

Lei Jiang

List of Publications by Year in descending order

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34
papers

4,839
citations

172457

29
h-index

377865

34
g-index

36
all docs

36
docs citations

36
times ranked

8986
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic Heterogeneity in Human Lung Tumors. <i>Cell</i> , 2016, 164, 681-694.	28.9	830
2	Glutamine Oxidation Maintains the TCA Cycle and Cell Survival during Impaired Mitochondrial Pyruvate Transport. <i>Molecular Cell</i> , 2014, 56, 414-424.	9.7	504
3	Reductive carboxylation supports redox homeostasis during anchorage-independent growth. <i>Nature</i> , 2016, 532, 255-258.	27.8	472
4	A Role for the Mitochondrial Pyruvate Carrier as a Repressor of the Warburg Effect and Colon Cancer Cell Growth. <i>Molecular Cell</i> , 2014, 56, 400-413.	9.7	294
5	Oxidation of Alpha-Ketoglutarate Is Required for Reductive Carboxylation in Cancer Cells with Mitochondrial Defects. <i>Cell Reports</i> , 2014, 7, 1679-1690.	6.4	281
6	Control of intestinal stem cell function and proliferation by mitochondrial pyruvate metabolism. <i>Nature Cell Biology</i> , 2017, 19, 1027-1036.	10.3	238
7	6-Phosphogluconate dehydrogenase links oxidative PPP, lipogenesis and tumour growth by inhibiting LKB1-AMPK signalling. <i>Nature Cell Biology</i> , 2015, 17, 1484-1496.	10.3	224
8	Global Analysis of Plasma Lipids Identifies Liver-Derived Acylcarnitines as a Fuel Source for Brown Fat Thermogenesis. <i>Cell Metabolism</i> , 2017, 26, 509-522.e6.	16.2	185
9	Abrogation of hepatic ATP-citrate lyase protects against fatty liver and ameliorates hyperglycemia in leptin receptor-deficient mice. <i>Hepatology</i> , 2009, 49, 1166-1175.	7.3	172
10	R-2-hydroxyglutarate attenuates aerobic glycolysis in leukemia by targeting the FTO/m6A/PFKP/LDHB axis. <i>Molecular Cell</i> , 2021, 81, 922-939.e9.	9.7	157
11	Low- and high-thermogenic brown adipocyte subpopulations coexist in murine adipose tissue. <i>Journal of Clinical Investigation</i> , 2019, 130, 247-257.	8.2	134
12	Reversible De-differentiation of Mature White Adipocytes into Preadipocyte-like Precursors during Lactation. <i>Cell Metabolism</i> , 2018, 28, 282-288.e3.	16.2	116
13	Dysregulated Mitochondrial Dynamics and Metabolism in Obesity, Diabetes, and Cancer. <i>Frontiers in Endocrinology</i> , 2019, 10, 570.	3.5	113
14	Distinct regulatory mechanisms governing embryonic versus adult adipocyte maturation. <i>Nature Cell Biology</i> , 2015, 17, 1099-1111.	10.3	111
15	Lysine Acetylation Activates 6-Phosphogluconate Dehydrogenase to Promote Tumor Growth. <i>Molecular Cell</i> , 2014, 55, 552-565.	9.7	107
16	Arginine starvation kills tumor cells through aspartate exhaustion and mitochondrial dysfunction. <i>Communications Biology</i> , 2018, 1, 178.	4.4	101
17	Quantitative metabolic flux analysis reveals an unconventional pathway of fatty acid synthesis in cancer cells deficient for the mitochondrial citrate transport protein. <i>Metabolic Engineering</i> , 2017, 43, 198-207.	7.0	80
18	RIPK1-mediated induction of mitophagy compromises the viability of extracellular-matrix-detached cells. <i>Nature Cell Biology</i> , 2018, 20, 272-284.	10.3	75

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19	Leptin Contributes to the Adaptive Responses of Mice to High-Fat Diet Intake through Suppressing the Lipogenic Pathway. PLoS ONE, 2009, 4, e6884.	2.5	74
20	Analysis of Hypoxia-Induced Metabolic Reprogramming. Methods in Enzymology, 2014, 542, 425-455.	1.0	72
21	Metabolic plasticity maintains proliferation in pyruvate dehydrogenase deficient cells. Cancer & Metabolism, 2015, 3, 7.	5.0	56
22	Tyrosine-dependent and -independent actions of leptin receptor in control of energy balance and glucose homeostasis. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 18619-18624.	7.1	55
23	Functional Assessment of Lipoyltransferase-1 Deficiency in Cells, Mice, and Humans. Cell Reports, 2019, 27, 1376-1386.e6.	6.4	55
24	Inhibition of ATP-citrate lyase improves NASH, liver fibrosis, and dyslipidemia. Cell Metabolism, 2022, 34, 919-936.e8.	16.2	55
25	Deficiency in hepatic ATP-citrate lyase affects VLDL-triglyceride mobilization and liver fatty acid composition in mice. Journal of Lipid Research, 2010, 51, 2516-2526.	4.2	53
26	Mitochondrial division inhibitor (mdivi-1) decreases oxidative metabolism in cancer. British Journal of Cancer, 2020, 122, 1288-1297.	6.4	51
27	Energy metabolism in brown adipose tissue. FEBS Journal, 2021, 288, 3647-3662.	4.7	35
28	Peroxisome Proliferator-Activated Receptor α and Its Role in Adipocyte Homeostasis and Thiazolidinedione-Mediated Insulin Sensitization. Molecular and Cellular Biology, 2018, 38, .	2.3	33
29	Chronic cold exposure enhances glucose oxidation in brown adipose tissue. EMBO Reports, 2020, 21, e50085.	4.5	33
30	When more is less. Nature, 2012, 489, 511-512.	27.8	25
31	CARM1 suppresses de novo serine synthesis by promoting PKM2 activity. Journal of Biological Chemistry, 2018, 293, 15290-15303.	3.4	19
32	The cancer cell "energy grid": TGF- β 1 signaling coordinates metabolism for migration. Molecular and Cellular Oncology, 2015, 2, e981994.	0.7	17
33	Enrichment of the exocytosis protein STX4 in skeletal muscle remediates peripheral insulin resistance and alters mitochondrial dynamics via Drp1. Nature Communications, 2022, 13, 424.	12.8	10
34	Metabolic convergence on lipogenesis in RAS, BCR-ABL, and MYC-driven lymphoid malignancies. Cancer & Metabolism, 2021, 9, 31.	5.0	1