

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

77
papers

3,953
citations

32
h-index

62
g-index

83
ext. papers

4,692
ext. citations

7
avg, IF

5.25
L-index

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 77 | AMP-activated protein kinase mediates ischemic glucose uptake and prevents postischemic cardiac dysfunction, apoptosis, and injury. <i>Journal of Clinical Investigation</i> , 2004 , 114, 495-503 | 15.9 | 567 |
| 76 | Macrophage migration inhibitory factor stimulates AMP-activated protein kinase in the ischaemic heart. <i>Nature</i> , 2008 , 451, 578-82 | 50.4 | 347 |
| 75 | Genomic analyses identify distinct patterns of selection in domesticated pigs and Tibetan wild boars. <i>Nature Genetics</i> , 2013 , 45, 1431-8 | 36.3 | 306 |
| 74 | AMP-activated protein kinase activates p38 mitogen-activated protein kinase by increasing recruitment of p38 MAPK to TAB1 in the ischemic heart. <i>Circulation Research</i> , 2005 , 97, 872-9 | 15.7 | 188 |
| 73 | Role of the nitric oxide pathway in AMPK-mediated glucose uptake and GLUT4 translocation in heart muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004 , 287, E834-41 | 6 | 141 |
| 72 | AMP-activated protein kinase: a key stress signaling pathway in the heart. <i>Trends in Cardiovascular Medicine</i> , 2005 , 15, 110-8 | 6.9 | 139 |
| 71 | Impaired macrophage migration inhibitory factor-AMP-activated protein kinase activation and ischemic recovery in the senescent heart. <i>Circulation</i> , 2010 , 122, 282-92 | 16.7 | 133 |
| 70 | Sestrin2 promotes LKB1-mediated AMPK activation in the ischemic heart. <i>FASEB Journal</i> , 2015 , 29, 408-17 | 9 | 123 |
| 69 | Activation of AMPK inhibits inflammatory response during hypoxia and reoxygenation through modulating JNK-mediated NF- κ B pathway. <i>Metabolism: Clinical and Experimental</i> , 2018 , 83, 256-270 | 12.7 | 107 |
| 68 | Impaired SIRT1 nucleocytoplasmic shuttling in the senescent heart during ischemic stress. <i>FASEB Journal</i> , 2013 , 27, 4332-42 | 0.9 | 104 |
| 67 | AMP-activated protein kinase deficiency exacerbates aging-induced myocardial contractile dysfunction. <i>Aging Cell</i> , 2010 , 9, 592-606 | 9.9 | 96 |
| 66 | Elevated gadd153/chop expression and enhanced c-Jun N-terminal protein kinase activation sensitizes aged cells to ER stress. <i>Experimental Gerontology</i> , 2004 , 39, 735-44 | 4.5 | 90 |
| 65 | Sestrin2 prevents age-related intolerance to ischemia and reperfusion injury by modulating substrate metabolism. <i>FASEB Journal</i> , 2017 , 31, 4153-4167 | 0.9 | 76 |
| 64 | Acute rosiglitazone treatment is cardioprotective against ischemia-reperfusion injury by modulating AMPK, Akt, and JNK signaling in nondiabetic mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 301, H895-902 | 5.2 | 72 |
| 63 | The protective effect of trimetazidine on myocardial ischemia/reperfusion injury through activating AMPK and ERK signaling pathway. <i>Metabolism: Clinical and Experimental</i> , 2016 , 65, 122-30 | 12.7 | 68 |
| 62 | Cardiomyocyte-specific deletion of Sirt1 gene sensitizes myocardium to ischaemia and reperfusion injury. <i>Cardiovascular Research</i> , 2018 , 114, 805-821 | 9.9 | 61 |
| 61 | Limiting cardiac ischemic injury by pharmacological augmentation of macrophage migration inhibitory factor-AMP-activated protein kinase signal transduction. <i>Circulation</i> , 2013 , 128, 225-36 | 16.7 | 60 |

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|----|--|------|----|
| 60 | Sestrin2 prevents age-related intolerance to post myocardial infarction via AMPK/PGC-1 β pathway. <i>Journal of Molecular and Cellular Cardiology</i> , 2018 , 115, 170-178 | 5.8 | 58 |
| 59 | PPAR- δ and AMPK--advantageous targets for myocardial ischemia/reperfusion therapy. <i>Biochemical Pharmacology</i> , 2011 , 82, 195-200 | 6 | 58 |
| 58 | Activation of AMPK alpha- and gamma-isoform complexes in the intact ischemic rat heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H1927-34 | 5.2 | 55 |
| 57 | Aqueous enzymatic process assisted by microwave extraction of oil from yellow horn (<i>Xanthoceras sorbifolia</i> Bunge.) seed kernels and its quality evaluation. <i>Food Chemistry</i> , 2013 , 138, 2152-8 | 8.5 | 50 |
| 56 | Mitochondrial Complex I Inhibition by Metformin Limits Reperfusion Injury. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019 , 369, 282-290 | 4.7 | 49 |
| 55 | Empagliflozin Ameliorates Obesity-Related Cardiac Dysfunction by Regulating Sestrin2-Mediated AMPK-mTOR Signaling and Redox Homeostasis in High-Fat Diet-Induced Obese Mice. <i>Diabetes</i> , 2020 , 69, 1292-1305 | 0.9 | 46 |
| 54 | Metabolic shifts during aging and pathology. <i>Comprehensive Physiology</i> , 2015 , 5, 667-86 | 7.7 | 45 |
| 53 | Anti-inflammatory effects and hepatotoxicity of Tripterygium-loaded solid lipid nanoparticles on adjuvant-induced arthritis in rats. <i>Phytomedicine</i> , 2012 , 19, 998-1006 | 6.5 | 44 |
| 52 | Chronic caloric restriction and exercise improve metabolic conditions of dietary-induced obese mice in autophagy correlated manner without involving AMPK. <i>Journal of Diabetes Research</i> , 2013 , 2013, 852754 | 3.9 | 44 |
| 51 | Antithrombin up-regulates AMP-activated protein kinase signalling during myocardial ischaemia/reperfusion injury. <i>Thrombosis and Haemostasis</i> , 2015 , 113, 338-49 | 7 | 39 |
| 50 | Common mechanisms for declines in oxidative stress tolerance and proliferation with aging. <i>Free Radical Biology and Medicine</i> , 2003 , 35, 292-9 | 7.8 | 39 |
| 49 | Protective effect of polysaccharides on simulated microgravity-induced functional inhibition of human NK cells. <i>Carbohydrate Polymers</i> , 2014 , 101, 819-27 | 10.3 | 38 |
| 48 | SIRT1 agonism modulates cardiac NLRP3 inflammasome through pyruvate dehydrogenase during ischemia and reperfusion. <i>Redox Biology</i> , 2020 , 34, 101538 | 11.3 | 38 |
| 47 | The endotoxemia cardiac dysfunction is attenuated by AMPK/mTOR signaling pathway regulating autophagy. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 492, 520-527 | 3.4 | 37 |
| 46 | AMPK: a therapeutic target of heart failure-not only metabolism regulation. <i>Bioscience Reports</i> , 2019 , 39, | 4.1 | 36 |
| 45 | AMPK: a balancer of the renin-angiotensin system. <i>Bioscience Reports</i> , 2019 , 39, | 4.1 | 32 |
| 44 | Urocortin 2 autocrine/paracrine and pharmacologic effects to activate AMP-activated protein kinase in the heart. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 16133-8 | 11.5 | 31 |
| 43 | AMPK is associated with the beneficial effects of antidiabetic agents on cardiovascular diseases. <i>Bioscience Reports</i> , 2019 , 39, | 4.1 | 30 |

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|----|--|------|----|
| 42 | Empagliflozin attenuates ischemia and reperfusion injury through LKB1/AMPK signaling pathway. <i>Molecular and Cellular Endocrinology</i> , 2020 , 501, 110642 | 4.4 | 30 |
| 41 | Cardioprotective actions of Notch1 against myocardial infarction via LKB1-dependent AMPK signaling pathway. <i>Biochemical Pharmacology</i> , 2016 , 108, 47-57 | 6 | 30 |
| 40 | Cardiac-Specific Deletion of the Pdha1 Gene Sensitizes Heart to Toxicological Actions of Ischemic Stress. <i>Toxicological Sciences</i> , 2016 , 151, 193-203 | 4.4 | 27 |
| 39 | GsMTx4-D is a cardioprotectant against myocardial infarction during ischemia and reperfusion. <i>Journal of Molecular and Cellular Cardiology</i> , 2016 , 98, 83-94 | 5.8 | 25 |
| 38 | Integration of high-resolution physical and genetic map reveals differential recombination frequency between chromosomes and the genome assembling quality in cucumber. <i>PLoS ONE</i> , 2013 , 8, e62676 | 3.7 | 23 |
| 37 | Dichloroacetate Ameliorates Cardiac Dysfunction Caused by Ischemic Insults Through AMPK Signal Pathway-Not Only Shifts Metabolism. <i>Toxicological Sciences</i> , 2019 , 167, 604-617 | 4.4 | 22 |
| 36 | The structure-activity relationship of ginsenosides on hypoxia-reoxygenation induced apoptosis of cardiomyocytes. <i>Biochemical and Biophysical Research Communications</i> , 2017 , 494, 556-568 | 3.4 | 20 |
| 35 | Loss of sestrin 2 potentiates the early onset of age-related sensory cell degeneration in the cochlea. <i>Neuroscience</i> , 2017 , 361, 179-191 | 3.9 | 19 |
| 34 | AMPK Activators as a Drug for Diabetes, Cancer and Cardiovascular Disease. <i>Pharmaceutical Regulatory Affairs: Open Access</i> , 2014 , 3, | | 19 |
| 33 | The cardioprotective effects of carvedilol on ischemia and reperfusion injury by AMPK signaling pathway. <i>Biomedicine and Pharmacotherapy</i> , 2019 , 117, 109106 | 7.5 | 18 |
| 32 | AMPK in myocardial infarction and diabetes: the yin/yang effect. <i>Acta Pharmaceutica Sinica B</i> , 2012 , 2, 368-378 | 15.5 | 17 |
| 31 | SIRT1/SIRT3 Modulates Redox Homeostasis during Ischemia/Reperfusion in the Aging Heart. <i>Antioxidants</i> , 2020 , 9, | 7.1 | 16 |
| 30 | Prospective study revealed prognostic significance of responses in leptomeningeal metastasis and clinical value of cerebrospinal fluid-based liquid biopsy. <i>Lung Cancer</i> , 2018 , 125, 142-149 | 5.9 | 16 |
| 29 | Clinical features and prognosis of patients with thrombotic thrombocytopenic purpura associated with systemic lupus erythematosus: a review of 25 cases. <i>Italian Journal of Pediatrics</i> , 2019 , 45, 55 | 3.2 | 14 |
| 28 | L-Carnitine Attenuates Cardiac Dysfunction by Ischemic Insults Through Akt Signaling Pathway. <i>Toxicological Sciences</i> , 2017 , 160, 341-350 | 4.4 | 13 |
| 27 | The Modulation of Cardiac Contractile Function by the Pharmacological and Toxicological Effects of Urocortin2. <i>Toxicological Sciences</i> , 2015 , 148, 581-93 | 4.4 | 13 |
| 26 | Developed market or developing market?: A perspective of institutional theory on multinational enterprises Diversification and sustainable development with environmental protection. <i>Business Strategy and the Environment</i> , 2018 , 27, 858-871 | 8.6 | 13 |
| 25 | Sestrin2 modulates cardiac inflammatory response through maintaining redox homeostasis during ischemia and reperfusion. <i>Redox Biology</i> , 2020 , 34, 101556 | 11.3 | 13 |

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| 24 | Direct Cardiac Actions of the Sodium Glucose Co-Transporter 2 Inhibitor Empagliflozin Improve Myocardial Oxidative Phosphorylation and Attenuate Pressure-Overload Heart Failure. <i>Journal of the American Heart Association</i> , 2021 , 10, e018298 | 6 | 13 |
| 23 | Identification and Expression Analysis of D-type Cyclin Genes in Early Developing Fruit of Cucumber (<i>Cucumis sativus</i> L.). <i>Plant Molecular Biology Reporter</i> , 2014 , 32, 209-218 | 1.7 | 12 |
| 22 | Activated protein C protects against pressure overload-induced hypertrophy through AMPK signaling. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 495, 2584-2594 | 3.4 | 11 |
| 21 | Loudness perception affected by early age hearing loss. <i>Hearing Research</i> , 2014 , 313, 18-25 | 3.9 | 11 |
| 20 | Macrophage migration inhibitory factor polymorphism is associated with susceptibility to inflammatory coronary heart disease. <i>BioMed Research International</i> , 2015 , 2015, 315174 | 3 | 11 |
| 19 | The Cardioprotective Signaling Activity of Activated Protein C in Heart Failure and Ischemic Heart Diseases. <i>International Journal of Molecular Sciences</i> , 2019 , 20, | 6.3 | 10 |
| 18 | CD74 knockout attenuates alcohol intake-induced cardiac dysfunction through AMPK-Skp2-mediated regulation of autophagy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019 , 1865, 2368-2378 | 6.9 | 9 |
| 17 | Caloric Restriction Normalizes Obesity-Induced Alterations on Regulators of Skeletal Muscle Growth Signaling. <i>Lipids</i> , 2016 , 51, 905-12 | 1.6 | 9 |
| 16 | Cloning and expression analysis of Cs-TIR1/AFB2: the fruit development-related genes of cucumber (<i>Cucumis sativus</i> L.). <i>Acta Physiologiae Plantarum</i> , 2014 , 36, 139-149 | 2.6 | 8 |
| 15 | Substrate metabolism regulated by Sestrin2-mTORC1 alleviates pressure overload-induced cardiac hypertrophy in aged heart. <i>Redox Biology</i> , 2020 , 36, 101637 | 11.3 | 8 |
| 14 | Sestrin2 maintains OXPHOS integrity to modulate cardiac substrate metabolism during ischemia and reperfusion. <i>Redox Biology</i> , 2021 , 38, 101824 | 11.3 | 7 |
| 13 | Natural ¹⁵ N Abundance in Winter Wheat Amended with Urea and Compost: A Long-Term Experiment. <i>Pedosphere</i> , 2013 , 23, 835-843 | 5 | 6 |
| 12 | Alterations in mitochondrial dynamics with age-related Sirtuin1/Sirtuin3 deficiency impair cardiomyocyte contractility. <i>Aging Cell</i> , 2021 , 20, e13419 | 9.9 | 6 |
| 11 | GRK5 Controls SAP97-Dependent Cardiotoxic β -Adrenergic Receptor-CaMKII Signaling in Heart Failure. <i>Circulation Research</i> , 2020 , 127, 796-810 | 15.7 | 4 |
| 10 | V.O2 Kinetics and clinical factors among patients with peripheral artery disease. <i>Journal of Cardiopulmonary Rehabilitation and Prevention</i> , 2013 , 33, 411-8 | 3.6 | 4 |
| 9 | The Cardiac Dysfunction Caused by Metabolic Alterations in Alzheimer's Disease.. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 850538 | 5.4 | 3 |
| 8 | Revisiting preeclampsia: a metabolic disorder of the placenta. <i>FEBS Journal</i> , 2021 , | 5.7 | 2 |
| 7 | BSCL2/Seipin deficiency in hearts causes cardiac energy deficit and dysfunction via inducing excessive lipid catabolism.. <i>Clinical and Translational Medicine</i> , 2022 , 12, e736 | 5.7 | 0 |

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5 STK35 Gene Therapy Attenuates Endothelial Dysfunction and Improves Cardiac Function in Diabetes.. *Frontiers in Cardiovascular Medicine*, **2021**, 8, 798091 5.4

4 AMPK as a metabolic sensor regulates inflammatory response during ischemic insults. *FASEB Journal*, **2018**, 32, 906.9 0.9

3 The Cardioprotective Effect of Dexamethasone through Activation of RISK Pathway. *FASEB Journal*, **2015**, 29, 1026.6 0.9

2 TUG Mediates GLUT4 Translocation by AMP-Activated Protein Kinase in the Heart. *FASEB Journal*, **2015**, 29, 1026.7 0.9

1 Sestrin2 is cardioprotective against ischemia/reperfusion injury by promoting LKB1-mediated AMPK activation. *FASEB Journal*, **2013**, 27, 652.9 0.9