

# Ian P Salt

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

4,690  
citations

159358

30  
h-index

233125

45  
g-index

46  
all docs

46  
docs citations

46  
times ranked

6386  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                       | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Characterization of AMP-activated protein kinase $\hat{1}^3$ -subunit isoforms and their role in AMP binding. <i>Biochemical Journal</i> , 2000, 346, 659-669.                                                                                | 1.7 | 534       |
| 2  | AMP-activated protein kinase: greater AMP dependence, and preferential nuclear localization, of complexes containing the $\hat{1}^2$ isoform. <i>Biochemical Journal</i> , 1998, 334, 177-187.                                                | 1.7 | 410       |
| 3  | AMP-activated protein kinase is activated by low glucose in cell lines derived from pancreatic $\hat{1}^2$ cells, and may regulate insulin release. <i>Biochemical Journal</i> , 1998, 335, 533-539.                                          | 1.7 | 382       |
| 4  | AMP-activated protein kinase: an ultrasensitive system for monitoring cellular energy charge. <i>Biochemical Journal</i> , 1999, 338, 717-722.                                                                                                | 1.7 | 318       |
| 5  | Direct Activation of AMP-activated Protein Kinase Stimulates Nitric-oxide Synthesis in Human Aortic Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 31629-31639.                                                       | 1.6 | 312       |
| 6  | The Na <sup>+</sup> /Glucose Cotransporter Inhibitor Canagliflozin Activates AMPK by Inhibiting Mitochondrial Function and Increasing Cellular AMP Levels. <i>Diabetes</i> , 2016, 65, 2784-2794.                                             | 0.3 | 277       |
| 7  | Role of AMP-activated protein kinase in adipose tissue metabolism and inflammation. <i>Clinical Science</i> , 2013, 124, 491-507.                                                                                                             | 1.8 | 246       |
| 8  | The $\hat{1}^1$ and $\hat{1}^2$ 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.                        | 1.3 | 233       |
| 9  | Canagliflozin inhibits interleukin-1 $\hat{1}^2$ -stimulated cytokine and chemokine secretion in vascular endothelial cells by AMP-activated protein kinase-dependent and -independent mechanisms. <i>Scientific Reports</i> , 2018, 8, 5276. | 1.6 | 173       |
| 10 | AMP-Activated Protein Kinase. <i>Circulation Research</i> , 2017, 120, 1825-1841.                                                                                                                                                             | 2.0 | 157       |
| 11 | Characterization of AMP-activated protein kinase $\hat{1}^3$ -subunit isoforms and their role in AMP binding. <i>Biochemical Journal</i> , 2000, 346, 659.                                                                                    | 1.7 | 140       |
| 12 | Exploiting the anti-inflammatory effects of AMP-activated protein kinase activation. <i>Expert Opinion on Investigational Drugs</i> , 2012, 21, 1155-1167.                                                                                    | 1.9 | 121       |
| 13 | Metformin suppresses adipogenesis through both AMP-activated protein kinase (AMPK)-dependent and AMPK-independent mechanisms. <i>Molecular and Cellular Endocrinology</i> , 2017, 440, 57-68.                                                 | 1.6 | 105       |
| 14 | AMP-activated protein kinase mediates VEGF-stimulated endothelial NO production. <i>Biochemical and Biophysical Research Communications</i> , 2007, 354, 1084-1088.                                                                           | 1.0 | 90        |
| 15 | Fat Oxidation, Fitness and Skeletal Muscle Expression of Oxidative/Lipid Metabolism Genes in South Asians: Implications for Insulin Resistance?. <i>PLoS ONE</i> , 2010, 5, e14197.                                                           | 1.1 | 83        |
| 16 | Metformin Reverses Development of Pulmonary Hypertension via Aromatase Inhibition. <i>Hypertension</i> , 2016, 68, 446-454.                                                                                                                   | 1.3 | 83        |
| 17 | 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        |
| 18 | Rosiglitazone Stimulates Nitric Oxide Synthesis in Human Aortic Endothelial Cells via AMP-activated Protein Kinase*. <i>Journal of Biological Chemistry</i> , 2008, 283, 11210-11217.                                                         | 1.6 | 82        |

| #  | ARTICLE                                                                                                                                                                                                                                         | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | 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        |
| 20 | High Glucose Inhibits Insulin-stimulated Nitric Oxide Production without Reducing Endothelial Nitric-oxide Synthase Ser1177 Phosphorylation in Human Aortic Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2003, 278, 18791-18797. | 1.6 | 79        |
| 21 | The role of insulin and the adipocytokines in regulation of vascular endothelial function. <i>Clinical Science</i> , 2004, 107, 519-532.                                                                                                        | 1.8 | 77        |
| 22 | AMP-activated protein kinase (AMPK) as a potential therapeutic target independent of PI3K/Akt signaling in prostate cancer. <i>Oncoscience</i> , 2014, 1, 446-456.                                                                              | 0.9 | 66        |
| 23 | AMP-activated protein kinase is activated in adipose tissue of individuals with type 2 diabetes treated with metformin: a randomised glycaemia-controlled crossover study. <i>Diabetologia</i> , 2011, 54, 1799-1809.                           | 2.9 | 64        |
| 24 | Mitochondrial reactive oxygen species enhance AMP-activated protein kinase activation in the endothelium of patients with coronary artery disease and diabetes. <i>Clinical Science</i> , 2013, 124, 403-411.                                   | 1.8 | 61        |
| 25 | Protein kinase C phosphorylates AMP-activated protein kinase $\alpha$ 1 Ser487. <i>Biochemical Journal</i> , 2016, 473, 4681-4697.                                                                                                              | 1.7 | 57        |
| 26 | Inhibition of Tumor Necrosis Factor $\alpha$ -stimulated Monocyte Adhesion to Human Aortic Endothelial Cells by AMP-Activated Protein Kinase. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 2255-2257.                  | 1.1 | 53        |
| 27 | High Fat Diet Attenuates the Anticontractile Activity of Aortic PVAT via a Mechanism Involving AMPK and Reduced Adiponectin Secretion. <i>Frontiers in Physiology</i> , 2018, 9, 51.                                                            | 1.3 | 51        |
| 28 | Linking energy sensing to suppression of JAK-STAT signalling: A potential route for repurposing AMPK activators?. <i>Pharmacological Research</i> , 2018, 128, 88-100.                                                                          | 3.1 | 35        |
| 29 | Insulin-stimulated phosphorylation of endothelial nitric oxide synthase at serine-615 contributes to nitric oxide synthesis. <i>Biochemical Journal</i> , 2010, 426, 85-90.                                                                     | 1.7 | 34        |
| 30 | The role of AMP-activated protein kinase in the functional effects of vascular endothelial growth factor-A and -B in human aortic endothelial cells. <i>Vascular Cell</i> , 2011, 3, 9.                                                         | 0.2 | 34        |
| 31 | Lin28A induces energetic switching to glycolytic metabolism in human embryonic kidney cells. <i>Stem Cell Research and Therapy</i> , 2016, 7, 78.                                                                                               | 2.4 | 28        |
| 32 | Deletion of AMPK $\alpha$ 1 attenuates the anticontractile effect of perivascular adipose tissue (PVAT) and reduces adiponectin release. <i>British Journal of Pharmacology</i> , 2017, 174, 3398-3410.                                         | 2.7 | 26        |
| 33 | Investigation of the specificity and mechanism of action of the ULK1/AMPK inhibitor SBI-0206965. <i>Biochemical Journal</i> , 2021, 478, 2977-2997.                                                                                             | 1.7 | 26        |
| 34 | AMP-activated protein kinase complexes containing the $\beta$ 2 regulatory subunit are up-regulated during and contribute to adipogenesis. <i>Biochemical Journal</i> , 2019, 476, 1725-1740.                                                   | 1.7 | 20        |
| 35 | Investigating the Role of AMPK in Inflammation. <i>Methods in Molecular Biology</i> , 2018, 1732, 307-319.                                                                                                                                      | 0.4 | 13        |
| 36 | Insulin rapidly stimulates l-arginine transport in human aortic endothelial cells via Akt. <i>Biochemical and Biophysical Research Communications</i> , 2011, 412, 747-751.                                                                     | 1.0 | 10        |

| #  | ARTICLE                                                                                                                                                                                               | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Regulation of nutrient uptake by AMP-activated protein kinase. Cellular Signalling, 2020, 76, 109807.                                                                                                 | 1.7 | 10        |
| 38 | Examining the role of insulin in the regulation of cardiovascular health. Future Cardiology, 2013, 9, 39-52.                                                                                          | 0.5 | 9         |
| 39 | A769662 Inhibits Insulin-Stimulated Akt Activation in Human Macrovascular Endothelial Cells Independent of AMP-Activated Protein Kinase. International Journal of Molecular Sciences, 2018, 19, 3886. | 1.8 | 9         |
| 40 | A-769662 inhibits adipocyte glucose uptake in an AMPK-independent manner. Biochemical Journal, 2021, 478, 633-646.                                                                                    | 1.7 | 9         |
| 41 | Molecular mechanisms regulating perivascular adipose tissue – potential pharmacological targets?. British Journal of Pharmacology, 2017, 174, 3385-3387.                                              | 2.7 | 4         |
| 42 | AMPK – friend or foe for targeted therapy?. Cell Cycle, 2015, 14, 1761-1762.                                                                                                                          | 1.3 | 2         |
| 43 | Genetic and Cytological Methods to Study ESCRT Cell Cycle Function in Fission Yeast. Methods in Molecular Biology, 2019, 1998, 239-250.                                                               | 0.4 | 2         |
| 44 | Metformin again? Atheroprotection mediated by macrophage AMPK and ATF1. Cardiovascular Research, 2021, 117, 1233-1234.                                                                                | 1.8 | 1         |
| 45 | Nutrient regulation of inflammatory signalling in obesity and vascular disease. Clinical Science, 2021, 135, 1563-1590.                                                                               | 1.8 | 1         |
| 46 | Diabetes and Vascular Disease. , 2019, , 429-437.                                                                                                                                                     |     | 0         |