

Sophie Trefely

List of Publications by Year in descending order

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Version: 2024-02-01

33
papers

2,720
citations

304602

22
h-index

414303

32
g-index

41
all docs

41
docs citations

41
times ranked

4813
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Phosphoproteomic Analysis of Human Skeletal Muscle Reveals a Network of Exercise-Regulated Kinases and AMPK Substrates. <i>Cell Metabolism</i> , 2015, 22, 922-935.	7.2	333
2	Dietary fructose feeds hepatic lipogenesis via microbiota-derived acetate. <i>Nature</i> , 2020, 579, 586-591.	13.7	314
3	ATP-Citrate Lyase Controls a Glucose-to-Acetate Metabolic Switch. <i>Cell Reports</i> , 2016, 17, 1037-1052.	2.9	282
4	Metabolic rewiring of macrophages by CpG potentiates clearance of cancer cells and overcomes tumor-expressed CD47-mediated "don't-eat-me" signal. <i>Nature Immunology</i> , 2019, 20, 265-275.	7.0	193
5	Acetyl-CoA Metabolism Supports Multistep Pancreatic Tumorigenesis. <i>Cancer Discovery</i> , 2019, 9, 416-435.	7.7	184
6	Compartmentalised acyl-CoA metabolism and roles in chromatin regulation. <i>Molecular Metabolism</i> , 2020, 38, 100941.	3.0	146
7	A PRDM16-Driven Metabolic Signal from Adipocytes Regulates Precursor Cell Fate. <i>Cell Metabolism</i> , 2019, 30, 174-189.e5.	7.2	141
8	Impact of a High-fat Diet on Tissue Acyl-CoA and Histone Acetylation Levels. <i>Journal of Biological Chemistry</i> , 2017, 292, 3312-3322.	1.6	128
9	The CPT1a inhibitor, etomoxir induces severe oxidative stress at commonly used concentrations. <i>Scientific Reports</i> , 2018, 8, 6289.	1.6	119
10	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.	3.3	108
11	Acetyl-CoA promotes glioblastoma cell adhesion and migration through Ca ²⁺ -NFAT signaling. <i>Genes and Development</i> , 2018, 32, 497-511.	2.7	97
12	LC-quadrupole/Orbitrap high-resolution mass spectrometry enables stable isotope-resolved simultaneous quantification and ¹³ C-isotopic labeling of acyl-coenzyme A thioesters. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3651-3658.	1.9	77
13	FluxFix: automatic isotopologue normalization for metabolic tracer analysis. <i>BMC Bioinformatics</i> , 2016, 17, 485.	1.2	72
14	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.	0.8	62
15	Kinome Screen Identifies PFKFB3 and Glucose Metabolism as Important Regulators of the Insulin/Insulin-like Growth Factor (IGF)-1 Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2015, 290, 25834-25846.	1.6	50
16	Adipocyte ACLY Facilitates Dietary Carbohydrate Handling to Maintain Metabolic Homeostasis in Females. <i>Cell Reports</i> , 2019, 27, 2772-2784.e6.	2.9	49
17	Quantitative subcellular acyl-CoA analysis reveals distinct nuclear metabolism and isoleucine-dependent histone propionylation. <i>Molecular Cell</i> , 2022, 82, 447-462.e6.	4.5	45
18	Messenger RNA 5' NAD ⁺ Capping Is a Dynamic Regulatory Epitranscriptome Mark That Is Required for Proper Response to Abscisic Acid in Arabidopsis. <i>Developmental Cell</i> , 2021, 56, 125-140.e6.	3.1	40

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19	Quantification of lactoyl-CoA (lactyl-CoA) by liquid chromatography mass spectrometry in mammalian cells and tissues. <i>Open Biology</i> , 2020, 10, 200187.	1.5	38
20	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.	1.9	37
21	Crb10 regulates the development of fiber number in skeletal muscle. <i>FASEB Journal</i> , 2012, 26, 3658-3669.	0.2	31
22	O-GlcNAc transferase regulates glioblastoma acetate metabolism via regulation of CDK5-dependent ACSS2 phosphorylation. <i>Oncogene</i> , 2022, 41, 2122-2136.	2.6	29
23	Integrated Analysis of Acetyl-CoA and Histone Modification via Mass Spectrometry to Investigate Metabolically Driven Acetylation. <i>Methods in Molecular Biology</i> , 2019, 1928, 125-147.	0.4	25
24	Subcellular metabolic pathway kinetics are revealed by correcting for artifactual post harvest metabolism. <i>Molecular Metabolism</i> , 2019, 30, 61-71.	3.0	24
25	Glutamine deprivation triggers NACK-dependent hexosamine salvage. <i>ELife</i> , 2021, 10, .	2.8	24
26	The deacylase SIRT5 supports melanoma viability by influencing chromatin dynamics. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	23
27	Crosstalk between cellular metabolism and histone acetylation. <i>Methods in Enzymology</i> , 2019, 626, 1-21.	0.4	14
28	Stable isotope labeling by essential nutrients in cell culture (SILEC) for accurate measurement of nicotinamide adenine dinucleotide metabolism. <i>Analyst, The</i> , 2017, 142, 4431-4437.	1.7	9
29	Metabolite regulates differentiation. <i>Science</i> , 2018, 360, 603-604.	6.0	8
30	Artefactual formation of pyruvate from in-source conversion of lactate. <i>Rapid Communications in Mass Spectrometry</i> , 2018, 32, 1163-1168.	0.7	6
31	Global Phosphoproteomic Analysis of Human Skeletal Muscle Reveals a Network of Exercise-Regulated Kinases and AMPK Substrates. <i>Cell Metabolism</i> , 2015, 22, 948.	7.2	5
32	Direct anabolic metabolism of three-carbon propionate to a six-carbon metabolite occurs in vivo across tissues and species. <i>Journal of Lipid Research</i> , 2022, 63, 100224.	2.0	1
33	Adipocyte ACLY Facilitates Dietary Carbohydrate Handling and Protects Against Insulin Resistance in Females. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0