

Laurent Bultot

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,509
citations

516710

16
h-index

610901

24
g-index

27
all docs

27
docs citations

27
times ranked

2862
citing authors

#	ARTICLE	IF	CITATIONS
1	AMPK β 1 Regulates Macrophage Skewing at the Time of Resolution of Inflammation during Skeletal Muscle Regeneration. <i>Cell Metabolism</i> , 2013, 18, 251-264.	16.2	375
2	AMPK activation counteracts cardiac hypertrophy by reducing O-GlcNAcylation. <i>Nature Communications</i> , 2018, 9, 374.	12.8	179
3	Medium-chain fatty acids inhibit mitochondrial metabolism in astrocytes promoting astrocyte-neuron lactate and ketone body shuttle systems. <i>FASEB Journal</i> , 2016, 30, 1913-1926.	0.5	119
4	Mechanism of Action of Compound-13: An β 1-Selective Small Molecule Activator of AMPK. <i>Chemistry and Biology</i> , 2014, 21, 866-879.	6.0	103
5	AMP-activated protein kinase phosphorylates and inactivates liver glycogen synthase. <i>Biochemical Journal</i> , 2012, 443, 193-203.	3.7	98
6	AMPK β 1-LDH pathway regulates muscle stem cell self-renewal by controlling metabolic homeostasis. <i>EMBO Journal</i> , 2017, 36, 1946-1962.	7.8	95
7	Enhanced activation of cellular AMPK by dual-small molecule treatment: AICAR and A769662. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 306, E688-E696.	3.5	75
8	The Salt-Inducible Kinases: Emerging Metabolic Regulators. <i>Trends in Endocrinology and Metabolism</i> , 2018, 29, 827-840.	7.1	67
9	PFKFB3 activation in cancer cells by the p38/MK2 pathway in response to stress stimuli. <i>Biochemical Journal</i> , 2013, 452, 531-543.	3.7	64
10	AMPK promotes induction of the tumor suppressor FLCN through activation of TFEB independently of mTOR. <i>FASEB Journal</i> , 2019, 33, 12374-12391.	0.5	57
11	Benzimidazole derivative small-molecule 991 enhances AMPK activity and glucose uptake induced by AICAR or contraction in skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 311, E706-E719.	3.5	53
12	Role of Akt/PKB and PFKFB isoenzymes in the control of glycolysis, cell proliferation and protein synthesis in mitogen-stimulated thymocytes. <i>Cellular Signalling</i> , 2017, 34, 23-37.	3.6	50
13	Metabolism and acetylation contribute to leucine-mediated inhibition of cardiac glucose uptake. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 313, H432-H445.	3.2	29
14	Myosin light chains are not a physiological substrate of AMPK in the control of cell structure changes. <i>FEBS Letters</i> , 2009, 583, 25-28.	2.8	27
15	AMP-Activated Protein Kinase and O-GlcNAcylation, Two Partners Tightly Connected to Regulate Key Cellular Processes. <i>Frontiers in Endocrinology</i> , 2018, 9, 519.	3.5	19
16	New insight in understanding the contribution of SGLT1 in cardiac glucose uptake: evidence for a truncated form in mice and humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021, 320, H838-H853.	3.2	18
17	The Regulation of Insulin-Stimulated Cardiac Glucose Transport via Protein Acetylation. <i>Frontiers in Cardiovascular Medicine</i> , 2018, 5, 70.	2.4	17
18	The intra-mitochondrial O-GlcNAcylation system rapidly modulates OXPHOS function and ROS release in the heart. <i>Communications Biology</i> , 2022, 5, 349.	4.4	17

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19	Protein O-GlcNAcylation levels are regulated independently of dietary intake in a tissue and time-specific manner during rat postnatal development. <i>Acta Physiologica</i> , 2021, 231, e13566.	3.8	11
20	Characterization and Quality Control of Antibodies Used in CHIP Assays. <i>Methods in Molecular Biology</i> , 2009, 567, 27-43.	0.9	10
21	An O-GlcNAcyomic Approach Reveals ACLY as a Potential Target in Sepsis in the Young Rat. <i>International Journal of Molecular Sciences</i> , 2021, 22, 9236.	4.1	9
22	Standardized LC-ELSD Fractionation Procedure for the Identification of Minor Bioactives via the Enzymatic Screening of Natural Extracts. <i>Journal of Natural Products</i> , 2016, 79, 2856-2864.	3.0	7
23	Mitochondrial-Targeted Therapies Require Mitophagy to Prevent Oxidative Stress Induced by SOD2 Inactivation in Hypertrophied Cardiomyocytes. <i>Antioxidants</i> , 2022, 11, 723.	5.1	7
24	Î±-Tubulin acetylation on lysine 40 controls cardiac glucose uptake. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 322, H1032-H1043.	3.2	3
25	A new degree of complexi(n)ty in the regulation of GLUT4 trafficking. <i>Biochemical Journal</i> , 2021, 478, 1315-1319.	3.7	0
26	AMP-Activated Protein Kinase in Liver. , 2010, , 275-285.		0