

David Carling

List of Publications by Year in descending order

Source: [//exaly.com/author-pdf/3504401/publications.pdf](https://exaly.com/author-pdf/3504401/publications.pdf)

Version: 2025-02-01

163
papers

38,349
citations

3503

85
h-index

4155

164
g-index

179
all docs

179
docs citations

179
times ranked

32181
citing authors

#	ARTICLE	IF	CITATIONS
1	AMP-activated protein kinase activation suppresses leptin expression independently of adipogenesis in primary murine adipocytes. <i>Biochemical Journal</i> , 2024, 481, 345-362.	3.9	3
2	Chronic treatment with glucagon-like peptide-1 and glucagon receptor co-agonist causes weight loss-independent improvements in hepatic steatosis in mice with diet-induced obesity. <i>Biomedicine and Pharmacotherapy</i> , 2024, 176, 116888.	6.7	0
3	Inhibition of IL-11 signalling extends mammalian healthspan and lifespan. <i>Nature</i> , 2024, 632, 157-165.	40.1	33
4	A special issue of <i>Essays in Biochemistry</i> on AMPK and AMPK-related kinases. <i>Essays in Biochemistry</i> , 2024, 68, 269-271.	5.3	0
5	AMPK activation protects against prostate cancer by inducing a catabolic cellular state. <i>Cell Reports</i> , 2023, 42, 112396.	6.4	21
6	Sleeve gastrectomy causes weight loss independent improvements in hepatic steatosis. <i>Liver International</i> , 2023, 43, 1890-1900.	4.2	4
7	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.	4.9	42
8	Opposing effects on regulated insulin secretion of acute vs chronic stimulation of AMP-activated protein kinase. <i>Diabetologia</i> , 2022, 65, 997-1011.	8.1	9
9	Indisulam targets RNA splicing and metabolism to serve as a therapeutic strategy for high-risk neuroblastoma. <i>Nature Communications</i> , 2022, 13, .	14.1	38
10	Hepatocyte cholesterol content modulates glucagon receptor signalling. <i>Molecular Metabolism</i> , 2022, 63, 101530.	6.1	7
11	Inhibiting lysosomal aldolase: a magic bullet for AMPK activation in treating metabolic disease?. , 2022, , .		0
12	Metformin directly suppresses atherosclerosis in normoglycaemic mice via haematopoietic adenosine monophosphate-activated protein kinase. <i>Cardiovascular Research</i> , 2021, 117, 1295-1308.	5.6	33
13	Salicylates Ameliorate Intestinal Inflammation by Activating Macrophage AMPK. <i>Inflammatory Bowel Diseases</i> , 2021, 27, 914-926.	2.4	37
14	Cell competition acts as a purifying selection to eliminate cells with mitochondrial defects during early mouse development. <i>Nature Metabolism</i> , 2021, 3, 1091-1108.	11.9	36
15	Direct small molecule ADaM-site AMPK activators reveal an AMPK β 3-independent mechanism for blood glucose lowering. <i>Molecular Metabolism</i> , 2021, 51, 101259.	6.1	14
16	Receptor Activity-Modifying Protein 2 (RAMP2) alters glucagon receptor trafficking in hepatocytes with functional effects on receptor signalling. <i>Molecular Metabolism</i> , 2021, 53, 101296.	6.1	18
17	Chronic activation of AMP-activated protein kinase leads to early-onset polycystic kidney phenotype. <i>Clinical Science</i> , 2021, 135, 2393-2408.	6.3	10
18	A loss-of-function NUA2 mutation in humans causes anencephaly due to impaired Hippo-YAP signaling. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.1	30

#	ARTICLE	IF	CITATIONS
19	Hematoma Resolution In Vivo Is Directed by Activating Transcription Factor 1. <i>Circulation Research</i> , 2020, 127, 928-944.	12.8	7
20	Thermogenic adipocytes: lineage, function and therapeutic potential. <i>Biochemical Journal</i> , 2020, 477, 2071-2093.	3.9	20
21	Protein kinase A negatively regulates VEGF-induced AMPK activation by phosphorylating CaMKK2 at serine 495. <i>Biochemical Journal</i> , 2020, 477, 3453-3469.	3.9	10
22	FLIM, FRET and high content analysis. , 2020, , 42.		0
23	AMPK hierarchy: a matter of space and time. <i>Cell Research</i> , 2019, 29, 425-426.	8.2	9
24	AMP-activated protein kinase: the current landscape for drug development. <i>Nature Reviews Drug Discovery</i> , 2019, 18, 527-551.	39.3	463
25	AMPK activation protects against diet-induced obesity through Ucp1-independent thermogenesis in subcutaneous white adipose tissue. <i>Nature Metabolism</i> , 2019, 1, 340-349.	11.9	78
26	CAMKK2 Promotes Prostate Cancer Independently of AMPK via Increased Lipogenesis. <i>Cancer Research</i> , 2018, 78, 6747-6761.	0.6	51
27	Mitochondria-derived ROS activate AMP-activated protein kinase (AMPK) indirectly. <i>Journal of Biological Chemistry</i> , 2018, 293, 17208-17217.	2.3	225
28	Isoform-specific AMPK association with TBC1D1 is reduced by a mutation associated with severe obesity. <i>Biochemical Journal</i> , 2018, 475, 2969-2983.	3.9	13
29	AMPK signalling in health and disease. <i>Current Opinion in Cell Biology</i> , 2017, 45, 31-37.	4.2	567
30	Effect of different β -subunit isoforms on the regulation of AMPK. <i>Biochemical Journal</i> , 2017, 474, 1741-1754.	3.9	47
31	Mammalian β AMPK regulates intrinsic heart rate. <i>Nature Communications</i> , 2017, 8, .	14.1	43
32	Phosphorylation of AMPK by upstream kinases is required for activity in mammalian cells. <i>Biochemical Journal</i> , 2017, 474, 3059-3073.	3.9	128
33	Imaging of Metabolic Status in 3D Cultures with an Improved AMPK FRET Biosensor for FLIM. <i>Sensors</i> , 2016, 16, 1312.	4.0	12
34	Chronic Activation of β AMPK Induces Obesity and Reduces β Cell Function. <i>Cell Metabolism</i> , 2016, 23, 821-836.	26.3	85
35	Three-dimensional fluorescence imaging by stage-scanning oblique plane microscopy (Conference Presentation). , 2016, , 34.		0
36	Mutation of <i>Fnip1</i> is associated with B-cell deficiency, cardiomyopathy, and elevated AMPK activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, .	7.7	43

#	ARTICLE	IF	CITATIONS
37	The novel choline kinase inhibitor ICL-CCIC-0019 reprograms cellular metabolism and inhibits cancer cell growth. <i>Oncotarget</i> , 2016, 7, 37103-37120.	1.7	31
38	Beyond Energy Homeostasis: the Expanding Role of AMP-Activated Protein Kinase in Regulating Metabolism. <i>Cell Metabolism</i> , 2015, 21, 799-804.	26.3	74
39	A dual role for <sc>AMP</sc>-activated protein kinase (AMPK) during neonatal hypoxic-ischaemic brain injury in mice. <i>Journal of Neurochemistry</i> , 2015, 133, 242-252.	4.0	48
40	Glucokinase activity in the arcuate nucleus regulates glucose intake. <i>Journal of Clinical Investigation</i> , 2015, 125, 337-349.	9.1	30
41	The short-chain fatty acid acetate reduces appetite via a central homeostatic mechanism. <i>Nature Communications</i> , 2014, 5, .	14.1	1,239
42	The mammalian AMP-activated protein kinase complex mediates glucose regulation of gene expression in the yeast <i>Saccharomyces cerevisiae</i> . <i>FEBS Letters</i> , 2014, 588, 2070-2077.	2.8	7
43	Potassium Channel KCNA1 Modulates Oncogene-Induced Senescence and Transformation. <i>Cancer Research</i> , 2013, 73, 5253-5265.	0.6	40
44	5-AMP-Activated Protein Kinase-Activating Transcription Factor 1 Cascade Modulates Human Monocyte-Derived Macrophages to Atheroprotective Functions in Response to Heme or Metformin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 2470-2480.	6.2	40
45	Structural basis of AMPK regulation by small molecule activators. <i>Nature Communications</i> , 2013, 4, .	14.1	412
46	AMPK, insulin resistance, and the metabolic syndrome. <i>Journal of Clinical Investigation</i> , 2013, 123, 2764-2772.	9.1	674
47	5-AMP-activated protein kinase is inactivated by adrenergic signalling in adult cardiac myocytes. <i>Bioscience Reports</i> , 2012, 32, 197-209.	3.9	11
48	AMP-Activated Protein Kinase Phosphorylates Cardiac Troponin I and Alters Contractility of Murine Ventricular Myocytes. <i>Circulation Research</i> , 2012, 110, 1192-1201.	12.8	67
49	To the Editor. <i>Nature Genetics</i> , 2012, 44, 360-361.	16.3	25
50	AMP-activated protein kinase: new regulation, new roles?. <i>Biochemical Journal</i> , 2012, 445, 11-27.	3.9	315
51	Absence of RIP140 Reveals a Pathway Regulating glut4-Dependent Glucose Uptake in Oxidative Skeletal Muscle through UCP1-Mediated Activation of AMPK. <i>PLoS ONE</i> , 2012, 7, e32520.	2.5	26
52	Fluorescence Lifetime Readouts of Troponin-C-Based Calcium FRET Sensors: A Quantitative Comparison of CFP and mTFP1 as Donor Fluorophores. <i>PLoS ONE</i> , 2012, 7, e49200.	2.5	22
53	ADP Regulates SNF1, the <i>Saccharomyces cerevisiae</i> Homolog of AMP-Activated Protein Kinase. <i>Cell Metabolism</i> , 2011, 14, 707-714.	26.3	128
54	AMP-activated protein kinase (AMPK) is a tau kinase, activated in response to amyloid β -peptide exposure. <i>Biochemical Journal</i> , 2011, 434, 503-512.	3.9	145

#	ARTICLE	IF	CITATIONS
55	LKB1 is required for hepatic bile acid transport and canalicular membrane integrity in mice. <i>Biochemical Journal</i> , 2011, 434, 49-60.	3.9	60
56	Structure of mammalian AMPK and its regulation by ADP. <i>Nature</i> , 2011, 472, 230-233.	40.1	720
57	AMP-activated protein kinase: also regulated by ADP?. <i>Trends in Biochemical Sciences</i> , 2011, 36, 470-477.	8.1	146
58	AMP-activated protein kinase: nature's energy sensor. <i>Nature Chemical Biology</i> , 2011, 7, 512-518.	7.3	346
59	Deletion of <i>Lkb1</i> in Pro-Opiomelanocortin Neurons Impairs Peripheral Glucose Homeostasis in Mice. <i>Diabetes</i> , 2011, 60, 735-745.	0.5	48
60	LKB1 Is an Essential Regulator of Spermatozoa Release during Spermiation in the Mammalian Testis. <i>PLoS ONE</i> , 2011, 6, e28306.	2.5	29
61	Loss of AMP-activated protein kinase $\alpha 2$ subunit in mouse $\beta 2$ -cells impairs glucose-stimulated insulin secretion and inhibits their sensitivity to hypoglycaemia. <i>Biochemical Journal</i> , 2010, 429, 323-333.	3.9	50
62	AMPK-independent down-regulation of cFLIP and sensitization to TRAIL-induced apoptosis by AMPK activators. <i>Biochemical Pharmacology</i> , 2010, 79, 853-863.	5.1	24
63	Regulation of ploidy and senescence by the AMPK-related kinase NIAK1. <i>EMBO Journal</i> , 2010, 29, 376-386.	7.4	90
64	Hypothalamic AMPK and fatty acid metabolism mediate thyroid regulation of energy balance. <i>Nature Medicine</i> , 2010, 16, 1001-1008.	25.6	541
65	Activation of AMP-activated Protein Kinase by Vascular Endothelial Growth Factor Mediates Endothelial Angiogenesis Independently of Nitric-oxide Synthase. <i>Journal of Biological Chemistry</i> , 2010, 285, 10638-10652.	2.3	74
66	Characterization of an Alternative Splice Variant of LKB1. <i>Journal of Biological Chemistry</i> , 2009, 284, 67-76.	2.3	32
67	Determination of AMP-activated protein kinase phosphorylation sites in recombinant protein expressed using the pET28a vector: A cautionary tale. <i>Protein Expression and Purification</i> , 2009, 66, 181-184.	1.3	3
68	Hypothalamic Fatty Acid Metabolism Mediates the Orexigenic Action of Ghrelin. <i>Cell Metabolism</i> , 2008, 7, 389-399.	26.3	374
69	Investigating the Regulation of Brain-specific Kinases 1 and 2 by Phosphorylation. <i>Journal of Biological Chemistry</i> , 2008, 283, 14946-14954.	2.3	46
70	Adenosine 5'-Monophosphate-Activated Protein Kinase Promotes Macrophage Polarization to an Anti-Inflammatory Functional Phenotype. <i>Journal of Immunology</i> , 2008, 181, 8633-8641.	0.6	610
71	Muscarinic Receptor Activation of AMP-activated Protein Kinase Inhibits Orexigenic Neuropeptide mRNA Expression. <i>Journal of Biological Chemistry</i> , 2008, 283, 17116-17122.	2.3	27
72	Defining the Mechanism of Activation of AMP-activated Protein Kinase by the Small Molecule A-769662, a Member of the Thienopyridone Family. <i>Journal of Biological Chemistry</i> , 2007, 282, 32539-32548.	2.3	275

#	ARTICLE	IF	CITATIONS
73	Adiponectin-Induced Endothelial Nitric Oxide Synthase Activation and Nitric Oxide Production Are Mediated by APPL1 in Endothelial Cells. <i>Diabetes</i> , 2007, 56, 1387-1394.	0.5	273
74	Low Utilization of Circulating Glucose after Food Withdrawal in Snell Dwarf Mice. <i>Journal of Biological Chemistry</i> , 2007, 282, 35069-35077.	2.3	42
75	A Conserved Sequence Immediately N-terminal to the Bateman Domains in AMP-activated Protein Kinase $\hat{\beta}^3$ Subunits Is Required for the Interaction with the $\hat{\beta}^2$ Subunits. <i>Journal of Biological Chemistry</i> , 2007, 282, 16117-16125.	2.3	24
76	Investigating the mechanism for AMP activation of the AMP-activated protein kinase cascade. <i>Biochemical Journal</i> , 2007, 403, 139-148.	3.9	535
77	The Role of the AMP-Activated Protein Kinase in the Regulation of Energy Homeostasis. <i>Novartis Foundation Symposium</i> , 2007, , 72-85.	1.0	35
78	Phospho-Dependent Functional Modulation of GABAB Receptors by the Metabolic Sensor AMP-Dependent Protein Kinase. <i>Neuron</i> , 2007, 53, 233-247.	12.8	158
79	S6 Kinase Deletion Suppresses Muscle Growth Adaptations to Nutrient Availability by Activating AMP Kinase. <i>Cell Metabolism</i> , 2007, 5, 476-487.	26.3	152
80	Structural basis for AMP binding to mammalian AMP-activated protein kinase. <i>Nature</i> , 2007, 449, 496-500.	40.1	475
81	AMPK is essential for energy homeostasis regulation and glucose sensing by POMC and AgRP neurons. <i>Journal of Clinical Investigation</i> , 2007, 117, 2325-2336.	9.1	408
82	AMP-activated protein kinase and the regulation of energy metabolism. <i>FASEB Journal</i> , 2007, 21, .	0.7	0
83	Tumor necrosis factor $\hat{\alpha}$ -induced skeletal muscle insulin resistance involves suppression of AMP-kinase signaling. <i>Cell Metabolism</i> , 2006, 4, 465-474.	26.3	345
84	LKB1: a sweet side to Peutz-Jeghers syndrome?. <i>Trends in Molecular Medicine</i> , 2006, 12, 144-147.	10.0	22
85	CNTF reverses obesity-induced insulin resistance by activating skeletal muscle AMPK. <i>Nature Medicine</i> , 2006, 12, 541-548.	25.6	232
86	Activation of AMPK $\hat{\alpha}$ - and $\hat{\beta}^3$ -isoform complexes in the intact ischemic rat heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H1927-H1934.	3.9	56
87	Thrombin Activates AMP-Activated Protein Kinase in Endothelial Cells via a Pathway Involving Ca ²⁺ /Calmodulin-Dependent Protein Kinase Kinase $\hat{\beta}^2$. <i>Molecular and Cellular Biology</i> , 2006, 26, 5933-5945.	2.5	187
88	Characterization of the role of $\hat{\beta}^2$ R531G mutation in AMP-activated protein kinase in cardiac hypertrophy and Wolff-Parkinson-White syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 290, H1942-H1951.	3.9	73
89	Insulin Antagonizes Ischemia-induced Thr172 Phosphorylation of AMP-activated Protein Kinase $\hat{\alpha}$ -Subunits in Heart via Hierarchical Phosphorylation of Ser485/491. <i>Journal of Biological Chemistry</i> , 2006, 281, 5335-5340.	2.3	292
90	Transgenic Mouse Model of Ventricular Preexcitation and Atrioventricular Reentrant Tachycardia Induced by an AMP-Activated Protein Kinase Loss-of-Function Mutation Responsible for Wolff-Parkinson-White Syndrome. <i>Circulation</i> , 2005, 111, 21-29.	19.4	133

#	ARTICLE	IF	CITATIONS
91	Exercise in rats does not alter hypothalamic AMP-activated protein kinase activity. <i>Biochemical and Biophysical Research Communications</i> , 2005, 329, 719-725.	2.1	27
92	AMP-activated protein kinase: Ancient energy gauge provides clues to modern understanding of metabolism. <i>Cell Metabolism</i> , 2005, 1, 15-25.	26.3	2,337
93	Ca ²⁺ /calmodulin-dependent protein kinase kinase- β^2 acts upstream of AMP-activated protein kinase in mammalian cells. <i>Cell Metabolism</i> , 2005, 2, 21-33.	26.3	1,144
94	AMP-activated protein kinase: balancing the scales. <i>Biochimie</i> , 2005, 87, 87-91.	3.0	168
95	Neuregulin Signaling on Glucose Transport in Muscle Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 12260-12268.	2.3	56
96	Thr2446 Is a Novel Mammalian Target of Rapamycin (mTOR) Phosphorylation Site Regulated by Nutrient Status. <i>Journal of Biological Chemistry</i> , 2004, 279, 15719-15722.	2.3	261
97	AMP-activated Protein Kinase Plays a Role in the Control of Food Intake. <i>Journal of Biological Chemistry</i> , 2004, 279, 12005-12008.	2.3	603
98	Covalent activation of heart AMP-activated protein kinase in response to physiological concentrations of long-chain fatty acids. <i>FEBS Journal</i> , 2004, 271, 2215-2224.	0.3	85
99	Cellular energy sensor balances the scales. <i>Nature Medicine</i> , 2004, 10, 681-682.	25.6	8
100	The AMP-activated protein kinase cascade – a unifying system for energy control. <i>Trends in Biochemical Sciences</i> , 2004, 29, 18-24.	8.1	953
101	AMPK. <i>Current Biology</i> , 2004, 14, R220.	3.9	31
102	Metabolic and mitogenic signal transduction in human skeletal muscle after intense cycling exercise. <i>Journal of Physiology</i> , 2003, 546, 327-335.	3.2	121
103	Mammalian AMP-activated protein kinase: functional, heterotrimeric complexes by co-expression of subunits in <i>Escherichia coli</i> . <i>Protein Expression and Purification</i> , 2003, 30, 230-237.	1.3	122
104	Regulation of Glycogen Synthase by Glucose and Glycogen: A Possible Role for AMP-Activated Protein Kinase. <i>Diabetes</i> , 2003, 52, 9-15.	0.5	86
105	Identification of Phosphorylation Sites in AMP-activated Protein Kinase (AMPK) for Upstream AMPK Kinases and Study of Their Roles by Site-directed Mutagenesis. <i>Journal of Biological Chemistry</i> , 2003, 278, 28434-28442.	2.3	201
106	Increased AMP:ATP Ratio and AMP-activated Protein Kinase Activity during Cellular Senescence Linked to Reduced HuR Function. <i>Journal of Biological Chemistry</i> , 2003, 278, 27016-27023.	2.3	211
107	Activation of yeast Snf1 and mammalian AMP-activated protein kinase by upstream kinases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 8839-8843.	7.7	491
108	The AMP-activated protein kinase β^2 catalytic subunit controls whole-body insulin sensitivity. <i>Journal of Clinical Investigation</i> , 2003, 111, 91-98.	9.1	428

#	ARTICLE	IF	CITATIONS
109	Functional Analysis of Mutations in the $\hat{\alpha}$ 2 Subunit of AMP-activated Protein Kinase Associated with Cardiac Hypertrophy and Wolff-Parkinson-White Syndrome. <i>Journal of Biological Chemistry</i> , 2002, 277, 51017-51024.	2.3	101
110	Hyperglycemia-Induced Apoptosis in Human Umbilical Vein Endothelial Cells: Inhibition by the AMP-Activated Protein Kinase Activation. <i>Diabetes</i> , 2002, 51, 159-167.	0.5	299
111	Isoform-Specific Regulation of 5' AMP-Activated Protein Kinase in Skeletal Muscle From Obese Zucker (fa/fa) Rats in Response to Contraction. <i>Diabetes</i> , 2002, 51, 2703-2708.	0.5	46
112	AMP-Activated Kinase Regulates Cytoplasmic HuR. <i>Molecular and Cellular Biology</i> , 2002, 22, 3425-3436.	2.5	190
113	Characterization of the role of the AMP-activated protein kinase in the stimulation of glucose transport in skeletal muscle cells. <i>Biochemical Journal</i> , 2002, 363, 167.	3.9	94
114	Expression and regulation of the AMP-activated protein kinase α -SNF1 (sucrose non-fermenting 1) kinase complexes in yeast and mammalian cells: studies using chimaeric catalytic subunits. <i>Biochemical Journal</i> , 2002, 365, 629-638.	3.9	21
115	Characterization of the role of the AMP-activated protein kinase in the stimulation of glucose transport in skeletal muscle cells. <i>Biochemical Journal</i> , 2002, 363, 167-174.	3.9	148
116	Protein kinase inhibitors block the stimulation of the AMP-activated protein kinase by 5-amino-4-imidazolecarboxamide riboside. <i>FEBS Letters</i> , 2002, 531, 189-192.	2.8	63
117	Evidence for involvement of protein kinase C in glucose induction of genes and derepression of. <i>FEMS Yeast Research</i> , 2002, 2, 93-102.	2.5	0
118	The Anti-diabetic Drugs Rosiglitazone and Metformin Stimulate AMP-activated Protein Kinase through Distinct Signaling Pathways. <i>Journal of Biological Chemistry</i> , 2002, 277, 25226-25232.	2.3	854
119	The AMP-Activated Protein Kinase Is Involved in the Regulation of Ketone Body Production by Astrocytes. <i>Journal of Neurochemistry</i> , 2002, 73, 1674-1682.	4.0	107
120	Leptin stimulates fatty-acid oxidation by activating AMP-activated protein kinase. <i>Nature</i> , 2002, 415, 339-343.	40.1	1,705
121	Activation of GLUT1 by metabolic and osmotic stress: potential involvement of AMP-activated protein kinase (AMPK). <i>Journal of Cell Science</i> , 2002, 115, 2433-2442.	3.2	228
122	The regulation of AMP-activated protein kinase by phosphorylation. <i>Biochemical Journal</i> , 2000, 345, 437.	3.9	141
123	Characterization of AMP-activated protein kinase $\hat{\alpha}$ 3-subunit isoforms and their role in AMP binding. <i>Biochemical Journal</i> , 2000, 346, 659.	3.9	135
124	The regulation of AMP-activated protein kinase by phosphorylation. <i>Biochemical Journal</i> , 2000, 345, 437-443.	3.9	497
125	Phosphorylation and activation of heart PFK-2 by AMPK has a role in the stimulation of glycolysis during ischaemia. <i>Current Biology</i> , 2000, 10, 1247-1255.	3.9	677
126	Characterization of AMP-activated protein kinase $\hat{\alpha}$ 3-subunit isoforms and their role in AMP binding. <i>Biochemical Journal</i> , 2000, 346, 659-669.	3.9	508

#	ARTICLE	IF	CITATIONS
127	Characterization of the Role of AMP-Activated Protein Kinase in the Regulation of Glucose-Activated Gene Expression Using Constitutively Active and Dominant Negative Forms of the Kinase. <i>Molecular and Cellular Biology</i> , 2000, 20, 6704-6711.	2.5	354
128	The SNF1 kinase complex from <i>Saccharomyces cerevisiae</i> phosphorylates the transcriptional repressor protein Mig1p in vitro at four sites within or near regulatory domain 1. <i>FEBS Letters</i> , 1999, 453, 219-223.	2.8	82
129	Dual regulation of the AMP-activated protein kinase provides a novel mechanism for the control of creatine kinase in skeletal muscle. <i>EMBO Journal</i> , 1998, 17, 1688-1699.	7.4	268
130	Evidence that the AMP-activated protein kinase stimulates rat liver carnitine palmitoyltransferase I by phosphorylating cytoskeletal components. <i>FEBS Letters</i> , 1998, 439, 317-320.	2.8	38
131	THE AMP-ACTIVATED/SNF1 PROTEIN KINASE SUBFAMILY: Metabolic Sensors of the Eukaryotic Cell?. <i>Annual Review of Biochemistry</i> , 1998, 67, 821-855.	18.3	1,279
132	AMP-activated Protein Kinase Inhibits the Glucose-activated Expression of Fatty Acid Synthase Gene in Rat Hepatocytes. <i>Journal of Biological Chemistry</i> , 1998, 273, 14767-14771.	2.3	207
133	Identification of a Novel AMP-activated Protein Kinase β Subunit Isoform That Is Highly Expressed in Skeletal Muscle. <i>Journal of Biological Chemistry</i> , 1998, 273, 12443-12450.	2.3	202
134	AMP-activated protein kinase: greater AMP dependence, and preferential nuclear localization, of complexes containing the β isoform. <i>Biochemical Journal</i> , 1998, 334, 177-187.	3.9	375
135	139 IDENTIFICATION OF A NOVEL AMPK β SUBUNIT THAT IS HIGHLY EXPRESSED IN SKELETAL MUSCLE. <i>Biochemical Society Transactions</i> , 1997, 25, S667-S667.	4.2	3
136	140 Interaction of AMP-activated protein kinase subunits in the heterotrimeric complex and with their yeast homologues. <i>Biochemical Society Transactions</i> , 1997, 25, S668-S668.	4.2	2
137	Identification of Raf-1 Ser621 kinase activity from NIH 3T3 cells as AMP-activated protein kinase. <i>FEBS Letters</i> , 1997, 403, 254-258.	2.8	57
138	The AMP-Activated Protein Kinase. Fuel Gauge of the Mammalian Cell?. <i>FEBS Journal</i> , 1997, 246, 259-273.	0.3	1,114
139	The α 1 and α 2 isoforms of the AMP-activated protein kinase have similar activities in rat liver but exhibit differences in substrate specificity in vitro. <i>FEBS Letters</i> , 1996, 397, 347-351.	2.8	234
140	Biochemical characterization and deletion analysis of recombinant human protein phosphatase 2C α . <i>Biochemical Journal</i> , 1996, 320, 801-806.	3.9	77
141	Characterization of the AMP-activated Protein Kinase Kinase from Rat Liver and Identification of Threonine 172 as the Major Site at Which It Phosphorylates AMP-activated Protein Kinase. <i>Journal of Biological Chemistry</i> , 1996, 271, 27879-27887.	2.3	1,021
142	Characterization of AMP-activated Protein Kinase β and β Subunits. <i>Journal of Biological Chemistry</i> , 1996, 271, 10282-10290.	2.3	200
143	The AMP-activated Protein Kinase Gene is Highly Expressed in Rat Skeletal Muscle. Alternative Splicing and Tissue Distribution of the mRNA. <i>FEBS Journal</i> , 1995, 228, 236-243.	0.3	9
144	5 α -AMP Activates the AMP-activated Protein Kinase Cascade, and Ca ²⁺ /Calmodulin Activates the Calmodulin-dependent Protein Kinase I Cascade, via Three Independent Mechanisms. <i>Journal of Biological Chemistry</i> , 1995, 270, 27186-27191.	2.3	360

#	ARTICLE	IF	CITATIONS
145	AMPK. , 1995, , 171-173.		0
146	Roles of the Snf1/Rkin1/AMP-activated protein kinase family in the response to environmental and nutritional stress. <i>Seminars in Cell Biology</i> , 1994, 5, 409-416.	3.6	86
147	Purification of the AMP-activated protein kinase on ATP-gamma-Sepharose and analysis of its subunit structure. <i>FEBS Journal</i> , 1994, 223, 351-357.	0.3	129
148	Characterization of 5â€²-AMP-Activated Protein Kinase in Human Liver Using Specific Peptide Substrates and the Effects of 5â€²-AMP Analogues on Enzyme Activity. <i>Biochemical and Biophysical Research Communications</i> , 1994, 200, 1551-1556.	2.1	75
149	Inhibition of lipolysis and lipogenesis in isolated rat adipocytes with AICAR, a cell-permeable activator of AMP-activated protein kinase. <i>FEBS Letters</i> , 1994, 353, 33-36.	2.8	402
150	Molecular cloning, expression and chromosomal localisation of human AMP-activated protein kinase. <i>FEBS Letters</i> , 1994, 356, 117-121.	2.8	34
151	Diurnal rhythm of phosphorylation of rat liver acetyl - CoA carboxylase by the AMP-activated protein kinase, demonstrated using freeze-clamping. Effects of high fat diets. <i>FEBS Journal</i> , 1992, 203, 615-623.	0.3	142
152	[29] Adenosine monophosphate-activated protein kinase: Hydroxymethylglutaryl-CoA reductase kinase. <i>Methods in Enzymology</i> , 1991, , 362-371.	1.0	10
153	Phosphorylation of bovine hormone-sensitive lipase by the AMP-activated protein kinase. A possible antilipolytic mechanism. <i>FEBS Journal</i> , 1989, 179, 249-254.	0.3	234
154	Tissue distribution of the AMP-activated protein kinase, and lack of activation by cyclic-AMP-dependent protein kinase, studied using a specific and sensitive peptide assay. <i>FEBS Journal</i> , 1989, 186, 123-128.	0.3	384
155	Purification and characterization of the AMP-activated protein kinase. Copurification of acetyl-CoA carboxylase kinase and 3-hydroxy-3-methylglutaryl-CoA reductase kinase activities. <i>FEBS Journal</i> , 1989, 186, 129-136.	0.3	350
156	Effects of the tumour promoter okadaic acid on intracellular protein phosphorylation and metabolism. <i>Nature</i> , 1989, 337, 78-81.	40.1	810
157	The AMP-activated protein kinase: a multisubstrate regulator of lipid metabolism. <i>Trends in Biochemical Sciences</i> , 1989, 14, 20-23.	8.1	163
158	The substrate and sequence specificity of the AMP-activated protein kinase. Phosphorylation of glycogen synthase and phosphorylase kinase. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1989, 1012, 81-86.	3.6	243
159	Identification by amino acid sequencing of three major regulatory phosphorylation sites on rat acetyl-CoA carboxylase. <i>FEBS Journal</i> , 1988, 175, 331-338.	0.3	242
160	Negative interactions between phosphorylation of acetyl-CoA carboxylase by the cyclic AMP-dependent and AMP-activated protein kinases. <i>FEBS Letters</i> , 1988, 235, 144-148.	2.8	38
161	A common bicyclic protein kinase cascade inactivates the regulatory enzymes of fatty acid and cholesterol biosynthesis. <i>FEBS Letters</i> , 1987, 223, 217-222.	2.8	465
162	Isolation of a cyclic-AMP-independent protein kinase from rat liver and its effect on the enzymic activity of acetyl-CoA carboxylase. <i>Biochemical Society Transactions</i> , 1986, 14, 1076-1077.	4.2	12

#	ARTICLE	IF	CITATIONS
163	Characterization of the phosphorylation of rat mammary ATP-citrate lyase and acetyl-CoA carboxylase by Ca ²⁺ and calmodulin-dependent multiprotein kinase and Ca ²⁺ and phospholipid-dependent protein kinase. FEBS Journal, 1986, 157, 553-561.	0.3	26