Iain Scott

List of Publications by Year in descending order

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34 papers	1,277 citations	430874 18 h-index	395702 33 g-index
42 all docs	42 docs citations	42 times ranked	3776 citing authors

#	Article	IF	Citations
1	Identification of a molecular component of the mitochondrial acetyltransferase programme: a novel role for GCN5L1. Biochemical Journal, 2012, 443, 655-661.	3.7	184
2	SIRT3 is regulated by nutrient excess and modulates hepatic susceptibility to lipotoxicity. Free Radical Biology and Medicine, 2010, 49, 1230-1237.	2.9	148
3	GCN5-like Protein 1 (GCN5L1) Controls Mitochondrial Content through Coordinated Regulation of Mitochondrial Biogenesis and Mitophagy. Journal of Biological Chemistry, 2014, 289, 2864-2872.	3.4	104
4	Restricted mitochondrial protein acetylation initiates mitochondrial autophagy. Journal of Cell Science, 2013, 126, 4843-9.	2.0	85
5	Adropin regulates pyruvate dehydrogenase in cardiac cells via a novel GPCR-MAPK-PDK4 signaling pathway. Redox Biology, 2018, 18, 25-32.	9.0	66
6	The role of mitochondria in the mammalian antiviral defense system. Mitochondrion, 2010, 10, 316-320.	3.4	62
7	The protein acetylase GCN5L1 modulates hepatic fatty acid oxidation activity via acetylation of the mitochondrial Î²-oxidation enzyme HADHA. Journal of Biological Chemistry, 2018, 293, 17676-17684.	3.4	62
8	Acetylation of mitochondrial proteins by GCN5L1 promotes enhanced fatty acid oxidation in the heart. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H265-H274.	3.2	60
9	Regulation of autophagy and mitophagy by nutrient availability and acetylation. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2014, 1841, 525-534.	2.4	56
10	GCN5L1/BLOS1 Links Acetylation, Organelle Remodeling, and Metabolism. Trends in Cell Biology, 2018, 28, 346-355.	7.9	42
11	GCN5L1 modulates cross-talk between mitochondria and cell signaling to regulate FoxO1 stability and gluconeogenesis. Nature Communications, 2017, 8, 523.	12.8	41
12	Adropin treatment restores cardiac glucose oxidation in pre-diabetic obese mice. Journal of Molecular and Cellular Cardiology, 2019, 129, 174-178.	1.9	41
13	Adropin reduces blood glucose levels in mice by limiting hepatic glucose production. Physiological Reports, 2019, 7, e14043.	1.7	34
14	Minnelide/Triptolide Impairs Mitochondrial Function by Regulating SIRT3 in P53-Dependent Manner in Non-Small Cell Lung Cancer. PLoS ONE, 2016, 11, e0160783.	2.5	34
15	Adropin: a hepatokine modulator of vascular function and cardiac fuel metabolism. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H238-H244.	3.2	29
16	Liver-specific Prkn knockout mice are more susceptible to diet-induced hepatic steatosis and insulin resistance. Molecular Metabolism, 2020, 41, 101051.	6.5	27
17	Regulation of cellular homoeostasis by reversible lysine acetylation. Essays in Biochemistry, 2012, 52, 13-22.	4.7	25
18	Loss of GCN5L1 in cardiac cells disrupts glucose metabolism and promotes cell death via reduced Akt/mTORC2 signaling. Biochemical Journal, 2019, 476, 1713-1724.	3.7	22

#	Article	IF	Citations
19	Cardiac-specific deletion of GCN5L1 restricts recovery from ischemia-reperfusion injury. Journal of Molecular and Cellular Cardiology, 2019, 129, 69-78.	1.9	19
20	Cardiomyocyte-specific deletion of GCN5L1 in mice restricts mitochondrial protein hyperacetylation in response to a high fat diet. Scientific Reports, 2020, 10, 10665.	3.3	17
21	Rescue of myocardial energetic dysfunction in diabetes through the correction of mitochondrial hyperacetylation by honokiol. JCI Insight, 2020, 5, .	5.0	17
22	GCN5L1 interacts with Î±TAT1 and RanBP2 to regulate hepatic Î±-tubulin acetylation and lysosome trafficking. Journal of Cell Science, 2018, 131, .	2.0	15
23	Mitochondrial factors in the regulation of innate immunity. Microbes and Infection, 2009, 11, 729-736.	1.9	12
24	Myocardial brain-derived neurotrophic factor regulates cardiac bioenergetics through the transcription factor Yin Yang 1. Cardiovascular Research, 2023, 119, 571-586.	3.8	12
25	Î±-Lipoic acid promotes Î±-tubulin hyperacetylation and blocks the turnover of mitochondria through mitophagy. Biochemical Journal, 2016, 473, 1821-1830.	3.7	11
26	Loss of GCN5L1 in cardiac cells limits mitochondrial respiratory capacity under hyperglycemic conditions. Physiological Reports, 2019, 7, e14054.	1.7	9
27	Calreticulin expression in human cardiac myocytes induces ER stressâ€associated apoptosis. Physiological Reports, 2020, 8, e14400.	1.7	8
28	The emerging roles of GCN5L1 in mitochondrial and vacuolar organelle biology. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2021, 1864, 194598.	1.9	8
29	Empagliflozin restores cardiac metabolic flexibility in diet-induced obese C57BL6/J mice. Current Research in Physiology, 2022, 5, 232-239.	1.7	8
30	GPER-dependent estrogen signaling increases cardiac GCN5L1 expression. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 322, H762-H768.	3.2	6
31	Rethinking Protein Acetylation in Pressure Overload-Induced Heart Failure. Circulation Research, 2020, 127, 1109-1111.	4.5	5
32	Increased fatty acid oxidation enzyme activity in the hearts of mice fed a high fat diet does not correlate with improved cardiac contractile function. Current Research in Physiology, 2020, 3, 44-49.	1.7	4
33	Diet-induced obese mice are resistant to improvements in cardiac function resulting from short-term adropin treatment. Current Research in Physiology, 2022, 5, 55-62.	1.7	3
34	Gcn5â€like Protein 1 (Gcn5L1) Regulates Unfolded Protein Response and Hepatic Glucose Production. FASEB Journal, 2015, 29, 884.26.	0.5	0