

AMP-activated/SNF1 protein kinases: conserved guardi

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Citation Report

#	ARTICLE	IF	CITATIONS
1	AMPK and SNF1: Snuffing Out Stress. <i>Cell Metabolism</i> , 2007, 6, 339-340.	7.2	37
2	Metabolic approaches to breast cancer treatment and prevention. <i>Breast Cancer Research</i> , 2007, 9, .	2.2	1
4	When One Protein Does the Job of Many. <i>Structure</i> , 2007, 15, 1163-1165.	1.6	2
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6	How I Became a Biochemist. <i>IUBMB Life</i> , 2007, 59, 793-796.	1.5	0
7	Lipid-induced cell dysfunction and cell death: Lessons from yeast. <i>Current Hypertension Reports</i> , 2007, 9, 455-461.	1.5	32
8	Sucrose non-fermenting 1-related protein kinase 2 (SnRK2): a family of protein kinases involved in hyperosmotic stress signaling. <i>Physiology and Molecular Biology of Plants</i> , 2008, 14, 91-100.	1.4	30
9	Detection of endogenous Snf1 and its activation state: application to <i>Saccharomyces</i> and <i>Candida</i> species. <i>Yeast</i> , 2008, 25, 745-754.	0.8	57
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#	ARTICLE	IF	CITATIONS
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1359	Molecular machinery and interplay of apoptosis and autophagy in coronary heart disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 136, 27-41.	0.9	266
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1369	Phosphorylation of <i>Arabidopsis</i> eIF4E and eIF4E by SnRK1 inhibits translation. <i>FEBS Journal</i> , 2019, 286, 3778-3796.	2.2	26
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1377	Loss of BRUCE reduces cellular energy level and induces autophagy by driving activation of the AMPK-ULK1 autophagic initiating axis. <i>PLoS ONE</i> , 2019, 14, e0216553.	1.1	15
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1381	State of Knowledge and Recent Advances in Prevention and Treatment of Mitochondrial Dysfunction in Obesity and Type 2 Diabetes. , 2019, , 399-418.		1
1382	Renoprotective effects of brown adipose tissue activation in diabetic mice. <i>Journal of Diabetes</i> , 2019, 11, 958-970.	0.8	20
1383	Production of the plant polyketide curcumin in <i>Aspergillus oryzae</i> : strengthening malonyl-CoA supply for yield improvement. <i>Bioscience, Biotechnology and Biochemistry</i> , 2019, 83, 1372-1381.	0.6	21
1384	Cellular energy stress induces AMPK-mediated regulation of glioblastoma cell proliferation by PIKE-A phosphorylation. <i>Cell Death and Disease</i> , 2019, 10, 222.	2.7	19
1385	Î ² -Hydroxybutyrate, a ketone body, reduces the cytotoxic effect of cisplatin via activation of HDAC5 in human renal cortical epithelial cells. <i>Life Sciences</i> , 2019, 222, 125-132.	2.0	21
1386	A Revised Mental Energy Hypothesis of the <i>g</i> Factor in Light of Recent Neuroscience. <i>Review of General Psychology</i> , 2019, 23, 201-210.	2.1	7
1387	New targets for HIV drug discovery. <i>Drug Discovery Today</i> , 2019, 24, 1139-1147.	3.2	18
1388	Association of sustained supraphysiologic hyperinsulinemia and inflammatory signaling within the digital lamellae in light-breed horses. <i>Journal of Veterinary Internal Medicine</i> , 2019, 33, 1483-1492.	0.6	14
1389	Recent advances of therapeutic targets based on the molecular signature in breast cancer: genetic mutations and implications for current treatment paradigms. <i>Journal of Hematology and Oncology</i> , 2019, 12, 38.	6.9	66
1390	Nutrient sensing pathway genes expression dysregulated in patients with T2DM and coronary artery disease. <i>Diabetes Research and Clinical Practice</i> , 2019, 151, 39-45.	1.1	4
1391	Autophagy in pulmonary hypertension: Emerging roles and therapeutic implications. <i>Journal of Cellular Physiology</i> , 2019, 234, 16755-16767.	2.0	16
1392	Metformin promotes autophagy in ischemia/reperfusion myocardium via cytoplasmic AMPK ^{Î±1} and nuclear AMPK ^{Î±2} pathways. <i>Life Sciences</i> , 2019, 225, 64-71.	2.0	47
1393	Dietary N-carbamylglutamate and L-arginine supplementation improves intestinal energy status in intrauterine-growth-retarded suckling lambs. <i>Food and Function</i> , 2019, 10, 1903-1914.	2.1	21
1394	Activation of AMPK by metformin promotes renal cancer cell proliferation under glucose deprivation through its interaction with PKM2. <i>International Journal of Biological Sciences</i> , 2019, 15, 617-627.	2.6	41
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1396	Artemether Activation of AMPK/GSK3 ^{Î²} (ser9)/Nrf2 Signaling Confers Neuroprotection towards Î²-Amyloid-Induced Neurotoxicity in 3xTg Alzheimer's Mouse Model. <i>Oxidative Medicine and Cellular Longevity</i> , 2019, 2019, 1-24.	1.9	40
1397	Helminthostachys zeylanica alleviates hepatic steatosis and insulin resistance in diet-induced obese mice. <i>BMC Complementary and Alternative Medicine</i> , 2019, 19, 368.	3.7	16

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1399	The Upstream Pathway of mTOR-Mediated Autophagy in Liver Diseases. <i>Cells</i> , 2019, 8, 1597.	1.8	162
1400	Fatty Acids Regulate Porcine Reproductive and Respiratory Syndrome Virus Infection via the AMPK-ACC1 Signaling Pathway. <i>Viruses</i> , 2019, 11, 1145.	1.5	16
1401	A multi-scale approach to study biochemical and biophysical aspects of resveratrol on diesel exhaust particle-human primary lung cell interaction. <i>Scientific Reports</i> , 2019, 9, 18178.	1.6	12
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1403	Tackling Cancer with Yeast-Based Technologies. <i>Trends in Biotechnology</i> , 2019, 37, 592-603.	4.9	35
1404	Rapamycin enhances growth inhibition on urothelial carcinoma cells through LKB1 deficiency-mediated mitochondrial dysregulation. <i>Journal of Cellular Physiology</i> , 2019, 234, 13083-13096.	2.0	11
1405	Metformin; an old antidiabetic drug with new potentials in bone disorders. <i>Biomedicine and Pharmacotherapy</i> , 2019, 109, 1593-1601.	2.5	80
1406	Effect of interaction between leucine and acetate on the milk protein synthesis in bovine mammary epithelial cells. <i>Animal Science Journal</i> , 2019, 90, 81-89.	0.6	11
1407	Metabolomics profiling of metformin-mediated metabolic reprogramming bypassing AMPK \pm . <i>Metabolism: Clinical and Experimental</i> , 2019, 91, 18-29.	1.5	30
1408	AMPK \pm 2 knockout enhances tumour inflammation through exacerbated liver injury and energy deprivation-associated AMPK \pm 1 activation. <i>Journal of Cellular and Molecular Medicine</i> , 2019, 23, 1687-1697.	1.6	11
1409	Effects of fatty liver hemorrhagic syndrome on the AMP-activated protein kinase signaling pathway in laying hens. <i>Poultry Science</i> , 2019, 98, 2201-2210.	1.5	36
1410	Effect of ethanol on lipid metabolism. <i>Journal of Hepatology</i> , 2019, 70, 237-248.	1.8	176
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1412	The antidiabetic drug metformin prevents and reverses neuropathic pain and spinal cord microglial activation in male but not female mice. <i>Pharmacological Research</i> , 2019, 139, 1-16.	3.1	108
1413	Exercise training to reduce cardiovascular risk in patients with metabolic syndrome and type 2 diabetes mellitus: How does it work?. <i>European Journal of Preventive Cardiology</i> , 2019, 26, 701-708.	0.8	37
1414	A wheat protein kinase gene TaSnRK2.9-5A associated with yield contributing traits. <i>Theoretical and Applied Genetics</i> , 2019, 132, 907-919.	1.8	49
1415	AMPK breathing and oxygen supply. <i>Respiratory Physiology and Neurobiology</i> , 2019, 265, 112-120.	0.7	9

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1417	Mitophagy-driven metabolic switch reprograms stem cell fate. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 27-43.	2.4	85
1418	Circadian regulation in the retina: From molecules to network. <i>European Journal of Neuroscience</i> , 2020, 51, 194-216.	1.2	47
1419	Antidiabetic Drug Metformin Ameliorates Depressive-Like Behavior in Mice with Chronic Restraint Stress via Activation of AMP-Activated Protein Kinase. , 2020, 11, 31.		20
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1421	Meta-analysis of genome-wide association studies and functional assays decipher susceptibility genes for gastric cancer in Chinese populations. <i>Gut</i> , 2020, 69, 641-651.	6.1	36
1422	Î±-Arbutin Protects Against Parkinson's Disease-Associated Mitochondrial Dysfunction In Vitro and In Vivo. <i>NeuroMolecular Medicine</i> , 2020, 22, 56-67.	1.8	35
1423	Cynandione A from <i>Cynanchum wilfordii</i> inhibits hepatic de novo lipogenesis by activating the LKB1/AMPK pathway in HepG2 cells. <i>Journal of Natural Medicines</i> , 2020, 74, 142-152.	1.1	11
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1427	Delayed intervention with a novel SGLT2 inhibitor NGI001 suppresses diet-induced metabolic dysfunction and non-alcoholic fatty liver disease in mice. <i>British Journal of Pharmacology</i> , 2020, 177, 239-253.	2.7	32
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1431	Human prion protein-mediated calcineurin activation induces neuron cell death via AMPK and autophagy pathway. <i>International Journal of Biochemistry and Cell Biology</i> , 2020, 119, 105680.	1.2	13
1432	Resveratrol ameliorates metabolic disorders and insulin resistance in high-fat diet-fed mice. <i>Life Sciences</i> , 2020, 242, 117212.	2.0	62
1433	Role of AMPK/SIRT1-SIRT3 signaling pathway in affective disorders in unpredictable chronic mild stress mice. <i>Neuropharmacology</i> , 2020, 165, 107925.	2.0	17

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1435	Î ² -guanidinopropionic acid and metformin differentially impact autophagy, mitochondria and cellular morphology in developing C2C12 muscle cells. <i>Journal of Muscle Research and Cell Motility</i> , 2020, 41, 221-237.	0.9	6
1436	Ghrelin induces autophagy and CXCR4 expression via the SIRT1/AMPK axis in lymphoblastic leukemia cell lines. <i>Cellular Signalling</i> , 2020, 66, 109492.	1.7	22
1437	Phytogenic feed- and water-additives improve feed efficiency in broilers via modulation of (an)orexigenic hypothalamic neuropeptide expression. <i>Neuropeptides</i> , 2020, 81, 102005.	0.9	11
1438	Artemisinin Attenuated Atherosclerosis in High-Fat Dietâ€œFed ApoEâˆ™/âˆ™ Mice by Promoting Macrophage Autophagy Through the AMPK/mTOR/ULK1 Pathway. <i>Journal of Cardiovascular Pharmacology</i> , 2020, 75, 321-332.	0.8	34
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1440	Research progress of mTOR inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2020, 208, 112820.	2.6	116
1441	GDF11 replenishment protects against hypoxia-mediated apoptosis in cardiomyocytes by regulating autophagy. <i>European Journal of Pharmacology</i> , 2020, 885, 173495.	1.7	11
1442	Metabolic and transcriptome responses of RNAi-mediated AMPKÎ± knockdown in <i>Tribolium castaneum</i> . <i>BMC Genomics</i> , 2020, 21, 655.	1.2	7
1443	The impact of metformin on survival in patients with melanomaâ€œnational cohort study. <i>Annals of Epidemiology</i> , 2020, 52, 23-25.	0.9	3
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1445	HSP70 interacts with Rheb, inhibiting mTORC1 signaling. <i>Biochemical and Biophysical Research Communications</i> , 2020, 533, 1198-1203.	1.0	4
1446	The Effects of C3G and D3G Anthocyanin-Rich Black Soybean on Energy Metabolism in Beige-like Adipocytes. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 12011-12018.	2.4	9
1447	Fine-tuning of AMPKâ€œULK1â€œmTORC1 regulatory triangle is crucial for autophagy oscillation. <i>Scientific Reports</i> , 2020, 10, 17803.	1.6	29
1448	MOS1 Negatively Regulates Sugar Responses and Anthocyanin Biosynthesis in <i>Arabidopsis</i> . <i>International Journal of Molecular Sciences</i> , 2020, 21, 7095.	1.8	3
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1450	Metformin enhances osteogenic differentiation of stem cells from human exfoliated deciduous teeth through AMPK pathway. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2020, 14, 1869-1879.	1.3	22
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#	ARTICLE	IF	CITATIONS
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1453	Chrysophanol Alleviates Metabolic Syndrome by Activating the SIRT6/AMPK Signaling Pathway in Brown Adipocytes. <i>Oxidative Medicine and Cellular Longevity</i> , 2020, 2020, 1-14.	1.9	14
1454	Inhibition of oxidative metabolism by nitric oxide restricts EMCV replication selectively in pancreatic beta-cells. <i>Journal of Biological Chemistry</i> , 2020, 295, 18189-18198.	1.6	7
1455	Maternal Inactivity Programs Skeletal Muscle Dysfunction in Offspring Mice by Attenuating Apelin Signaling and Mitochondrial Biogenesis. <i>Cell Reports</i> , 2020, 33, 108461.	2.9	27
1456	Phosphorylation and Circadian Molecular Timing. <i>Frontiers in Physiology</i> , 2020, 11, 612510.	1.3	28
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1458	AMPK controls the axonal regenerative ability of dorsal root ganglia sensory neurons after spinal cord injury. <i>Nature Metabolism</i> , 2020, 2, 918-933.	5.1	30
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1462	The SnRK2 family in pepper (<i>Capsicum annuum</i> L.): genome-wide identification and expression analyses during fruit development and under abiotic stress. <i>Genes and Genomics</i> , 2020, 42, 1117-1130.	0.5	12
1463	Cancer-associated adipocytes: emerging supporters in breast cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 156.	3.5	86
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1465	AMPK inhibition protects against arterial thrombosis while sparing hemostasis through differential modulation of platelet responses. <i>Thrombosis Research</i> , 2020, 196, 175-185.	0.8	6
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1468	Metformin: A Potential Therapeutic Tool for Rheumatologists. <i>Pharmaceuticals</i> , 2020, 13, 234.	1.7	31
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#	ARTICLE	IF	CITATIONS
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1471	Increased metabolic rate associated with immune stimulation of heat-killed <i>Vibrio anguillarum</i> at different temperatures in zebrafish (<i>Danio rerio</i>). <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2020, 250, 110489.	0.7	6
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1474	Transcriptional Control of Circadian Rhythms and Metabolism: A Matter of Time and Space. <i>Endocrine Reviews</i> , 2020, 41, 707-732.	8.9	66
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1479	Skeletal Muscle Gene Expression in Long-Term Endurance and Resistance Trained Elderly. <i>International Journal of Molecular Sciences</i> , 2020, 21, 3988.	1.8	17
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1482	Adlay Seed (<i>Coix lacryma-jobi</i> L.) Extracts Exhibit a Prophylactic Effect on Diet-Induced Metabolic Dysfunction and Nonalcoholic Fatty Liver Disease in Mice. <i>Evidence-based Complementary and Alternative Medicine</i> , 2020, 2020, 1-12.	0.5	15
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1494	Metabolism of immune cells in cancer. <i>Nature Reviews Cancer</i> , 2020, 20, 516-531.	12.8	407
1495	The Role of AMPK Activation for Cardioprotection in Doxorubicin-Induced Cardiotoxicity. <i>Cardiovascular Drugs and Therapy</i> , 2020, 34, 255-269.	1.3	97
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1520	Regulation of AKT/AMPK signaling, autophagy and mitigation of apoptosis in Rutin-pretreated SH-SY5Y cells exposed to MPP+. Metabolic Brain Disease, 2021, 36, 315-326.	1.4	14
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#	ARTICLE	IF	CITATIONS
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#	ARTICLE	IF	CITATIONS
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