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List of Articles by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Immune Checkpoint Blockade Delays Cancer Development and Extends Survival in DNA Polymerase Mutator Syndromes. <i>Cancer Research</i> , 2025, 85, 1130-1144.	3.8	2
2	Resolving tissue complexity by multimodal spatial omics modeling with MISO. <i>Nature Methods</i> , 2025, 22, 530-538.	24.6	34
3	Lactate homeostasis is maintained through regulation of glycolysis and lipolysis. <i>Cell Metabolism</i> , 2025, 37, 758-771.e8.	25.2	34
4	A cellular and molecular basis of leptin resistance. <i>Cell Metabolism</i> , 2025, 37, 723-741.e6.	25.2	16
5	The time is now: accounting for time-of-day effects to improve reproducibility and translation of metabolism research. <i>Nature Metabolism</i> , 2025, 7, 454-468.	17.1	8
6	Off-target depletion of plasma tryptophan by allosteric inhibitors of BCKDK. <i>Molecular Metabolism</i> , 2025, 97, 102165.	5.9	1
7	Microbiome metabolism of dietary phytochemicals controls the anticancer activity of PI3K inhibitors. <i>Cell</i> , 2025, 188, 3065-3080.e21.	33.7	9
8	CLN3 disease disrupts very early postnatal hippocampal maturation. <i>Scientific Reports</i> , 2025, 15, .	3.4	2
9	Decomartmentalization of the yeast mitochondrial metabolism to improve chemical production in <i>Ssatchenkia orientalis</i> . <i>Nature Communications</i> , 2025, 16, .	13.7	4
10	Lipid accumulation in nitrogen and phosphorus-limited yeast is caused by less growth-related dilution. <i>Metabolic Engineering</i> , 2025, 93, 60-72.	6.8	3
11	Genetics-nutrition interactions control diurnal enhancer-promoter dynamics and liver lipid metabolism. <i>Cell Metabolism</i> , 2025, 37, 1961-1979.e7.	25.2	1
12	Dietary saturated fatty acids promote lung myeloid cell inflammasome activation and IL-1 β -mediated inflammation in mice and humans. <i>Science Translational Medicine</i> , 2025, 17, .	12.5	1
13	Glycine homeostasis requires reverse SHMT flux. <i>Cell Metabolism</i> , 2024, 36, 103-115.e4.	25.2	46
14	Mitochondrial ATP generation is more proteome efficient than glycolysis. <i>Nature Chemical Biology</i> , 2024, 20, 1123-1132.	11.8	89
15	TREM1 disrupts myeloid bioenergetics and cognitive function in aging and Alzheimer disease mouse models. <i>Nature Neuroscience</i> , 2024, 27, 873-885.	17.0	37
16	A folate inhibitor exploits metabolic differences in <i>Pseudomonas aeruginosa</i> for narrow-spectrum targeting. <i>Nature Microbiology</i> , 2024, 9, 1207-1219.	16.0	17
17	One-carbon unit supplementation fuels purine synthesis in tumor-infiltrating T β cells and augments checkpoint blockade. <i>Cell Chemical Biology</i> , 2024, 31, 932-943.e8.	6.2	17
18	Restoring hippocampal glucose metabolism rescues cognition across Alzheimer's disease pathologies. <i>Science</i> , 2024, 385, .	36.2	136

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19	Cardiac NAD ⁺ depletion in mice promotes hypertrophic cardiomyopathy and arrhythmias prior to impaired bioenergetics. <i>Nature Cardiovascular Research</i> , 2024, 3, 1236-1248.	8.4	8
20	Quantification of nutrient fluxes during acute exercise in mice. <i>Cell Metabolism</i> , 2024, 36, 2560-2579.e5.	25.2	13
21	Metabolic engineering of low-pH-tolerant non-model yeast, <i>Issatchenkia orientalis</i> , for production of citramalate. <i>Metabolic Engineering Communications</i> , 2023, 16, e00220.	3.9	17
22	Slow TCA flux and ATP production in primary solid tumours but not metastases. <i>Nature</i> , 2023, 614, 349-357.	37.9	253
23	Branched-chain amino acid catabolism in muscle affects systemic BCAA levels but not insulin resistance. <i>Nature Metabolism</i> , 2023, 5, 589-606.	17.1	40
24	Accelerating the development of a sustainable bioenergy portfolio through stable isotopes. <i>GCB Bioenergy</i> , 2023, 15, 840-866.	4.3	7
25	A sense-antisense RNA interaction promotes breast cancer metastasis via regulation of NQO1 expression. <i>Nature Cancer</i> , 2023, 4, 682-698.	22.5	28
26	Oxidative stress induces lysosomal membrane permeabilization and ceramide accumulation in retinal pigment epithelial cells. <i>DMM Disease Models and Mechanisms</i> , 2023, 16, .	2.0	30
27	The pentose phosphate pathway in health and disease. <i>Nature Metabolism</i> , 2023, 5, 1275-1289.	17.1	401
28	An end-to-end pipeline for succinic acid production at an industrially relevant scale using <i>Issatchenkia orientalis</i> . <i>Nature Communications</i> , 2023, 14, .	13.7	59
29	Acidic Methanol Treatment Facilitates Matrix-Assisted Laser Desorption Ionization-Mass Spectrometry Imaging of Energy Metabolism. <i>Analytical Chemistry</i> , 2023, 95, 14879-14888.	6.5	24
30	Formate Supplementation Enhances Antitumor CD8 ⁺ T-cell Fitness and Efficacy of PD-1 Blockade. <i>Cancer Discovery</i> , 2023, 13, 2566-2583.	25.1	39
31	Comprehensive quantification of metabolic flux during acute cold stress in mice. <i>Cell Metabolism</i> , 2023, 35, 2077-2092.e6.	25.2	67
32	Metabolic pathway analysis using stable isotopes in patients with cancer. <i>Nature Reviews Cancer</i> , 2023, 23, 863-878.	60.8	53
33	Activation of the integrated stress response rewires cardiac metabolism in Barth syndrome. <i>Basic Research in Cardiology</i> , 2023, 118, .	7.0	19
34	Systematic identification and characterization of genes in the regulation and biogenesis of photosynthetic machinery. <i>Cell</i> , 2023, 186, 5638-5655.e25.	33.7	26
35	Metabolic Profiling Reveals a Dependency of Human Metastatic Breast Cancer on Mitochondrial Serine and One-Carbon Unit Metabolism. <i>Molecular Cancer Research</i> , 2022, 18, 599-611.	3.1	72
36	GCN2 adapts protein synthesis to scavenging-dependent growth. <i>Cell Systems</i> , 2022, 13, 158-172.e9.	5.8	30

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37	Inhibition of glucose transport synergizes with chemical or genetic disruption of mitochondrial metabolism and suppresses TCA cycle-deficient tumors. <i>Cell Chemical Biology</i> , 2022, 29, 423-435.e10.	6.2	59
38	SHMT2 inhibition disrupts the TCF3 transcriptional survival program in Burkitt lymphoma. <i>Blood</i> , 2022, 139, 538-553.	4.2	40
39	MTHFD2 is a metabolic checkpoint controlling effector and regulatory T cell fate and function. <i>Immunity</i> , 2022, 55, 65-81.e9.	22.6	175
40	Circulating metabolite homeostasis achieved through mass action. <i>Nature Metabolism</i> , 2022, 4, 141-152.	17.1	49
41	Sex and genetic background define the metabolic, physiologic, and molecular response to protein restriction. <i>Cell Metabolism</i> , 2022, 34, 209-226.e5.	25.2	101
42	Spatially resolved isotope tracing reveals tissue metabolic activity. <i>Nature Methods</i> , 2022, 19, 223-230.	24.6	161
43	Ketogenic diet and chemotherapy combine to disrupt pancreatic cancer metabolism and growth. <i>Med</i> , 2022, 3, 119-136.e8.	7.0	87
44	Impaired Lymphocyte Responses in Pediatric Sepsis Vary by Pathogen Type and are Associated with Features of Immunometabolic Dysregulation. <i>Shock</i> , 2022, 57, 191-199.	2.4	17
45	G6PD-mediated increase in de novo NADP ⁺ biosynthesis promotes antioxidant defense and tumor metastasis. <i>Science Advances</i> , 2022, 8, .	10.9	48
46	Glucose feeds the tricarboxylic acid cycle via excreted ethanol in fermenting yeast. <i>Nature Chemical Biology</i> , 2022, 18, 1380-1387.	11.8	35
47	Selenium Modulates Cancer Cell Response to Pharmacologic Ascorbate. <i>Cancer Research</i> , 2022, 82, 3486-3498.	3.8	31
48	Integrated landscape of cardiac metabolism in end-stage human nonischemic dilated cardiomyopathy. <i>Nature Cardiovascular Research</i> , 2022, , .	8.4	35
49	Gut bacterial nutrient preferences quantified in vivo. <i>Cell</i> , 2022, 185, 3441-3456.e19.	33.7	160
50	Myeloid-derived itaconate suppresses cytotoxic CD8 ⁺ T cells and promotes tumour growth. <i>Nature Metabolism</i> , 2022, 4, 1660-1673.	17.1	138
51	NAD precursors cycle between host tissues and the gut microbiome. <i>Cell Metabolism</i> , 2022, 34, 1947-1959.e5.	25.2	113
52	Photoproximity Labeling of Sialylated Glycoproteins (GlycoMap) Reveals Sialylation-Dependent Regulation of Ion Transport. <i>Journal of the American Chemical Society</i> , 2022, 144, 23633-23641.	15.0	41
53	Upregulation of Antioxidant Capacity and Nucleotide Precursor Availability Suffices for Oncogenic Transformation. <i>Cell Metabolism</i> , 2021, 33, 94-109.e8.	25.2	80
54	Inhibition of de novo pyrimidine synthesis augments Gemcitabine induced growth inhibition in an immunocompetent model of pancreatic cancer. <i>International Journal of Biological Sciences</i> , 2021, 17, 2240-2251.	8.5	10

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55	Restoring metabolism of myeloid cells reverses cognitive decline in ageing. <i>Nature</i> , 2021, 590, 122-128.	37.9	416
56	The Source of Glycolytic Intermediates in Mammalian Tissues. <i>Cell Metabolism</i> , 2021, 33, 367-378.e5.	25.2	115
57	The adverse metabolic effects of branched-chain amino acids are mediated by isoleucine and valine. <i>Cell Metabolism</i> , 2021, 33, 905-922.e6.	25.2	339
58	Monitoring mammalian mitochondrial translation with MitoRiboSeq. <i>Nature Protocols</i> , 2021, 16, 2802-2825.	14.4	32
59	mTORC1 promotes cell growth via m6A-dependent mRNA degradation. <i>Molecular Cell</i> , 2021, 81, 2064-2075.e8.	13.3	93
60	Live-Cell Imaging of NADPH Production from Specific Pathways. <i>CCS Chemistry</i> , 2021, 3, 1642-1648.	8.6	11
61	Local production of lactate, ribose phosphate, and amino acids by human triple-negative breast cancer. <i>Med</i> , 2021, 2, 736-754.e6.	7.0	52
62	NAD ⁺ flux is maintained in aged mice despite lower tissue concentrations. <i>Cell Systems</i> , 2021, 12, 1160-1172.e4.	5.8	96
63	A genetic model of methionine restriction extends <i>Drosophila</i> health- and lifespan. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.5	40
64	CAR T-Cells Depend on the Coupling of NADH Oxidation with ATP Production. <i>Cells</i> , 2021, 10, 2334.	4.7	11
65	Metabolite discovery through global annotation of untargeted metabolomics data. <i>Nature Methods</i> , 2021, 18, 1377-1385.	24.6	212
66	Activation of the NRF2 antioxidant program sensitizes tumors to G6PD inhibition. <i>Science Advances</i> , 2021, 7, .	10.9	77
67	Serine catabolism generates liver NADPH and supports hepatic lipogenesis. <i>Nature Metabolism</i> , 2021, 3, 1608-1620.	17.1	101
68	Methionine synthase supports tumour tetrahydrofolate pools. <i>Nature Metabolism</i> , 2021, 3, 1512-1520.	17.1	53
69	Bisphosphoglycerate Mutase Deficiency Protects against Cerebral Malaria and Severe Malaria-Induced Anemia. <i>Cell Reports</i> , 2020, 32, 108170.	6.3	11
70	Glucose-6-Phosphate Dehydrogenase Is Not Essential for K-Ras ⁺ Driven Tumor Growth or Metastasis. <i>Cancer Research</i> , 2020, 80, 3820-3829.	3.8	42
71	CD38 ecto-enzyme in immune cells is induced during aging and regulates NAD ⁺ and NMN levels. <i>Nature Metabolism</i> , 2020, 2, 1284-1304.	17.1	286
72	SLC25A51 is a mammalian mitochondrial NAD ⁺ transporter. <i>Nature</i> , 2020, 588, 174-179.	37.9	267

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73	Enhancing Chimeric Antigen Receptor T Cell Anti-tumor Function through Advanced Media Design. <i>Molecular Therapy - Methods and Clinical Development</i> , 2020, 18, 595-606.	4.1	58
74	Quantitative Fluxomics of Circulating Metabolites. <i>Cell Metabolism</i> , 2020, 32, 676-688.e4.	25.2	257
75	Chaperone-mediated autophagy regulates the pluripotency of embryonic stem cells. <i>Science</i> , 2020, 369, 397-403.	36.2	91
76	The hepatocyte clock and feeding control chronophysiology of multiple liver cell types. <i>Science</i> , 2020, 369, 1388-1394.	36.2	157
77	Metabolic excretion associated with nutrientâ€growth dysregulation promotes the rapid evolution of an overt metabolic defect. <i>PLoS Biology</i> , 2020, 18, e3000757.	5.0	20
78	Autophagy promotes growth of tumors with high mutational burden by inhibiting a T-cell immune response. <i>Nature Cancer</i> , 2020, 1, 923-934.	22.5	110
79	Obesity Shapes Metabolism in the Tumor Microenvironment to Suppress Anti-Tumor Immunity. <i>Cell</i> , 2020, 183, 1848-1866.e26.	33.7	611
80	Genome-scale metabolic reconstruction of the non-model yeast <i>Issatchenkia orientalis</i> SD108 and its application to organic acids production. <i>Metabolic Engineering Communications</i> , 2020, 11, e00148.	3.9	33
81	A small molecule G6PD inhibitor reveals immune dependence on pentose phosphate pathway. <i>Nature Chemical Biology</i> , 2020, 16, 731-739.	11.8	170
82	A Dual-Mechanism Antibiotic Kills Gram-Negative Bacteria and Avoids Drug Resistance. <i>Cell</i> , 2020, 181, 1518-1532.e14.	33.7	320
83	A tps1 ^Δ persister-like state in <i>Saccharomyces cerevisiae</i> is regulated by MKT1. <i>PLoS ONE</i> , 2020, 15, e0233779.	2.3	9
84	The small intestine shields the liver from fructose-induced steatosis. <i>Nature Metabolism</i> , 2020, 2, 586-593.	17.1	135
85	Dietary fructose feeds hepatic lipogenesis via microbiota-derived acetate. <i>Nature</i> , 2020, 579, 586-591.	37.9	473
86	Serine Catabolism Feeds NADH when Respiration Is Impaired. <i>Cell Metabolism</i> , 2020, 31, 809-821.e6.	25.2	182
87	Lactate dehydrogenase inhibition synergizes with IL-21 to promote CD8 ⁺ T cell stemness and antitumor immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6047-6055.	7.5	202
88	Improved Annotation of Untargeted Metabolomics Data through Buffer Modifications That Shift Adduct Mass and Intensity. <i>Analytical Chemistry</i> , 2020, 92, 11573-11581.	6.5	24
89	SHMT inhibition is effective and synergizes with methotrexate in T-cell acute lymphoblastic leukemia. <i>Leukemia</i> , 2020, 35, 377-388.	7.7	114
90	Novel Pyrrolo[3,2- <i>d</i>]pyrimidine Compounds Target Mitochondrial and Cytosolic One-carbon Metabolism with Broad-spectrum Antitumor Efficacy. <i>Molecular Cancer Therapeutics</i> , 2019, 18, 1787-1799.	1.9	50

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91	Metabolite Exchange between Mammalian Organs Quantified in Pigs. <i>Cell Metabolism</i> , 2019, 30, 594-606.e3.	25.2	242
92	Peripheral TREM1 responses to brain and intestinal immunogens amplify stroke severity. <i>Nature Immunology</i> , 2019, 20, 1023-1034.	23.6	145
93	Natural human genetic variation determines basal and inducible expression of <i>PM20D1</i> , an obesity-associated gene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 23232-23242.	7.5	41
94	A comprehensive genome-scale model for <i>Rhodospiridium toruloides</i> IFO0880 accounting for functional genomics and phenotypic data. <i>Metabolic Engineering Communications</i> , 2019, 9, e00101.	3.9	74
95	PRDM16 Maintains Homeostasis of the Intestinal Epithelium by Controlling Region-Specific Metabolism. <i>Cell Stem Cell</i> , 2019, 25, 830-845.e8.	16.4	99
96	Near-equilibrium glycolysis supports metabolic homeostasis and energy yield. <i>Nature Chemical Biology</i> , 2019, 15, 1001-1008.	11.8	86
97	Distinct modes of mitochondrial metabolism uncouple T cell differentiation and function. <i>Nature</i> , 2019, 571, 403-407.	37.9	217
98	The Tumor Metabolic Microenvironment: Lessons from Lactate. <i>Cancer Research</i> , 2019, 79, 3155-3162.	3.8	214
99	A PRDM16-Driven Metabolic Signal from Adipocytes Regulates Precursor Cell Fate. <i>Cell Metabolism</i> , 2019, 30, 174-189.e5.	25.2	200
100	A Two-Enzyme Adaptive Unit within Bacterial Folate Metabolism. <i>Cell Reports</i> , 2019, 27, 3359-3370.e7.	6.3	42
101	NADPH production by the oxidative pentose-phosphate pathway supports folate metabolism. <i>Nature Metabolism</i> , 2019, 1, 404-415.	17.1	346
102	Minor Isozymes Tailor Yeast Metabolism to Carbon Availability. <i>MSystems</i> , 2019, 4, .	4.4	17
103	Serine Metabolism Supports Macrophage IL-1 β Production. <i>Cell Metabolism</i> , 2019, 29, 1003-1011.e4.	25.2	317
104	Peak Annotation and Verification Engine for Untargeted LC-MS Metabolomics. <i>Analytical Chemistry</i> , 2019, 91, 1838-1846.	6.5	110
105	Quantitative Analysis of the Whole-Body Metabolic Fate of Branched-Chain Amino Acids. <i>Cell Metabolism</i> , 2019, 29, 417-429.e4.	25.2	461
106	Quantitative Survey of NAD ⁺ Flux in Aged Mice. <i>FASEB Journal</i> , 2019, 33, .	0.6	0
107	Common and divergent features of galactose-1-phosphate and fructose-1-phosphate toxicity in yeast. <i>Molecular Biology of the Cell</i> , 2018, 29, 897-910.	2.5	18
108	The Small Intestine Converts Dietary Fructose into Glucose and Organic Acids. <i>Cell Metabolism</i> , 2018, 27, 351-361.e3.	25.2	569

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109	Perinatal high fat diet and early life methyl donor supplementation alter one carbon metabolism and <scp>DNA</scp> methylation in the brain. <i>Journal of Neurochemistry</i> , 2018, 145, 362-373.	3.8	31
110	Mitochondrial translation requires folate-dependent tRNA methylation. <i>Nature</i> , 2018, 554, 128-132.	37.9	263
111	As Extracellular Glutamine Levels Decline, Asparagine Becomes an Essential Amino Acid. <i>Cell Metabolism</i> , 2018, 27, 428-438.e5.	25.2	309
112	Metabolomics and Isotope Tracing. <i>Cell</i> , 2018, 173, 822-837.	33.7	747
113	Quantitative Analysis of NAD Synthesis-Breakdown Fluxes. <i>Cell Metabolism</i> , 2018, 27, 1067-1080.e5.	25.2	503
114	Targeting hepatic glutaminase activity to ameliorate hyperglycemia. <i>Nature Medicine</i> , 2018, 24, 518-524.	33.0	68
115	Extraction and Quantitation of Nicotinamide Adenine Dinucleotide Redox Cofactors. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 167-179.	6.3	183
116	Integrated omics approaches to characterize a nuclear receptor corepressor-associated histone deacetylase in mouse skeletal muscle. <i>Molecular and Cellular Endocrinology</i> , 2018, 471, 22-32.	3.4	14
117	Autophagy maintains tumour growth through circulating arginine. <i>Nature</i> , 2018, 563, 569-573.	37.9	341
118	Defective respiration and one-carbon metabolism contribute to impaired na ⁺ ve T cell activation in aged mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 13347-13352.	7.5	134
119	Discovery and Functional Characterization of a Yeast Sugar Alcohol Phosphatase. <i>ACS Chemical Biology</i> , 2018, 13, 3011-3020.	3.7	15
120	Late-gestation maternal dietary methyl donor and cofactor supplementation in sheep partially reverses protection against allergic sensitization by IUGR. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 314, R22-R33.	2.4	4
121	5,10-methenyltetrahydrofolate synthetase deficiency causes a neurometabolic disorder associated with microcephaly, epilepsy, and cerebral hypomyelination. <i>Molecular Genetics and Metabolism</i> , 2018, 125, 118-126.	1.3	24
122	Four Key Steps Control Glycolytic Flux in Mammalian Cells. <i>Cell Systems</i> , 2018, 7, 49-62.e8.	5.8	347
123	<i>Escherichia coli</i> translation strategies differ across carbon, nitrogen and phosphorus limitation conditions. <i>Nature Microbiology</i> , 2018, 3, 939-947.	16.0	154
124	Diet-Induced Circadian Enhancer Remodeling Synchronizes Opposing Hepatic Lipid Metabolic Processes. <i>Cell</i> , 2018, 174, 831-842.e12.	33.7	200
125	Macrophage de novo NAD ⁺ synthesis specifies immune function in aging and inflammation. <i>Nature Immunology</i> , 2018, 20, 50-63.	23.6	441
126	Ketohexokinase C blockade ameliorates fructose-induced metabolic dysfunction in fructose-sensitive mice. <i>Journal of Clinical Investigation</i> , 2018, 128, 2226-2238.	10.6	113

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127	Metabolite Spectral Accuracy on Orbitraps. <i>Analytical Chemistry</i> , 2017, 89, 5940-5948.	6.5	280
128	Treatment of Pancreatic Cancer Patientâ€™s Derived Xenograft Panel with Metabolic Inhibitors Reveals Efficacy of Phenformin. <i>Clinical Cancer Research</i> , 2017, 23, 5639-5647.	6.8	87
129	Human SHMT inhibitors reveal defective glycine import as a targetable metabolic vulnerability of diffuse large B-cell lymphoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 11404-11409.	7.5	237
130	Fine Mapping and Functional Analysis Reveal a Role of SLC22A1 in Acylcarnitine Transport. <i>American Journal of Human Genetics</i> , 2017, 101, 489-502.	6.5	62
131	Glucose feeds the TCA cycle via circulating lactate. <i>Nature</i> , 2017, 551, 115-118.	37.9	1,532
132	An LC-MS chemical derivatization method for the measurement of five different one-carbon states of cellular tetrahydrofolate. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 5955-5964.	3.4	50
133	Chemical Basis for Deuterium Labeling of Fat and NADPH. <i>Journal of the American Chemical Society</i> , 2017, 139, 14368-14371.	15.0	94
134	Enhancing CD8+ T Cell Fatty Acid Catabolism within a Metabolically Challenging Tumor Microenvironment Increases the Efficacy of Melanoma Immunotherapy. <i>Cancer Cell</i> , 2017, 32, 377-391.e9.	33.0	580
135	mTOR Inhibition Restores Amino Acid Balance in Cells Dependent on Catabolism of Extracellular Protein. <i>Molecular Cell</i> , 2017, 67, 936-946.e5.	13.3	97
136	A Unified Approach to Targeting the Lysosome's Degradative and Growth Signaling Roles. <i>Cancer Discovery</i> , 2017, 7, 1266-1283.	25.1	197
137	PDK4 Inhibits Cardiac Pyruvate Oxidation in Late Pregnancy. <i>Circulation Research</i> , 2017, 121, 1370-1378.	13.2	46
138	Overlap among Spatial Memories Triggers Repulsion of Hippocampal Representations. <i>Current Biology</i> , 2017, 27, 2307-2317.e5.	3.6	174
139	Dynamic Control of dNTP Synthesis in Early Embryos. <i>Developmental Cell</i> , 2017, 42, 301-308.e3.	7.7	40
140	Bisphosphoglycerate mutase controls serine pathway flux via 3-phosphoglycerate. <i>Nature Chemical Biology</i> , 2017, 13, 1081-1087.	11.8	71
141	Post-transcriptional Regulation of De Novo Lipogenesis by mTORC1-S6K1-SRPK2 Signaling. <i>Cell</i> , 2017, 171, 1545-1558.e18.	33.7	194
142	Metabolite Measurement: Pitfalls to Avoid and Practices to Follow. <i>Annual Review of Biochemistry</i> , 2017, 86, 277-304.	17.4	421
143	One-Carbon Metabolism in Health and Disease. <i>Cell Metabolism</i> , 2017, 25, 27-42.	25.2	1,850
144	A systematic genetic screen for genes involved in sensing inorganic phosphate availability in <i>Saccharomyces cerevisiae</i> . <i>PLoS ONE</i> , 2017, 12, e0176085.	2.3	34

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145	Mitochondrial Biogenesis and Proteome Remodeling Promote One-Carbon Metabolism for T Cell Activation. <i>Cell Metabolism</i> , 2016, 24, 104-117.	25.2	391
146	Direct Hepatocyte Insulin Signaling Is Required for Lipogenesis but Is Dispensable for the Suppression of Glucose Production. <i>Cell Metabolism</i> , 2016, 23, 1154-1166.	25.2	250
147	Reversal of Cytosolic One-Carbon Flux Compensates for Loss of the Mitochondrial Folate Pathway. <i>Cell Metabolism</i> , 2016, 23, 1140-1153.	25.2	373
148	Metabolite concentrations, fluxes and free energies imply efficient enzyme usage. <i>Nature Chemical Biology</i> , 2016, 12, 482-489.	11.8	442
149	Loss of NAD Homeostasis Leads to Progressive and Reversible Degeneration of Skeletal Muscle. <i>Cell Metabolism</i> , 2016, 24, 269-282.	25.2	346
150	mTORC2 Responds to Glutamine Catabolite Levels to Modulate the Hexosamine Biosynthesis Enzyme GFAT1. <i>Molecular Cell</i> , 2016, 63, 811-826.	13.3	119
151	Autophagy provides metabolic substrates to maintain energy charge and nucleotide pools in Ras-driven lung cancer cells. <i>Genes and Development</i> , 2016, 30, 1704-1717.	4.6	346
152	Glucose becomes one of the worst carbon sources for E.coli on poor nitrogen sources due to suboptimal levels of cAMP. <i>Scientific Reports</i> , 2016, 6, .	3.4	134
153	Physiological Suppression of Lipotoxic Liver Damage by Complementary Actions of HDAC3 and ASCAP/SREBP. <i>Cell Metabolism</i> , 2016, 24, 863-874.	25.2	73
154	Systems-level analysis of mechanisms regulating yeast metabolic flux. <i>Science</i> , 2016, 354, .	36.2	291
155	Lactate Dehydrogenase C Produces S-2-Hydroxyglutarate in Mouse Testis. <i>ACS Chemical Biology</i> , 2016, 11, 2420-2427.	3.7	41
156	Metabolic control of methylation and acetylation. <i>Current Opinion in Chemical Biology</i> , 2016, 30, 52-60.	5.8	280
157	Malic enzyme tracers reveal hypoxia-induced switch in adipocyte NADPH pathway usage. <i>Nature Chemical Biology</i> , 2016, 12, 345-352.	11.8	130
158	Mitochondria and Cancer. <i>Molecular Cell</i> , 2016, 61, 667-676.	13.3	1,101
159	A branched-chain amino acid metabolite drives vascular fatty acid transport and causes insulin resistance. <i>Nature Medicine</i> , 2016, 22, 421-426.	33.0	534
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