

Lucas B Sullivan

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

6,514
citations

430874

18
h-index

477307

29
g-index

38
all docs

38
docs citations

38
times ranked

11730
citing authors

#	ARTICLE	IF	CITATIONS
1	Reductive carboxylation supports growth in tumour cells with defective mitochondria. <i>Nature</i> , 2012, 481, 385-388.	27.8	1,074
2	Supporting Aspartate Biosynthesis Is an Essential Function of Respiration in Proliferating Cells. <i>Cell</i> , 2015, 162, 552-563.	28.9	878
3	Metformin inhibits mitochondrial complex I of cancer cells to reduce tumorigenesis. <i>ELife</i> , 2014, 3, e02242.	6.0	851
4	Environment Impacts the Metabolic Dependencies of Ras-Driven Non-Small Cell Lung Cancer. <i>Cell Metabolism</i> , 2016, 23, 517-528.	16.2	616
5	Mitochondrial reactive oxygen species and cancer. <i>Cancer & Metabolism</i> , 2014, 2, 17.	5.0	574
6	A PHGDH inhibitor reveals coordination of serine synthesis and one-carbon unit fate. <i>Nature Chemical Biology</i> , 2016, 12, 452-458.	8.0	389
7	Altered metabolite levels in cancer: implications for tumour biology and cancer therapy. <i>Nature Reviews Cancer</i> , 2016, 16, 680-693.	28.4	306
8	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
9	Environment Dictates Dependence on Mitochondrial Complex I for NAD ⁺ and Aspartate Production and Determines Cancer Cell Sensitivity to Metformin. <i>Cell Metabolism</i> , 2016, 24, 716-727.	16.2	269
10	The Proto-oncometabolite Fumarate Binds Glutathione to Amplify ROS-Dependent Signaling. <i>Molecular Cell</i> , 2013, 51, 236-248.	9.7	244
11	Aspartate is an endogenous metabolic limitation for tumour growth. <i>Nature Cell Biology</i> , 2018, 20, 782-788.	10.3	240
12	Increased demand for NAD ⁺ relative to ATP drives aerobic glycolysis. <i>Molecular Cell</i> , 2021, 81, 691-707.e6.	9.7	232
13	EGLN1 Inhibition and Rerouting of α -Ketoglutarate Suffice for Remote Ischemic Protection. <i>Cell</i> , 2016, 164, 884-895.	28.9	108
14	A non-canonical tricarboxylic acid cycle underlies cellular identity. <i>Nature</i> , 2022, 603, 477-481.	27.8	108
15	Understanding the complex-ity of metformin action: limiting mitochondrial respiration to improve cancer therapy. <i>BMC Biology</i> , 2014, 12, 82.	3.8	80
16	MAX Functions as a Tumor Suppressor and Rewires Metabolism in Small Cell Lung Cancer. <i>Cancer Cell</i> , 2020, 38, 97-114.e7.	16.8	46
17	Inhibiting mitochondrial phosphate transport as an unexploited antifungal strategy. <i>Nature Chemical Biology</i> , 2018, 14, 135-141.	8.0	32
18	Cancer cells depend on environmental lipids for proliferation when electron acceptors are limited. <i>Nature Metabolism</i> , 2022, 4, 711-723.	11.9	29

#	ARTICLE	IF	CITATIONS
19	Cell-specific transcriptional control of mitochondrial metabolism by TIF1 ^β drives erythropoiesis. <i>Science</i> , 2021, 372, 716-721.	12.6	25
20	Biophysical changes reduce energetic demand in growth factor-deprived lymphocytes. <i>Journal of Cell Biology</i> , 2016, 212, 439-447.	5.2	21
21	MFSD7C switches mitochondrial ATP synthesis to thermogenesis in response to heme. <i>Nature Communications</i> , 2020, 11, 4837.	12.8	21
22	Unchecked oxidative stress in skeletal muscle prevents outgrowth of disseminated tumour cells. <i>Nature Cell Biology</i> , 2022, 24, 538-553.	10.3	20
23	Mitochondria and Telomeres: The Promiscuous Roles of TIN2. <i>Molecular Cell</i> , 2012, 47, 823-824.	9.7	12
24	Mitochondrial metabolism in TCA cycle mutant cancer cells. <i>Cell Cycle</i> , 2014, 13, 347-348.	2.6	12
25	Taking metabolism on the road. <i>Nature Chemical Biology</i> , 2017, 13, 924-925.	8.0	9
26	Metabolic Frugality Marks Cancer Cells for Immune Targeting. <i>Cell</i> , 2018, 174, 1344-1346.	28.9	5
27	Differential Substrate Use in EGF- and Oncogenic KRAS-stimulated Human Mammary Epithelial Cells. <i>FEBS Journal</i> , 2021, 288, 5629-5649.	4.7	4
28	Redox Debt Leads to Metabolic Bankruptcy in Tumors. <i>Trends in Cancer</i> , 2020, 6, 359-361.	7.4	2
29	Free Asparagine or Die: Cancer Cells Require Proteasomal Protein Breakdown to Survive Asparagine Depletion. <i>Cancer Discovery</i> , 2020, 10, 1632-1634.	9.4	1
30	Biophysical changes reduce energetic demand in growth factor-deprived lymphocytes. <i>Journal of Experimental Medicine</i> , 2016, 213, 2133-2143.	8.5	0
31	Transcriptional Regulation of Coenzyme Q Biosynthesis By TIF1 ^β Drives Erythropoiesis. <i>Blood</i> , 2019, 134, 152-152.	1.4	0
32	Packed Cell Volume is an Overestimate in Common Cancer Cell Lines. <i>Bio-protocol</i> , 2021, 11, .	0.4	0