367-374.	1.2	55
124	Phosphatidylinositol Ether Lipid Analogues Induce AMP-Activated Protein Kinaseâ€“Dependent Death in LKB1-Mutant Nonâ€“Small Cell Lung Cancer Cells. Cancer Research, 2008, 68, 580-588.	0.4	44
125	Adipose Triglyceride Lipase Regulation of Skeletal Muscle Lipid Metabolism and Insulin Responsiveness. Molecular Endocrinology, 2008, 22, 1200-1212.	3.7	36
126	Differential attenuation of AMPK activation during acute exercise following exercise training or AICAR treatment. Journal of Applied Physiology, 2008, 105, 1422-1427.	1.2	20

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127	Fat adaptation followed by carbohydrate restoration increases AMPK activity in skeletal muscle from trained humans. Journal of Applied Physiology, 2008, 105, 1519-1526.	1.2	63
128	Metabolic Remodeling in Adipocytes Promotes Ciliary Neurotrophic Factor-Mediated Fat Loss in Obesity. Endocrinology, 2008, 149, 2546-2556.	1.4	50
129	AMP-activated Protein Kinase Impairs Endothelial Actin Cytoskeleton Assembly by Phosphorylating Vasodilator-stimulated Phosphoprotein. Journal of Biological Chemistry, 2007, 282, 4601-4612.	1.6	95
130	Genetic model for the chronic activation of skeletal muscle AMP-activated protein kinase leads to glycogen accumulation. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E802-E811.	1.8	62
131	Adipocyte triglyceride lipase expression in human obesity. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E958-E964.	1.8	134
132	Dysregulation of muscle lipid metabolism in rats selectively bred for low aerobic running capacity. American Journal of Physiology - Endocrinology and Metabolism, 2007, 292, E1631-E1636.	1.8	19
133	Tissue-Specific Effects of Rosiglitazone and Exercise in the Treatment of Lipid-Induced Insulin Resistance. Diabetes, 2007, 56, 1856-1864.	0.3	85
134	Low-density lipoprotein particles and risk of intracerebral haemorrhage in subjects with cerebrovascular disease. European Journal of Cardiovascular Prevention and Rehabilitation, 2007, 14, 413-418.	3.1	6
135	Regulation of the renal-specific Na+â€“K+â€“2Clâ^' co-transporter NKCC2 by AMP-activated protein kinase (AMPK). Biochemical Journal, 2007, 405, 85-93.	1.7	83
136	Perindopril-based blood pressure-lowering therapy reduces amino-terminal-pro-B-type natriuretic peptide in individuals with cerebrovascular disease. Journal of Hypertension, 2007, 25, 699-705.	0.3	8
137	Regulation of endothelial and myocardial NO synthesis by multi-site eNOS phosphorylation. Journal of Molecular and Cellular Cardiology, 2007, 42, 271-279.	0.9	453
138	Adiponectin: Starving for Attention. Cell Metabolism, 2007, 6, 3-4.	7.2	21
139	Leptin stimulation of COXIV is impaired in obese skeletal muscle myotubes. Obesity Research and Clinical Practice, 2007, 1, 53-60.	0.8	10
140	AMPK Structure and Regulation from Three Angles. Structure, 2007, 15, 1161-1163.	1.6	59
141	AMP-activated protein kinase â€" the fat controller of the energy railroadThis paper is one of a selection of papers published in this Special issue, entitled Second Messengers and Phosphoproteinsâ€"12th International Conference.. Canadian Journal of Physiology and Pharmacology, 2006, 84, 655-665.	0.7	66
142	Production, Secretion, and Biological Activity of the C-Terminal Flanking Peptide of Human Progastrin. Gastroenterology, 2006, 131, 1463-1474.	0.6	20
143	Reduced glycogen availability is associated with increased AMPKÎ±2 activity, nuclear AMPKÎ±2 protein abundance, and GLUT4 mRNA expression in contracting human skeletal muscle. Applied Physiology, Nutrition and Metabolism, 2006, 31, 302-312.	0.9	83
144	Phosphorylation of Neuronal and Endothelial Nitric Oxide Synthase in the Kidney with High and Low Salt Diets. Nephron Physiology, 2006, 102, p36-p50.	1.5	22

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145	Tumor necrosis factor Î±-induced skeletal muscle insulin resistance involves suppression of AMP-kinase signaling. Cell Metabolism, 2006, 4, 465-474.	7.2	363
146	Differential calcineurin signalling activity and regeneration efficacy in diaphragm and limb muscles of dystrophic mdx mice. Neuromuscular Disorders, 2006, 16, 337-346.	0.3	26
147	Soluble Vascular Cell Adhesion Molecule 1 and N-terminal Proâ€“B-Type Natriuretic Peptide in Predicting Ischemic Stroke in Patients With Cerebrovascular Disease. Archives of Neurology, 2006, 63, 60.	4.9	41
148	Activators of the energy sensing kinase AMPK inhibit random cell movement and chemotaxis in U937 cells. Immunology and Cell Biology, 2006, 84, 6-12.	1.0	21
149	CNTF reverses obesity-induced insulin resistance by activating skeletal muscle AMPK. Nature Medicine, 2006, 12, 541-548.	15.2	250
150	Differential Regulation of Adiponectin Receptor Gene Expression by Adiponectin and Leptin in Myotubes Derived from Obese and Diabetic Individuals. Obesity, 2006, 14, 1898-1904.	1.5	35
151	Fatty acids stimulate AMP-activated protein kinase and enhance fatty acid oxidation in L6 myotubes. Journal of Physiology, 2006, 574, 139-147.	1.3	91
152	AICAR inhibits the Na+/H+ exchanger in rat heartsâ€"possible contribution to cardioprotection. Pflugers Archiv European Journal of Physiology, 2006, 453, 147-156.	1.3	13
153	Chutes and Ladders: the search for protein kinases that act on AMPK. Trends in Biochemical Sciences, 2006, 31, 13-16.	3.7	107
154	The Suppressor of Cytokine Signaling 3 Inhibits Leptin Activation of AMP-Kinase in Cultured Skeletal Muscle of Obese Humans. Journal of Clinical Endocrinology and Metabolism, 2006, 91, 3592-3597.	1.8	97
155	Ciliary Neurotrophic Factor Suppresses Hypothalamic AMP-Kinase Signaling in Leptin-Resistant Obese Mice. Endocrinology, 2006, 147, 3906-3914.	1.4	92
156	Interleukin-6 Increases Insulin-Stimulated Glucose Disposal in Humans and Glucose Uptake and Fatty Acid Oxidation In Vitro via AMP-Activated Protein Kinase. Diabetes, 2006, 55, 2688-2697.	0.3	699
157	Effect of exercise intensity and hypoxia on skeletal muscle AMPK signaling and substrate metabolism in humans. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E694-E702.	1.8	78
158	Chronic rosiglitazone treatment restores AMPKÎ±2 activity in insulin-resistant rat skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E251-E257.	1.8	58
159	Carbohydrate ingestion does not alter skeletal muscle AMPK signaling during exercise in humans. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E566-E573.	1.8	32
160	Impact of in vivo fatty acid oxidation blockade on glucose turnover and muscle glucose metabolism during low-dose AICAR infusion. American Journal of Physiology - Endocrinology and Metabolism, 2006, 291, E1131-E1140.	1.8	6
161	Regulation of HSL serine phosphorylation in skeletal muscle and adipose tissue. American Journal of Physiology - Endocrinology and Metabolism, 2006, 290, E500-E508.	1.8	197
162	Rosiglitazone Treatment Enhances Acute AMP-Activated Protein Kinase-Mediated Muscle and Adipose Tissue Glucose Uptake in High-Fat-Fed Rats. Diabetes, 2006, 55, 2797-2804.	0.3	59

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163	Adrenergic regulation of HSL serine phosphorylation and activity in human skeletal muscle during the onset of exercise. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2006, 291, R1094-R1099.	0.9	18
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