

Quantification of microenvironmental metabolites in m determinants of tumor nutrient availability

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Oncogenic KRAS Induces NIX-Mediated Mitophagy to Promote Pancreatic Cancer. <i>Cancer Discovery</i> , 2019, 9, 1268-1287.	7.7	119
2	Cell Culture Medium Formulation and Its Implications in Cancer Metabolism. <i>Trends in Cancer</i> , 2019, 5, 329-332.	3.8	91
3	Growth factors stimulate anabolic metabolism by directing nutrient uptake. <i>Journal of Biological Chemistry</i> , 2019, 294, 17883-17888.	1.6	15
4	The Rise of Physiologic Media. <i>Trends in Cell Biology</i> , 2019, 29, 854-861.	3.6	59
5	Transsulfuration Activity Can Support Cell Growth upon Extracellular Cysteine Limitation. <i>Cell Metabolism</i> , 2019, 30, 865-876.e5.	7.2	155
6	Glutamine Metabolism in Brain Tumors. <i>Cancers</i> , 2019, 11, 1628.	1.7	53
7	Mechanisms and Implications of Metabolic Heterogeneity in Cancer. <i>Cell Metabolism</i> , 2019, 30, 434-446.	7.2	355
8	A framework for examining how diet impacts tumour metabolism. <i>Nature Reviews Cancer</i> , 2019, 19, 651-661.	12.8	87
9	Glucose Metabolism in Pancreatic Cancer. <i>Cancers</i> , 2019, 11, 1460.	1.7	74
10	The Tumor Metabolic Microenvironment: Lessons from Lactate. <i>Cancer Research</i> , 2019, 79, 3155-3162.	0.4	140
11	The Pleiotropic Effects of Glutamine Metabolism in Cancer. <i>Cancers</i> , 2019, 11, 770.	1.7	89
12	Determinants of nutrient limitation in cancer. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2019, 54, 193-207.	2.3	36
13	The Non-Essential Amino Acid Cysteine Becomes Essential for Tumor Proliferation and Survival. <i>Cancers</i> , 2019, 11, 678.	1.7	172
14	Putting the K+ in K+aloric Restriction. <i>Immunity</i> , 2019, 50, 1129-1131.	6.6	4
15	The Diverse Functions of Non-Essential Amino Acids in Cancer. <i>Cancers</i> , 2019, 11, 675.	1.7	119
16	Deoxycytidine Release from Pancreatic Stellate Cells Promotes Gemcitabine Resistance. <i>Cancer Research</i> , 2019, 79, 5723-5733.	0.4	90
17	Exploiting metabolic vulnerabilities of Non small cell lung carcinoma. <i>Seminars in Cell and Developmental Biology</i> , 2020, 98, 54-62.	2.3	36
18	Metabolism in the Tumor Microenvironment. <i>Annual Review of Cancer Biology</i> , 2020, 4, 17-40.	2.3	61

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19	Metastasis in Pancreatic Ductal Adenocarcinoma: Current Standing and Methodologies. <i>Genes</i> , 2020, 11, 6.	1.0	31
20	Histone deacetylase inhibition is synthetically lethal with arginine deprivation in pancreatic cancers with low argininosuccinate synthetase 1 expression. <i>Theranostics</i> , 2020, 10, 829-840.	4.6	21
21	Mind your media. <i>Nature Metabolism</i> , 2020, 2, 1369-1372.	5.1	34
22	Glycometabolic rearrangements— aerobic glycolysis in pancreatic cancer: causes, characteristics and clinical applications. <i>Journal of Experimental and Clinical Cancer Research</i> , 2020, 39, 267.	3.5	39
23	The Tumor Microenvironment—A Metabolic Obstacle to NK Cells™ Activity. <i>Cancers</i> , 2020, 12, 3542.	1.7	30
24	Cancer cell metabolic reprogramming: a keystone for the response to immunotherapy. <i>Cell Death and Disease</i> , 2020, 11, 964.	2.7	61
25	Distribution and prognostic significance of gluconeogenesis and glycolysis in lung cancer. <i>Molecular Oncology</i> , 2020, 14, 2853-2867.	2.1	51
26	How Reciprocal Interactions Between the Tumor Microenvironment and Ion Transport Proteins Drive Cancer Progression. <i>Reviews of Physiology, Biochemistry and Pharmacology</i> , 2020, , 1-38.	0.9	9
27	Pancreatic cancer SLUGged. <i>Journal of Experimental Medicine</i> , 2020, 217, .	4.2	0
28	pH-Gated Succinate Secretion Regulates Muscle Remodeling in Response to Exercise. <i>Cell</i> , 2020, 183, 62-75.e17.	13.5	129
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30	Metabolic Potential of Cancer Cells in Context of the Metastatic Cascade. <i>Cells</i> , 2020, 9, 2035.	1.8	17
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32	Obesity Shapes Metabolism in the Tumor Microenvironment to Suppress Anti-Tumor Immunity. <i>Cell</i> , 2020, 183, 1848-1866.e26.	13.5	347
33	A metastasis map of human cancer cell lines. <i>Nature</i> , 2020, 588, 331-336.	13.7	214
34	Selective Alanine Transporter Utilization Creates a Targetable Metabolic Niche in Pancreatic Cancer. <i>Cancer Discovery</i> , 2020, 10, 1018-1037.	7.7	104
35	Dietary Approaches to Cancer Therapy. <i>Cancer Cell</i> , 2020, 37, 767-785.	7.7	105
36	Myeloid Cell-Derived Arginase in Cancer Immune Response. <i>Frontiers in Immunology</i> , 2020, 11, 938.	2.2	249

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37	Minimally Invasive Biospecimen Collection for Exposome Research in Children's Health. <i>Current Environmental Health Reports</i> , 2020, 7, 198-210.	3.2	13
38	Targeting Metabolism to Improve the Tumor Microenvironment for Cancer Immunotherapy. <i>Molecular Cell</i> , 2020, 78, 1019-1033.	4.5	450
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40	mTOR Signaling and SREBP Activity Increase FADS2 Expression and Can Activate Sapienate Biosynthesis. <i>Cell Reports</i> , 2020, 31, 107806.	2.9	41
41	Stratifying nutritional restriction in cancer therapy: Next stop, personalized medicine. <i>International Review of Cell and Molecular Biology</i> , 2020, 354, 231-259.	1.6	12
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43	The immunological Warburg effect: Can a metabolic-tumor-stroma score (MeTS) guide cancer immunotherapy?. <i>Immunological Reviews</i> , 2020, 295, 187-202.	2.8	71
44	Dietary modifications for enhanced cancer therapy. <i>Nature</i> , 2020, 579, 507-517.	13.7	219
45	Comparison of unsupervised machine-learning methods to identify metabolomic signatures in patients with localized breast cancer. <i>Computational and Structural Biotechnology Journal</i> , 2020, 18, 1509-1524.	1.9	21
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50	Cell Intrinsic and Systemic Metabolism in Tumor Immunity and Immunotherapy. <i>Cancers</i> , 2020, 12, 852.	1.7	19
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54	Crosstalk between mechanotransduction and metabolism. <i>Nature Reviews Molecular Cell Biology</i> , 2021, 22, 22-38.	16.1	193

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55	Cysteine metabolic circuitries: druggable targets in cancer. <i>British Journal of Cancer</i> , 2021, 124, 862-879.	2.9	103
56	Single cell metabolomics using mass spectrometry: Techniques and data analysis. <i>Analytica Chimica Acta</i> , 2021, 1143, 124-134.	2.6	37
57	Immunometabolism in the Tumor Microenvironment. <i>Annual Review of Cancer Biology</i> , 2021, 5, 137-159.	2.3	28
58	High Fructose Drives the Serine Synthesis Pathway in Acute Myeloid Leukemic Cells. <i>Cell Metabolism</i> , 2021, 33, 145-159.e6.	7.2	34
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64	Circulating Endothelial Cells: Characteristics and Clinical Relevance. , 2021, , 163-168.		0
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68	Transporters at the Interface between Cytosolic and Mitochondrial Amino Acid Metabolism. <i>Metabolites</i> , 2021, 11, 112.	1.3	21
69	GEM-Based Metabolic Profiling for Human Bone Osteosarcoma under Different Glucose and Glutamine Availability. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1470.	1.8	5
71	Metabolic plasticity allows cancer cells to thrive under nutrient starvation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	10
72	Adaptation of pancreatic cancer cells to nutrient deprivation is reversible and requires glutamine synthetase stabilization by mTORC1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	26
74	GLUT5 (SLC2A5) enables fructose-mediated proliferation independent of ketohexokinase. <i>Cancer & Metabolism</i> , 2021, 9, 12.	2.4	12
75	Glycine suppresses kidney calcium oxalate crystal depositions via regulating urinary excretions of oxalate and citrate. <i>Journal of Cellular Physiology</i> , 2021, 236, 6824-6835.	2.0	9

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77	Harnessing metabolic dependencies in pancreatic cancers. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2021, 18, 482-492.	8.2	81
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80	Cystathionine γ -lyase overexpression in T cells enhances antitumor effect independently of cysteine autonomy. <i>Cancer Science</i> , 2021, 112, 1723-1734.	1.7	11
81	Mimicking and surpassing the xenograft model with cancer-on-chip technology. <i>EBioMedicine</i> , 2021, 66, 103303.	2.7	9
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93	UCP1 governs liver extracellular succinate and inflammatory pathogenesis. <i>Nature Metabolism</i> , 2021, 3, 604-617.	5.1	82

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94	The role of metabolic reprogramming and de novo amino acid synthesis in collagen protein production by myofibroblasts: implications for organ fibrosis and cancer. <i>Amino Acids</i> , 2021, 53, 1851-1862.	1.2	12
95	Serine Metabolism Regulates YAP Activity Through USP7 in Colon Cancer. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 639111.	1.8	17
96	Metabolomics in cancer research and emerging applications in clinical oncology. <i>Ca-A Cancer Journal for Clinicians</i> , 2021, 71, 333-358.	157.7	267
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100	Immune-regulated IDO1-dependent tryptophan metabolism is source of one-carbon units for pancreatic cancer and stellate cells. <i>Molecular Cell</i> , 2021, 81, 2290-2302.e7.	4.5	54
101	Predicting cancer malignancy and proliferation in glioma patients: intra-subject inter-metabolite correlation analyses using MRI and MRSI contrast scans. <i>Quantitative Imaging in Medicine and Surgery</i> , 2021, 11, 2721-2732.	1.1	1
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103	Can tumor cells take it all away?. <i>Cell Metabolism</i> , 2021, 33, 1071-1072.	7.2	2
105	Metabolic Phenotypes, Dependencies, and Adaptation in Lung Cancer. <i>Cold Spring Harbor Perspectives in Medicine</i> , 2021, 11, a037838.	2.9	2
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110	Targeted Glucose or Glutamine Metabolic Therapy Combined With PD-1/PD-L1 Checkpoint Blockade Immunotherapy for the Treatment of Tumors - Mechanisms and Strategies. <i>Frontiers in Oncology</i> , 2021, 11, 697894.	1.3	19
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136	Quantification of microenvironmental metabolites in murine cancers reveals determinants of tumor nutrient availability. <i>ELife</i> , 2019, 8, .	2.8	350

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138	The tumor microenvironment as a metabolic barrier to effector T cells and immunotherapy. <i>ELife</i> , 2020, 9, .	2.8	168
139	Dissecting cell-type-specific metabolism in pancreatic ductal adenocarcinoma. <i>ELife</i> , 2020, 9, .	2.8	61
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154	The impact of physiological metabolite levels on serine uptake, synthesis and utilization in cancer cells. <i>Nature Communications</i> , 2021, 12, 6176.	5.8	19
155	Dietary intervention as a therapeutic for cancer. <i>Cancer Science</i> , 2021, 112, 498-504.	1.7	10
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161	Reprogrammed transsulfuration promotes basal-like breast tumor progression via realigning cellular cysteine persulfidation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	36
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169	Lineage-specific silencing of PSAT1 induces serine auxotrophy and sensitivity to dietary serine starvation in luminal breast tumors. <i>Cell Reports</i> , 2022, 38, 110278.	2.9	14
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177	The hallmarks of cancer metabolism: Still emerging. <i>Cell Metabolism</i> , 2022, 34, 355-377.	7.2	386
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181	New Immunometabolic Strategy Based on Cell Type-Specific Metabolic Reprogramming in the Tumor Immune Microenvironment. <i>Cells</i> , 2022, 11, 768.	1.8	14
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184	Kynurenine importation by SLC7A11 propagates anti-ferroptotic signaling. <i>Molecular Cell</i> , 2022, 82, 920-932.e7.	4.5	41
185	A network-based approach to integrate nutrient microenvironment in the prediction of synthetic lethality in cancer metabolism. <i>PLoS Computational Biology</i> , 2022, 18, e1009395.	1.5	5

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189	Impact of cancer metabolism on therapy resistance – Clinical implications. <i>Drug Resistance Updates</i> , 2021, 59, 100797.	6.5	43
190	Metabolic reprogramming of tumor-associated macrophages by collagen turnover promotes fibrosis in pancreatic cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2119168119.	3.3	31
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