

# Ian P Salt

## List of Publications by Year in descending order

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46  
papers

4,690  
citations

160422

30  
h-index

234334

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.	3.8	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.	3.8	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.	3.8	382
4	AMP-activated protein kinase: an ultrasensitive system for monitoring cellular energy charge. <i>Biochemical Journal</i> , 1999, 338, 717-722.	3.8	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.	3.5	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.	0.6	277
7	Role of AMP-activated protein kinase in adipose tissue metabolism and inflammation. <i>Clinical Science</i> , 2013, 124, 491-507.	4.3	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.	2.9	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.	3.4	173
10	AMP-Activated Protein Kinase. <i>Circulation Research</i> , 2017, 120, 1825-1841.	4.6	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.	3.8	140
12	Exploiting the anti-inflammatory effects of AMP-activated protein kinase activation. <i>Expert Opinion on Investigational Drugs</i> , 2012, 21, 1155-1167.	4.1	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.	3.3	105
14	AMP-activated protein kinase mediates VEGF-stimulated endothelial NO production. <i>Biochemical and Biophysical Research Communications</i> , 2007, 354, 1084-1088.	2.2	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.	2.5	83
16	Metformin Reverses Development of Pulmonary Hypertension via Aromatase Inhibition. <i>Hypertension</i> , 2016, 68, 446-454.	2.8	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.	3.3	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.	3.5	82

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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.	3.6	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.	3.5	79
21	The role of insulin and the adipocytokines in regulation of vascular endothelial function. <i>Clinical Science</i> , 2004, 107, 519-532.	4.3	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.	2.2	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.	6.4	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.	4.3	61
25	Protein kinase C phosphorylates AMP-activated protein kinase $\alpha$ 1 Ser487. <i>Biochemical Journal</i> , 2016, 473, 4681-4697.	3.8	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.	2.4	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.	2.8	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.	7.1	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.	3.8	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.	5.6	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.	5.5	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.	3.8	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.	3.8	20
35	Investigating the Role of AMPK in Inflammation. <i>Methods in Molecular Biology</i> , 2018, 1732, 307-319.	0.9	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.	2.2	10

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37	Regulation of nutrient uptake by AMP-activated protein kinase. Cellular Signalling, 2020, 76, 109807.	3.6	10
38	Examining the role of insulin in the regulation of cardiovascular health. Future Cardiology, 2013, 9, 39-52.	1.2	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.	4.1	9
40	A-769662 inhibits adipocyte glucose uptake in an AMPK-independent manner. Biochemical Journal, 2021, 478, 633-646.	3.8	9
41	Molecular mechanisms regulating perivascular adipose tissue – potential pharmacological targets?. British Journal of Pharmacology, 2017, 174, 3385-3387.	5.5	4
42	AMPK – friend or foe for targeted therapy?. Cell Cycle, 2015, 14, 1761-1762.	2.6	2
43	Genetic and Cytological Methods to Study ESCRT Cell Cycle Function in Fission Yeast. Methods in Molecular Biology, 2019, 1998, 239-250.	0.9	2
44	Metformin again? Atheroprotection mediated by macrophage AMPK and ATF1. Cardiovascular Research, 2021, 117, 1233-1234.	3.8	1
45	Nutrient regulation of inflammatory signalling in obesity and vascular disease. Clinical Science, 2021, 135, 1563-1590.	4.3	1
46	Diabetes and Vascular Disease. , 2019, , 429-437.		0