

Iain Scott

List of Publications by Year in descending order

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34
papers

1,277
citations

430754

18
h-index

395590

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. <i>Biochemical Journal</i> , 2012, 443, 655-661.	1.7	184
2	SIRT3 is regulated by nutrient excess and modulates hepatic susceptibility to lipotoxicity. <i>Free Radical Biology and Medicine</i> , 2010, 49, 1230-1237.	1.3	148
3	GCN5-like Protein 1 (GCN5L1) Controls Mitochondrial Content through Coordinated Regulation of Mitochondrial Biogenesis and Mitophagy. <i>Journal of Biological Chemistry</i> , 2014, 289, 2864-2872.	1.6	104
4	Restricted mitochondrial protein acetylation initiates mitochondrial autophagy. <i>Journal of Cell Science</i> , 2013, 126, 4843-9.	1.2	85
5	Adropin regulates pyruvate dehydrogenase in cardiac cells via a novel GPCR-MAPK-PDK4 signaling pathway. <i>Redox Biology</i> , 2018, 18, 25-32.	3.9	66
6	The role of mitochondria in the mammalian antiviral defense system. <i>Mitochondrion</i> , 2010, 10, 316-320.	1.6	62
7	The protein acetylase GCN5L1 modulates hepatic fatty acid oxidation activity via acetylation of the mitochondrial β^2 -oxidation enzyme HADHA. <i>Journal of Biological Chemistry</i> , 2018, 293, 17676-17684.	1.6	62
8	Acetylation of mitochondrial proteins by GCN5L1 promotes enhanced fatty acid oxidation in the heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 313, H265-H274.	1.5	60
9	Regulation of autophagy and mitophagy by nutrient availability and acetylation. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 525-534.	1.2	56
10	GCN5L1/BLOS1 Links Acetylation, Organelle Remodeling, and Metabolism. <i>Trends in Cell Biology</i> , 2018, 28, 346-355.	3.6	42
11	GCN5L1 modulates cross-talk between mitochondria and cell signaling to regulate FoxO1 stability and gluconeogenesis. <i>Nature Communications</i> , 2017, 8, 523.	5.8	41
12	Adropin treatment restores cardiac glucose oxidation in pre-diabetic obese mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 129, 174-178.	0.9	41
13	Adropin reduces blood glucose levels in mice by limiting hepatic glucose production. <i>Physiological Reports</i> , 2019, 7, e14043.	0.7	34
14	Minnelide/Triptolide Impairs Mitochondrial Function by Regulating SIRT3 in P53-Dependent Manner in Non-Small Cell Lung Cancer. <i>PLoS ONE</i> , 2016, 11, e0160783.	1.1	34
15	Adropin: a hepatokine modulator of vascular function and cardiac fuel metabolism. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H238-H244.	1.5	29
16	Liver-specific Prkn knockout mice are more susceptible to diet-induced hepatic steatosis and insulin resistance. <i>Molecular Metabolism</i> , 2020, 41, 101051.	3.0	27
17	Regulation of cellular homeostasis by reversible lysine acetylation. <i>Essays in Biochemistry</i> , 2012, 52, 13-22.	2.1	25
18	Loss of GCN5L1 in cardiac cells disrupts glucose metabolism and promotes cell death via reduced Akt/mTORC2 signaling. <i>Biochemical Journal</i> , 2019, 476, 1713-1724.	1.7	22

#	ARTICLE	IF	CITATIONS
19	Cardiac-specific deletion of GCN5L1 restricts recovery from ischemia-reperfusion injury. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 129, 69-78.	0.9	19
20	Cardiomyocyte-specific deletion of GCN5L1 in mice restricts mitochondrial protein hyperacetylation in response to a high fat diet. <i>Scientific Reports</i> , 2020, 10, 10665.	1.6	17
21	Rescue of myocardial energetic dysfunction in diabetes through the correction of mitochondrial hyperacetylation by honokiol. <i>JCI Insight</i> , 2020, 5, .	2.3	17
22	GCN5L1 interacts with α -TAT1 and RanBP2 to regulate hepatic α -tubulin acetylation and lysosome trafficking. <i>Journal of Cell Science</i> , 2018, 131, .	1.2	15
23	Mitochondrial factors in the regulation of innate immunity. <i>Microbes and Infection</i> , 2009, 11, 729-736.	1.0	12
24	Myocardial brain-derived neurotrophic factor regulates cardiac bioenergetics through the transcription factor Yin Yang 1. <i>Cardiovascular Research</i> , 2023, 119, 571-586.	1.8	12
25	α -Lipoic acid promotes α -tubulin hyperacetylation and blocks the turnover of mitochondria through mitophagy. <i>Biochemical Journal</i> , 2016, 473, 1821-1830.	1.7	11
26	Loss of GCN5L1 in cardiac cells limits mitochondrial respiratory capacity under hyperglycemic conditions. <i>Physiological Reports</i> , 2019, 7, e14054.	0.7	9
27	Calreticulin expression in human cardiac myocytes induces ER stress-associated apoptosis. <i>Physiological Reports</i> , 2020, 8, e14400.	0.7	8
28	The emerging roles of GCN5L1 in mitochondrial and vacuolar organelle biology. <i>Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms</i> , 2021, 1864, 194598.	0.9	8
29	Empagliflozin restores cardiac metabolic flexibility in diet-induced obese C57BL6/J mice. <i>Current Research in Physiology</i> , 2022, 5, 232-239.	0.8	8
30	GPER-dependent estrogen signaling increases cardiac GCN5L1 expression. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 322, H762-H768.	1.5	6
31	Rethinking Protein Acetylation in Pressure Overload-Induced Heart Failure. <i>Circulation Research</i> , 2020, 127, 1109-1111.	2.0	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. <i>Current Research in Physiology</i> , 2020, 3, 44-49.	0.8	4
33	Diet-induced obese mice are resistant to improvements in cardiac function resulting from short-term adropin treatment. <i>Current Research in Physiology</i> , 2022, 5, 55-62.	0.8	3
34	Gcn5-like Protein 1 (Gcn5L1) Regulates Unfolded Protein Response and Hepatic Glucose Production. <i>FASEB Journal</i> , 2015, 29, 884.26.	0.2	0