

Kathryn E Wellen

List of Publications by Citations

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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.

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	Inflammation, stress, and diabetes. <i>Journal of Clinical Investigation</i> , 2005 , 115, 1111-9	15.9	2248
65	ATP-citrate lyase links cellular metabolism to histone acetylation. <i>Science</i> , 2009 , 324, 1076-80	33.3	1402
64	IDH mutation impairs histone demethylation and results in a block to cell differentiation. <i>Nature</i> , 2012 , 483, 474-8	50.4	1393
63	Obesity-induced inflammatory changes in adipose tissue. <i>Journal of Clinical Investigation</i> , 2003 , 112, 1785-89	15.9	1225
62	Inflammation, stress, and diabetes. <i>Journal of Clinical Investigation</i> , 2005 , 115, 1111-1119	15.9	1212
61	A two-way street: reciprocal regulation of metabolism and signalling. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 270-6	48.7	360
60	Cellular metabolic stress: considering how cells respond to nutrient excess. <i>Molecular Cell</i> , 2010 , 40, 323-32	17.6	348
59	Akt-dependent metabolic reprogramming regulates tumor cell histone acetylation. <i>Cell Metabolism</i> , 2014 , 20, 306-319	24.6	340
58	Reciprocal regulation of p53 and malic enzymes modulates metabolism and senescence. <i>Nature</i> , 2013 , 493, 689-93	50.4	318
57	Metabolic reprogramming in cancer: unraveling the role of glutamine in tumorigenesis. <i>Seminars in Cell and Developmental Biology</i> , 2012 , 23, 362-9	7.5	269
56	The hexosamine biosynthetic pathway couples growth factor-induced glutamine uptake to glucose metabolism. <i>Genes and Development</i> , 2010 , 24, 2784-99	12.6	260
55	Epigenomic reprogramming during pancreatic cancer progression links anabolic glucose metabolism to distant metastasis. <i>Nature Genetics</i> , 2017 , 49, 367-376	36.3	250
54	Metabolic control of epigenetics in cancer. <i>Nature Reviews Cancer</i> , 2016 , 16, 694-707	31.3	220
53	Dysregulated metabolism contributes to oncogenesis. <i>Seminars in Cancer Biology</i> , 2015 , 35 Suppl, S129-S150	11.5	189
52	ATP-Citrate Lyase Controls a Glucose-to-Acetate Metabolic Switch. <i>Cell Reports</i> , 2016 , 17, 1037-1052	10.6	181
51	Designing a broad-spectrum integrative approach for cancer prevention and treatment. <i>Seminars in Cancer Biology</i> , 2015 , 35 Suppl, S276-S304	12.7	179
50	Metabolic control of methylation and acetylation. <i>Current Opinion in Chemical Biology</i> , 2016 , 30, 52-60	9.7	159

49	Coordinated regulation of nutrient and inflammatory responses by STAMP2 is essential for metabolic homeostasis. <i>Cell</i> , 2007 , 129, 537-48	56.2	157
48	Spatiotemporal Control of Acetyl-CoA Metabolism in Chromatin Regulation. <i>Trends in Biochemical Sciences</i> , 2018 , 43, 61-74	10.3	142
47	Dietary fructose feeds hepatic lipogenesis via microbiota-derived acetate. <i>Nature</i> , 2020 , 579, 586-591	50.4	140
46	Acetate Production from Glucose and Coupling to Mitochondrial Metabolism in Mammals. <i>Cell</i> , 2018 , 175, 502-513.e13	56.2	134
45	Nuclear Acetyl-CoA Production by ACLY Promotes Homologous Recombination. <i>Molecular Cell</i> , 2017 , 67, 252-265.e6	17.6	110
44	Impact of a High-fat Diet on Tissue Acyl-CoA and Histone Acetylation Levels. <i>Journal of Biological Chemistry</i> , 2017 , 292, 3312-3322	5.4	89
43	Acetyl-CoA Metabolism Supports Multistep Pancreatic Tumorigenesis. <i>Cancer Discovery</i> , 2019 , 9, 416-435	54.4	88
42	Metabolic Signaling to the Nucleus in Cancer. <i>Molecular Cell</i> , 2018 , 71, 398-408	17.6	78
41	Malic enzyme tracers reveal hypoxia-induced switch in adipocyte NADPH pathway usage. <i>Nature Chemical Biology</i> , 2016 , 12, 345-52	11.7	76
40	ATM couples replication stress and metabolic reprogramming during cellular senescence. <i>Cell Reports</i> , 2015 , 11, 893-901	10.6	75
39	DNMT1 is regulated by ATP-citrate lyase and maintains methylation patterns during adipocyte differentiation. <i>Molecular and Cellular Biology</i> , 2013 , 33, 3864-78	4.8	71
38	Acetyl-CoA promotes glioblastoma cell adhesion and migration through Ca-NFAT signaling. <i>Genes and Development</i> , 2018 , 32, 497-511	12.6	63
37	Metabolism and epigenetics: a link cancer cells exploit. <i>Current Opinion in Biotechnology</i> , 2015 , 34, 23-9	11.4	62
36	Regulation of nuclear epigenome by mitochondrial DNA heteroplasmy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 16028-16035	11.5	57
35	Compartmentalised acyl-CoA metabolism and roles in chromatin regulation. <i>Molecular Metabolism</i> , 2020 , 38, 100941	8.8	55
34	Targeting ACLY sensitizes castration-resistant prostate cancer cells to AR antagonism by impinging on an ACLY-AMPK-AR feedback mechanism. <i>Oncotarget</i> , 2016 , 7, 43713-43730	3.3	40
33	Nutrient sensor O-GlcNAc transferase controls cancer lipid metabolism via SREBP-1 regulation. <i>Oncogene</i> , 2018 , 37, 924-934	9.2	34
32	Interaction of tumor necrosis factor-alpha- and thiazolidinedione-regulated pathways in obesity. <i>Endocrinology</i> , 2004 , 145, 2214-20	4.8	31

31	mTORC2-AKT signaling to ATP-citrate lyase drives brown adipogenesis and de novo lipogenesis. <i>Nature Communications</i> , 2020 , 11, 575	17.4	30
30	Macrophage ATP citrate lyase deficiency stabilizes atherosclerotic plaques. <i>Nature Communications</i> , 2020 , 11, 6296	17.4	29
29	Adipocyte ACLY Facilitates Dietary Carbohydrate Handling to Maintain Metabolic Homeostasis in Females. <i>Cell Reports</i> , 2019 , 27, 2772-2784.e6	10.6	23
28	N-acetylaspartate pathway is nutrient responsive and coordinates lipid and energy metabolism in brown adipocytes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2019 , 1866, 337-348	4.9	20
27	Should we consider subcellular compartmentalization of metabolites, and if so, how do we measure them?. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2019 , 22, 347-354	3.8	18
26	Obesity, cancer, and acetyl-CoA metabolism. <i>Drug Discovery Today Disease Mechanisms</i> , 2013 , 10, e55-e61		17
25	The Bidirectional Relationship Between Cancer Epigenetics and Metabolism. <i>Annual Review of Cancer Biology</i> , 2021 , 5, 235-257	13.3	13
24	Quantification of lactoyl-CoA (lactyl-CoA) by liquid chromatography mass spectrometry in mammalian cells and tissues. <i>Open Biology</i> , 2020 , 10, 200187	7	11
23	ATP-citrate lyase multimerization is required for coenzyme-A substrate binding and catalysis. <i>Journal of Biological Chemistry</i> , 2019 , 294, 7259-7268	5.4	10
22	Advances into understanding metabolites as signaling molecules in cancer progression. <i>Current Opinion in Cell Biology</i> , 2020 , 63, 144-153	9	10
21	Subcellular metabolic pathway kinetics are revealed by correcting for artifactual post harvest metabolism. <i>Molecular Metabolism</i> , 2019 , 30, 61-71	8.8	9
20	Immunometabolism: Metabolism fine-tunes macrophage activation. <i>ELife</i> , 2016 , 5,	8.9	9
19	FBXW7 Triggers Degradation of KMT2D to Favor Growth of Diffuse Large B-cell Lymphoma Cells. <i>Cancer Research</i> , 2020 , 80, 2498-2511	10.1	6
18	Pancreatic cancers suppress negative feedback of glucose transport to reprogram chromatin for metastasis. <i>Nature Communications</i> , 2020 , 11, 4055	17.4	6
17	Metabolite regulates differentiation. <i>Science</i> , 2018 , 360, 603-604	33.3	5
16	Increased mTOR activity and metabolic efficiency in mouse and human cells containing the African-centric tumor-predisposing p53 variant Pro47Ser. <i>ELife</i> , 2020 , 9,	8.9	5
15	The Lipid Handling Capacity of Subcutaneous Fat Is Programmed by mTORC2 during Development. <i>Cell Reports</i> , 2020 , 33, 108223	10.6	5
14	Quantitative subcellular acyl-CoA analysis reveals distinct nuclear metabolism and isoleucine-dependent histone propionylation. <i>Molecular Cell</i> , 2021 ,	17.6	4

13	Epigenetic Control of Fatty-Acid Metabolism Sustains Glioma Stem Cells. <i>Cancer Discovery</i> , 2019 , 9, 1161-1163	11.63	3
12	Sexual dimorphism in the hepatic protein response to a moderate trans fat diet in senescence-accelerated mice. <i>Lipids in Health and Disease</i> , 2017 , 16, 243	4.4	3
11	Lactate supports a metabolic-epigenetic link in macrophage polarization. <i>Science Advances</i> , 2021 , 7, eabg8692	8.9	3
10	A cancerous web: signaling, metabolism, and the epigenome. <i>Molecular and Cellular Oncology</i> , 2015 , 2, e965620	1.2	2
9	Molecular biology: Salvaging the genome. <i>Nature</i> , 2015 , 524, 40-1	50.4	2
8	Glutamine deprivation triggers NAGK-dependent hexosamine salvage. <i>ELife</i> , 2021 , 10,	8.9	2
7	Glutamine deprivation triggers NAGK-dependent hexosamine salvage		2
6	The interaction between the gut microbiota and dietary carbohydrates in nonalcoholic fatty liver disease. <i>Experimental and Molecular Medicine</i> , 2021 , 53, 809-822	12.8	2
5	Quantitative sub-cellular acyl-CoA analysis reveals distinct nuclear regulation		1
4	Metabolic decisions in development and disease-a Keystone Symposia report. <i>Annals of the New York Academy of Sciences</i> , 2021 ,	6.5	1
3	Acetyl-CoA metabolism and the response to dietary sugar. <i>FASEB Journal</i> , 2019 , 33, 346.4	0.9	
2	Blood-based gene expression signature associated with metastatic castrate-resistant prostate cancer patient response to abiraterone plus prednisone or enzalutamide. <i>Prostate Cancer and Prostatic Diseases</i> , 2021 , 24, 448-456	6.2	
1	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. <i>Neuro-Oncology</i> , 2022 , 24, i185-i185	1	