Kathryn E Wellen

List of Publications by Year in Descending Order

66 papers	12,334 citations	34 h-index	77 g-index
77 ext. papers	14,405 ext. citations	16.5 avg, IF	6.85 L-index

#	Paper	IF	Citations
66	TBIO-11. The glutamine transporter and candidate diagnostic and therapeutic target SLC1A5 is associated with subtype-specific metabolic phenotypes and tumor prognosis in pediatric brain cancers. *Neuro-Oncology*, **2022**, 24, i185-i185	1	
65	Glutamine deprivation triggers NAGK-dependent hexosamine salvage. *ELife*, **2021**, 10,	8.9	2
64	Lactate supports a metabolic-epigenetic link in macrophage polarization. *Science Advances*, **2021**, 7, eabi8602	14.1	3
63	Quantitative subcellular acyl-CoA analysis reveals distinct nuclear metabolism and isoleucine-dependent histone propionylation. *Molecular Cell*, **2021**,	17.6	4
62	The interaction between the gut microbiota and dietary carbohydrates in nonalcoholic fatty liver disease. *Experimental and Molecular Medicine*, **2021**, 53, 809-822	12.8	2
61	Blood-based gene expression signature associated with metastatic castrate-resistant prostate cancer patient response to abiraterone plus prednisone or enzalutamide. *Prostate Cancer and Prostatic Diseases*, **2021**, 24, 448-456	6.2	
60	The Bidirectional Relationship Between Cancer Epigenetics and Metabolism. *Annual Review of Cancer Biology*, **2021**, 5, 235-257	13.3	13
59	Metabolic decisions in development and disease-a Keystone Symposia report. *Annals of the New York Academy of Sciences*, **2021**,	6.5	1
58	Macrophage ATP citrate lyase deficiency stabilizes atherosclerotic plaques. *Nature Communications*, **2020**, 11, 6296	17.4	29
57	Dietary fructose feeds hepatic lipogenesis via microbiota-derived acetate. *Nature*, **2020**, 579, 586-591	50.4	140
56	Advances into understanding metabolites as signaling molecules in cancer progression. *Current Opinion in Cell Biology*, **2020**, 63, 144-153	9	10
55	Compartmentalised acyl-CoA metabolism and roles in chromatin regulation. *Molecular Metabolism*, **2020**, 38, 100941	8.8	55
54	FBXW7 Triggers Degradation of KMT2D to Favor Growth of Diffuse Large B-cell Lymphoma Cells. *Cancer Research*, **2020**, 80, 2498-2511	10.1	6
53	Increased mTOR activity and metabolic efficiency in mouse and human cells containing the African-centric tumor-predisposing p53 variant Pro47Ser. *ELife*, **2020**, 9,	8.9	5
52	mTORC2-AKT signaling to ATP-citrate lyase drives brown adipogenesis and de novo lipogenesis. *Nature Communications*, **2020**, 11, 575	17.4	30
51	The Lipid Handling Capacity of Subcutaneous Fat Is Programmed by mTORC2 during Development. *Cell Reports*, **2020**, 33, 108223	10.6	5
50	Pancreatic cancers suppress negative feedback of glucose transport to reprogram chromatin for metastasis. *Nature Communications*, **2020**, 11, 4055	17.4	6

49	Quantification of lactoyl-CoA (lactyl-CoA) by liquid chromatography mass spectrometry in mammalian cells and tissues. *Open Biology*, **2020**, 10, 200187	7	11
48	Epigenetic Control of Fatty-Acid Metabolism Sustains Glioma Stem Cells. *Cancer Discovery*, **2019**, 9, 1161-1163	21.4	3
47	Adipocyte ACLY Facilitates Dietary Carbohydrate Handling to Maintain Metabolic Homeostasis in Females. *Cell Reports*, **2019**, 27, 2772-2784.e6	10.6	23
46	ATP-citrate lyase multimerization is required for coenzyme-A substrate binding and catalysis. *Journal of Biological Chemistry*, **2019**, 294, 7259-7268	5.4	10
45	Regulation of nuclear epigenome by mitochondrial DNA heteroplasmy. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 16028-16035	11.5	57
44	Subcellular metabolic pathway kinetics are revealed by correcting for artifactual post harvest metabolism. *Molecular Metabolism*, **2019**, 30, 61-71	8.8	9
43	Acetyl-CoA metabolism and the response to dietary sugar. *FASEB Journal*, **2019**, 33, 346.4	0.9	
42	Should we consider subcellular compartmentalization of metabolites, and if so, how do we measure them?. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2019**, 22, 347-354	3.8	18
41	Acetyl-CoA Metabolism Supports Multistep Pancreatic Tumorigenesis. *Cancer Discovery*, **2019**, 9, 416-435	14.4	88
40	N-acetylaspartate pathway is nutrient responsive and coordinates lipid and energy metabolism in brown adipocytes. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2019**, 1866, 337-348	4.9	20
39	Acetyl-CoA promotes glioblastoma cell adhesion and migration through Ca-NFAT signaling. *Genes and Development*, **2018**, 32, 497-511	12.6	63
38	Nutrient sensor O-GlcNAc transferase controls cancer lipid metabolism via SREBP-1 regulation. *Oncogene*, **2018**, 37, 924-934	9.2	34
37	Metabolic Signaling to the Nucleus in Cancer. *Molecular Cell*, **2018**, 71, 398-408	17.6	78
36	Metabolite regulates differentiation. *Science*, **2018**, 360, 603-604	33.3	5
35	Spatiotemporal Control of Acetyl-CoA Metabolism in Chromatin Regulation. *Trends in Biochemical Sciences*, **2018**, 43, 61-74	10.3	142
34	Acetate Production from Glucose and Coupling to Mitochondrial Metabolism in Mammals. *Cell*, **2018**, 175, 502-513.e13	56.2	134
33	Impact of a High-fat Diet on Tissue Acyl-CoA and Histone Acetylation Levels. *Journal of Biological Chemistry*, **2017**, 292, 3312-3322	5.4	89
32	Epigenomic reprogramming during pancreatic cancer progression links anabolic glucose metabolism to distant metastasis. *Nature Genetics*, **2017**, 49, 367-376	36.3	250

31	Sexual dimorphism in the hepatic protein response to a moderate trans fat diet in senescence-accelerated mice. *Lipids in Health and Disease*, **2017**, 16, 243	4.4	3
30	Nuclear Acetyl-CoA Production by ACLY Promotes Homologous Recombination. *Molecular Cell*, **2017**, 67, 252-265.e6	17.6	110
29	Metabolic control of epigenetics in cancer. *Nature Reviews Cancer*, **2016**, 16, 694-707	31.3	220
28	ATP-Citrate Lyase Controls a Glucose-to-Acetate Metabolic Switch. *Cell Reports*, **2016**, 17, 1037-1052	10.6	181
27	Metabolic control of methylation and acetylation. *Current Opinion in Chemical Biology*, **2016**, 30, 52-60	9.7	159
26	Malic enzyme tracers reveal hypoxia-induced switch in adipocyte NADPH pathway usage. *Nature Chemical Biology*, **2016**, 12, 345-52	11.7	76
25	Targeting ACLY sensitizes castration-resistant prostate cancer cells to AR antagonism by impinging on an ACLY-AMPK-AR feedback mechanism. *Oncotarget*, **2016**, 7, 43713-43730	3.3	40
24	Immunometabolism: Metabolism fine-tunes macrophage activation. *ELife*, **2016**, 5,	8.9	9
23	A cancerous web: signaling, metabolism, and the epigenome. *Molecular and Cellular Oncology*, **2015**, 2, e965620	1.2	2
22	Molecular biology: Salvaging the genome. *Nature*, **2015**, 524, 40-1	50.4	2
21	Dysregulated metabolism contributes to oncogenesis. *Seminars in Cancer Biology*, **2015**, 35 Suppl, S129-S150	12.7	189
20	Designing a broad-spectrum integrative approach for cancer prevention and treatment. *Seminars in Cancer Biology*, **2015**, 35 Suppl, S276-S304	12.7	179
19	Metabolism and epigenetics: a link cancer cells exploit. *Current Opinion in Biotechnology*, **2015**, 34, 23-9	11.4	62
18	ATM couples replication stress and metabolic reprogramming during cellular senescence. *Cell Reports*, **2015**, 11, 893-901	10.6	75
17	Akt-dependent metabolic reprogramming regulates tumor cell histone acetylation. *Cell Metabolism*, **2014**, 20, 306-319	24.6	340
16	Reciprocal regulation of p53 and malic enzymes modulates metabolism and senescence. *Nature*, **2013**, 493, 689-93	50.4	318
15	Obesity, cancer, and acetyl-CoA metabolism. *Drug Discovery Today Disease Mechanisms*, **2013**, 10, e55-e61		17
14	DNMT1 is regulated by ATP-citrate lyase and maintains methylation patterns during adipocyte differentiation. *Molecular and Cellular Biology*, **2013**, 33, 3864-78	4.8	71

List of Publications

13	Metabolic reprogramming in cancer: unraveling the role of glutamine in tumorigenesis. *Seminars in Cell and Developmental Biology*, **2012**, 23, 362-9	7.5	269
12	IDH mutation impairs histone demethylation and results in a block to cell differentiation. *Nature*, **2012**, 483, 474-8	50.4	1393
11	A two-way street: reciprocal regulation of metabolism and signalling. *Nature Reviews Molecular Cell Biology*, **2012**, 13, 270-6	48.7	360
10	The hexosamine biosynthetic pathway couples growth factor-induced glutamine uptake to glucose metabolism. *Genes and Development*, **2010**, 24, 2784-99	12.6	260
9	Cellular metabolic stress: considering how cells respond to nutrient excess. *Molecular Cell*, **2010**, 40, 323-32	17.6	348
8	ATP-citrate lyase links cellular metabolism to histone acetylation. *Science*, **2009**, 324, 1076-80	33.3	1402
7	Coordinated regulation of nutrient and inflammatory responses by STAMP2 is essential for metabolic homeostasis. *Cell*, **2007**, 129, 537-48	56.2	157
6	Inflammation, stress, and diabetes. *Journal of Clinical Investigation*, **2005**, 115, 1111-1119	15.9	1212
5	Inflammation, stress, and diabetes. *Journal of Clinical Investigation*, **2005**, 115, 1111-9	15.9	2248
4	Interaction of tumor necrosis factor-alpha- and thiazolidinedione-regulated pathways in obesity. *Endocrinology*, **2004**, 145, 2214-20	4.8	31
3	Obesity-induced inflammatory changes in adipose tissue. *Journal of Clinical Investigation*, **2003**, 112, 1785-8	15.9	1225
2	Quantitative sub-cellular acyl-CoA analysis reveals distinct nuclear regulation		1
1	Glutamine deprivation triggers NAGK-dependent hexosamine salvage		2