Marc Foretz

List of Publications by Year
in descending order

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Version: 2024-02-01

174 papers	21,354 citations	9786 73 h-index	9861 141 g-index
197 all docs	197 docs citations	197 times ranked	28009 citing authors

#	Article	IF	Citations
1	Cellular and molecular mechanisms of metformin: an overview. Clinical Science, 2012, 122, 253-270.	4.3	1,337
2	Metformin: From Mechanisms of Action to Therapies. Cell Metabolism, 2014, 20, 953-966.	16.2	1,019
3	Metformin inhibits hepatic gluconeogenesis in mice independently of the LKB1/AMPK pathway via a decrease in hepatic energy state. Journal of Clinical Investigation, 2010, 120, 2355-2369.	8.2	1,001
4	Biguanides suppress hepatic glucagon signalling by decreasing production of cyclic AMP. Nature, 2013, 494, 256-260.	27.8	707
5	Sterol regulatory element binding protein-1c is a major mediator of insulin action on the hepatic expression of glucokinase and lipogenesis-related genes. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 12737-12742.	7.1	641
6	AMP-Activated Protein Kinaseâ€“Deficient Mice Are Resistant to the Metabolic Effects of Resveratrol. Diabetes, 2010, 59, 554-563.	0.6	595
7	Anti-Inflammatory Effects of Metformin Irrespective of Diabetes Status. Circulation Research, 2016, 119, 652-665.	4.5	498
8	Mitochondrial fission and remodelling contributes to muscle atrophy. EMBO Journal, 2010, 29, 1774-1785.	7.8	494
9	ADD1/SREBP-1c Is Required in the Activation of Hepatic Lipogenic Gene Expression by Glucose. Molecular and Cellular Biology, 1999, 19, 3760-3768.	2.3	491
10	Activation of AMP-activated protein kinase in the liver: a new strategy for the management of metabolic hepatic disorders. Journal of Physiology, 2006, 574, 41-53.	2.9	457
11	AMPâ€activated protein kinase in the regulation of hepatic energy metabolism: from physiology to therapeutic perspectives. Acta Physiologica, 2009, 196, 81-98.	3.8	401
12	5â€²-AMP-Activated Protein Kinase (AMPK) Is Induced by Low-Oxygen and Glucose Deprivation Conditions Found in Solid-Tumor Microenvironments. Molecular and Cellular Biology, 2006, 26, 5336-5347.	2.3	395
13	Understanding the glucoregulatory mechanisms of metformin in type 2 diabetes mellitus. Nature Reviews Endocrinology, 2019, 15, 569-589.	9.6	391
14	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. Molecular and Cellular Biology, 2000, 20, 6704-6711.	2.3	376
15	Mechanism of Action of A-769662, a Valuable Tool for Activation of AMP-activated Protein Kinase. Journal of Biological Chemistry, 2007, 282, 32549-32560.	3.4	376
16	AMPKÎ±1 Regulates Macrophage Skewing at the Time of Resolution of Inflammation during Skeletal Muscle Regeneration. Cell Metabolism, 2013, 18, 251-264.	16.2	375
17	Short-Term Overexpression of a Constitutively Active Form of AMP-Activated Protein Kinase in the Liver Leads to Mild Hypoglycemia and Fatty Liver. Diabetes, 2005, 54, 1331-1339.	0.6	346
18	AMPK inhibition in health and disease. Critical Reviews in Biochemistry and Molecular Biology, 2010, 45, 276-295.	5.2	330

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19	AMPK in skeletal muscle function and metabolism. FASEB Journal, 2018, 32, 1741-1777.	0.5	289
20	Intestinal Gluconeogenesis Is a Key Factor for Early Metabolic Changes after Gastric Bypass but Not after Gastric Lap-Band in Mice. Cell Metabolism, 2008, 8, 201-211.	16.2	270
21	A role for AMP-activated protein kinase in diabetes-induced renal hypertrophy. American Journal of Physiology - Renal Physiology, 2007, 292, F617-F627.	2.7	253
22	AMPK: Lessons from transgenic and knockout animals. Frontiers in Bioscience - Landmark, 2009, Volume, 19.	3.0	248
23	Maintenance of Metabolic Homeostasis by Sestrin2 and Sestrin3. Cell Metabolism, 2012, 16, 311-321.	16.2	242
24	Insulin effects on sterol regulatory-element-binding protein-1c (SREBP-1c) transcriptional activity in rat hepatocytes. Biochemical Journal, 2000, 350, 389-393.	3.7	236
25	Targeting the AMPK pathway for the treatment of Type 2 diabetes. Frontiers in Bioscience - Landmark, 2009, Volume, 3380.	3.0	227
26	Metformin activates AMP-activated protein kinase in primary human hepatocytes by decreasing cellular energy status. Diabetologia, 2011, 54, 3101-3110.	6.3	226
27	AMP-activated Protein Kinase Inhibits the Glucose-activated Expression of Fatty Acid Synthase Gene in Rat Hepatocytes. Journal of Biological Chemistry, 1998, 273, 14767-14771.	3.4	217
28	Liver Adenosine Monophosphate-Activated Kinase-Î±2 Catalytic Subunit Is a Key Target for the Control of Hepatic Glucose Production by Adiponectin and Leptin But Not Insulin. Endocrinology, 2006, 147, 2432-2441.	2.8	216
29	Activation of 5â€²-AMP-activated Kinase with Diabetes Drug Metformin Induces Casein Kinase IÉ› (CKIÉ›)-dependent Degradation of Clock Protein mPer2. Journal of Biological Chemistry, 2007, 282, 20794-20798.	3.4	212
30	Activation of Skeletal Muscle AMPK Promotes Glucose Disposal and Glucose Lowering in Non-human Primates and Mice. Cell Metabolism, 2017, 25, 1147-1159.e10.	16.2	205
31	Regulation of glucagon secretion by glucose transporter type 2 (glut2) and astrocyte-dependent glucose sensors. Journal of Clinical Investigation, 2005, 115, 3545-3553.	8.2	203
32	<scp>AMPK</scp>Î±1: A glucose sensor that controls <scp>CD</scp>8 <scp>T</scp>â€cell memory. European Journal of Immunology, 2013, 43, 889-896.	2.9	201
33	AMPK/Î±-Ketoglutarate Axis Dynamically Mediates DNA Demethylation in the Prdm16 Promoter and Brown Adipogenesis. Cell Metabolism, 2016, 24, 542-554.	16.2	195
34	AMPK controls exercise endurance, mitochondrial oxidative capacity, and skeletal muscle integrity. FASEB Journal, 2014, 28, 3211-3224.	0.5	182
35	The LKB1/AMPK signaling pathway has tumor suppressor activity in acute myeloid leukemia through the repression of mTOR-dependent oncogenic mRNA translation. Blood, 2010, 116, 4262-4273.	1.4	173
36	5-Aminoimidazole-4-Carboxamide-1-Â-D-Ribofuranoside and Metformin Inhibit Hepatic Glucose Phosphorylation by an AMP-Activated Protein Kinase-Independent Effect on Glucokinase Translocation. Diabetes, 2006, 55, 865-874.	0.6	171

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37	S6 Kinase Deletion Suppresses Muscle Growth Adaptations to Nutrient Availability by Activating AMP Kinase. Cell Metabolism, 2007, 5, 476-487.	16.2	163
38	Targeting AMP-activated protein kinase asÂaÂnovel therapeutic approach forÂtheÂtreatment ofÂmetabolic disorders. Diabetes and Metabolism, 2007, 33, 395-402.	2.9	156
39	Adiponectin suppresses gluconeogenic gene expression in mouse hepatocytes independent of LKB1-AMPK signaling. Journal of Clinical Investigation, 2011, 121, 2518-2528.	8.2	147
40	Activation of AMPKÎ±2 in adipocytes is essential for nicotine-induced insulin resistance in vivo. Nature Medicine, 2015, 21, 373-382.	30.7	143
41	Motif affinity and mass spectrometry proteomic approach for the discovery of cellular AMPK targets: Identification of mitochondrial fission factor as a new AMPK substrate. Cellular Signalling, 2015, 27, 978-988.	3.6	143
42	Enhanced Muscle Insulin Sensitivity After Contraction/Exercise Is Mediated by AMPK. Diabetes, 2017, 66, 598-612.	0.6	137
43	AMPK Re-Activation Suppresses Hepatic Steatosis but its Downregulation Does Not Promote Fatty Liver Development. EBioMedicine, 2018, 28, 194-209.	6.1	136
44	The LKB1-salt-inducible kinase pathway functions as a key gluconeogenic suppressor in the liver. Nature Communications, 2014, 5, 4535.	12.8	131
45	PPARÎ³ contributes to PKM2 and HK2 expression in fatty liver. Nature Communications, 2012, 3, 672.	12.8	127
46	Obesity Impairs Skeletal Muscle Regeneration Through Inhibition of AMPK. Diabetes, 2016, 65, 188-200.	0.6	127
47	SIKs control osteocyte responses to parathyroid hormone. Nature Communications, 2016, 7, 13176.	12.8	124
48	Hepatic glucose sensing is required to preserve Î² cell glucose competence. Journal of Clinical Investigation, 2013, 123, 1662-1676.	8.2	118
49	Evidence From Glut2-Null Mice That Glucose Is a Critical Physiological Regulator of Feeding. Diabetes, 2006, 55, 988-995.	0.6	117
50	AMPK antagonizes hepatic glucagon-stimulated cyclic AMP signalling via phosphorylation-induced activation of cyclic nucleotide phosphodiesterase 4B. Nature Communications, 2016, 7, 10856.	12.8	117
51	AMP-activated Protein Kinase Inhibits Transforming Growth Factor-Î²-induced Smad3-dependent Transcription and Myofibroblast Transdifferentiation. Journal of Biological Chemistry, 2008, 283, 10461-10469.	3.4	115
52	AMPK Regulates Circadian Rhythms in a Tissue- and Isoform-Specific Manner. PLoS ONE, 2011, 6, e18450.	2.5	113
53	AMPK Activation by Oncogenesis Is Required to Maintain Cancer Cell Proliferation in Astrocytic Tumors. Cancer Research, 2013, 73, 2628-2638.	0.9	112
54	Expanding roles for AMPK in skeletal muscle plasticity. Trends in Endocrinology and Metabolism, 2015, 26, 275-286.	7.1	111

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55	Important role for AMPKÎ±I in limiting skeletal muscle cell hypertrophy. FASEB Journal, 2009, 23, 2264-2273.	0.5	106
56	LKB1 and AMPK regulate synaptic remodeling in old age. Nature Neuroscience, 2014, 17, 1190-1197.	14.8	106
57	Mechanism of Action of Compound-13: An Î±1-Selective Small Molecule Activator of AMPK. Chemistry and Biology, 2014, 21, 866-879.	6.0	103
58	AMP-activated protein kinase-independent inhibition of hepatic mitochondrial oxidative phosphorylation by AICA riboside. Biochemical Journal, 2007, 404, 499-507.	3.7	100
59	TIM-4 Glycoprotein-Mediated Degradation of Dying Tumor Cells by Autophagy Leads to Reduced Antigen Presentation and Increased Immune Tolerance. Immunity, 2013, 39, 1070-1081.	14.3	100
60	Metabolic and Innate Immune Cues Merge into a Specific Inflammatory Response via the UPR. Cell, 2019, 177, 1201-1216.e19.	28.9	100
61	AMP-activated protein kinase phosphorylates and inactivates liver glycogen synthase. Biochemical Journal, 2012, 443, 193-203.	3.7	98
62	AMPK Activation Reduces Hepatic Lipid Content by Increasing Fat Oxidation In Vivo. International Journal of Molecular Sciences, 2018, 19, 2826.	4.1	98
63	Leishmania infantum Modulates Host Macrophage Mitochondrial Metabolism by Hijacking the SIRT1-AMPK Axis. PLoS Pathogens, 2015, 11, e1004684.	4.7	96
64	<scp>AMPK</scp>Î±1â€<scp>LDH</scp> pathway regulates muscle stem cell selfâ€renewal by controlling metabolic homeostasis. EMBO Journal, 2017, 36, 1946-1962.	7.8	95
65	Co-activation of AMPK and mTORC1 Induces Cytotoxicity in Acute Myeloid Leukemia. Cell Reports, 2015, 11, 1446-1457.	6.4	93
66	Salt-Inducible Kinases: Physiology, Regulation by cAMP, and Therapeutic Potential. Trends in Endocrinology and Metabolism, 2018, 29, 723-735.	7.1	92
67	Intramyocellular lipid accumulation is associated with permanent relocation ex vivo and in vitro of fatty acid translocase (FAT)/CD36 in obese patients. Diabetologia, 2010, 53, 1151-1163.	6.3	90
68	Regulation of hepatic metabolism by AMPK. Journal of Hepatology, 2011, 54, 827-829.	3.7	90
69	Coordinated maintenance of muscle cell size control by AMPâ€activated protein kinase. FASEB Journal, 2010, 24, 3555-3561.	0.5	88
70	The PRKAA1/AMPKÎ±1 pathway triggers autophagy during CSF1-induced human monocyte differentiation and is a potential target in CMML. Autophagy, 2015, 11, 1114-1129.	9.1	86
71	Sterol Regulatory Element-binding Protein-1c Mimics the Negative Effect of Insulin on Phosphoenolpyruvate Carboxykinase (GTP) Gene Transcription. Journal of Biological Chemistry, 2001, 276, 34816-34823.	3.4	85
72	Stimulation of AMP-Activated Protein Kinase Is Essential for the Induction of Drug Metabolizing Enzymes by Phenobarbital in Human and Mouse Liver. Molecular Pharmacology, 2006, 70, 1925-1934.	2.3	84

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73	Induction of fatty acid synthase and S14 gene expression by glucose, xylitol and dihydroxyacetone in cultured rat hepatocytes is closely correlated with glucose 6-phosphate concentrations. Biochemical Journal, 1997, 326, 345-349.	3.7	80
74	Inactivation of AMPKÎ±1 Induces Asthenozoospermia and Alters Spermatozoa Morphology. Endocrinology, 2012, 153, 3468-3481.	2.8	78
75	Antagonistic control of muscle cell size by AMPK and mTORC1. Cell Cycle, 2011, 10, 2640-2646.	2.6	75
76	Peroxisome Proliferator-Activated Receptor-Î±-Null Mice Have Increased White Adipose Tissue Glucose Utilization, GLUT4, and Fat Mass: Role in Liver and Brain. Endocrinology, 2006, 147, 4067-4078.	2.8	73
77	Salt-inducible kinase 2 regulates CRTCs, HDAC4 and glucose uptake in adipocytes. Journal of Cell Science, 2015, 128, 472-86.	2.0	71
78	A small-molecule benzimidazole derivative that potently activates AMPK to increase glucose transport in skeletal muscle: comparison with effects of contraction and other AMPK activators. Biochemical Journal, 2014, 460, 363-375.	3.7	71
79	Glut2â€dependent glucoseâ€sensing controls thermoregulation by enhancing the leptin sensitivity of NPY and POMC neurons. FASEB Journal, 2010, 24, 1747-1758.	0.5	69
80	Insulin effects on sterol regulatory-element-binding protein-1c (SREBP-1c) transcriptional activity in rat hepatocytes. Biochemical Journal, 2000, 350, 389.	3.7	67
81	AMPK and TBC1D1 Regulate Muscle Glucose Uptake After, but Not During, Exercise and Contraction. Diabetes, 2019, 68, 1427-1440.	0.6	67
82	Î±1AMP-Activated Protein Kinase Preserves Endothelial Function During Chronic Angiotensin II Treatment by Limiting Nox2 Upregulation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 560-566.	2.4	65
83	Promise and challenges for direct small molecule AMPK activators. Biochemical Pharmacology, 2018, 153, 147-158.	4.4	63
84	Nervous glucose sensing regulates postnatal Î² cell proliferation and glucose homeostasis. Journal of Clinical Investigation, 2014, 124, 413-424.	8.2	62
85	5-Aminoimidazole-4-carboxamide-1-Î²-d-ribofuranoside (AICAR) Effect on Glucose Production, but Not Energy Metabolism, Is Independent of Hepatic AMPK in Vivo. Journal of Biological Chemistry, 2014, 289, 5950-5959.	3.4	60
86	Exercise-induced molecular mechanisms promoting glycogen supercompensation in human skeletal muscle. Molecular Metabolism, 2018, 16, 24-34.	6.5	58
87	Revisiting the mechanisms of metformin action in the liver. Annales D'Endocrinologie, 2013, 74, 123-129.	1.4	57
88	AMP-Activated Protein Kinase Î±1 but Not Î±2 Catalytic Subunit Potentiates Myogenin Expression and Myogenesis. Molecular and Cellular Biology, 2013, 33, 4517-4525.	2.3	57
89	AMPK promotes induction of the tumor suppressor FLCN through activation of TFEB independently of mTOR. FASEB Journal, 2019, 33, 12374-12391.	0.5	57
90	Phenformin, But Not Metformin, Delays Development of T Cell Acute Lymphoblastic Leukemia/Lymphoma via Cell-Autonomous AMPK Activation. Cell Reports, 2019, 27, 690-698.e4.	6.4	54

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91	AMP-activated Protein Kinase Phosphorylates R5/PTG, the Glycogen Targeting Subunit of the R5/PTG-Protein Phosphatase 1 Holoenzyme, and Accelerates Its Down-regulation by the Laforin-Malin Complex. Journal of Biological Chemistry, 2009, 284, 8247-8255.	3.4	53
92	Benzimidazole derivative small-molecule 991 enhances AMPK activity and glucose uptake induced by AICAR or contraction in skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2016, 311, E706-E719.	3.5	53
93	AMP-activated Protein Kinase Suppresses Matrix Metalloproteinase-9 Expression in Mouse Embryonic Fibroblasts. Journal of Biological Chemistry, 2011, 286, 16030-16038.	3.4	50
94	Phosphatidylinositol 3-phosphate 5-kinase (PIKfyve) is an AMPK target participating in contraction-stimulated glucose uptake in skeletal muscle. Biochemical Journal, 2013, 455, 195-206.	3.7	50
95	Connection Between Cardiac Vascular Permeability, Myocardial Edema, and Inflammation During Sepsis. Critical Care Medicine, 2013, 41, e411-e422.	0.9	48
96	AMPK Activation through Mitochondrial Regulation Results in Increased Substrate Oxidation and Improved Metabolic Parameters in Models of Diabetes. PLoS ONE, 2013, 8, e81870.	2.5	48
97	Loss of hepatic AMP-activated protein kinase impedes the rate of glycogenolysis but not gluconeogenic fluxes in exercising mice. Journal of Biological Chemistry, 2017, 292, 20125-20140.	3.4	46
98	Impaired Glucose Homeostasis in Mice Lacking the Î±1b-Adrenergic Receptor Subtype. Journal of Biological Chemistry, 2004, 279, 1108-1115.	3.4	43
99	AMP-activated Protein Kinase Deficiency Blocks the Hypoxic Ventilatory Response and Thus Precipitates Hypoventilation and Apnea. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 1032-1043.	5.6	41
100	AMP-Activated Protein Kinase Î±1 Protects Against Diet-Induced Insulin Resistance and Obesity. Diabetes, 2012, 61, 3114-3125.	0.6	39
101	AMPKÎ±1 controls hepatocyte proliferation independently of energy balance by regulating Cyclin A2 expression. Journal of Hepatology, 2014, 60, 152-159.	3.7	38
102	AMPK Activation Promotes Tight Junction Assembly in Intestinal Epithelial Caco-2 Cells. International Journal of Molecular Sciences, 2019, 20, 5171.	4.1	38
103	AMP-activated protein kinase mediates myogenin expression and myogenesis via histone deacetylase 5. American Journal of Physiology - Cell Physiology, 2013, 305, C887-C895.	4.6	37
104	Direct AMPK Activation Corrects NASH in Rodents Through Metabolic Effects and Direct Action on Inflammation and Fibrogenesis. Hepatology Communications, 2022, 6, 101-119.	4.3	35
105	Increased FAT/CD36 Cycling and Lipid Accumulation in Myotubes Derived from Obese Type 2 Diabetic Patients. PLoS ONE, 2011, 6, e28981.	2.5	34
106	Specific deletion of AMP-activated protein kinase (Î±1AMPK) in mouse Sertoli cells modifies germ cell quality. Molecular and Cellular Endocrinology, 2016, 423, 96-112.	3.2	34
107	The AMPKγ1 subunit plays an essential role in erythrocyte membrane elasticity, and its genetic inactivation induces splenomegaly and anemia. FASEB Journal, 2011, 25, 337-347.	0.5	33
108	The AMPK-SIRT signaling network regulates glucose tolerance under calorie restriction conditions. Life Sciences, 2014, 100, 55-60.	4.3	33

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109	Polyunsaturated fatty acids inhibit fatty acid synthase and spot-14-protein gene expression in cultured rat hepatocytes by a peroxidative mechanism. Biochemical Journal, 1999, 341, 371-376.	3.7	32
110	Endothelial Î±1AMPK modulates angiotensin II-mediated vascular inflammation and dysfunction. Basic Research in Cardiology, 2019, 114, 8.	5.9	32
111	Inducible deletion of skeletal muscle AMPKÎ± reveals that AMPK is required for nucleotide balance but dispensable for muscle glucose uptake and fat oxidation during exercise. Molecular Metabolism, 2020, 40, 101028.	6.5	32
112	The inhibitory effect of glucose on phosphoenolpyruvate carboxykinase gene expression in cultured hepatocytes is transcriptional and requires glucose metabolism. FEBS Letters, 1999, 460, 527-532.	2.8	31
113	Adenosine-Mono-Phosphate-Activated Protein Kinase-Independent Effects of Metformin in T Cells. PLoS ONE, 2014, 9, e106710.	2.5	31
114	PRKAA1/AMPKÎ±1 is required for autophagy-dependent mitochondrial clearance during erythrocyte maturation. Autophagy, 2014, 10, 1522-1534.	9.1	31
115	Lipoprotein internalisation induced by oncogenic AMPK activation is essential to maintain glioblastoma cell growth. European Journal of Cancer, 2014, 50, 3187-3197.	2.8	28
116	Specific Deletion of AMP-Activated Protein Kinase (Î±1AMPK) in Murine Oocytes Alters Junctional Protein Expression and Mitochondrial Physiology. PLoS ONE, 2015, 10, e0119680.	2.5	28
117	AMPKÎ± is essential for acute exercise-induced gene responses but not for exercise training-induced adaptations in mouse skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E900-E914.	3.5	28
118	Salt-inducible kinases dictate parathyroid hormone 1 receptor action in bone development and remodeling. Journal of Clinical Investigation, 2019, 129, 5187-5203.	8.2	28
119	AMP-activated Protein Kinase As a Target For Pathogens: Friends Or Foes?. Current Drug Targets, 2016, 17, 942-953.	2.1	28
120	The stress polarity signaling (SPS) pathway serves as a marker and a target in the leaky gut barrier: implications in aging and cancer. Life Science Alliance, 2020, 3, e201900481.	2.8	28
121	Sterol-regulatory-element-binding protein I c mediates insulin action on hepatic gene expression. Biochemical Society Transactions, 2001, 29, 547-552.	3.4	27
122	Modifying the Dietary Carbohydrate-to-Protein Ratio Alters the Postprandial Macronutrient Oxidation Pattern in Liver of AMPK-Deficient Mice. Journal of Nutrition, 2017, 147, 1669-1676.	2.9	27
123	The LKB1â€“AMPK-Î±1 signaling pathway triggers hypoxic pulmonary vasoconstriction downstream of mitochondria. Science Signaling, 2018, 11, .	3.6	27
124	Abnormal metabolism flexibility in response to high palmitate concentrations in myotubes derived from obese type 2 diabetic patients. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2011, 1812, 423-430.	3.8	25
125	Maintenance of red blood cell integrity by AMPâ€activated protein kinase Î±1 catalytic subunit. FEBS Letters, 2010, 584, 3667-3671.	2.8	24
126	LKB1 and AMPKÎ±1 are required in pancreatic alpha cells for the normal regulation of glucagon secretion and responses to hypoglycemia. Molecular Metabolism, 2015, 4, 277-286.	6.5	23

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127	Myeloid-Restricted AMPKÎ±1 Promotes Host Immunity and Protects against IL-12/23p40â€“Dependent Lung Injury during Hookworm Infection. Journal of Immunology, 2016, 196, 4632-4640.	0.8	23
128	LKB1 as a Gatekeeper of Hepatocyte Proliferation and Genomic Integrity during Liver Regeneration. Cell Reports, 2018, 22, 1994-2005.	6.4	23
129	Î±1AMPK deletion in myelomonocytic cells induces a pro-inflammatory phenotype and enhances angiotensin II-induced vascular dysfunction. Cardiovascular Research, 2018, 114, 1883-1893.	3.8	22
130	Metformin lowers glucose 6-phosphate in hepatocytes by activation of glycolysis downstream of glucose phosphorylation. Journal of Biological Chemistry, 2020, 295, 3330-3346.	3.4	22
131	Lkb1 suppresses amino acid-driven gluconeogenesis in the liver. Nature Communications, 2020, 11, 6127.	12.8	21
132	Transcriptional block of AMPK-induced autophagy promotes glutamate excitotoxicity in nutrient-deprived SH-SY5Y neuroblastoma cells. Cellular and Molecular Life Sciences, 2020, 77, 3383-3399.	5.4	20
133	Liver AMP-Activated Protein Kinase Is Unnecessary for Gluconeogenesis but Protects Energy State during Nutrient Deprivation. PLoS ONE, 2017, 12, e0170382.	2.5	20
134	Hypoglycemia-Sensing Neurons of the Ventromedial Hypothalamus Require AMPK-Induced Txn2 Expression but Are Dispensable for Physiological Counterregulation. Diabetes, 2020, 69, 2253-2266.	0.6	19
135	Chemical genetic screen identifies Gapex-5/GAPVD1 and STBD1 as novel AMPK substrates. Cellular Signalling, 2019, 57, 45-57.	3.6	18
136	Deletion of intestinal epithelial AMP-activated protein kinase alters distal colon permeability but not glucose homeostasis. Molecular Metabolism, 2021, 47, 101183.	6.5	17
137	Polyunsaturated fatty acids inhibit fatty acid synthase and spot-14-protein gene expression in cultured rat hepatocytes by a peroxidative mechanism. Biochemical Journal, 1999, 341, 371.	3.7	16
138	Inhibition of mitochondrial complex 1 by the S6K1 inhibitor PF-4708671 partly contributes to its glucose metabolic effects in muscle and liver cells. Journal of Biological Chemistry, 2019, 294, 12250-12260.	3.4	16
139	Metformin reduces macrophage HIF1Î±-dependent proinflammatory signaling to restore brown adipocyte function in vitro. Redox Biology, 2021, 48, 102171.	9.0	15
140	Overexpression of AMP-activated protein kinase or protein kinase D prevents lipid-induced insulin resistance in cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2013, 55, 165-173.	1.9	14
141	Metformin takes a new route to clinical efficacy. Nature Reviews Endocrinology, 2015, 11, 390-392.	9.6	14
142	Haptoglobin is degraded by iron in C57BL/6 mice: A possible link with endoplasmic reticulum stress. Blood Cells, Molecules, and Diseases, 2007, 39, 229-237.	1.4	13
143	Proglucagon Promoter Cre-Mediated AMPK Deletion in Mice Increases Circulating GLP-1 Levels and Oral Glucose Tolerance. PLoS ONE, 2016, 11, e0149549.	2.5	13
144	A functional role for AMPK in female fertility and endometrial regeneration. Reproduction, 2018, 156, 501-513.	2.6	13

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145	Intestinal Epithelial AMPK Deficiency Causes Delayed Colonic Epithelial Repair in DSS-Induced Colitis. Cells, 2022, 11, 590.	4.1	13
146	At the crossroads of fertility and metabolism: the importance of AMPK-dependent signaling in female infertility associated with hyperandrogenism. Human Reproduction, 2022, 37, 1207-1228.	0.9	13
147	Understanding the Molecular Basis of the Interaction between NDPK-A and AMPK Î±1. Molecular and Cellular Biology, 2006, 26, 5921-5931.	2.3	12
148	Bypassing AMPK Phosphorylation. Chemistry and Biology, 2014, 21, 567-569.	6.0	12
149	AMPK is not required for the effect of metformin on the inhibition of BMP6-induced hepcidin gene expression in hepatocytes. Scientific Reports, 2017, 7, 12679.	3.3	12
150	Transgenic Mice Expressing Human Proteinase 3 Exhibit Sustained Neutrophil-Associated Peritonitis. Journal of Immunology, 2017, 199, 3914-3924.	0.8	12
151	Dual targeting of salt inducible kinases and CSF1R uncouples bone formation and bone resorption. ELife, 2021, 10, .	6.0	12
152	Endospanin1 affects oppositely body weight regulation and glucose homeostasis by differentially regulating central leptin signaling. Molecular Metabolism, 2017, 6, 159-172.	6.5	11
153	Reciprocity Between Skeletal Muscle AMPK Deletion and Insulin Action in Diet-Induced Obese Mice. Diabetes, 2020, 69, 1636-1649.	0.6	11
154	Glucose availability but not changes in pancreatic hormones sensitizes hepatic AMPK activity during nutritional transition in rodents. Journal of Biological Chemistry, 2020, 295, 5836-5849.	3.4	11
155	AMPK Signaling Involvement for the Repression of the IL-1Î²-Induced Group IIA Secretory Phospholipase A2 Expression in VSMCs. PLoS ONE, 2015, 10, e0132498.	2.5	11
156	Inactivation of AMPK Leads to Attenuation of Antigen Presentation and Immune Evasion in Lung Adenocarcinoma. Clinical Cancer Research, 2022, 28, 227-237.	7.0	11
157	Expression of Uncoupling Protein 3 and GLUT4 Gene in Skeletal Muscle of Preterm Newborns: Possible Control by AMP-Activated Protein Kinase. Pediatric Research, 2006, 60, 569-575.	2.3	10
158	Gain-of-function Prolactin Receptor Variants Are Not Associated With Breast Cancer and Multiple Fibroadenoma Risk. Journal of Clinical Endocrinology and Metabolism, 2016, 101, 4449-4460.	3.6	10
159	Investigation of salicylate hepatic responses in comparison with chemical analogues of the drug. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 1412-1422.	3.8	8
160	Finely-tuned regulation of AMP-activated protein kinase is crucial for human adult erythropoiesis. Haematologica, 2019, 104, 907-918.	3.5	8
161	Role of Cardiac AMP-Activated Protein Kinase in a Non-pathological Setting: Evidence From Cardiomyocyte-Specific, Inducible AMP-Activated Protein Kinase Î±1Î±2-Knockout Mice. Frontiers in Cell and Developmental Biology, 2021, 9, 731015.	3.7	7
162	Myeloid deletion and therapeutic activation of AMPK do not alter atherosclerosis in male or female mice. Journal of Lipid Research, 2020, 61, 1697-1706.	4.2	6

#	Article	IF	Citations
163	Activation of Adenosine Monophosphateâ€"Activated Protein Kinase Reduces the Onset of Dietâ€Induced Hepatocellular Carcinoma in Mice. Hepatology Communications, 2020, 4, 1056-1072.	4.3	6
164	Atrial AMP-activated protein kinase is critical for prevention of dysregulation of electrical excitability and atrial fibrillation. JCI Insight, 2022, 7, .	5.0	6
165	Animal Models to Study AMPK. Exs, 2016, 107, 441-469.	1.4	5
166	Activation of AMPK for a Break in Hepatic Lipid Accumulation and Circulating Cholesterol. EBioMedicine, 2018, 31, 15-16.	6.1	5
167	The facilitative glucose transporter 2: pathophysiological role in mouse and human. , 2003, , 175-190.		4
168	Lack of Endothelial Î±1AMPK Reverses the Vascular Protective Effects of Exercise by Causing eNOS Uncoupling. Antioxidants, 2021, 10, 1974.	5.1	4
169	Acetyl-CoA Carboxylase Inhibitor CP640.186 Increases Tubulin Acetylation and Impairs Thrombin-Induced Platelet Aggregation. International Journal of Molecular Sciences, 2021, 22, 13129.	4.1	4
170	Measurement of AMPK-Induced Inhibition of Lipid Synthesis Flux in Cultured Cells. Methods in Molecular Biology, 2018, 1732, 363-371.	0.9	3
171	Hepatic Peroxisome Proliferator-Activated Receptor Î³ Coactivator 1Î± and Hepcidin Are Coregulated in Fasted/Refed States in Mice. Clinical Chemistry, 2012, 58, 1487-1488.	3.2	2
172	Understanding the Molecular Basis of the Interaction between NDPK-A and AMPK Î±1. Molecular and Cellular Biology, 2008, 28, 5827-5827.	2.3	0
173	Macrophage AMPKÎ±1 is necessary for the resolution of inflammation during skeletal muscle regeneration. FASEB Journal, 2012, 26, 1078.5.	0.5	0
174	Co-Activation of AMPK and mTORC1 Is Synthetically Lethal in Acute Myeloid Leukemia. Blood, 2014, 124, 616-616.	1.4	0