

# Matthew G Vander Heiden

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

140  
papers

39,075  
citations

68  
h-index

158  
g-index

158  
ext. papers

47,910  
ext. citations

21.2  
avg, IF

7.8  
L-index

#	Paper	IF	Citations
140	Interactions with stromal cells promote a more oxidized cancer cell redox state in pancreatic tumors.. <i>Science Advances</i> , <b>2022</b> , 8, eabg6383	14.3	3
139	Ketogenic HMG-CoA lyase and its product β-hydroxybutyrate promote pancreatic cancer progression.. <i>EMBO Journal</i> , <b>2022</b> , e110466	13	2
138	Inhibiting GLUTtony in cancer.. <i>Cell Chemical Biology</i> , <b>2022</b> , 29, 353-355	8.2	0
137	Regulation of chromatin accessibility by the histone chaperone CAF-1 sustains lineage fidelity.. <i>Nature Communications</i> , <b>2022</b> , 13, 2350	17.4	0
136	Methionine synthase is essential for cancer cell proliferation in physiological folate environments. <i>Nature Metabolism</i> , <b>2021</b> , 3, 1500-1511	14.6	3
135	Low glycaemic diets alter lipid metabolism to influence tumour growth. <i>Nature</i> , <b>2021</b> , 599, 302-307	50.4	24
134	FATTY ACID SYNTHESIS IS REQUIRED FOR BREAST CANCER BRAIN METASTASIS. <i>Nature Cancer</i> , <b>2021</b> , 2, 414-428	15.4	31
133	Cell-programmed nutrient partitioning in the tumour microenvironment. <i>Nature</i> , <b>2021</b> , 593, 282-288	50.4	111
132	Pancreatic βcells put the glutamine engine in reverse. <i>Cell Metabolism</i> , <b>2021</b> , 33, 702-704	24.6	1
131	Differential substrate use in EGF- and oncogenic KRAS-stimulated human mammary epithelial cells. <i>FEBS Journal</i> , <b>2021</b> , 288, 5629-5649	5.7	1
130	Suppression of pancreatic ductal adenocarcinoma growth and metastasis by fibrillar collagens produced selectively by tumor cells. <i>Nature Communications</i> , <b>2021</b> , 12, 2328	17.4	15
129	Mitochondrial NADPH is a pro at Pro synthesis. <i>Nature Metabolism</i> , <b>2021</b> , 3, 453-455	14.6	1
128	Metabolomics in cancer research and emerging applications in clinical oncology. <i>Ca-A Cancer Journal for Clinicians</i> , <b>2021</b> , 71, 333-358	220.7	55
127	The CAT-SIR is out of the bag: tumors prefer host rather than dietary nutrients. <i>BMC Biology</i> , <b>2021</b> , 19, 92	7.3	0
126	Hepcidin sequesters iron to sustain nucleotide metabolism and mitochondrial function in colorectal cancer epithelial cells. <i>Nature Metabolism</i> , <b>2021</b> , 3, 969-982	14.6	12
125	Netrin G1 Promotes Pancreatic Tumorigenesis through Cancer-Associated Fibroblast-Driven Nutritional Support and Immunosuppression. <i>Cancer Discovery</i> , <b>2021</b> , 11, 446-479	24.4	31
124	Arginase Therapy Combines Effectively with Immune Checkpoint Blockade or Agonist Anti-OX40 Immunotherapy to Control Tumor Growth. <i>Cancer Immunology Research</i> , <b>2021</b> , 9, 415-429	12.5	1

123	Increased demand for NAD relative to ATP drives aerobic glycolysis. <i>Molecular Cell</i> , <b>2021</b> , 81, 691-707. e617.6	58
122	Association of Prediagnostic Blood Metabolomics with Prostate Cancer Defined by ERG or PTEN Molecular Subtypes. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2021</b> , 30, 1000-1008	4 0
121	The Metabolic Landscape of RAS-Driven Cancers from biology to therapy. <i>Nature Cancer</i> , <b>2021</b> , 2, 271-283. 5.4	30
120	PKM1 Exerts Critical Roles in Cardiac Remodeling Under Pressure Overload in the Heart. <i>Circulation</i> , <b>2021</b> , 144, 712-727	16.7 3
119	Patient-Derived Xenografts to Study Cancer Metabolism: When Does X Mark the Spot?. <i>Cancer Research</i> , <b>2021</b> , 81, 4399-4401	10.1
118	Gene Expression Pathways in Prostate Tissue Associated with Vigorous Physical Activity in Prostate Cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2021</b> , 30, 751-756	4 0
117	A metastasis map of human cancer cell lines. <i>Nature</i> , <b>2020</b> , 588, 331-336	50.4 76
116	REV1 inhibitor JH-RE-06 enhances tumor cell response to chemotherapy by triggering senescence hallmarks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 28918-28921	11.5 10
115	Limited Environmental Serine and Glycine Confer Brain Metastasis Sensitivity to PHGDH Inhibition. <i>Cancer Discovery</i> , <b>2020</b> , 10, 1352-1373	24.4 62
114	Keap1 mutation renders lung adenocarcinomas dependent on Slc33a1. <i>Nature Cancer</i> , <b>2020</b> , 1, 589-602	15.4 16
113	A Metabolomics Analysis of Adiposity and Advanced Prostate Cancer Risk in the Health Professionals Follow-Up Study. <i>Metabolites</i> , <b>2020</b> , 10,	5.6 6
112	Emerging Roles for Branched-Chain Amino Acid Metabolism in Cancer. <i>Cancer Cell</i> , <b>2020</b> , 37, 147-156	24.3 89
111	Dissecting cell-type-specific metabolism in pancreatic ductal adenocarcinoma. <i>ELife</i> , <b>2020</b> , 9,	8.9 26
110	Transcriptional activation of macropinocytosis by the Hippo pathway following nutrient limitation. <i>Genes and Development</i> , <b>2020</b> , 34, 1253-1255	12.6 2
109	Metabolism in the Tumor Microenvironment. <i>Annual Review of Cancer Biology</i> , <b>2020</b> , 4, 17-40	13.3 30
108	Monitoring and modeling of lymphocytic leukemia cell bioenergetics reveals decreased ATP synthesis during cell division. <i>Nature Communications</i> , <b>2020</b> , 11, 4983	17.4 7
107	MFS7C switches mitochondrial ATP synthesis to thermogenesis in response to heme. <i>Nature Communications</i> , <b>2020</b> , 11, 4837	17.4 7
106	Deficiency of malate-aspartate shuttle component SLC25A12 induces pulmonary metastasis. <i>Cancer &amp; Metabolism</i> , <b>2020</b> , 8, 26	5.4 4

105	Induction of a Timed Metabolic Collapse to Overcome Cancer Chemoresistance. <i>Cell Metabolism</i> , <b>2020</b> , 32, 391-403.e6	24.6	33
104	Cancer-associated mutations in human pyruvate kinase M2 impair enzyme activity. <i>FEBS Letters</i> , <b>2020</b> , 594, 646-664	3.8	10
103	Cellular redox state constrains serine synthesis and nucleotide production to impact cell proliferation. <i>Nature Metabolism</i> , <b>2019</b> , 1, 861-867	14.6	56
102	A framework for examining how diet impacts tumour metabolism. <i>Nature Reviews Cancer</i> , <b>2019</b> , 19, 651-663	3.6	45
101	Postdiagnosis Loss of Skeletal Muscle, but Not Adipose Tissue, Is Associated with Shorter Survival of Patients with Advanced Pancreatic Cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2019</b> , 28, 2062-2069	4	10
100	Determinants of nutrient limitation in cancer. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , <b>2019</b> , 54, 193-207	8.7	14
99	Phenotypic selection with an intrabody library reveals an anti-apoptotic function of PKM2 requiring Mitofusin-1. <i>PLoS Biology</i> , <b>2019</b> , 17, e2004413	9.7	6
98	Putting the K in Kaloric Restriction. <i>Immunity</i> , <b>2019</b> , 50, 1129-1131	32.3	3
97	Increased Serine Synthesis Provides an Advantage for Tumors Arising in Tissues Where Serine Levels Are Limiting. <i>Cell Metabolism</i> , <b>2019</b> , 29, 1410-1421.e4	24.6	102
96	Increased PHGDH expression promotes aberrant melanin accumulation. <i>BMC Cancer</i> , <b>2019</b> , 19, 723	4.8	4
95	Identification of DHODH as a therapeutic target in small cell lung cancer. <i>Science Translational Medicine</i> , <b>2019</b> , 11,	17.5	40
94	Quantification of microenvironmental metabolites in murine cancers reveals determinants of tumor nutrient availability. <i>ELife</i> , <b>2019</b> , 8,	8.9	178
93	Deoxycytidine Release from Pancreatic Stellate Cells Promotes Gemcitabine Resistance. <i>Cancer Research</i> , <b>2019</b> , 79, 5723-5733	10.1	46
92	Reactive metabolite production is a targetable liability of glycolytic metabolism in lung cancer. <i>Nature Communications</i> , <b>2019</b> , 10, 5604	17.4	25
91	The redox requirements of proliferating mammalian cells. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 7490-7498	5.4	56
90	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. <i>Cell Death and Differentiation</i> , <b>2018</b> , 25, 486-541	12.7	2160
89	Serine Synthesis via PHGDH Is Essential for Heme Production in Endothelial Cells. <i>Cell Metabolism</i> , <b>2018</b> , 28, 573-587.e13	24.6	77
88	Isoform-specific deletion of PKM2 constrains tumor initiation in a mouse model of soft tissue sarcoma. <i>Cancer &amp; Metabolism</i> , <b>2018</b> , 6, 6	5.4	17

87	Cytosolic Aspartate Availability Determines Cell Survival When Glutamine Is Limiting. <i>Cell Metabolism</i> , <b>2018</b> , 28, 706-720.e6	24.6	79
86	Microenvironmental regulation of cancer cell metabolism: implications for experimental design and translational studies. <i>DMM Disease Models and Mechanisms</i> , <b>2018</b> , 11,	4.1	72
85	Altered exocrine function can drive adipose wasting in early pancreatic cancer. <i>Nature</i> , <b>2018</b> , 558, 600-604	9.4	77
84	JAK2/IDH-mutant-driven myeloproliferative neoplasm is sensitive to combined targeted inhibition. <i>Journal of Clinical Investigation</i> , <b>2018</b> , 128, 789-804	15.9	47
83	Height, Obesity, and the Risk of -Defined Prostate Cancer. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2018</b> , 27, 193-200	4	11
82	Lack of evidence for substrate channeling or flux between wildtype and mutant isocitrate dehydrogenase to produce the oncometabolite 2-hydroxyglutarate. <i>Journal of Biological Chemistry</i> , <b>2018</b> , 293, 20051-20061	5.4	10
81	PKM2 is not required for pancreatic ductal adenocarcinoma. <i>Cancer &amp; Metabolism</i> , <b>2018</b> , 6, 17	5.4	20
80	Yap regulates glucose utilization and sustains nucleotide synthesis to enable organ growth. <i>EMBO Journal</i> , <b>2018</b> , 37,	13	39
79	Transaminase Inhibition by 2-Hydroxyglutarate Impairs Glutamate Biosynthesis and Redox Homeostasis in Glioma. <i>Cell</i> , <b>2018</b> , 175, 101-116.e25	56.2	140
78	Protocols for Studies on TMPRSS2/ERG in Prostate Cancer. <i>Methods in Molecular Biology</i> , <b>2018</b> , 1786, 131-151	1.4	1
77	The nutrient environment affects therapy. <i>Science</i> , <b>2018</b> , 360, 962-963	33.3	68
76	Aspartate is an endogenous metabolic limitation for tumour growth. <i>Nature Cell Biology</i> , <b>2018</b> , 20, 782-784	23.4	150
75	Endothelial Cells Get Ebx-ed In to Support Lymphangiogenesis. <i>Developmental Cell</i> , <b>2017</b> , 40, 118-119	10.2	3
74	Understanding the Intersections between Metabolism and Cancer Biology. <i>Cell</i> , <b>2017</b> , 168, 657-669	56.2	971
73	When cancer needs what's non-essential. <i>Nature Cell Biology</i> , <b>2017</b> , 19, 418-420	23.4	8
72	Biochemical Underpinnings of Immune Cell Metabolic Phenotypes. <i>Immunity</i> , <b>2017</b> , 46, 703-713	32.3	69
71	Pyruvate Kinase Inhibits Proliferation during Postnatal Cerebellar Neurogenesis and Suppresses Medulloblastoma Formation. <i>Cancer Research</i> , <b>2017</b> , 77, 3217-3230	10.1	32
70	Direct evidence for cancer-cell-autonomous extracellular protein catabolism in pancreatic tumors. <i>Nature Medicine</i> , <b>2017</b> , 23, 235-241	50.5	199

69	Keap1 loss promotes Kras-driven lung cancer and results in dependence on glutaminolysis. <i>Nature Medicine</i> , <b>2017</b> , 23, 1362-1368	50.5	301
68	Targeting Metabolism for Cancer Therapy. <i>Cell Chemical Biology</i> , <b>2017</b> , 24, 1161-1180	8.2	414
67	Environmental cystine drives glutamine anaplerosis and sensitizes cancer cells to glutaminase inhibition. <i>ELife</i> , <b>2017</b> , 6,	8.9	159
66	Activation of the NRF2 antioxidant program generates an imbalance in central carbon metabolism in cancer. <i>ELife</i> , <b>2017</b> , 6,	8.9	109
65	PKM2 is not required for colon cancer initiated by APC loss. <i>Cancer &amp; Metabolism</i> , <b>2017</b> , 5, 10	5.4	21
64	Metabolism and Congenital Malformations - NAD <sup>B</sup> Effects on Development. <i>New England Journal of Medicine</i> , <b>2017</b> , 377, 509-511	59.2	4
63	Collagen-derived proline promotes pancreatic ductal adenocarcinoma cell survival under nutrient limited conditions. <i>Nature Communications</i> , <b>2017</b> , 8, 16031	17.4	178
62	Nature and Nurture: What Determines Tumor Metabolic Phenotypes?. <i>Cancer Research</i> , <b>2017</b> , 77, 3131-3134	34	43
61	Author response: Activation of the NRF2 antioxidant program generates an imbalance in central carbon metabolism in cancer <b>2017</b> ,		3
60	Metabolic requirements for cancer cell proliferation. <i>Cancer &amp; Metabolism</i> , <b>2016</b> , 4, 16	5.4	75
59	Environment Dictates Dependence on Mitochondrial Complex I for NAD <sup>+</sup> and Aspartate Production and Determines Cancer Cell Sensitivity to Metformin. <i>Cell Metabolism</i> , <b>2016</b> , 24, 716-727	24.6	185
58	PKM2, cancer metabolism, and the road ahead. <i>EMBO Reports</i> , <b>2016</b> , 17, 1721-1730	6.5	249
57	Targeting MTHFD2 in acute myeloid leukemia. <i>Journal of Experimental Medicine</i> , <b>2016</b> , 213, 1285-306	16.6	85
56	Circulating Metabolites and Survival Among Patients With Pancreatic Cancer. <i>Journal of the National Cancer Institute</i> , <b>2016</b> , 108, djv409	9.7	24
55	Biophysical changes reduce energetic demand in growth factor-deprived lymphocytes. <i>Journal of Cell Biology</i> , <b>2016</b> , 212, 439-47	7.3	16
54	Environment Impacts the Metabolic Dependencies of Ras-Driven Non-Small Cell Lung Cancer. <i>Cell Metabolism</i> , <b>2016</b> , 23, 517-28	24.6	463
53	EGLN1 Inhibition and Rerouting of $\beta$ -Ketoglutarate Suffice for Remote Ischemic Protection. <i>Cell</i> , <b>2016</b> , 164, 884-95	56.2	71
52	Amino Acids Rather than Glucose Account for the Majority of Cell Mass in Proliferating Mammalian Cells. <i>Developmental Cell</i> , <b>2016</b> , 36, 540-9	10.2	324

51	Metabolomic Biomarkers of Prostate Cancer: Prediction, Diagnosis, Progression, Prognosis, and Recurrence. <i>Cancer Epidemiology Biomarkers and Prevention</i> , <b>2016</b> , 25, 887-906	4	82
50	A PHGDH inhibitor reveals coordination of serine synthesis and one-carbon unit fate. <i>Nature Chemical Biology</i> , <b>2016</b> , 12, 452-8	11.7	251
49	Germline loss of PKM2 promotes metabolic distress and hepatocellular carcinoma. <i>Genes and Development</i> , <b>2016</b> , 30, 1020-33	12.6	91
48	Tissue of origin dictates branched-chain amino acid metabolism in mutant Kras-driven cancers. <i>Science</i> , <b>2016</b> , 353, 1161-5	33.3	324
47	Altered metabolite levels in cancer: implications for tumour biology and cancer therapy. <i>Nature Reviews Cancer</i> , <b>2016</b> , 16, 680-693	31.3	224
46	Circadian Rhythm Disruption Promotes Lung Tumorigenesis. <i>Cell Metabolism</i> , <b>2016</b> , 24, 324-31	24.6	219
45	The importance of serine metabolism in cancer. <i>Journal of Cell Biology</i> , <b>2016</b> , 214, 249-57	7.3	203
44	A roadmap for interpreting (13)C metabolite labeling patterns from cells. <i>Current Opinion in Biotechnology</i> , <b>2015</b> , 34, 189-201	11.4	368
43	Supporting Aspartate Biosynthesis Is an Essential Function of Respiration in Proliferating Cells. <i>Cell</i> , <b>2015</b> , 162, 552-63	56.2	586
42	An epitope tag alters phosphoglycerate dehydrogenase structure and impairs ability to support cell proliferation. <i>Cancer &amp; Metabolism</i> , <b>2015</b> , 3, 5	5.4	26
41	Antibody-mediated neutralization of perfringolysin o for intracellular protein delivery. <i>Molecular Pharmaceutics</i> , <b>2015</b> , 12, 1992-2000	5.6	10
40	SHMT2 drives glioma cell survival in ischaemia but imposes a dependence on glycine clearance. <i>Nature</i> , <b>2015</b> , 520, 363-7	50.4	216
39	Dysregulated metabolism contributes to oncogenesis. <i>Seminars in Cancer Biology</i> , <b>2015</b> , 35 Suppl, S129-S150	11.7	189
38	Pyruvate kinase: Function, regulation and role in cancer. <i>Seminars in Cell and Developmental Biology</i> , <b>2015</b> , 43, 43-51	7.5	261
37	Pyruvate kinase isoform expression alters nucleotide synthesis to impact cell proliferation. <i>Molecular Cell</i> , <b>2015</b> , 57, 95-107	17.6	164
36	Lack of Evidence for PKM2 Protein Kinase Activity. <i>Molecular Cell</i> , <b>2015</b> , 59, 850-7	17.6	77
35	Human pancreatic cancer tumors are nutrient poor and tumor cells actively scavenge extracellular protein. <i>Cancer Research</i> , <b>2015</b> , 75, 544-53	10.1	466
34	Famine versus Feast: understanding the metabolism of tumors in vivo. <i>Trends in Biochemical Sciences</i> , <b>2015</b> , 40, 130-40	10.3	116

33	Targetable signaling pathway mutations are associated with malignant phenotype in IDH-mutant gliomas. <i>Clinical Cancer Research</i> , <b>2014</b> , 20, 2898-909	12.9	116
32	Cell-state-specific metabolic dependency in hematopoiesis and leukemogenesis. <i>Cell</i> , <b>2014</b> , 158, 1309-1322	33.2	220
31	Elevation of circulating branched-chain amino acids is an early event in human pancreatic adenocarcinoma development. <i>Nature Medicine</i> , <b>2014</b> , 20, 1193-1198	50.5	383
30	Tracing compartmentalized NADPH metabolism in the cytosol and mitochondria of mammalian cells. <i>Molecular Cell</i> , <b>2014</b> , 55, 253-63	17.6	361
29	A DERL3-associated defect in the degradation of SLC2A1 mediates the Warburg effect. <i>Nature Communications</i> , <b>2014</b> , 5, 3608	17.4	77
28	PKM2 isoform-specific deletion reveals a differential requirement for pyruvate kinase in tumor cells. <i>Cell</i> , <b>2013</b> , 155, 397-409	56.2	333
27	Heterogeneity of tumor-induced gene expression changes in the human metabolic network. <i>Nature Biotechnology</i> , <b>2013</b> , 31, 522-9	44.5	279
26	Macropinocytosis of protein is an amino acid supply route in Ras-transformed cells. <i>Nature</i> , <b>2013</b> , 497, 633-7	50.4	989
25	Allosteric regulation of PKM2 allows cellular adaptation to different physiological states. <i>Science Signaling</i> , <b>2013</b> , 6, pe7	8.8	76
24	Exploiting tumor metabolism: challenges for clinical translation. <i>Journal of Clinical Investigation</i> , <b>2013</b> , 123, 3648-51	15.9	59
23	Differential Dependence On Aerobic Glycolysis In Normal and Malignant Hematopoietic Stem and Progenitor Cells To Sustain Daughter Cell Production. <i>Blood</i> , <b>2013</b> , 122, 793-793	2.2	2
22	Small molecule activation of PKM2 in cancer cells induces serine auxotrophy. <i>Chemistry and Biology</i> , <b>2012</b> , 19, 1187-98		117
21	Pyruvate kinase M2 activators promote tetramer formation and suppress tumorigenesis. <i>Nature Chemical Biology</i> , <b>2012</b> , 8, 839-47	11.7	476
20	Reductive glutamine metabolism by IDH1 mediates lipogenesis under hypoxia. <i>Nature</i> , <b>2011</b> , 481, 380-4	50.4	1165
19	Targeting cancer metabolism: a therapeutic window opens. <i>Nature Reviews Drug Discovery</i> , <b>2011</b> , 10, 671-84	64.1	1018
18	Phosphoglycerate dehydrogenase diverts glycolytic flux and contributes to oncogenesis. <i>Nature Genetics</i> , <b>2011</b> , 43, 869-74	36.3	788
17	Aerobic glycolysis: meeting the metabolic requirements of cell proliferation. <i>Annual Review of Cell and Developmental Biology</i> , <b>2011</b> , 27, 441-64	12.6	1680
16	Inhibition of pyruvate kinase M2 by reactive oxygen species contributes to cellular antioxidant responses. <i>Science</i> , <b>2011</b> , 334, 1278-83	33.3	800



15	The alternative splicing repressors hnRNP A1/A2 and PTB influence pyruvate kinase isoform expression and cell metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2010</b> , 107, 1894-9	11.5	293
14	Activation of a metabolic gene regulatory network downstream of mTOR complex 1. <i>Molecular Cell</i> , <b>2010</b> , 39, 171-83	17.6	1294
13	Evidence for an alternative glycolytic pathway in rapidly proliferating cells. <i>Science</i> , <b>2010</b> , 329, 1492-9	33.3	501
12	Cancer-associated IDH1 mutations produce 2-hydroxyglutarate. <i>Nature</i> , <b>2009</b> , 462, 739-44	50.4	2558
11	Understanding the Warburg effect: the metabolic requirements of cell proliferation. <i>Science</i> , <b>2009</b> , 324, 1029-33	33.3	9509
10	Tyrosine phosphorylation inhibits PKM2 to promote the Warburg effect and tumor growth. <i>Science Signaling</i> , <b>2009</b> , 2, ra73	8.8	520
9	Pyruvate kinase M2 is a phosphotyrosine-binding protein. <i>Nature</i> , <b>2008</b> , 452, 181-6	50.4	767
8	The M2 splice isoform of pyruvate kinase is important for cancer metabolism and tumour growth. <i>Nature</i> , <b>2008</b> , 452, 230-3	50.4	2056
7	Growth factors can influence cell growth and survival through effects on glucose metabolism. <i>Molecular and Cellular Biology</i> , <b>2001</b> , 21, 5899-912	4.8	425
6	Nucleotide imbalance decouples cell growth from cell proliferation		1
5	Interactions with stromal cells promote a more oxidized cancer cell redox state in pancreatic tumors		1
4	Caloric restriction alters lipid metabolism to contribute to tumor growth inhibition		1
3	Netrin G1 promotes pancreatic tumorigenesis through cancer associated fibroblast driven nutritional support and immunosuppression		7
2	Quantification of microenvironmental metabolites in murine cancer models reveals determinants of tumor nutrient availability		1
1	Pyruvate kinase M1 suppresses development and progression of prostate adenocarcinoma		1