

Lluís Fajas

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

3,844
citations

159585

30
h-index

168389

53
g-index

59
all docs

59
docs citations

59
times ranked

6255
citing authors

#	ARTICLE	IF	CITATIONS
1	Dietary Fiber Confers Protection against Flu by Shaping Ly6c ^{hi} Patrolling Monocyte Hematopoiesis and CD8 ⁺ T Cell Metabolism. <i>Immunity</i> , 2018, 48, 992-1005.e8.	14.3	441
2	E2Fs Regulate Adipocyte Differentiation. <i>Developmental Cell</i> , 2002, 3, 39-49.	7.0	284
3	The Retinoblastoma-Histone Deacetylase 3 Complex Inhibits PPAR γ and Adipocyte Differentiation. <i>Developmental Cell</i> , 2002, 3, 903-910.	7.0	249
4	Abrogation of <i>de novo</i> Lipogenesis by Stearoyl-CoA Desaturase 1 Inhibition Interferes with Oncogenic Signaling and Blocks Prostate Cancer Progression in Mice. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 1740-1754.	4.1	224
5	E2F transcription factor-1 regulates oxidative metabolism. <i>Nature Cell Biology</i> , 2011, 13, 1146-1152.	10.3	222
6	E2F1, a Novel Regulator of Metabolism. <i>Frontiers in Endocrinology</i> , 2017, 8, 311.	3.5	154
7	Cdk4 promotes adipogenesis through PPAR γ activation. <i>Cell Metabolism</i> , 2005, 2, 239-249.	16.2	136
8	The CDK4 \rightarrow pRB \rightarrow E2F1 pathway controls insulin secretion. <i>Nature Cell Biology</i> , 2009, 11, 1017-1023.	10.3	118
9	Cyclin D3 Promotes Adipogenesis through Activation of Peroxisome Proliferator-Activated Receptor γ . <i>Molecular and Cellular Biology</i> , 2005, 25, 9985-9995.	2.3	117
10	Mammalian Target of Rapamycin Complex 2 Controls CD8 ⁺ T Cell Memory Differentiation in a Foxo1-Dependent Manner. <i>Cell Reports</i> , 2016, 14, 1206-1217.	6.4	111
11	Cell cycle regulators in cancer cell metabolism. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165715.	3.8	110
12	E2F1 mediates sustained lipogenesis and contributes to hepatic steatosis. <i>Journal of Clinical Investigation</i> , 2015, 126, 137-150.	8.2	104
13	Peroxisome Proliferator-Activated Receptor γ Recruits the Positive Transcription Elongation Factor b Complex to Activate Transcription and Promote Adipogenesis. <i>Molecular Endocrinology</i> , 2006, 20, 1494-1505.	3.7	101
14	Adipose tissue-specific inactivation of the retinoblastoma protein protects against diabetes because of increased energy expenditure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 10703-10708.	7.1	95
15	Interorgan communication: a gatekeeper for metabolic health. <i>EMBO Reports</i> , 2019, 20, e47903.	4.5	94
16	Impaired pancreatic growth, β cell mass, and β cell function in E2F1 ^{-/-} mice. <i>Journal of Clinical Investigation</i> , 2004, 113, 1288-1295.	8.2	90
17	Cell cycle regulation of mitochondrial function. <i>Current Opinion in Cell Biology</i> , 2015, 33, 19-25.	5.4	89
18	Modulation of mTOR Signalling Triggers the Formation of Stem Cell-like Memory T Cells. <i>EBioMedicine</i> , 2016, 4, 50-61.	6.1	89

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19	Cycling through metabolism. <i>EMBO Molecular Medicine</i> , 2010, 2, 338-348.	6.9	78
20	Enforced PGC-1 β expression promotes CD8 T cell fitness, memory formation and antitumor immunity. <i>Cellular and Molecular Immunology</i> , 2021, 18, 1761-1771.	10.5	73
21	Re-thinking cell cycle regulators: the cross-talk with metabolism. <i>Frontiers in Oncology</i> , 2013, 3, 4.	2.8	65
22	CDK4 is an essential insulin effector in adipocytes. <i>Journal of Clinical Investigation</i> , 2015, 126, 335-348.	8.2	65
23	CDK4 Phosphorylates AMPK α 2 to Inhibit Its Activity and Repress Fatty Acid Oxidation. <i>Molecular Cell</i> , 2017, 68, 336-349.e6.	9.7	55
24	Antagonistic functions of LMNA isoforms in energy expenditure and lifespan. <i>EMBO Reports</i> , 2014, 15, 529-539.	4.5	47
25	Cyclin A Is a Mediator of p120 E4F -Dependent Cell Cycle Arrest in G 1. <i>Molecular and Cellular Biology</i> , 2001, 21, 2956-2966.	2.3	46
26	Cyclin G2 Regulates Adipogenesis through PPAR β Coactivation. <i>Endocrinology</i> , 2010, 151, 5247-5254.	2.8	46
27	pRB binds to and modulates the transrepressing activity of the E1A-regulated transcription factor p120E4F. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000, 97, 7738-7743.	7.1	41
28	Klotho deficiency protects against obesity through a crosstalk between liver, microbiota, and brown adipose tissue. <i>JCI Insight</i> , 2017, 2, .	5.0	41
29	E2F1 inhibits circulating cholesterol clearance by regulating Pcsk9 expression in the liver. <i>JCI Insight</i> , 2017, 2, .	5.0	39
30	Cdkn2a deficiency promotes adipose tissue browning. <i>Molecular Metabolism</i> , 2018, 8, 65-76.	6.5	35
31	CDK4 Regulates Lysosomal Function and mTORC1 Activation to Promote Cancer Cell Survival. <i>Cancer Research</i> , 2019, 79, 5245-5259.	0.9	35
32	Human adipose tissue H3K4me3 histone mark in adipogenic, lipid metabolism and inflammatory genes is positively associated with BMI and HOMA-IR. <i>PLoS ONE</i> , 2019, 14, e0215083.	2.5	33
33	The multifaceted role of cell cycle regulators in the coordination of growth and metabolism. <i>FEBS Journal</i> , 2021, 288, 3813-3833.	4.7	33
34	Role of cell cycle regulators in adipose tissue and whole body energy homeostasis. <i>Cellular and Molecular Life Sciences</i> , 2018, 75, 975-987.	5.4	30
35	E2F1 promotes hepatic gluconeogenesis and contributes to hyperglycemia during diabetes. <i>Molecular Metabolism</i> , 2018, 11, 104-112.	6.5	25
36	The PDK1 Inhibitor Dichloroacetate Controls Cholesterol Homeostasis Through the ERK5/MEF2 Pathway. <i>Scientific Reports</i> , 2017, 7, 10654.	3.3	23

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37	KAT2B Is Required for Pancreatic Beta Cell Adaptation to Metabolic Stress by Controlling the Unfolded Protein Response. <i>Cell Reports</i> , 2016, 15, 1051-1061.	6.4	22
38	Metabolic adaptation to cancer growth: From the cell to the organism. <i>Cancer Letters</i> , 2015, 356, 171-175.	7.2	21
39	Extracellular-signal-regulated kinase 5 modulates the antioxidant response by transcriptionally controlling Sirtuin 1 expression in leukemic cells. <i>International Journal of Biochemistry and Cell Biology</i> , 2014, 53, 253-261.	2.8	19
40	Growth factor receptor binding protein 14 inhibition triggers insulin-induced mouse hepatocyte proliferation and is associated with hepatocellular carcinoma. <i>Hepatology</i> , 2017, 65, 1352-1368.	7.3	17
41	Cancer: Linking Powerhouses to Suicidal Bags. <i>Frontiers in Oncology</i> , 2017, 7, 204.	2.8	15
42	Tumor regression and resistance mechanisms upon CDK4 and RAF1 inactivation in KRAS/P53 mutant lung adenocarcinomas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 24415-24426.	7.1	15
43	The multifunctional protein E4F1 links P53 to lipid metabolism in adipocytes. <i>Nature Communications</i> , 2021, 12, 7037.	12.8	15
44	β -Klotho deficiency shifts the gut-liver bile acid axis and induces hepatic alterations in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E833-E847.	3.5	13
45	Hypothalamic α -CDK4 regulates thermogenesis by modulating sympathetic innervation of adipose tissues. <i>EMBO Reports</i> , 2020, 21, e49807.	4.5	12
46	Retinoblastoma Protein Knockdown Favors Oxidative Metabolism and Glucose and Fatty Acid Disposal in Muscle Cells. <i>Journal of Cellular Physiology</i> , 2016, 231, 708-718.	4.1	10
47	The Intricate Interplay between Cell Cycle Regulators and Autophagy in Cancer. <i>Cancers</i> , 2022, 14, 153.	3.7	10
48	Metabolic control in cancer cells. <i>Annales D'Endocrinologie</i> , 2013, 74, 71-73.	1.4	9
49	CDK7 Mediates the Beta-Adrenergic Signaling in Thermogenic Brown and White Adipose Tissues. <i>IScience</i> , 2020, 23, 101163.	4.1	8
50	Chromatin immunoprecipitation improvements for the processing of small frozen pieces of adipose tissue. <i>PLoS ONE</i> , 2018, 13, e0192314.	2.5	6
51	CDK4, a new metabolic sensor that antagonizes AMPK. <i>Molecular and Cellular Oncology</i> , 2018, 5, e1409862.	0.7	5
52	PamgeneAnalyzer: open and reproducible pipeline for kinase profiling. <i>Bioinformatics</i> , 2020, 36, 5117-5119.	4.1	3
53	Glucose Starvation or Pyruvate Dehydrogenase Activation Induce a Broad, ERK5-Mediated, Metabolic Remodeling Leading to Fatty Acid Oxidation. <i>Cells</i> , 2022, 11, 1392.	4.1	1
54	Adipocyte-specific CDK7 ablation leads to progressive loss of adipose tissue and metabolic dysfunction. <i>FEBS Letters</i> , 2022, 596, 1434-1444.	2.8	0