

Clary B Clish

List of Publications by Year in descending order

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Version: 2024-02-01

399
papers

59,634
citations

1612

108
h-index

1410

227
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443
all docs

443
docs citations

443
times ranked

83287
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of Ferroptotic Cancer Cell Death by GPX4. <i>Cell</i> , 2014, 156, 317-331.	13.5	4,187
2	Succinate is an inflammatory signal that induces IL-1 β through HIF-1 α . <i>Nature</i> , 2013, 496, 238-242.	13.7	2,845
3	Metabolite profiles and the risk of developing diabetes. <i>Nature Medicine</i> , 2011, 17, 448-453.	15.2	2,586
4	Multi-omics of the gut microbial ecosystem in inflammatory bowel diseases. <i>Nature</i> , 2019, 569, 655-662.	13.7	1,638
5	Activation of a Metabolic Gene Regulatory Network Downstream of mTOR Complex 1. <i>Molecular Cell</i> , 2010, 39, 171-183.	4.5	1,598
6	Lipid mediator class switching during acute inflammation: signals in resolution. <i>Nature Immunology</i> , 2001, 2, 612-619.	7.0	1,229
7	Metabolite Profiling Identifies a Key Role for Glycine in Rapid Cancer Cell Proliferation. <i>Science</i> , 2012, 336, 1040-1044.	6.0	1,201
8	Gut microbiome structure and metabolic activity in inflammatory bowel disease. <i>Nature Microbiology</i> , 2019, 4, 293-305.	5.9	1,094
9	Sequencing of 53,831 diverse genomes from the NHLBI TOPMed Program. <i>Nature</i> , 2021, 590, 290-299.	13.7	1,069
10	Novel Functional Sets of Lipid-Derived Mediators with Antiinflammatory Actions Generated from Omega-3 Fatty Acids via Cyclooxygenase 2 "Nonsteroidal Antiinflammatory Drugs and Transcellular Processing. <i>Journal of Experimental Medicine</i> , 2000, 192, 1197-1204.	4.2	1,048
11	The Dynamics of the Human Infant Gut Microbiome in Development and in Progression toward Type 1 Diabetes. <i>Cell Host and Microbe</i> , 2015, 17, 260-273.	5.1	1,008
12	Type I interferons and microbial metabolites of tryptophan modulate astrocyte activity and central nervous system inflammation via the aryl hydrocarbon receptor. <i>Nature Medicine</i> , 2016, 22, 586-597.	15.2	987
13	Pyruvate Kinase M2 Regulates Hif-1 α Activity and IL-1 β Induction and Is a Critical Determinant of the Warburg Effect in LPS-Activated Macrophages. <i>Cell Metabolism</i> , 2015, 21, 65-80.	7.2	887
14	The Histone Deacetylase Sirt6 Regulates Glucose Homeostasis via Hif1 α . <i>Cell</i> , 2010, 140, 280-293.	13.5	880
15	SIRT3 Opposes Reprogramming of Cancer Cell Metabolism through HIF1 α Destabilization. <i>Cancer Cell</i> , 2011, 19, 416-428.	7.7	690
16	Metabolomics in Prediabetes and Diabetes: A Systematic Review and Meta-analysis. <i>Diabetes Care</i> , 2016, 39, 833-846.	4.3	642
17	Correlating chemical sensitivity and basal gene expression reveals mechanism of action. <i>Nature Chemical Biology</i> , 2016, 12, 109-116.	3.9	636
18	Environment Impacts the Metabolic Dependencies of Ras-Driven Non-Small Cell Lung Cancer. <i>Cell Metabolism</i> , 2016, 23, 517-528.	7.2	616

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19	PGC1 α Expression Defines a Subset of Human Melanoma Tumors with Increased Mitochondrial Capacity and Resistance to Oxidative Stress. <i>Cancer Cell</i> , 2013, 23, 287-301.	7.7	600
20	Metabolic determinants of cancer cell sensitivity to glucose limitation and biguanides. <i>Nature</i> , 2014, 508, 108-112.	13.7	585
21	Glutaminolysis and Fumarate Accumulation Integrate Immunometabolic and Epigenetic Programs in Trained Immunity. <i>Cell Metabolism</i> , 2016, 24, 807-819.	7.2	584
22	Lipid profiling identifies a triacylglycerol signature of insulin resistance and improves diabetes prediction in humans. <i>Journal of Clinical Investigation</i> , 2011, 121, 1402-1411.	3.9	537
23	Metabolite Profiling Identifies Pathways Associated With Metabolic Risk in Humans. <i>Circulation</i> , 2012, 125, 2222-2231.	1.6	514
24	A roadmap for interpreting ¹³ C metabolite labeling patterns from cells. <i>Current Opinion in Biotechnology</i> , 2015, 34, 189-201.	3.3	513
25	Elevation of circulating branched-chain amino acids is an early event in human pancreatic adenocarcinoma development. <i>Nature Medicine</i> , 2014, 20, 1193-1198.	15.2	510
26	A GPX4-dependent cancer cell state underlies the clear-cell morphology and confers sensitivity to ferroptosis. <i>Nature Communications</i> , 2019, 10, 1617.	5.8	499
27	β -Aminoisobutyric Acid Induces Browning of White Fat and Hepatic β -Oxidation and Is Inversely Correlated with Cardiometabolic Risk Factors. <i>Cell Metabolism</i> , 2014, 19, 96-108.	7.2	489
28	Meta-omics analysis of elite athletes identifies a performance-enhancing microbe that functions via lactate metabolism. <i>Nature Medicine</i> , 2019, 25, 1104-1109.	15.2	477
29	PKM2 Isoform-Specific Deletion Reveals a Differential Requirement for Pyruvate Kinase in Tumor Cells. <i>Cell</i> , 2013, 155, 397-409.	13.5	429
30	Plasticity of ether lipids promotes ferroptosis susceptibility and evasion. <i>Nature</i> , 2020, 585, 603-608.	13.7	420
31	Targeted Metabolomics. <i>Current Protocols in Molecular Biology</i> , 2012, 98, Unit 30.2.1-24.	2.9	402
32	Blood-Brain Barrier Permeability Is Regulated by Lipid Transport-Dependent Suppression of Caveolae-Mediated Transcytosis. <i>Neuron</i> , 2017, 94, 581-594.e5.	3.8	401
33	2-Amino adipic acid is a biomarker for diabetes risk. <i>Journal of Clinical Investigation</i> , 2013, 123, 4309-4317.	3.9	397
34	MTAP deletion confers enhanced dependency on the PRMT5 arginine methyltransferase in cancer cells. <i>Science</i> , 2016, 351, 1214-1218.	6.0	396
35	Cytochrome P450 oxidoreductase contributes to phospholipid peroxidation in ferroptosis. <i>Nature Chemical Biology</i> , 2020, 16, 302-309.	3.9	396
36	PGC1 α drives NAD biosynthesis linking oxidative metabolism to renal protection. <i>Nature</i> , 2016, 531, 528-532.	13.7	395

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37	SIRT4 Has Tumor-Suppressive Activity and Regulates the Cellular Metabolic Response to DNA Damage by Inhibiting Mitochondrial Glutamine Metabolism. <i>Cancer Cell</i> , 2013, 23, 450-463.	7.7	389
38	Accumulation of succinate controls activation of adipose tissue thermogenesis. <i>Nature</i> , 2018, 560, 102-106.	13.7	380
39	Inherited causes of clonal haematopoiesis in 97,691 whole genomes. <i>Nature</i> , 2020, 586, 763-768.	13.7	376
40	Metabolic control of type 1 regulatory T cell differentiation by AHR and HIF1- α . <i>Nature Medicine</i> , 2015, 21, 638-646.	15.2	374
41	Metabolomics: an emerging but powerful tool for precision medicine. <i>Journal of Physical Education and Sports Management</i> , 2015, 1, a000588.	0.5	373
42	Reduced Inflammation and Tissue Damage in Transgenic Rabbits Overexpressing 15-Lipoxygenase and Endogenous Anti-inflammatory Lipid Mediators. <i>Journal of Immunology</i> , 2003, 171, 6856-6865.	0.4	364
43	Inhibition of Dihydroorotate Dehydrogenase Overcomes Differentiation Blockade in Acute Myeloid Leukemia. <i>Cell</i> , 2016, 167, 171-186.e15.	13.5	353
44	The landscape of cancer cell line metabolism. <i>Nature Medicine</i> , 2019, 25, 850-860.	15.2	350
45	Mitochondrial ROS regulate thermogenic energy expenditure and sulfenylation of UCP1. <i>Nature</i> , 2016, 532, 112-116.	13.7	341
46	A Synthetic Antagonist for the Peroxisome Proliferator-activated Receptor β Inhibits Adipocyte Differentiation. <i>Journal of Biological Chemistry</i> , 2000, 275, 1873-1877.	1.6	337
47	Metabolic Signatures of Exercise in Human Plasma. <i>Science Translational Medicine</i> , 2010, 2, 33ra37.	5.8	337
48	Mitochondrial dysfunction remodels one-carbon metabolism in human cells. <i>ELife</i> , 2016, 5, .	2.8	332
49	Global chemical effects of the microbiome include new bile-acid conjugations. <i>Nature</i> , 2020, 579, 123-129.	13.7	316
50	CD5L/AIM Regulates Lipid Biosynthesis and Restrains Th17 Cell Pathogenicity. <i>Cell</i> , 2015, 163, 1413-1427.	13.5	313
51	Metabolic recycling of ammonia via glutamate dehydrogenase supports breast cancer biomass. <i>Science</i> , 2017, 358, 941-946.	6.0	303
52	Flavin-containing monooxygenase 3 as a potential player in diabetes-associated atherosclerosis. <i>Nature Communications</i> , 2015, 6, 6498.	5.8	291
53	Nutrient-sensitized screening for drugs that shift energy metabolism from mitochondrial respiration to glycolysis. <i>Nature Biotechnology</i> , 2010, 28, 249-255.	9.4	290
54	Cell-State-Specific Metabolic Dependency in Hematopoiesis and Leukemogenesis. <i>Cell</i> , 2014, 158, 1309-1323.	13.5	289

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55	A Genome-wide Association Study of the Human Metabolome in a Community-Based Cohort. <i>Cell Metabolism</i> , 2013, 18, 130-143.	7.2	274
56	Bacteroides-Derived Sphingolipids Are Critical for Maintaining Intestinal Homeostasis and Symbiosis. <i>Cell Host and Microbe</i> , 2019, 25, 668-680.e7.	5.1	274
57	Hypoxia-Mediated Increases in l -2-hydroxyglutarate Coordinate the Metabolic Response to Reductive Stress. <i>Cell Metabolism</i> , 2015, 22, 291-303.	7.2	270
58	A library of human gut bacterial isolates paired with longitudinal multiomics data enables mechanistic microbiome research. <i>Nature Medicine</i> , 2019, 25, 1442-1452.	15.2	255
59	De novo NAD ⁺ biosynthetic impairment in acute kidney injury in humans. <i>Nature Medicine</i> , 2018, 24, 1351-1359.	15.2	250
60	The Deacetylase Sirt6 Activates the Acetyltransferase GCN5 and Suppresses Hepatic Gluconeogenesis. <i>Molecular Cell</i> , 2012, 48, 900-913.	4.5	246
61	Cycling cancer persister cells arise from lineages with distinct programs. <i>Nature</i> , 2021, 596, 576-582.	13.7	236
62	A Combined Epidemiologic and Metabolomic Approach Improves CKD Prediction. <i>Journal of the American Society of Nephrology: JASN</i> , 2013, 24, 1330-1338.	3.0	233
63	Plasma Ceramides, Mediterranean Diet, and Incident Cardiovascular Disease in the PREDIMED Trial (Prevención con Dieta Mediterránea). <i>Circulation</i> , 2017, 135, 2028-2040.	1.6	227
64	A diabetes-predictive amino acid score and future cardiovascular disease. <i>European Heart Journal</i> , 2013, 34, 1982-1989.	1.0	223
65	Local and systemic delivery of a stable aspirin-triggered lipoxin prevents neutrophil recruitment in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 8247-8252.	3.3	221
66	A metastasis map of human cancer cell lines. <i>Nature</i> , 2020, 588, 331-336.	13.7	214
67	Human gut bacteria produce β -17-modulating bile acid metabolites. <i>Nature</i> , 2022, 603, 907-912.	13.7	210
68	Programming human pluripotent stem cells into white and brown adipocytes. <i>Nature Cell Biology</i> , 2012, 14, 209-219.	4.6	209
69	MCT1-mediated transport of a toxic molecule is an effective strategy for targeting glycolytic tumors. <i>Nature Genetics</i> , 2013, 45, 104-108.	9.4	204
70	Plasma Branched-Chain Amino Acids and Incident Cardiovascular Disease in the PREDIMED Trial. <i>Clinical Chemistry</i> , 2016, 62, 582-592.	1.5	203
71	Metabolic modeling of single Th17 cells reveals regulators of autoimmunity. <i>Cell</i> , 2021, 184, 4168-4185.e21.	13.5	203
72	Neutrophil-mediated changes in vascular permeability are inhibited by topical application of aspirin-triggered 15-epi-lipoxin A4 and novel lipoxin B4 stable analogues.. <i>Journal of Clinical Investigation</i> , 1998, 101, 819-826.	3.9	202

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73	Leukotriene B4 receptor transgenic mice reveal novel protective roles for lipoxins and aspirin-triggered lipoxins in reperfusion. <i>Journal of Clinical Investigation</i> , 1999, 104, 309-316.	3.9	197
74	A Hypoxia-Induced Positive Feedback Loop Promotes Hypoxia-Inducible Factor 1 α Stability through miR-210 Suppression of Glycerol-3-Phosphate Dehydrogenase 1-Like. <i>Molecular and Cellular Biology</i> , 2011, 31, 2696-2706.	1.1	195
75	Lipoxin A4 Analogues Inhibit Leukocyte Recruitment to <i>Porphyromonas gingivalis</i> : A Role for Cyclooxygenase-2 and Lipoxins in Periodontal Disease. <i>Biochemistry</i> , 2000, 39, 4761-4768.	1.2	191
76	Reproducibility of Metabolomic Profiles among Men and Women in 2 Large Cohort Studies. <i>Clinical Chemistry</i> , 2013, 59, 1657-1667.	1.5	189
77	Retinal lipid and glucose metabolism dictates angiogenesis through the lipid sensor Ffar1. <i>Nature Medicine</i> , 2016, 22, 439-445.	15.2	183
78	Involvement of a gut-retina axis in protection against dietary glycemia-induced age-related macular degeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E4472-E4481.	3.3	179
79	Metabolic Predictors of Incident Coronary Heart Disease in Women. <i>Circulation</i> , 2018, 137, 841-853.	1.6	177
80	Predictive metabolomic profiling of microbial communities using amplicon or metagenomic sequences. <i>Nature Communications</i> , 2019, 10, 3136.	5.8	176
81	Metabolite Profiling Identifies Markers of Uremia. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 1041-2051.	3.0	175
82	Lipidomic Analysis of α -Synuclein Neurotoxicity Identifies Stearoyl CoA Desaturase as a Target for Parkinson Treatment. <i>Molecular Cell</i> , 2019, 73, 1001-1014.e8.	4.5	173
83	mTOR Complex 1 Plays Critical Roles in Hematopoiesis and Pten-Loss-Evoked Leukemogenesis. <i>Cell Stem Cell</i> , 2012, 11, 429-439.	5.2	172
84	Aspirin-tolerant asthmatics generate more lipoxins than aspirin-intolerant asthmatics. <i>European Respiratory Journal</i> , 2000, 16, 44-49.	3.1	171
85	A role for bacterial urease in gut dysbiosis and Crohn's disease. <i>Science Translational Medicine</i> , 2017, 9, .	5.8	171
86	Oxidoreductases in Lipoxin A4 Metabolic Inactivation. <i>Journal of Biological Chemistry</i> , 2000, 275, 25372-25380.	1.6	165
87	Gut microbiota modulate neurobehavior through changes in brain insulin sensitivity and metabolism. <i>Molecular Psychiatry</i> , 2018, 23, 2287-2301.	4.1	161
88	Diet, Genetics, and the Gut Microbiome Drive Dynamic Changes in Plasma Metabolites. <i>Cell Reports</i> , 2018, 22, 3072-3086.	2.9	159
89	Cell Surface Proteomic Map of HIV Infection Reveals Antagonism of Amino Acid Metabolism by Vpu and Nef. <i>Cell Host and Microbe</i> , 2015, 18, 409-423.	5.1	158
90	Assessing the contribution of rare variants to complex trait heritability from whole-genome sequence data. <i>Nature Genetics</i> , 2022, 54, 263-273.	9.4	156

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91	Protective Effects of the Mediterranean Diet on Type 2 Diabetes and Metabolic Syndrome. <i>Journal of Nutrition</i> , 2016, 146, 920S-927S.	1.3	155
92	Metabolomic Profiles of Body Mass Index in the Framingham Heart Study Reveal Distinct Cardiometabolic Phenotypes. <i>PLoS ONE</i> , 2016, 11, e0148361.	1.1	155
93	Recurrent <i>Clostridium difficile</i> infection associates with distinct bile acid and microbiome profiles. <i>Alimentary Pharmacology and Therapeutics</i> , 2016, 43, 1142-1153.	1.9	151
94	Molecular Transducers of Physical Activity Consortium (MoTrPAC): Mapping the Dynamic Responses to Exercise. <i>Cell</i> , 2020, 181, 1464-1474.	13.5	147
95	Fatty acid synthesis is required for breast cancer brain metastasis. <i>Nature Cancer</i> , 2021, 2, 414-428.	5.7	147
96	Dynamic incorporation of multiple in silico functional annotations empowers rare variant association analysis of large whole-genome sequencing studies at scale. <i>Nature Genetics</i> , 2020, 52, 969-983.	9.4	146
97	Revealing disease-associated pathways by network integration of untargeted metabolomics. <i>Nature Methods</i> , 2016, 13, 770-776.	9.0	145
98	Homeostatic control of metabolic and functional fitness of Treg cells by LKB1 signalling. <i>Nature</i> , 2017, 548, 602-606.	13.7	143
99	Metabolomic adaptations and correlates of survival to immune checkpoint blockade. <i>Nature Communications</i> , 2019, 10, 4346.	5.8	139
100	Plasma Lipidomic Profiling and Risk of Type 2 Diabetes in the PREDIMED Trial. <i>Diabetes Care</i> , 2018, 41, 2617-2624.	4.3	138
101	The Mediterranean diet, plasma metabolome, and cardiovascular disease risk. <i>European Heart Journal</i> , 2020, 41, 2645-2656.	1.0	138
102	Role of dietary fiber in the recovery of the human gut microbiome and its metabolome. <i>Cell Host and Microbe</i> , 2021, 29, 394-407.e5.	5.1	137
103	Titration of mitochondrial fusion rescues <i>Mff</i> -deficient cardiomyopathy. <i>Journal of Cell Biology</i> , 2015, 211, 795-805.	2.3	131
104	Deposition of Monomeric, Not Oligomeric, A β Mediates Growth of Alzheimer's Disease Amyloid Plaques in Human Brain Preparations. <i>Biochemistry</i> , 1999, 38, 10424-10431.	1.2	130
105	Antibiotic effects on gut microbiota and metabolism are host dependent. <i>Journal of Clinical Investigation</i> , 2016, 126, 4430-4443.	3.9	130
106	Metabolite Profiles During Oral Glucose Challenge. <i>Diabetes</i> , 2013, 62, 2689-2698.	0.3	127
107	A plasma signature of human mitochondrial disease revealed through metabolic profiling of spent media from cultured muscle cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 1571-1575.	3.3	126
108	Plasma acylcarnitines and risk of cardiovascular disease: effect of Mediterranean diet interventions. <i>American Journal of Clinical Nutrition</i> , 2016, 103, 1408-1416.	2.2	124

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109	Germline loss of PKM2 promotes metabolic distress and hepatocellular carcinoma. <i>Genes and Development</i> , 2016, 30, 1020-1033.	2.7	122
110	Type 2 Diabetes Variants Disrupt Function of SLC16A11 through Two Distinct Mechanisms. <i>Cell</i> , 2017, 170, 199-212.e20.	13.5	121
111	Distinct metabolomic signatures are associated with longevity in humans. <i>Nature Communications</i> , 2015, 6, 6791.	5.8	120
112	Metabolic Control of Astrocyte Pathogenic Activity via cPLA2-MAVS. <i>Cell</i> , 2019, 179, 1483-1498.e22.	13.5	120
113	Targeting MTHFD2 in acute myeloid leukemia. <i>Journal of Experimental Medicine</i> , 2016, 213, 1285-1306.	4.2	118
114	The contributions of aspirin and microbial oxygenase to the biosynthesis of anti-inflammatory resolvins: Novel oxygenase products from ω -3 polyunsaturated fatty acids. <i>Biochemical and Biophysical Research Communications</i> , 2005, 338, 149-157.	1.0	115
115	Dimethylguanidino valeric acid is a marker of liver fat and predicts diabetes. <i>Journal of Clinical Investigation</i> , 2017, 127, 4394-4402.	3.9	115
116	Altered exocrine function can drive adipose wasting in early pancreatic cancer. <i>Nature</i> , 2018, 558, 600-604.	13.7	114
117	A Metabolic Signature of Mitochondrial Dysfunction Revealed through a Monogenic Form of Leigh Syndrome. <i>Cell Reports</i> , 2015, 13, 981-989.	2.9	113
118	Identification and Application of Gene Expression Signatures Associated with Lifespan Extension. <i>Cell Metabolism</i> , 2019, 30, 573-593.e8.	7.2	113
119	Lipoxin A4 and Aspirin-Triggered 15-epi-Lipoxin A4 Inhibit Human Neutrophil Migration: Comparisons Between Synthetic 15 Epimers in Chemotaxis and Transmigration with Microvessel Endothelial Cells and Epithelial Cells. <i>Journal of Immunology</i> , 2003, 170, 2688-2694.	0.4	111
120	Letm1, the mitochondrial Ca ²⁺ /H ⁺ antiporter, is essential for normal glucose metabolism and alters brain function in Wolf-Hirschhorn syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2249-54.	3.3	110
121	Comprehensive Metabolomic Profiling and Incident Cardiovascular Disease: A Systematic Review. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	110
122	A Plasma Long-Chain Acylcarnitine Predicts Cardiovascular Mortality in Incident Dialysis Patients. <i>Journal of the American Heart Association</i> , 2013, 2, e000542.	1.6	109
123	Integrative Biological Analysis of the APOE*3-Leiden Transgenic Mouse. <i>OMICS A Journal of Integrative Biology</i> , 2004, 8, 3-13.	1.0	108
124	EGLN1 Inhibition and Rerouting of α -Ketoglutarate Suffice for Remote Ischemic Protection. <i>Cell</i> , 2016, 164, 884-895.	13.5	108
125	Hepatic NADH reductive stress underlies common variation in metabolic traits. <i>Nature</i> , 2020, 583, 122-126.	13.7	108
126	Metabolic consequences of mitochondrial coenzyme A deficiency in patients with PANK2 mutations. <i>Molecular Genetics and Metabolism</i> , 2012, 105, 463-471.	0.5	106

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127	Organization of the Mammalian Metabolome according to Organ Function, Lineage Specialization, and Longevity. <i>Cell Metabolism</i> , 2015, 22, 332-343.	7.2	104
128	Comparison of Proteomic Assessment Methods in Multiple Cohort Studies. <i>Proteomics</i> , 2020, 20, e1900278.	1.3	103
129	Metabolite Profiles of Diabetes Incidence and Intervention Response in the Diabetes Prevention Program. <i>Diabetes</i> , 2016, 65, 1424-1433.	0.3	101
130	Towards quality assurance and quality control in untargeted metabolomics studies. <i>Metabolomics</i> , 2019, 15, 4.	1.4	101
131	A Molecular Defect in Intracellular Lipid Signaling in Human Neutrophils in Localized Aggressive Periodontal Tissue Damage. <i>Journal of Immunology</i> , 2004, 172, 1856-1861.	0.4	98
132	Host and gut microbial tryptophan metabolism and type 2 diabetes: an integrative analysis of host genetics, diet, gut microbiome and circulating metabolites in cohort studies. <i>Gut</i> , 2022, 71, 1095-1105.	6.1	98
133	Plasma Metabolites From Choline Pathway and Risk of Cardiovascular Disease in the PREDIMED (Prevention With Mediterranean Diet) Study. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	95
134	Circulating markers of NADH-reductive stress correlate with mitochondrial disease severity. <i>Journal of Clinical Investigation</i> , 2021, 131, .	3.9	95
135	Skeletal muscle transcriptional coactivator PGC-1 β mediates mitochondrial, but not metabolic, changes during calorie restriction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2931-2936.	3.3	94
136	Effects of sodium benzoate, a widely used food preservative, on glucose homeostasis and metabolic profiles in humans. <i>Molecular Genetics and Metabolism</i> , 2015, 114, 73-79.	0.5	93
137	Lipoxin B ₄ regulates human monocyte/neutrophil adherence and motility: design of stable lipoxin B ₄ analogs with increased biologic activity. <i>FASEB Journal</i> , 1998, 12, 487-494.	0.2	92
138	Rictor/mTORC2 Loss in the Myf5 Lineage Reprograms Brown Fat Metabolism and Protects Mice against Obesity and Metabolic Disease. <i>Cell Reports</i> , 2014, 8, 256-271.	2.9	92
139	The circulating metabolome of human starvation. <i>JCI Insight</i> , 2018, 3, .	2.3	92
140	Starved epithelial cells uptake extracellular matrix for survival. <i>Nature Communications</i> , 2017, 8, 13989.	5.8	91
141	A haploid genetic screen identifies the major facilitator domain containing 2A (MFSD2A) transporter as a key mediator in the response to tunicamycin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 11756-11765.	3.3	90
142	Plasma branched chain/aromatic amino acids, enriched Mediterranean diet and risk of type 2 diabetes: case-cohort study within the PREDIMED Trial. <i>Diabetologia</i> , 2018, 61, 1560-1571.	2.9	89
143	Polyunsaturated Fatty Acid Desaturation Is a Mechanism for Glycolytic NAD ⁺ Recycling. <i>Cell Metabolism</i> , 2019, 29, 856-870.e7.	7.2	87
144	Metabolomic profiling in the prediction of gestational diabetes mellitus. <i>Diabetologia</i> , 2015, 58, 1329-1332.	2.9	86

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145	Neuronal Tsc1/2 complex controls autophagy through AMPK-dependent regulation of ULK1. <i>Human Molecular Genetics</i> , 2014, 23, 3865-3874.	1.4	85
146	Multi-omics reveal microbial determinants impacting responses to biologic therapies in inflammatory bowel disease. <i>Cell Host and Microbe</i> , 2021, 29, 1294-1304.e4.	5.1	85
147	Metabolomic profiles as reliable biomarkers of dietary composition. <i>American Journal of Clinical Nutrition</i> , 2017, 105, 547-554.	2.2	84
148	The cytoplasmic prolyl-tRNA synthetase of the malaria parasite is a dual-stage target of febrifugine and its analogs. <i>Science Translational Medicine</i> , 2015, 7, 288ra77.	5.8	82
149	Role of angiopoietin-like 3 (ANGPTL3) in regulating plasma level of low-density lipoprotein cholesterol. <i>Atherosclerosis</i> , 2018, 268, 196-206.	0.4	81
150	The Consortium of Metabolomics Studies (COMETS): Metabolomics in 47 Prospective Cohort Studies. <i>American Journal of Epidemiology</i> , 2019, 188, 991-1012.	1.6	81
151	Metabolic Profiling of Right Ventricular-Pulmonary Vascular Function Reveals Circulating Biomarkers of Pulmonary Hypertension. <i>Journal of the American College of Cardiology</i> , 2016, 67, 174-189.	1.2	79
152	Plasma lipidomic profiles and cardiovascular events in a randomized intervention trial with the Mediterranean diet. <i>American Journal of Clinical Nutrition</i> , 2017, 106, 973-983.	2.2	79
153	Cigarette Smoking and Pancreatic Cancer Survival. <i>Journal of Clinical Oncology</i> , 2017, 35, 1822-1828.	0.8	78
154	The metabolomics of asthma control: a promising link between genetics and disease. <i>Immunity, Inflammation and Disease</i> , 2015, 3, 224-238.	1.3	77
155	Cerebral tryptophan metabolism and outcome of tuberculous meningitis: an observational cohort study. <i>Lancet Infectious Diseases</i> , The, 2018, 18, 526-535.	4.6	77
156	Association of Tryptophan Metabolites with Incident Type 2 Diabetes in the PREDIMED Trial: A Case-â€Cohort Study. <i>Clinical Chemistry</i> , 2018, 64, 1211-1220.	1.5	76
157	Glycerol-3-phosphate is an FGF23 regulator derived from the injured kidney. <i>Journal of Clinical Investigation</i> , 2020, 130, 1513-1526.	3.9	75
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