

# Christopher B Newgard

## List of Publications by Year in descending order

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Version: 2024-02-01

194  
papers

29,132  
citations

10389

72  
h-index

5255

165  
g-index

202  
all docs

202  
docs citations

202  
times ranked

34301  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of Tirzepatide, a Dual GIP and GLP-1 RA, on Lipid and Metabolite Profiles in Subjects With Type 2 Diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2022, 107, 363-378.	3.6	49
2	lldr1 gene deletion protects against diet-induced obesity and hyperglycemia. <i>PLoS ONE</i> , 2022, 17, e0270329.	2.5	1
3	Altered branched-chain $\hat{\pm}$ -keto acid metabolism is a feature of NAFLD in individuals with severe obesity. <i>JCI Insight</i> , 2022, 7, .	5.0	16
4	Reductive TCA cycle metabolism fuels glutamine- and glucose-stimulated insulin secretion. <i>Cell Metabolism</i> , 2021, 33, 804-817.e5.	16.2	81
5	Mechanisms controlling pancreatic islet cell function in insulin secretion. <i>Nature Reviews Molecular Cell Biology</i> , 2021, 22, 142-158.	37.0	277
6	Efficacy of metformin and fermentable fiber combination therapy in adolescents with severe obesity and insulin resistance: study protocol for a double-blind randomized controlled trial. <i>Trials</i> , 2021, 22, 148.	1.6	4
7	Metabolites and diabetes remission after weight loss. <i>Nutrition and Diabetes</i> , 2021, 11, 10.	3.2	17
8	Muscle Kr $\hat{\pm}$ 4ppel-like factor 15 regulates lipid flux and systemic metabolic homeostasis. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	14
9	The Pediatric Obesity Microbiome and Metabolism Study (POMMS): Methods, Baseline Data, and Early Insights. <i>Obesity</i> , 2021, 29, 569-578.	3.0	19
10	Branched-chain $\hat{\pm}$ -ketoacids are preferentially reaminated and activate protein synthesis in the heart. <i>Nature Communications</i> , 2021, 12, 1680.	12.8	45
11	BCAA Supplementation in Mice with Diet-induced Obesity Alters the Metabolome Without Impairing Glucose Homeostasis. <i>Endocrinology</i> , 2021, 162, .	2.8	28
12	Mutant IDH and non-mutant chondrosarcomas display distinct cellular metabolomes. <i>Cancer &amp; Metabolism</i> , 2021, 9, 13.	5.0	11
13	Metabolomic profiling identifies complex lipid species and amino acid analogues associated with response to weight loss interventions. <i>PLoS ONE</i> , 2021, 16, e0240764.	2.5	9
14	Gut microbiome contributions to altered metabolism in a pig model of undernutrition. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	18
15	Insulin action, type 2 diabetes, and branched-chain amino acids: A two-way street. <i>Molecular Metabolism</i> , 2021, 52, 101261.	6.5	122
16	Association of high-sensitivity C-reactive protein and odds of breast cancer by molecular subtype: analysis of the MEND study. <i>Oncotarget</i> , 2021, 12, 1230-1242.	1.8	5
17	Maternal Metabolites Associated With Gestational Diabetes Mellitus and a Postpartum Disorder of Glucose Metabolism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, 3283-3294.	3.6	15
18	Association of Life-Course Educational Attainment and Breast Cancer Grade in the MEND Study. <i>Annals of Global Health</i> , 2021, 87, 59.	2.0	2

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19	Circulating long chain acylcarnitines and outcomes in diabetic heart failure: an HF-ACTION clinical trial substudy. <i>Cardiovascular Diabetology</i> , 2021, 20, 161.	6.8	8
20	Metabolic Syndrome and Risk of Breast Cancer by Molecular Subtype: analysis of the MEND study. <i>Clinical Breast Cancer</i> , 2021, , .	2.4	7
21	NADH inhibition of SIRT1 links energy state to transcription during time-restricted feeding. <i>Nature Metabolism</i> , 2021, 3, 1621-1632.	11.9	26
22	Dietary branched-chain amino acid restriction alters fuel selection and reduces triglyceride stores in hearts of Zucker fatty rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 318, E216-E223.	3.5	43
23	Muscle-Liver Trafficking of BCAA-Derived Nitrogen Underlies Obesity-Related Glycine Depletion. <i>Cell Reports</i> , 2020, 33, 108375.	6.4	49
24	Î²-Cell-specific ablation of sirtuin 4 does not affect nutrient-stimulated insulin secretion in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 319, E805-E813.	3.5	2
25	Metabolomic and genetic associations with insulin resistance in pregnancy. <i>Diabetologia</i> , 2020, 63, 1783-1795.	6.3	21
26	Identification of a small molecule that stimulates human Î²-cell proliferation and insulin secretion, and protects against cytotoxic stress in rat insulinoma cells. <i>PLoS ONE</i> , 2020, 15, e0224344.	2.5	18
27	A tribute to Roger H. Unger (1924â€“2020). <i>Journal of Clinical Investigation</i> , 2020, 130, 6191-6193.	8.2	1
28	Effects of microbiota-directed foods in gnotobiotic animals and undernourished children. <i>Science</i> , 2019, 365, .	12.6	305
29	Type-2-Diabetes Alters CSF but Not Plasma Metabolomic and AD Risk Profiles in Vervet Monkeys. <i>Frontiers in Neuroscience</i> , 2019, 13, 843.	2.8	17
30	Cord Blood Metabolomics: Association With Newborn Anthropometrics and C-Peptide Across Ancestries. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 4459-4472.	3.6	30
31	Dietary Sugars Alter Hepatic Fatty Acid Oxidation via Transcriptional and Post-translational Modifications of Mitochondrial Proteins. <i>Cell Metabolism</i> , 2019, 30, 735-753.e4.	16.2	136
32	Improving human Î²-cell maturation in vitro. <i>Nature Cell Biology</i> , 2019, 21, 119-121.	10.3	0
33	Near-roadway air pollution exposure and altered fatty acid oxidation among adolescents and young adults â€“ The interplay with obesity. <i>Environment International</i> , 2019, 130, 104935.	10.0	35
34	Disrupted Maturation of the Microbiota and Metabolome among Extremely Preterm Infants with Postnatal Growth Failure. <i>Scientific Reports</i> , 2019, 9, 8167.	3.3	64
35	Regulation of UCP1 and Mitochondrial Metabolism in Brown Adipose Tissue by Reversible Succinylation. <i>Molecular Cell</i> , 2019, 74, 844-857.e7.	9.7	123
36	Branched-chain amino acids in disease. <i>Science</i> , 2019, 363, 582-583.	12.6	191

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37	Peripheral blood metabolite profiles associated with new onset atrial fibrillation. <i>American Heart Journal</i> , 2019, 211, 54-59.	2.7	9
38	Creation of versatile cloning platforms for transgene expression and dCas9-based epigenome editing. <i>Nucleic Acids Research</i> , 2019, 47, e23-e23.	14.5	27
39	Maternal metabolites during pregnancy are associated with newborn outcomes and hyperinsulinaemia across ancestries. <i>Diabetologia</i> , 2019, 62, 473-484.	6.3	43
40	OR07-1 Cord Blood Metabolomics: Association with Newborn Anthropometrics and C-Peptide across Ancestries. <i>Journal of the Endocrine Society</i> , 2019, 3, .	0.2	0
41	Effect of Progressive Weight Loss on Lactate Metabolism: A Randomized Controlled Trial. <i>Obesity</i> , 2018, 26, 683-688.	3.0	19
42	Improvement in insulin resistance after gastric bypass surgery is correlated with a decline in plasma 2-hydroxybutyric acid. <i>Surgery for Obesity and Related Diseases</i> , 2018, 14, 1126-1132.	1.2	17
43	Metabolomic Signatures and Metabolic Complications in Childhood Obesity. <i>Contemporary Endocrinology</i> , 2018, , 343-361.	0.1	7
44	Cardiovascular Metabolomics. <i>Circulation Research</i> , 2018, 122, 1238-1258.	4.5	276
45	Temporal dynamics of liver mitochondrial protein acetylation and succinylation and metabolites due to high fat diet and/or excess glucose or fructose. <i>PLoS ONE</i> , 2018, 13, e0208973.	2.5	38
46	The BCKDH Kinase and Phosphatase Integrate BCAA and Lipid Metabolism via Regulation of ATP-Citrate Lyase. <i>Cell Metabolism</i> , 2018, 27, 1281-1293.e7.	16.2	222
47	Remodeling of the Acetylproteome by SIRT3 Manipulation Fails to Affect Insulin Secretion or $\hat{I}^2$ Cell Metabolism in the Absence of Overnutrition. <i>Cell Reports</i> , 2018, 24, 209-223.e6.	6.4	26
48	John Denis McGarry, PhD: A Remembrance of a Master Metabolic Physiologist. <i>Diabetes Care</i> , 2018, 41, 1330-1336.	8.6	0
49	Dietary Patterns among Asian Indians Living in the United States Have Distinct Metabolomic Profiles That Are Associated with Cardiometabolic Risk. <i>Journal of Nutrition</i> , 2018, 148, 1150-1159.	2.9	29
50	Kruppel-like factor 15 is required for the cardiac adaptive response to fasting. <i>PLoS ONE</i> , 2018, 13, e0192376.	2.5	10
51	Physiological mechanisms of sustained fumagillin-induced weight loss. <i>JCI Insight</i> , 2018, 3, .	5.0	8
52	Associations of maternal BMI and insulin resistance with the maternal metabolome and newborn outcomes. <i>Diabetologia</i> , 2017, 60, 518-530.	6.3	71
53	Mixture model normalization for non-targeted gas chromatography/mass spectrometry metabolomics data. <i>BMC Bioinformatics</i> , 2017, 18, 84.	2.6	37
54	Sildenafil Treatment in Heart Failure With Preserved Ejection Fraction. <i>JAMA Cardiology</i> , 2017, 2, 896.	6.1	31

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55	Evidence for Feedback Regulation Following Cholesterol Lowering Therapy in a Prostate Cancer Xenograft Model. <i>Prostate</i> , 2017, 77, 446-457.	2.3	20
56	Targeted Metabolomics Demonstrates Distinct and Overlapping Maternal Metabolites Associated With BMI, Glucose, and Insulin Sensitivity During Pregnancy Across Four Ancestry Groups. <i>Diabetes Care</i> , 2017, 40, 911-919.	8.6	38
57	Interrupted Glucagon Signaling Reveals Hepatic $\beta$ Cell Axis and Role for L-Glutamine in $\beta$ Cell Proliferation. <i>Cell Metabolism</i> , 2017, 25, 1362-1373.e5.	16.2	153
58	Kv2.1 Clustering Contributes to Insulin Exocytosis and Rescues Human $\beta$ -Cell Dysfunction. <i>Diabetes</i> , 2017, 66, 1890-1900.	0.6	34
59	Prior Dietary Practices and Connections to a Human Gut Microbial Metacommunity Alter Responses to Diet Interventions. <i>Cell Host and Microbe</i> , 2017, 21, 84-96.	11.0	129
60	Effects of the kinase inhibitor sorafenib on heart, muscle, liver and plasma metabolism <i>in vivo</i> using non-targeted metabolomics analysis. <i>British Journal of Pharmacology</i> , 2017, 174, 4797-4811.	5.4	24
61	Metabolomics applied to islet nutrient sensing mechanisms. <i>Diabetes, Obesity and Metabolism</i> , 2017, 19, 90-94.	4.4	12
62	The Prohormone VGF Regulates $\beta$ Cell Function via Insulin Secretory Granule Biogenesis. <i>Cell Reports</i> , 2017, 20, 2480-2489.	6.4	49
63	Plasma acylcarnitines are associated with pulmonary hypertension. <i>Pulmonary Circulation</i> , 2017, 7, 211-218.	1.7	21
64	Perinatal western-type diet and associated gestational weight gain alter postpartum maternal mood. <i>Brain and Behavior</i> , 2017, 7, e00828.	2.2	19
65	Maternal BMI and Glycemia Impact the Fetal Metabolome. <i>Diabetes Care</i> , 2017, 40, 902-910.	8.6	74
66	Metabolomics and Metabolic Diseases: Where Do We Stand?. <i>Cell Metabolism</i> , 2017, 25, 43-56.	16.2	539
67	Recommendations for Improving Identification and Quantification in Non-Targeted, GC-MS-Based Metabolomic Profiling of Human Plasma. <i>Metabolites</i> , 2017, 7, 45.	2.9	14
68	Divergent effects of glucose and fructose on hepatic lipogenesis and insulin signaling. <i>Journal of Clinical Investigation</i> , 2017, 127, 4059-4074.	8.2	233
69	Delayed apoptosis allows islet $\beta$ -cells to implement an autophagic mechanism to promote cell survival. <i>PLoS ONE</i> , 2017, 12, e0172567.	2.5	35
70	Hepatic mTORC1 Opposes Impaired Insulin Action to Control Mitochondrial Metabolism in Obesity. <i>Cell Reports</i> , 2016, 16, 508-519.	6.4	34
71	Plasma acylcarnitine profiling indicates increased fatty acid oxidation relative to tricarboxylic acid cycle capacity in young, healthy low birth weight men. <i>Physiological Reports</i> , 2016, 4, e12977.	1.7	39
72	Branched-chain amino acid restriction in Zucker-fatty rats improves muscle insulin sensitivity by enhancing efficiency of fatty acid oxidation and acyl-glycine export. <i>Molecular Metabolism</i> , 2016, 5, 538-551.	6.5	210

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73	Integrated Regulation of Hepatic Lipid and Glucose Metabolism by Adipose Triacylglycerol Lipase and FoxO Proteins. <i>Cell Reports</i> , 2016, 15, 349-359.	6.4	54
74	Catabolic Defect of Branched-Chain Amino Acids Promotes Heart Failure. <i>Circulation</i> , 2016, 133, 2038-2049.	1.6	390
75	Liver receptor homolog 1 is a critical determinant of methylglyoxal metabolism. <i>Hepatology</i> , 2016, 63, 95-106.	7.3	24
76	Metabolic Networks and Metabolites Underlie Associations Between Maternal Glucose During Pregnancy and Newborn Size at Birth. <i>Diabetes</i> , 2016, 65, 2039-2050.	0.6	49
77	Research Resource: Roles for Calcium/Calmodulin-Dependent Protein Kinase Kinase 2 (CaMKK2) in Systems Metabolism. <i>Molecular Endocrinology</i> , 2016, 30, 557-572.	3.7	29
78	Multi-omic profiles of hepatic metabolism in TPN-fed preterm pigs administered new generation lipid emulsions. <i>Journal of Lipid Research</i> , 2016, 57, 1696-1711.	4.2	15
79	Cardiomyocyte-Specific Human Bcl2-Associated Anthanogene 3 P209L Expression Induces Mitochondrial Fragmentation, Bcl2-Associated Anthanogene 3 Haploinsufficiency, and Activates p38 Signaling. <i>American Journal of Pathology</i> , 2016, 186, 1989-2007.	3.8	36
80	Enhanced GLUT4-Dependent Glucose Transport Relieves Nutrient Stress in Obese Mice Through Changes in Lipid and Amino Acid Metabolism. <i>Diabetes</i> , 2016, 65, 3585-3597.	0.6	24
81	Metabolomic Profiling Identifies Novel Circulating Biomarkers of Mitochondrial Dysfunction Differentially Elevated in Heart Failure With Preserved Versus Reduced Ejection Fraction: Evidence for Shared Metabolic Impairments in Clinical Heart Failure. <i>Journal of the American Heart Association</i> , 2016, 5, .	3.7	178
82	Effects of a gut pathobiont in a gnotobiotic mouse model of childhood undernutrition. <i>Science Translational Medicine</i> , 2016, 8, 366ra164.	12.4	54
83	HIV-1 Envelope Mimicry of Host Enzyme Kynureninase Does Not Disrupt Tryptophan Metabolism. <i>Journal of Immunology</i> , 2016, 197, 4663-4673.	0.8	6
84	A Pdx-1-Regulated Soluble Factor Activates Rat and Human Islet Cell Proliferation. <i>Molecular and Cellular Biology</i> , 2016, 36, 2918-2930.	2.3	19
85	Human amylin proteotoxicity impairs protein biosynthesis, and alters major cellular signaling pathways in the heart, brain and liver of humanized diabetic rat model in vivo. <i>Metabolomics</i> , 2016, 12, 1.	3.0	16
86	Association of Plasma Small-Molecule Intermediate Metabolites With Age and Body Mass Index Across Six Diverse Study Populations. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 1507-1513.	3.6	22
87	Gut bacteria that prevent growth impairments transmitted by microbiota from malnourished children. <i>Science</i> , 2016, 351, .	12.6	580
88	Sialylated Milk Oligosaccharides Promote Microbiota-Dependent Growth in Models of Infant Undernutrition. <i>Cell</i> , 2016, 164, 859-871.	28.9	497
89	The Gut Microbiota Modulates Energy Metabolism in the Hibernating Brown Bear <i>Ursus arctos</i> . <i>Cell Reports</i> , 2016, 14, 1655-1661.	6.4	290
90	Metabolomics applied to the pancreatic islet. <i>Archives of Biochemistry and Biophysics</i> , 2016, 589, 120-130.	3.0	35

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91	MuRF2 regulates PPAR $\beta$ activity to protect against diabetic cardiomyopathy and enhance weight gain induced by a high fat diet. <i>Cardiovascular Diabetology</i> , 2015, 14, 97.	6.8	40
92	Left-Biased Spermatogenic Failure in 129/Svj Dnd1Ter/+ Mice Correlates with Differences in Vascular Architecture, Oxygen Availability, and Metabolites1. <i>Biology of Reproduction</i> , 2015, 93, 78.	2.7	8
93	Cardiomyocyte glucagon receptor signaling modulates outcomes in mice with experimental myocardial infarction. <i>Molecular Metabolism</i> , 2015, 4, 132-143.	6.5	54
94	Coordinated regulatory variation associated with gestational hyperglycaemia regulates expression of the novel hexokinase HKDC1. <i>Nature Communications</i> , 2015, 6, 6069.	12.8	83
95	Non-targeted metabolomics analysis of cardiac Muscle Ring Finger-1 (MuRF1), MuRF2, and MuRF3 in vivo reveals novel and redundant metabolic changes. <i>Metabolomics</i> , 2015, 11, 312-322.	3.0	19
96	HIF-1 Alpha Regulates the Response of Primary Sarcomas to Radiation Therapy through a Cell Autonomous Mechanism. <i>Radiation Research</i> , 2015, 183, 594.	1.5	41
97	Integrated Metabolomics and Genomics. <i>Circulation: Cardiovascular Genetics</i> , 2015, 8, 410-419.	5.1	65
98	Non-targeted metabolomics of Brg1/Brm double-mutant cardiomyocytes reveals a novel role for SWI/SNF complexes in metabolic homeostasis. <i>Metabolomics</i> , 2015, 11, 1287-1301.	3.0	29
99	Adenylosuccinate Is an Insulin Secretagogue Derived from Glucose-Induced Purine Metabolism. <i>Cell Reports</i> , 2015, 13, 157-167.	6.4	72
100	Muscle ring finger-3 protects against diabetic cardiomyopathy induced by a high fat diet. <i>BMC Endocrine Disorders</i> , 2015, 15, 36.	2.2	18
101	Impact of combined resistance and aerobic exercise training on branched-chain amino acid turnover, glycine metabolism and insulin sensitivity in overweight humans. <i>Diabetologia</i> , 2015, 58, 2324-2335.	6.3	103
102	Induction of miR-132 and miR-212 Expression by Glucagon-Like Peptide 1 (GLP-1) in Rodent and Human Pancreatic $\beta$ -Cells. <i>Molecular Endocrinology</i> , 2015, 29, 1243-1253.	3.7	48
103	The ubiquitin ligase MuRF1 regulates PPAR $\beta$ activity in the heart by enhancing nuclear export via monoubiquitination. <i>Molecular and Cellular Endocrinology</i> , 2015, 413, 36-48.	3.2	42
104	Metabolomic Profile Associated With Insulin Resistance and Conversion to Diabetes in the Insulin Resistance Atherosclerosis Study. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, E463-E468.	3.6	199
105	Compartmentalized Acyl-CoA Metabolism in Skeletal Muscle Regulates Systemic Glucose Homeostasis. <i>Diabetes</i> , 2015, 64, 23-35.	0.6	97
106	Isocitrate-to-SEN1 signaling amplifies insulin secretion and rescues dysfunctional $\beta$ cells. <i>Journal of Clinical Investigation</i> , 2015, 125, 3847-3860.	8.2	148
107	Metabolomic Quantitative Trait Loci (mQTL) Mapping Implicates the Ubiquitin Proteasome System in Cardiovascular Disease Pathogenesis. <i>PLoS Genetics</i> , 2015, 11, e1005553.	3.5	81
108	Nrx6.1 regulates islet $\beta$ -cell proliferation via Nr4a1 and Nr4a3 nuclear receptors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 5242-5247.	7.1	84

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109	<scp>MED</scp>13â€dependent signaling from the heart confers leanness by enhancing metabolism in adipose tissue and liver. EMBO Molecular Medicine, 2014, 6, 1610-1621.	6.9	77
110	Metabolomics Reveals Broad-Scale Metabolic Perturbations in Hyperglycemic Mothers During Pregnancy. Diabetes Care, 2014, 37, 158-166.	8.6	103
111	Recent Progress in Metabolic Signaling Pathways Regulating Aging and Life Span. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2014, 69, S21-S27.	3.6	32
112	Mechanical Unloading Promotes Myocardial Energy Recovery in Human Heart Failure. Circulation: Cardiovascular Genetics, 2014, 7, 266-276.	5.1	76
113	The good in fat. Nature, 2014, 516, 49-50.	27.8	12
114	Hepatic SRC-1 Activity Orchestrates Transcriptional Circuitries of Amino Acid Pathways with Potential Relevance for Human Metabolic Pathogenesis. Molecular Endocrinology, 2014, 28, 1707-1718.	3.7	7
115	BMI, RQ, Diabetes, and Sex Affect the Relationships Between Amino Acids and Clamp Measures of Insulin Action in Humans. Diabetes, 2014, 63, 791-800.	0.6	76
116	Brain Insulin Lowers Circulating BCAA Levels by Inducing Hepatic BCAA Catabolism. Cell Metabolism, 2014, 20, 898-909.	16.2	124
117	Fatty acid elongase-5 (Elovl5) regulates hepatic triglyceride catabolism in obese C57BL/6J mice. Journal of Lipid Research, 2014, 55, 1448-1464.	4.2	47
118	Validation of the association between a branched chain amino acid metabolite profile and extremes of coronary artery disease in patients referred for cardiac catheterization. Atherosclerosis, 2014, 232, 191-196.	0.8	109
119	Obesity and lipid stress inhibit carnitine acetyltransferase activity. Journal of Lipid Research, 2014, 55, 635-644.	4.2	80
120	Effects of HIV Infection on the Metabolic and Hormonal Status of Children with Severe Acute Malnutrition. PLoS ONE, 2014, 9, e102233.	2.5	25
121	Abstract 18884: Proteomic Profiling Reveals Reduction in Electron Transport Chain Proteins in the Hearts of Hibernating Arctic Ground Squirrels Compared with Rats after Surgical Ischemia and Reperfusion: A Convergence of Mammalian Cardio-protective Strategies. Circulation, 2014, 130, .	1.6	0
122	Circadian Clock NAD <sup>+</sup> Cycle Drives Mitochondrial Oxidative Metabolism in Mice. Science, 2013, 342, 1243-1247.	12.6	525
123	Gut Microbiota from Twins Discordant for Obesity Modulate Metabolism in Mice. Science, 2013, 341, 1241-1244.	12.6	3,006
124	SIRT5 Regulates the Mitochondrial Lysine Succinylome and Metabolic Networks. Cell Metabolism, 2013, 18, 920-933.	16.2	549
125	Branched-chain amino acids alter neurobehavioral function in rats. American Journal of Physiology - Endocrinology and Metabolism, 2013, 304, E405-E413.	3.5	45
126	Branched chain amino acids are novel biomarkers for discrimination of metabolic wellness. Metabolism: Clinical and Experimental, 2013, 62, 961-969.	3.4	184



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127	Race and Sex Differences in Small-Molecule Metabolites and Metabolic Hormones in Overweight and Obese Adults. <i>OMICS A Journal of Integrative Biology</i> , 2013, 17, 627-635.	2.0	59
128	Research Resource: Tissue- and Pathway-Specific Metabolomic Profiles of the Steroid Receptor Coactivator (SRC) Family. <i>Molecular Endocrinology</i> , 2013, 27, 366-380.	3.7	28
129	Pdx-1 Activates Islet $\beta$ - and $\delta$ -Cell Proliferation via a Mechanism Regulated by Transient Receptor Potential Cation Channels 3 and 6 and Extracellular Signal-Regulated Kinases 1 and 2. <i>Molecular and Cellular Biology</i> , 2013, 33, 4017-4029.	2.3	51
130	Metabolomic Profiling Reveals a Role for Caspase-2 in Lipoapoptosis. <i>Journal of Biological Chemistry</i> , 2013, 288, 14463-14475.	3.4	41
131	Effect of Roux-en-Y Gastric Bypass and Laparoscopic Adjustable Gastric Banding on Branched-Chain Amino Acid Metabolism. <i>Diabetes</i> , 2013, 62, 2757-2761.	0.6	108
132	Control of Voltage-gated Potassium Channel Kv2.2 Expression by Pyruvate-Isocitrate Cycling Regulates Glucose-stimulated Insulin Secretion. <i>Journal of Biological Chemistry</i> , 2013, 288, 23128-23140.	3.4	19
133	Coming of age: molecular drivers of aging and therapeutic opportunities. <i>Journal of Clinical Investigation</i> , 2013, 123, 946-950.	8.2	136
134	Impact of parenteral lipid emulsions on the metabolomic phenotype in preterm TPN-fed piglets. <i>FASEB Journal</i> , 2013, 27, 1073.11.	0.5	0
135	Elevated hepatic fatty acid elongase 5 (Elovl5) attenuates fatty liver in high fat diet induced obese mice. <i>FASEB Journal</i> , 2013, 27, 1010.3.	0.5	1
136	Interplay between Lipids and Branched-Chain Amino Acids in Development of Insulin Resistance. <i>Cell Metabolism</i> , 2012, 15, 606-614.	16.2	861
137	Metabolomic Profiling for the Identification of Novel Biomarkers and Mechanisms Related to Common Cardiovascular Diseases. <i>Circulation</i> , 2012, 126, 1110-1120.	1.6	312
138	Baseline metabolomic profiles predict cardiovascular events in patients at risk for coronary artery disease. <i>American Heart Journal</i> , 2012, 163, 844-850.e1.	2.7	271
139	Ablation of Steroid Receptor Coactivator-3 Resembles the Human CACT Metabolic Myopathy. <i>Cell Metabolism</i> , 2012, 15, 752-763.	16.2	36
140	A VGF-Derived Peptide Attenuates Development of Type 2 Diabetes via Enhancement of Islet $\beta$ -Cell Survival and Function. <i>Cell Metabolism</i> , 2012, 16, 33-43.	16.2	79
141	Metabolomic Profiling Reveals Mitochondrial-Derived Lipid Biomarkers That Drive Obesity-Associated Inflammation. <i>PLoS ONE</i> , 2012, 7, e38812.	2.5	111
142	Daily variation of serum acylcarnitines and amino acids. <i>Metabolomics</i> , 2012, 8, 556-565.	3.0	34
143	Metabolic profiles predict adverse events after coronary artery bypass grafting. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012, 143, 873-878.	0.8	45
144	The effects of $\text{G}\alpha\text{z}$ signaling on pancreatic $\beta$ -cell function and mass. <i>FASEB Journal</i> , 2012, 26, 615.7.	0.5	1

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145	Caloric restriction, aerobic exercise or a combination improves metabolic profiles following diet-induced obesity. <i>FASEB Journal</i> , 2012, 26, 1142-19.	0.5	0
146	The Impact of a Consortium of Fermented Milk Strains on the Gut Microbiome of Gnotobiotic Mice and Monozygotic Twins. <i>Science Translational Medicine</i> , 2011, 3, 106ra106.	12.4	456
147	SIRT3 Deficiency and Mitochondrial Protein Hyperacetylation Accelerate the Development of the Metabolic Syndrome. <i>Molecular Cell</i> , 2011, 44, 177-190.	9.7	691
148	Exercise-Induced Changes in Metabolic Intermediates, Hormones, and Inflammatory Markers Associated With Improvements in Insulin Sensitivity. <i>Diabetes Care</i> , 2011, 34, 174-176.	8.6	51
149	Differential Metabolic Impact of Gastric Bypass Surgery Versus Dietary Intervention in Obese Diabetic Subjects Despite Identical Weight Loss. <i>Science Translational Medicine</i> , 2011, 3, 80re2.	12.4	324
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