

Benoit Violet

List of Publications by Year in descending order

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345
papers

44,619
citations

2565

99
h-index

2634

200
g-index

370
all docs

370
docs citations

370
times ranked

52804
citing authors

#	ARTICLE	IF	CITATIONS
1	AMPK and mTOR regulate autophagy through direct phosphorylation of Ulk1. <i>Nature Cell Biology</i> , 2011, 13, 132-141.	4.6	5,447
2	Phosphorylation of ULK1 (hATG1) by AMP-Activated Protein Kinase Connects Energy Sensing to Mitophagy. <i>Science</i> , 2011, 331, 456-461.	6.0	2,107
3	Cellular and molecular mechanisms of metformin: an overview. <i>Clinical Science</i> , 2012, 122, 253-270.	1.8	1,337
4	Metformin: From Mechanisms of Action to Therapies. <i>Cell Metabolism</i> , 2014, 20, 953-966.	7.2	1,019
5	Metformin inhibits hepatic gluconeogenesis in mice independently of the LKB1/AMPK pathway via a decrease in hepatic energy state. <i>Journal of Clinical Investigation</i> , 2010, 120, 2355-2369.	3.9	1,001
6	Systemic Treatment with the Antidiabetic Drug Metformin Selectively Impairs p53-Deficient Tumor Cell Growth. <i>Cancer Research</i> , 2007, 67, 6745-6752.	0.4	835
7	AMPK Is a Negative Regulator of the Warburg Effect and Suppresses Tumor Growth In Vivo. <i>Cell Metabolism</i> , 2013, 17, 113-124.	7.2	754
8	Metformin, Independent of AMPK, Inhibits mTORC1 in a Rag GTPase-Dependent Manner. <i>Cell Metabolism</i> , 2010, 11, 390-401.	7.2	747
9	Biguanides suppress hepatic glucagon signalling by decreasing production of cyclic AMP. <i>Nature</i> , 2013, 494, 256-260.	13.7	707
10	AMP-Activated Protein Kinase Deficient Mice Are Resistant to the Metabolic Effects of Resveratrol. <i>Diabetes</i> , 2010, 59, 554-563.	0.3	595
11	The Energy Sensor AMPK Regulates T Cell Metabolic Adaptation and Effector Responses In Vivo. <i>Immunity</i> , 2015, 42, 41-54.	6.6	505
12	Anti-Inflammatory Effects of Metformin Irrespective of Diabetes Status. <i>Circulation Research</i> , 2016, 119, 652-665.	2.0	498
13	Knockout of the $\alpha 2$ but Not $\alpha 1$ 5'-AMP-activated Protein Kinase Isoform Abolishes 5-Aminoimidazole-4-carboxamide-1- β -D-ribofuranosidebut Not Contraction-induced Glucose Uptake in Skeletal Muscle. <i>Journal of Biological Chemistry</i> , 2004, 279, 1070-1079.	1.6	484
14	Anti-obesity effects of α -lipoic acid mediated by suppression of hypothalamic AMP-activated protein kinase. <i>Nature Medicine</i> , 2004, 10, 727-733.	15.2	480
15	Activation of AMP-activated protein kinase in the liver: a new strategy for the management of metabolic hepatic disorders. <i>Journal of Physiology</i> , 2006, 574, 41-53.	1.3	457
16	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.	3.9	445
17	The AMP-activated protein kinase $\alpha 2$ catalytic subunit controls whole-body insulin sensitivity. <i>Journal of Clinical Investigation</i> , 2003, 111, 91-98.	3.9	444
18	Activation of the AMP-Activated Kinase by Antidiabetes Drug Metformin Stimulates Nitric Oxide Synthesis In Vivo by Promoting the Association of Heat Shock Protein 90 and Endothelial Nitric Oxide Synthase. <i>Diabetes</i> , 2006, 55, 496-505.	0.3	411

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19	AMP-activated protein kinase in the regulation of hepatic energy metabolism: from physiology to therapeutic perspectives. <i>Acta Physiologica</i> , 2009, 196, 81-98.	1.8	401
20	5-AMP-Activated Protein Kinase (AMPK) Is Induced by Low-Oxygen and Glucose Deprivation Conditions Found in Solid-Tumor Microenvironments. <i>Molecular and Cellular Biology</i> , 2006, 26, 5336-5347.	1.1	395
21	Understanding the glucoregulatory mechanisms of metformin in type 2 diabetes mellitus. <i>Nature Reviews Endocrinology</i> , 2019, 15, 569-589.	4.3	391
22	Bcl-2 protects from lethal hepatic apoptosis induced by an anti-Fas antibody in mice. <i>Nature Medicine</i> , 1996, 2, 80-86.	15.2	380
23	Mechanism of Action of A-769662, a Valuable Tool for Activation of AMP-activated Protein Kinase. <i>Journal of Biological Chemistry</i> , 2007, 282, 32549-32560.	1.6	376
24	AMPK β 1 Regulates Macrophage Skewing at the Time of Resolution of Inflammation during Skeletal Muscle Regeneration. <i>Cell Metabolism</i> , 2013, 18, 251-264.	7.2	375
25	AMPK dysregulation promotes diabetes-related reduction of superoxide and mitochondrial function. <i>Journal of Clinical Investigation</i> , 2013, 123, 4888-4899.	3.9	373
26	Short-Term Overexpression of a Constitutively Active Form of AMP-Activated Protein Kinase in the Liver Leads to Mild Hypoglycemia and Fatty Liver. <i>Diabetes</i> , 2005, 54, 1331-1339.	0.3	346
27	AMPK inhibition in health and disease. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2010, 45, 276-295.	2.3	330
28	Signaling Kinase AMPK Activates Stress-Promoted Transcription via Histone H2B Phosphorylation. <i>Science</i> , 2010, 329, 1201-1205.	6.0	320
29	AMPK in skeletal muscle function and metabolism. <i>FASEB Journal</i> , 2018, 32, 1741-1777.	0.2	289
30	Anti-lipolytic Action of AMP-activated Protein Kinase in Rodent Adipocytes. <i>Journal of Biological Chemistry</i> , 2005, 280, 25250-25257.	1.6	286
31	Metformin Reduces Endogenous Reactive Oxygen Species and Associated DNA Damage. <i>Cancer Prevention Research</i> , 2012, 5, 536-543.	0.7	284
32	AMPK β 2 Deletion Causes Aberrant Expression and Activation of NAD(P)H Oxidase and Consequent Endothelial Dysfunction In Vivo. <i>Circulation Research</i> , 2010, 106, 1117-1128.	2.0	279
33	Intestinal Gluconeogenesis Is a Key Factor for Early Metabolic Changes after Gastric Bypass but Not after Gastric Lap-Band in Mice. <i>Cell Metabolism</i> , 2008, 8, 201-211.	7.2	270
34	Hypoxic activation of AMPK is dependent on mitochondrial ROS but independent of an increase in AMP/ATP ratio. <i>Free Radical Biology and Medicine</i> , 2009, 46, 1386-1391.	1.3	269
35	5-Aminoimidazole-4-Carboxamide-1- β -D-Ribofuranoside Inhibits Proinflammatory Response in Glial Cells: A Possible Role of AMP-Activated Protein Kinase. <i>Journal of Neuroscience</i> , 2004, 24, 479-487.	1.7	260
36	Polyunsaturated fatty acids suppress glycolytic and lipogenic genes through the inhibition of ChREBP nuclear protein translocation. <i>Journal of Clinical Investigation</i> , 2005, 115, 2843-2854.	3.9	256

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37	Nicotinamide phosphoribosyltransferase protects against ischemic stroke through SIRT1-dependent adenosine monophosphate-activated kinase pathway. <i>Annals of Neurology</i> , 2011, 69, 360-374.	2.8	255
38	A role for AMP-activated protein kinase in diabetes-induced renal hypertrophy. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, F617-F627.	1.3	253
39	Effects of AMPK knockout on exercise-induced gene activation in mouse skeletal muscle. <i>FASEB Journal</i> , 2005, 19, 1146-1148.	0.2	248
40	AMPK: Lessons from transgenic and knockout animals. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 19.	3.0	248
41	Maintenance of Metabolic Homeostasis by Sestrin2 and Sestrin3. <i>Cell Metabolism</i> , 2012, 16, 311-321.	7.2	242
42	AMPK-Mediated AS160 Phosphorylation in Skeletal Muscle Is Dependent on AMPK Catalytic and Regulatory Subunits. <i>Diabetes</i> , 2006, 55, 2051-2058.	0.3	239
43	PKA phosphorylates and inactivates AMPK to promote efficient lipolysis. <i>EMBO Journal</i> , 2010, 29, 469-481.	3.5	235
44	Targeting the AMPK pathway for the treatment of Type 2 diabetes. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 3380.	3.0	227
45	Metformin activates AMP-activated protein kinase in primary human hepatocytes by decreasing cellular energy status. <i>Diabetologia</i> , 2011, 54, 3101-3110.	2.9	226
46	Liver Adenosine Monophosphate-Activated Kinase-2 Catalytic Subunit Is a Key Target for the Control of Hepatic Glucose Production by Adiponectin and Leptin But Not Insulin. <i>Endocrinology</i> , 2006, 147, 2432-2441.	1.4	216
47	Resveratrol Inhibits Cardiac Hypertrophy via AMP-activated Protein Kinase and Akt. <i>Journal of Biological Chemistry</i> , 2008, 283, 24194-24201.	1.6	216
48	Physiological role of AMP-activated protein kinase (AMPK): insights from knockout mouse models. <i>Biochemical Society Transactions</i> , 2003, 31, 216-219.	1.6	215
49	The 5' AMP-Activated Protein Kinase Is a Site 2 Glycogen Synthase Kinase in Skeletal Muscle and Is Responsive to Glucose Loading. <i>Diabetes</i> , 2004, 53, 3074-3081.	0.3	215
50	Activation of 5'-AMP-activated Kinase with Diabetes Drug Metformin Induces Casein Kinase I ϵ (CKI ϵ)-dependent Degradation of Clock Protein mPer2. <i>Journal of Biological Chemistry</i> , 2007, 282, 20794-20798.	1.6	212
51	Activation of AMP-activated protein kinase 2 by nicotine instigates formation of abdominal aortic aneurysms in mice in vivo. <i>Nature Medicine</i> , 2012, 18, 902-910.	15.2	209
52	Activation of Skeletal Muscle AMPK Promotes Glucose Disposal and Glucose Lowering in Non-human Primates and Mice. <i>Cell Metabolism</i> , 2017, 25, 1147-1159.e10.	7.2	205
53	AMPK1: A glucose sensor that controls CD8 T cell memory. <i>European Journal of Immunology</i> , 2013, 43, 889-896.	1.6	201
54	Neuroprotective Effects of Adenosine Monophosphate- Activated Protein Kinase Inhibition and Gene Deletion in Stroke. <i>Stroke</i> , 2007, 38, 2992-2999.	1.0	198

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55	AMPK/Î±-Ketoglutarate Axis Dynamically Mediates DNA Demethylation in the Prdm16 Promoter and Brown Adipogenesis. <i>Cell Metabolism</i> , 2016, 24, 542-554.	7.2	195
56	Discrete mechanisms of mTOR and cell cycle regulation by AMPK agonists independent of AMPK. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E435-44.	3.3	194
57	The Glycolytic Shift in Fumarate-Hydratase-Deficient Kidney Cancer Lowers AMPK Levels, Increases Anabolic Propensities and Lowers Cellular Iron Levels. <i>Cancer Cell</i> , 2011, 20, 315-327.	7.7	190
58	Immunochemical Characterization and Transacting Properties of Upstream Stimulatory Factor Isoforms. <i>Journal of Biological Chemistry</i> , 1996, 271, 1405-1415.	1.6	182
59	AMPK controls exercise endurance, mitochondrial oxidative capacity, and skeletal muscle integrity. <i>FASEB Journal</i> , 2014, 28, 3211-3224.	0.2	182
60	AMPK activation counteracts cardiac hypertrophy by reducing O-GlcNAcylation. <i>Nature Communications</i> , 2018, 9, 374.	5.8	179
61	Protein Kinase A-Dependent Phosphorylation Modulates DNA-Binding Activity of Hepatocyte Nuclear Factor 4. <i>Molecular and Cellular Biology</i> , 1997, 17, 4208-4219.	1.1	177
62	Metformin Antagonizes Cancer Cell Proliferation by Suppressing Mitochondrial-Dependent Biosynthesis. <i>PLoS Biology</i> , 2015, 13, e1002309.	2.6	176
63	The LKB1/AMPK signaling pathway has tumor suppressor activity in acute myeloid leukemia through the repression of mTOR-dependent oncogenic mRNA translation. <i>Blood</i> , 2010, 116, 4262-4273.	0.6	173
64	5-Aminoimidazole-4-Carboxamide-1-Î²-D-Ribofuranoside and Metformin Inhibit Hepatic Glucose Phosphorylation by an AMP-Activated Protein Kinase-Independent Effect on Glucokinase Translocation. <i>Diabetes</i> , 2006, 55, 865-874.	0.3	171
65	AMP Activated Protein Kinase-Î±2 Deficiency Exacerbates Pressure-Overload-Induced Left Ventricular Hypertrophy and Dysfunction in Mice. <i>Hypertension</i> , 2008, 52, 918-924.	1.3	165
66	S6 Kinase Deletion Suppresses Muscle Growth Adaptations to Nutrient Availability by Activating AMP Kinase. <i>Cell Metabolism</i> , 2007, 5, 476-487.	7.2	163
67	Upregulation of Mitochondrial Uncoupling Protein-2 by the AMP-Activated Protein Kinase in Endothelial Cells Attenuates Oxidative Stress in Diabetes. <i>Diabetes</i> , 2008, 57, 3222-3230.	0.3	160
68	AMP-activated protein kinase (AMPK) activation regulates in vitro bone formation and bone mass. <i>Bone</i> , 2010, 47, 309-319.	1.4	160
69	Targeting AMP-activated protein kinase as a novel therapeutic approach for the treatment of metabolic disorders. <i>Diabetes and Metabolism</i> , 2007, 33, 395-402.	1.4	156
70	Autophagy is required for endothelial cell alignment and atheroprotection under physiological blood flow. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E8675-E8684.	3.3	156
71	Role of AMPKÎ±2 in basal, training-, and AICAR-induced GLUT4, hexokinase II, and mitochondrial protein expression in mouse muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 292, E331-E339.	1.8	147
72	Adiponectin suppresses gluconeogenic gene expression in mouse hepatocytes independent of LKB1-AMPK signaling. <i>Journal of Clinical Investigation</i> , 2011, 121, 2518-2528.	3.9	147

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73	Hepatocyte Nuclear Factor-4 \hat{A} Involved in Type 1 Maturity-Onset Diabetes of the Young Is a Novel Target of AMP-Activated Protein Kinase. <i>Diabetes</i> , 2001, 50, 1515-1521.	0.3	145
74	AMPK-independent induction of autophagy by cytosolic Ca ²⁺ increase. <i>Cellular Signalling</i> , 2010, 22, 914-925.	1.7	145
75	Inhibition of AMP-Activated Protein Kinase Signaling Alleviates Impairments in Hippocampal Synaptic Plasticity Induced by Amyloid \hat{I}^2 . <i>Journal of Neuroscience</i> , 2014, 34, 12230-12238.	1.7	143
76	Activation of AMPK \hat{I}^2 in adipocytes is essential for nicotine-induced insulin resistance in vivo. <i>Nature Medicine</i> , 2015, 21, 373-382.	15.2	143
77	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
78	Induced Adiposity and Adipocyte Hypertrophy in Mice Lacking the AMP-Activated Protein Kinase- $\hat{A}2$ Subunit. <i>Diabetes</i> , 2004, 53, 2242-2249.	0.3	142
79	Enhanced Muscle Insulin Sensitivity After Contraction/Exercise Is Mediated by AMPK. <i>Diabetes</i> , 2017, 66, 598-612.	0.3	137
80	AMPK Re-Activation Suppresses Hepatic Steatosis but its Downregulation Does Not Promote Fatty Liver Development. <i>EBioMedicine</i> , 2018, 28, 194-209.	2.7	136
81	In Vivo Activation of AMP-Activated Protein Kinase Attenuates Diabetes-Enhanced Degradation of GTP Cyclohydrolase I. <i>Diabetes</i> , 2009, 58, 1893-1901.	0.3	132
82	Diet and Gastrointestinal Bypass \hat{A} €“Induced Weight Loss. <i>Diabetes</i> , 2011, 60, 810-818.	0.3	132
83	The LKB1-salt-inducible kinase pathway functions as a key gluconeogenic suppressor in the liver. <i>Nature Communications</i> , 2014, 5, 4535.	5.8	131
84	Obesity Impairs Skeletal Muscle Regeneration Through Inhibition of AMPK. <i>Diabetes</i> , 2016, 65, 188-200.	0.3	127
85	Differential effects of AMPK agonists on cell growth and metabolism. <i>Oncogene</i> , 2015, 34, 3627-3639.	2.6	121
86	AMPK maintains energy homeostasis and survival in cancer cells via regulating p38/PGC-1 \hat{I}^2 -mediated mitochondrial biogenesis. <i>Cell Death Discovery</i> , 2015, 1, 15063.	2.0	117
87	AMPK antagonizes hepatic glucagon-stimulated cyclic AMP signalling via phosphorylation-induced activation of cyclic nucleotide phosphodiesterase 4B. <i>Nature Communications</i> , 2016, 7, 10856.	5.8	117
88	AMP-activated Protein Kinase Inhibits Transforming Growth Factor- \hat{I}^2 -induced Smad3-dependent Transcription and Myofibroblast Transdifferentiation. <i>Journal of Biological Chemistry</i> , 2008, 283, 10461-10469.	1.6	115
89	Prior AICAR Stimulation Increases Insulin Sensitivity in Mouse Skeletal Muscle in an AMPK-Dependent Manner. <i>Diabetes</i> , 2015, 64, 2042-2055.	0.3	115
90	Transcription factor-dependent regulation of CBP and P/CAF histone acetyltransferase activity. <i>EMBO Journal</i> , 2001, 20, 1984-1992.	3.5	113

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91	AMPK Regulates Circadian Rhythms in a Tissue- and Isoform-Specific Manner. PLoS ONE, 2011, 6, e18450.	1.1	113
92	AMP-activated protein kinase (AMPK) activity is not required for neuronal development but regulates axogenesis during metabolic stress. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5849-5854.	3.3	113
93	AMPK Activation by Oncogenesis Is Required to Maintain Cancer Cell Proliferation in Astrocytic Tumors. Cancer Research, 2013, 73, 2628-2638.	0.4	112
94	Expanding roles for AMPK in skeletal muscle plasticity. Trends in Endocrinology and Metabolism, 2015, 26, 275-286.	3.1	111
95	Activation of AMP kinase $\hat{1}$ subunit induces aortic vasorelaxation in mice. Journal of Physiology, 2007, 581, 1163-1171.	1.3	107
96	Important role for AMPK $\hat{1}$ in limiting skeletal muscle cell hypertrophy. FASEB Journal, 2009, 23, 2264-2273.	0.2	106
97	LKB1 and AMPK regulate synaptic remodeling in old age. Nature Neuroscience, 2014, 17, 1190-1197.	7.1	106
98	Perivascular Adipose Tissue Control of Insulin-Induced Vasoreactivity in Muscle Is Impaired in db/db Mice. Diabetes, 2013, 62, 590-598.	0.3	105
99	Metformin suppresses adipogenesis through both AMP-activated protein kinase (AMPK)-dependent and AMPK-independent mechanisms. Molecular and Cellular Endocrinology, 2017, 440, 57-68.	1.6	105
100	Cardiotrophin-1 Is a Key Regulator of Glucose and Lipid Metabolism. Cell Metabolism, 2011, 14, 242-253.	7.2	103
101	Mechanism of Action of Compound-13: An $\hat{1}$ -Selective Small Molecule Activator of AMPK. Chemistry and Biology, 2014, 21, 866-879.	6.2	103
102	AMP-activated protein kinase-independent inhibition of hepatic mitochondrial oxidative phosphorylation by AICA riboside. Biochemical Journal, 2007, 404, 499-507.	1.7	100
103	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.	6.6	100
104	Metabolic and Innate Immune Cues Merge into a Specific Inflammatory Response via the UPR. Cell, 2019, 177, 1201-1216.e19.	13.5	100
105	AMP-activated Protein Kinase Phosphorylates and Desensitizes Smooth Muscle Myosin Light Chain Kinase. Journal of Biological Chemistry, 2008, 283, 18505-18512.	1.6	99
106	Ablation of AMP-activated protein kinase $\hat{1}$ and $\hat{2}$ from mouse pancreatic beta cells and RIP2.Cre neurons suppresses insulin release in vivo. Diabetologia, 2010, 53, 924-936.	2.9	99
107	AMP-activated protein kinase phosphorylates and inactivates liver glycogen synthase. Biochemical Journal, 2012, 443, 193-203.	1.7	98
108	AMP-activated protein kinase pathway and bone metabolism. Journal of Endocrinology, 2012, 212, 277-290.	1.2	98

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109	AMPK Activation Reduces Hepatic Lipid Content by Increasing Fat Oxidation In Vivo. <i>International Journal of Molecular Sciences</i> , 2018, 19, 2826.	1.8	98
110	<i>Leishmania infantum</i> Modulates Host Macrophage Mitochondrial Metabolism by Hijacking the SIRT1-AMPK Axis. <i>PLoS Pathogens</i> , 2015, 11, e1004684.	2.1	96
111	AICAR induces apoptosis independently of AMPK and p53 through up-regulation of the BH3-only proteins BIM and NOXA in chronic lymphocytic leukemia cells. <i>Blood</i> , 2010, 116, 3023-3032.	0.6	95
112	AMP-activated protein kinase modulates tau phosphorylation and tau pathology in vivo. <i>Scientific Reports</i> , 2016, 6, 26758.	1.6	95
113	AMPK pathway regulates muscle stem cell self-renewal by controlling metabolic homeostasis. <i>EMBO Journal</i> , 2017, 36, 1946-1962.	3.5	95
114	Compound C inhibits hypoxic activation of HIF-1 independent of AMPK. <i>FEBS Letters</i> , 2007, 581, 5727-5731.	1.3	93
115	AMPK β 1 Deletion Shortens Erythrocyte Life Span in Mice. <i>Journal of Biological Chemistry</i> , 2010, 285, 19976-19985.	1.6	93
116	Co-activation of AMPK and mTORC1 Induces Cytotoxicity in Acute Myeloid Leukemia. <i>Cell Reports</i> , 2015, 11, 1446-1457.	2.9	93
117	AMP-activated protein kinase regulates lymphocyte responses to metabolic stress but is largely dispensable for immune cell development and function. <i>European Journal of Immunology</i> , 2008, 38, 948-956.	1.6	91
118	AMPK β 1 deficiency amplifies proinflammatory myeloid APC activity and CD40 signaling. <i>Journal of Leukocyte Biology</i> , 2013, 94, 1113-1121.	1.5	91
119	Autophagy Controls p38 Activation to Promote Cell Survival under Genotoxic Stress. <i>Journal of Biological Chemistry</i> , 2013, 288, 1603-1611.	1.6	91
120	AMP-activated protein kinase suppresses urate crystal-induced inflammation and transduces colchicine effects in macrophages. <i>Annals of the Rheumatic Diseases</i> , 2016, 75, 286-294.	0.5	91
121	Regulation of hepatic metabolism by AMPK. <i>Journal of Hepatology</i> , 2011, 54, 827-829.	1.8	90
122	AMPK β 2 Deletion Exacerbates Neointima Formation by Upregulating Skp2 in Vascular Smooth Muscle Cells. <i>Circulation Research</i> , 2011, 109, 1230-1239.	2.0	90
123	Coordinated maintenance of muscle cell size control by AMP-activated protein kinase. <i>FASEB Journal</i> , 2010, 24, 3555-3561.	0.2	88
124	AMP-Activated Protein Kinase Induces p53 by Phosphorylating MDMX and Inhibiting Its Activity. <i>Molecular and Cellular Biology</i> , 2014, 34, 148-157.	1.1	86
125	The PRKAA1/AMPK β 1 pathway triggers autophagy during CSF1-induced human monocyte differentiation and is a potential target in CMML. <i>Autophagy</i> , 2015, 11, 1114-1129.	4.3	86
126	AMP-Activated Protein Kinase and Metabolic Control. <i>Handbook of Experimental Pharmacology</i> , 2011, , 303-330.	0.9	85

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127	Metformin regulates global DNA methylation via mitochondrial one-carbon metabolism. <i>Oncogene</i> , 2018, 37, 963-970.	2.6	85
128	Stimulation of AMP-Activated Protein Kinase Is Essential for the Induction of Drug Metabolizing Enzymes by Phenobarbital in Human and Mouse Liver. <i>Molecular Pharmacology</i> , 2006, 70, 1925-1934.	1.0	84
129	Defining the Contribution of AMP-activated Protein Kinase (AMPK) and Protein Kinase C (PKC) in Regulation of Glucose Uptake by Metformin in Skeletal Muscle Cells. <i>Journal of Biological Chemistry</i> , 2012, 287, 20088-20099.	1.6	84
130	GFAT1 phosphorylation by AMPK promotes VEGF-induced angiogenesis. <i>Biochemical Journal</i> , 2017, 474, 983-1001.	1.7	84
131	Crucial role for LKB1 to AMPK β 2 axis in the regulation of CD36-mediated long-chain fatty acid uptake into cardiomyocytes β . <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2009, 1791, 212-219.	1.2	83
132	Proteome Analysis of Erythrocytes Lacking AMP-Activated Protein Kinase Reveals a Role of PAK2 Kinase in Eryptosis. <i>Journal of Proteome Research</i> , 2011, 10, 1690-1697.	1.8	83
133	Peroxisome Proliferator-Activated Receptor β 3 Coactivator 1 β and FoxO3A Mediate Chondroprotection by AMP-Activated Protein Kinase. <i>Arthritis and Rheumatology</i> , 2014, 66, 3073-3082.	2.9	83
134	Activation of AMP-activated protein kinase rapidly suppresses multiple pro-inflammatory pathways in adipocytes including IL-1 receptor-associated kinase-4 phosphorylation. <i>Molecular and Cellular Endocrinology</i> , 2017, 440, 44-56.	1.6	83
135	Loss of AMP-Activated Protein Kinase β 2 Impairs the Insulin-Sensitizing Effect of Calorie Restriction in Skeletal Muscle. <i>Diabetes</i> , 2012, 61, 1051-1061.	0.3	82
136	Role of AMPK in UVB-induced DNA damage repair and growth control. <i>Oncogene</i> , 2013, 32, 2682-2689.	2.6	82
137	Beyond AICA riboside: In search of new specific AMP-activated protein kinase activators. <i>IUBMB Life</i> , 2009, 61, 18-26.	1.5	81
138	Role of the β 2-isoform of AMP-activated protein kinase in the metabolic response of the heart to no-flow ischemia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H2875-H2883.	1.5	80
139	Translational Tolerance of Mitochondrial Genes to Metabolic Energy Stress Involves TISU and eIF1-eIF4GI Cooperation in Start Codon Selection. <i>Cell Metabolism</i> , 2015, 21, 479-492.	7.2	80
140	Phosphorylation of Janus kinase 1 (JAK1) by AMP-activated protein kinase (AMPK) links energy sensing to anti-inflammatory signaling. <i>Science Signaling</i> , 2016, 9, ra109.	1.6	80
141	Cellular Energy Depletion Resets Whole-Body Energy by Promoting Coactivator-Mediated Dietary Fuel Absorption. <i>Cell Metabolism</i> , 2011, 13, 35-43.	7.2	78
142	Inactivation of AMPK β 1 Induces Asthenozoospermia and Alters Spermatozoa Morphology. <i>Endocrinology</i> , 2012, 153, 3468-3481.	1.4	78
143	AMPK β 1 Activation Is Required for Stimulation of Glucose Uptake by Twitch Contraction, but Not by H ₂ O ₂ , in Mouse Skeletal Muscle. <i>PLoS ONE</i> , 2008, 3, e2102.	1.1	77
144	Beyond Energy Homeostasis: the Expanding Role of AMP-Activated Protein Kinase in Regulating Metabolism. <i>Cell Metabolism</i> , 2015, 21, 799-804.	7.2	77

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145	A769662, a novel activator of AMP-activated protein kinase, inhibits non-proteolytic components of the 26S proteasome by an AMPK-independent mechanism. <i>FEBS Letters</i> , 2008, 582, 2650-2654.	1.3	76
146	AMP Activated Protein Kinase- α 2 Regulates Expression of Estrogen-Related Receptor- α 1, a Metabolic Transcription Factor Related to Heart Failure Development. <i>Hypertension</i> , 2011, 58, 696-703.	1.3	76
147	Inhibition of AMP-Activated Protein Kinase Accentuates Lipopolysaccharide-Induced Lung Endothelial Barrier Dysfunction and Lung Injury in Vivo. <i>American Journal of Pathology</i> , 2013, 182, 1021-1030.	1.9	76
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