

Riekelt H Houtkooper

List of Publications by Year in descending order

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Version: 2024-02-01

164
papers

16,748
citations

30070

54
h-index

16183

124
g-index

179
all docs

179
docs citations

179
times ranked

24127
citing authors

#	ARTICLE	IF	CITATIONS
1	An improved functional assay in blood spot to diagnose Barth syndrome using the monolysocardiolipin/cardioplin ratio. <i>Journal of Inherited Metabolic Disease</i> , 2022, 45, 29-37.	3.6	11
2	The female mouse is resistant to mild vitamin B3 deficiency. <i>European Journal of Nutrition</i> , 2022, 61, 329-340.	3.9	5
3	Multi-omics analysis identifies essential regulators of mitochondrial stress response in two wild-type <i>C.Âelegans</i> strains. <i>IScience</i> , 2022, 25, 103734.	4.1	9
4	Meeting Report: Aging Research and Drug Discovery. <i>Aging</i> , 2022, 14, 530-543.	3.1	4
5	HIF-1± Stabilization in Flagellin-Stimulated Human Bronchial Cells Impairs Barrier Function. <i>Cells</i> , 2022, 11, 391.	4.1	2
6	Timeâ€restricted feeding during the inactive phase abolishes the daily rhythm in mitochondrial respiration in rat skeletal muscle. <i>FASEB Journal</i> , 2022, 36, e22133.	0.5	11
7	The mouse metallomic landscape of aging and metabolism. <i>Nature Communications</i> , 2022, 13, 607.	12.8	18
8	Healthy aging and muscle function are positively associated with NAD+ abundance in humans. <i>Nature Aging</i> , 2022, 2, 254-263.	11.6	39
9	<i>HEATR3</i> variants impair nuclear import of uL18 (RPL5) and drive Diamond-Blackfan anemia. <i>Blood</i> , 2022, 139, 3111-3126.	1.4	15
10	Reduced ech-6 expression attenuates fat-induced lifespan shortening in <i>C. elegans</i> . <i>Scientific Reports</i> , 2022, 12, 3350.	3.3	4
11	Genetic, biochemical and clinical spectrum of patients with mitochondrial trifunctional protein deficiency identified after introduction of newborn screening in the Netherlands. <i>Journal of Inherited Metabolic Disease</i> , 2022, , .	3.6	5
12	Polar metabolomics in human muscle biopsies using a liquid-liquid extraction and full-scan LC-MS. <i>STAR Protocols</i> , 2022, 3, 101302.	1.2	15
13	Pharmaceutical and nutraceutical activation of FOXO3 for healthy longevity. <i>Ageing Research Reviews</i> , 2022, 78, 101621.	10.9	18
14	Personalized medicine for rare neurogenetic disorders: can we make it happen?. <i>Cold Spring Harbor Molecular Case Studies</i> , 2022, 8, .	1.0	2
15	Long noncoding RNAs in cardiometabolic disorders. <i>FEBS Letters</i> , 2022, 596, 1367-1387.	2.8	9
16	Neonatal Long-Chain 3-Ketoacyl-CoA Thiolase deficiency: Clinical-biochemical phenotype, sodium-D,L-3-hydroxybutyrate treatment experience and cardiac evaluation using speckle echocardiography. <i>Molecular Genetics and Metabolism Reports</i> , 2022, 31, 100873.	1.1	3
17	Immunometabolic rewiring of tubular epithelial cells in kidney disease. <i>Nature Reviews Nephrology</i> , 2022, 18, 588-603.	9.6	32
18	Human alveolar macrophages do not rely on glucose metabolism upon activation by lipopolysaccharide. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2022, 1868, 166488.	3.8	9

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19	Metabolic adaptations of human alveolar macrophages upon activation by lipopolysaccharide in vivo. Scandinavian Journal of Immunology, 2021, 93, e13011.	2.7	1
20	Exploring the metabolic fate of medium-chain triglycerides in healthy individuals using a stable isotope tracer. Clinical Nutrition, 2021, 40, 1396-1404.	5.0	8
21	Longevity pathways are associated with human ovarian ageing. Human Reproduction Open, 2021, 2021, hoab020.	5.4	11
22	Adherence Affects Monocyte Innate Immune Function and Metabolic Reprogramming after Lipopolysaccharide Stimulation In Vitro. Journal of Immunology, 2021, 206, 827-838.	0.8	15
23	mTOR-driven glycolysis governs induction of innate immune responses by bronchial epithelial cells exposed to the bacterial component flagellin. Mucosal Immunology, 2021, 14, 594-604.	6.0	13
24	Quantification of Myocardial Creatine and Triglyceride Content in the Human Heart: Precision and Accuracy of in vivo Proton Magnetic Resonance Spectroscopy. Journal of Magnetic Resonance Imaging, 2021, 54, 411-420.	3.4	9
25	Aging selectively dampens oscillation of lipid abundance in white and brown adipose tissue. Scientific Reports, 2021, 11, 5932.	3.3	16
26	Reduced nicotinamide mononucleotide is a new and potent NAD ⁺ precursor in mammalian cells and mice. FASEB Journal, 2021, 35, e21456.	0.5	42
27	Metabolomics and lipidomics in <i>Caenorhabditis elegans</i> using a single-sample preparation. DMM Disease Models and Mechanisms, 2021, 14, .	2.4	27
28	The Antibiotic Doxycycline Impairs Cardiac Mitochondrial and Contractile Function. International Journal of Molecular Sciences, 2021, 22, 4100.	4.1	20
29	The Role of AMPK Signaling in Brown Adipose Tissue Activation. Cells, 2021, 10, 1122.	4.1	35
30	NAD ⁺ homeostasis in human health and disease. EMBO Molecular Medicine, 2021, 13, e13943.	6.9	86
31	Circadian misalignment disturbs the skeletal muscle lipidome in healthy young men. FASEB Journal, 2021, 35, e21611.	0.5	8
32	NAD ⁺ -Precursor Supplementation With L-Tryptophan, Nicotinic Acid, and Nicotinamide Does Not Affect Mitochondrial Function or Skeletal Muscle Function in Physically Compromised Older Adults. Journal of Nutrition, 2021, 151, 2917-2931.	2.9	13
33	A review of treatment modalities in gyrate atrophy of the choroid and retina (GACR). Molecular Genetics and Metabolism, 2021, 134, 96-116.	1.1	9
34	Biological Age Prediction From Wearable Device Movement Data Identifies Nutritional and Pharmacological Interventions for Healthy Aging. Frontiers in Aging, 2021, 2, .	2.6	8
35	Inhibition of the neuromuscular acetylcholine receptor with atracurium activates FOXO/DAF-16-induced longevity. Aging Cell, 2021, 20, e13381.	6.7	9
36	Sitting less elicits metabolic responses similar to exercise and enhances insulin sensitivity in postmenopausal women. Diabetologia, 2021, 64, 2817-2828.	6.3	12

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37	Ribosomal protein gene RPL9 variants can differentially impair ribosome function and cellular metabolism. <i>Nucleic Acids Research</i> , 2020, 48, 770-787.	14.5	28
38	Integrating the Hallmarks of Aging Throughout the Tree of Life: A Focus on Mitochondrial Dysfunction. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 594416.	3.7	46
39	IgG Subclasses Shape Cytokine Responses by Human Myeloid Immune Cells through Differential Metabolic Reprogramming. <i>Journal of Immunology</i> , 2020, 205, 3400-3407.	0.8	15
40	Mitochondrial translation and dynamics synergistically extend lifespan in <i>C. elegans</i> through HLH-30. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	37
41	Subclinical effects of long-chain fatty acid β -oxidation deficiency on the adult heart: A case-control magnetic resonance study. <i>Journal of Inherited Metabolic Disease</i> , 2020, 43, 969-980.	3.6	11
42	Mitochondrial cross-compartmental signalling to maintain proteostasis and longevity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190414.	4.0	8
43	Identification of longevity compounds with minimized probabilities of side effects. <i>Biogerontology</i> , 2020, 21, 709-719.	3.9	22
44	Atherogenic Lipoprotein(a) Increases Vascular Glycolysis, Thereby Facilitating Inflammation and Leukocyte Extravasation. <i>Circulation Research</i> , 2020, 126, 1346-1359.	4.5	96
45	Enzyme engineering to fight mitochondrial diseases. <i>Nature Metabolism</i> , 2020, 2, 215-216.	11.9	1
46	Hepatic Carbohydrate Response Element Binding Protein Activation Limits Nonalcoholic Fatty Liver Disease Development in a Mouse Model for Glycogen Storage Disease Type 1a. <i>Hepatology</i> , 2020, 72, 1638-1653.	7.3	34
47	Prediction of VLCAD deficiency phenotype by a metabolic fingerprint in newborn screening bloodspots. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020, 1866, 165725.	3.8	12
48	A Conserved Mito-Cytosolic Translational Balance Links Two Longevity Pathways. <i>Cell Metabolism</i> , 2020, 31, 549-563.e7.	16.2	87
49	Nutritional ketosis improves exercise metabolism in patients with very long-chain acyl-CoA dehydrogenase deficiency. <i>Journal of Inherited Metabolic Disease</i> , 2020, 43, 787-799.	3.6	26
50	Mitochondrial fission and fusion: A dynamic role in aging and potential target for age-related disease. <i>Mechanisms of Ageing and Development</i> , 2020, 186, 111212.	4.6	174
51	Aging-regulated anti-apoptotic long non-coding RNA Sarrah augments recovery from acute myocardial infarction. <i>Nature Communications</i> , 2020, 11, 2039.	12.8	63
52	Electrophysiological Abnormalities in VLCAD Deficient hiPSC-Cardiomyocytes Can Be Improved by Lowering Accumulation of Fatty Acid Oxidation Intermediates. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2589.	4.1	24
53	Skeletal muscle in healthy humans exhibits a day-night rhythm in lipid metabolism. <i>Molecular Metabolism</i> , 2020, 37, 100989.	6.5	30
54	Nicotinamide riboside supplementation alters body composition and skeletal muscle acetylcarnitine concentrations in healthy obese humans. <i>American Journal of Clinical Nutrition</i> , 2020, 112, 413-426.	4.7	96

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55	Electrophysiological Abnormalities in VLCAD Deficient hiPSC-Cardiomyocytes Do not Improve with Carnitine Supplementation. <i>Frontiers in Pharmacology</i> , 2020, 11, 616834.	3.5	5
56	Confounding factors from inducible systems for spatiotemporal gene expression regulation. <i>Journal of Cell Biology</i> , 2020, 219, .	5.2	23
57	Mitochondrial Fatty Acid Oxidation Disorders: Laboratory Diagnosis, Pathogenesis, and the Complicated Route to Treatment. <i>Journal of Lipid and Atherosclerosis</i> , 2020, 9, 313.	3.5	35
58	ARDD 2020: from aging mechanisms to interventions. <i>Aging</i> , 2020, 12, 24484-24503.	3.1	32
59	A single day of high-fat diet feeding induces lipid accumulation and insulin resistance in brown adipose tissue in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E820-E830.	3.5	40
60	From molecular promise to preclinical results: HDAC inhibitors in the race for healthy aging drugs. <i>EMBO Molecular Medicine</i> , 2019, 11, e9854.	6.9	77
61	Mitochondrial Dysfunction Underlies Cardiomyocyte Remodeling in Experimental and Clinical Atrial Fibrillation. <i>Cells</i> , 2019, 8, 1202.	4.1	57
62	A uniparental isodisomy event introducing homozygous pathogenic variants drives a multisystem metabolic disorder. <i>Journal of Physical Education and Sports Management</i> , 2019, 5, a004457.	1.2	2
63	Host-Microbe-Drug-Nutrient Screen Identifies Bacterial Effectors of Metformin Therapy. <i>Cell</i> , 2019, 178, 1299-1312.e29.	28.9	186
64	The role of glycolysis and mitochondrial respiration in the formation and functioning of endothelial tip cells during angiogenesis. <i>Scientific Reports</i> , 2019, 9, 12608.	3.3	113
65	A reduced form of nicotinamide riboside defines a new path for NAD ⁺ biosynthesis and acts as an orally bioavailable NAD ⁺ precursor. <i>Molecular Metabolism</i> , 2019, 30, 192-202.	6.5	89
66	Complexome Profiling ALIGNment (COPAL) reveals remodeling of mitochondrial protein complexes in Barth syndrome. <i>Bioinformatics</i> , 2019, 35, 3083-3091.	4.1	37
67	Cardiolipin-induced activation of pyruvate dehydrogenase links mitochondrial lipid biosynthesis to TCA cycle function. <i>Journal of Biological Chemistry</i> , 2019, 294, 11568-11578.	3.4	31
68	HNRNPR Variants that Impair Homeobox Gene Expression Drive Developmental Disorders in Humans. <i>American Journal of Human Genetics</i> , 2019, 104, 1040-1059.	6.2	29
69	Underpowered or negative? A crucial distinction. Reply to Dollerup OL, Treebak JT, Jessen N [letter]. <i>Diabetologia</i> , 2019, 62, 1096-1096.	6.3	0
70	Glycine promotes longevity in <i>Caenorhabditis elegans</i> in a methionine cycle-dependent fashion. <i>PLoS Genetics</i> , 2019, 15, e1007633.	3.5	55
71	NAD ⁺ metabolism as a target for metabolic health: have we found the silver bullet?. <i>Diabetologia</i> , 2019, 62, 888-899.	6.3	47
72	Impact of newborn screening for very-long-chain acyl-CoA dehydrogenase deficiency on genetic, enzymatic, and clinical outcomes. <i>Journal of Inherited Metabolic Disease</i> , 2019, 42, 414-423.	3.6	36

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73	Translational Metabolism: A multidisciplinary approach towards precision diagnosis of inborn errors of metabolism in the omics era. <i>Journal of Inherited Metabolic Disease</i> , 2019, 42, 197-208.	3.6	20
74	Platelet Toll-like receptor expression and activation induced by lipopolysaccharide and sepsis. <i>Platelets</i> , 2019, 30, 296-304.	2.3	36
75	Deletion of NLRX1 increases fatty acid metabolism and prevents diet-induced hepatic steatosis and metabolic syndrome. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 1883-1895.	3.8	30
76	Increased cardiac fatty acid oxidation in a mouse model with decreased malonyl-CoA sensitivity of CPT1B. <i>Cardiovascular Research</i> , 2018, 114, 1324-1334.	3.8	37
77	Csde1 binds transcripts involved in protein homeostasis and controls their expression in an erythroid cell line. <i>Scientific Reports</i> , 2018, 8, 2628.	3.3	20
78	Metabolic Flexibility as an Adaptation to Energy Resources and Requirements in Health and Disease. <i>Endocrine Reviews</i> , 2018, 39, 489-517.	20.1	359
79	Recurring mutations in <i>RPL15</i> are linked to hydrops fetalis and treatment independence in Diamond-Blackfan anemia. <i>Haematologica</i> , 2018, 103, 949-958.	3.5	22
80	AMC-Bio-Artificial Liver culturing enhances mitochondrial biogenesis in human liver cell lines: The role of oxygen, medium perfusion and 3D configuration. <i>Mitochondrion</i> , 2018, 39, 30-42.	3.4	9
81	Forward and reverse genetics approaches to uncover metabolic aging pathways in <i>Caenorhabditis elegans</i> . <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 2697-2706.	3.8	28
82	A Defective Pentose Phosphate Pathway Reduces Inflammatory Macrophage Responses during Hypercholesterolemia. <i>Cell Reports</i> , 2018, 25, 2044-2052.e5.	6.4	140
83	Identification of key pathways and metabolic fingerprints of longevity in <i>C. elegans</i> . <i>Experimental Gerontology</i> , 2018, 113, 128-140.	2.8	50
84	Modeling Meets Metabolomics – The WormJam Consensus Model as Basis for Metabolic Studies in the Model Organism <i>Caenorhabditis elegans</i> . <i>Frontiers in Molecular Biosciences</i> , 2018, 5, 96.	3.5	40
85	Barth syndrome cells display widespread remodeling of mitochondrial complexes without affecting metabolic flux distribution. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 3650-3658.	3.8	53
86	Pyruvate dehydrogenase complex plays a central role in brown adipocyte energy expenditure and fuel utilization during short-term beta-adrenergic activation. <i>Scientific Reports</i> , 2018, 8, 9562.	3.3	53
87	Disorders of mitochondrial long-chain fatty acid oxidation and the carnitine shuttle. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2018, 19, 93-106.	5.7	215
88	Quercetin Lowers Plasma Triglycerides Accompanied by White Adipose Tissue Browning in Diet-Induced Obese Mice. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1786.	4.1	50
89	Preface - Animal models for aging. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 2679.	3.8	0
90	Natural genetic variation in <i>C. elegans</i> identified genomic loci controlling metabolite levels. <i>Genome Research</i> , 2018, 28, 1296-1308.	5.5	39

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91	Mitochondrial ubiquinone-mediated longevity is marked by reduced cytoplasmic mRNA translation. Life Science Alliance, 2018, 1, e201800082.	2.8	12
92	Sweet skin remedy. Science Translational Medicine, 2018, 10, .	12.4	0
93	Fat up to BAT. Science Translational Medicine, 2018, 10, .	12.4	0
94	Fetal against fatal: In utero genome editing to prevent metabolic disease. Science Translational Medicine, 2018, 10, .	12.4	1
95	A lncRNA that regulates cholesterol homeostasis. Science Translational Medicine, 2018, 10, .	12.4	0
96	A Ribosomopathy Reveals Decoding Defective Ribosomes Driving Human Dysmorphisms. American Journal of Human Genetics, 2017, 100, 506-522.	6.2	69
97	A homozygous missense mutation in ERAL1, encoding a mitochondrial rRNA chaperone, causes Perrault syndrome. Human Molecular Genetics, 2017, 26, 2541-2550.	2.9	61
98	Acute detachment of hexokinase II from mitochondria modestly increases oxygen consumption of the intact mouse heart. Metabolism: Clinical and Experimental, 2017, 72, 66-74.	3.4	15
99	A sensitive mass spectrometry platform identifies metabolic changes of life history traits in C. elegans. Scientific Reports, 2017, 7, 2408.	3.3	61
100	Identification of enzymes involved in oxidation of phenylbutyrate. Journal of Lipid Research, 2017, 58, 955-961.	4.2	7
101	Microbial stimulation of different Toll-like receptor signalling pathways induces diverse metabolic programmes in human monocytes. Nature Microbiology, 2017, 2, 16246.	13.3	228
102	Lipoprotein Lipase Maintains Microglial Innate Immunity in Obesity. Cell Reports, 2017, 20, 3034-3042.	6.4	89
103	Ketones and inborn errors of metabolism: old friends revisited. Journal of Inherited Metabolic Disease, 2017, 40, 3-4.	3.6	5
104	Ethnic differences in metabolite signatures and type 2 diabetes: a nested case-control analysis among people of South Asian, African and European origin. Nutrition and Diabetes, 2017, 7, 300.	3.2	23
105	The gut microbiota as a modulator of innate immunity during melioidosis. PLoS Neglected Tropical Diseases, 2017, 11, e0005548.	3.0	36
106	Sirtuins and Aging. , 2016, , 213-227.		2
107	Sirtuin activation as a therapeutic approach against inborn errors of metabolism. Journal of Inherited Metabolic Disease, 2016, 39, 565-572.	3.6	11
108	The impact of altered carnitine availability on acylcarnitine metabolism, energy expenditure and glucose tolerance in diet-induced obese mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 1375-1382.	3.8	15

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109	Mfn1 Deficiency in the Liver Protects Against Diet-Induced Insulin Resistance and Enhances the Hypoglycemic Effect of Metformin. Diabetes, 2016, 65, 3552-3560.	0.6	66
110	Commentaries on Viewpoint: The rigorous study of exercise adaptations: Why mRNA might not be enough. Journal of Applied Physiology, 2016, 121, 597-600.	2.5	6
111	A screening-based platform for the assessment of cellular respiration in Caenorhabditis elegans. Nature Protocols, 2016, 11, 1798-1816.	12.0	133
112	NAD+ as a Pharmacological Tool to Boost Sirtuin Activity. , 2016, , 29-40.		0
113	Type 5 adenylyl cyclase disruption leads to enhanced exercise performance. Aging Cell, 2015, 14, 1075-1084.	6.7	13
114	Mitochondrial quality control pathways as determinants of metabolic health. BioEssays, 2015, 37, 867-876.	2.5	109
115	Antibiotic use and abuse: A threat to mitochondria and chloroplasts with impact on research, health, and environment. BioEssays, 2015, 37, 1045-1053.	2.5	108
116	Atypical Clinical Presentations of TAZ Mutations: An Underdiagnosed Cause of Growth Retardation?. JIMD Reports, 2015, 29, 89-93.	1.5	8
117	Laminar Shear Stress Inhibits Endothelial Cell Metabolism via KLF2-Mediated Repression of PFKFB3. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 137-145.	2.4	213
118	Prolonged daily light exposure increases body fat mass through attenuation of brown adipose tissue activity. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 6748-6753.	7.1	115
119	Tetracyclines Disturb Mitochondrial Function across Eukaryotic Models: A Call for Caution in Biomedical Research. Cell Reports, 2015, 10, 1681-1691.	6.4	385
120	Fatty acid oxidation flux predicts the clinical severity of VLCAD deficiency. Genetics in Medicine, 2015, 17, 989-994.	2.4	48
121	Tetracycline Antibiotics Impair Mitochondrial Function and Its Experimental Use Confounds Research. Cancer Research, 2015, 75, 4446-4449.	0.9	112
122	Deletion of the Cardiolipin-specific Phospholipase Cld1 Rescues Growth and Life Span Defects in the Tafazzin Mutant. Journal of Biological Chemistry, 2014, 289, 3114-3125.	3.4	55
123	Mitochondrial fission: firing up mitochondria in brown adipose tissue. EMBO Journal, 2014, 33, 401-402.	7.8	22
124	A method to identify and validate mitochondrial modulators using mammalian cells and the worm C. elegans. Scientific Reports, 2014, 4, 5285.	3.3	42
125	Mannose-Binding Lectin Is Required for the Effective Clearance of Apoptotic Cells by Adipose Tissue Macrophages During Obesity. Diabetes, 2014, 63, 4143-4153.	0.6	27
126	Mitochondrial response to nutrient availability and its role in metabolic disease. EMBO Molecular Medicine, 2014, 6, 580-589.	6.9	120

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127	The two-faced progeria gene and its implications in aging and metabolism. EMBO Reports, 2014, 15, 470-471.	4.5	0
128	Cardiomyocyte-Specific miRNA-30c Over-Expression Causes Dilated Cardiomyopathy. PLoS ONE, 2014, 9, e96290.	2.5	44
129	The NAD ⁺ /Sirtuin Pathway Modulates Longevity through Activation of Mitochondrial UPR and FOXO Signaling. Cell, 2013, 154, 430-441.	28.9	951
130	NAD ⁺ metabolism: A therapeutic target for age-related metabolic disease. Critical Reviews in Biochemistry and Molecular Biology, 2013, 48, 397-408.	5.2	163
131	Barth syndrome: Cellular compensation of mitochondrial dysfunction and apoptosis inhibition due to changes in cardiolipin remodeling linked to tafazzin (TAZ) gene mutation. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2013, 1832, 1194-1206.	3.8	140
132	Pharmacological approaches to restore mitochondrial function. Nature Reviews Drug Discovery, 2013, 12, 465-483.	46.4	323
133	Mitochondrial protein imbalance as a conserved longevity mechanism. Nature, 2013, 497, 451-457.	27.8	846
134	Imp2 controls oxidative phosphorylation and is crucial for preserving glioblastoma cancer stem cells. Genes and Development, 2012, 26, 1926-1944.	5.9	370
135	Exploring the therapeutic space around NAD ⁺ . Journal of Cell Biology, 2012, 199, 205-209.	5.2	93
136	Cholestasis Is Associated with Hepatic Microvascular Dysfunction and Aberrant Energy Metabolism Before and During Ischemia-Reperfusion. Antioxidants and Redox Signaling, 2012, 17, 1109-1123.	5.4	40
137	Systems Genetics of Metabolism: The Use of the BXD Murine Reference Panel for Multiscalar Integration of Traits. Cell, 2012, 150, 1287-1299.	28.9	212
138	Key Electrophysiological, Molecular, and Metabolic Signatures of Sleep and Wakefulness Revealed in Primary Cortical Cultures. Journal of Neuroscience, 2012, 32, 12506-12517.	3.6	151
139	The NAD ⁺ Precursor Nicotinamide Riboside Enhances Oxidative Metabolism and Protects against High-Fat Diet-Induced Obesity. Cell Metabolism, 2012, 15, 838-847.	16.2	957
140	Sirtuins as regulators of metabolism and healthspan. Nature Reviews Molecular Cell Biology, 2012, 13, 225-238.	37.0	1,633
141	PARP-1 Inhibition Increases Mitochondrial Metabolism through SIRT1 Activation. Cell Metabolism, 2011, 13, 461-468.	16.2	673
142	Calorie Restriction-like Effects of 30 Days of Resveratrol Supplementation on Energy Metabolism and Metabolic Profile in Obese Humans. Cell Metabolism, 2011, 14, 612-622.	16.2	1,072
143	BID is cleaved by caspase-8 within a native complex on the mitochondrial membrane. Cell Death and Differentiation, 2011, 18, 538-548.	11.2	146
144	Cardiac and Skeletal Muscle Defects in a Mouse Model of Human Barth Syndrome. Journal of Biological Chemistry, 2011, 286, 899-908.	3.4	226

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145	The metabolic footprint of aging in mice. Scientific Reports, 2011, 1, 134.	3.3	440
146	New life for antidiabetic drugs. Nature, 2010, 466, 443-444.	27.8	24
147	MTCH2/MIMP is a major facilitator of tBID recruitment to mitochondria. Nature Cell Biology, 2010, 12, 553-562.	10.3	154
148	The Secret Life of NAD ⁺ : An Old Metabolite Controlling New Metabolic Signaling Pathways. Endocrine Reviews, 2010, 31, 194-223.	20.1	731
149	The dynamics of cardiolipin synthesis post-mitochondrial fusion. Biochimica Et Biophysica Acta - Biomembranes, 2010, 1798, 1577-1585.	2.6	23
150	Metabolic Networks of Longevity. Cell, 2010, 142, 9-14.	28.9	190
151	Cardiolipin Molecular Species with Shorter Acyl Chains Accumulate in Saccharomyces cerevisiae Mutants Lacking the Acyl Coenzyme A-binding Protein Acb1p. Journal of Biological Chemistry, 2009, 284, 27609-27619.	3.4	21
152	Cardiolipin and monolysocardiolipin analysis in fibroblasts, lymphocytes, and tissues using high-performance liquid chromatography-mass spectrometry as a diagnostic test for Barth syndrome. Analytical Biochemistry, 2009, 387, 230-237.	2.4	120
153	Mutations in LPIN1 Cause Recurrent Acute Myoglobinuria in Childhood. American Journal of Human Genetics, 2009, 84, 95.	6.2	1
154	The enigmatic role of tafazzin in cardiolipin metabolism. Biochimica Et Biophysica Acta - Biomembranes, 2009, 1788, 2003-2014.	2.6	135
155	Distinct effects of tafazzin deletion in differentiated and undifferentiated mitochondria. Mitochondrion, 2009, 9, 86-95.	3.4	68
156	Cardiolipin, the heart of mitochondrial metabolism. Cellular and Molecular Life Sciences, 2008, 65, 2493-2506.	5.4	340
157	Mutations in LPIN1 Cause Recurrent Acute Myoglobinuria in Childhood. American Journal of Human Genetics, 2008, 83, 489-494.	6.2	189
158	Bloodspot Assay Using HPLC-Tandem Mass Spectrometry for Detection of Barth Syndrome. Clinical Chemistry, 2008, 54, 371-378.	3.2	108
159	Cardiolipin provides an essential activating platform for caspase-8 on mitochondria. Journal of Cell Biology, 2008, 183, 681-696.	5.2	258
160	Identification and characterization of human cardiolipin synthase. FEBS Letters, 2006, 580, 3059-3064.	2.8	87
161	Only One Splice Variant of the Human TAZ Gene Encodes a Functional Protein with a Role in Cardiolipin Metabolism. Journal of Biological Chemistry, 2003, 278, 43089-43094.	3.4	118
162	A Decade of Newborn Screening for Very-Long-Chain Acyl-CoA Dehydrogenase Deficiency (VLCADD): Benefits, Complications and the Need for Long-Term Follow-Up. SSRN Electronic Journal, 0, , .	0.4	0

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163	Bipotent Liver Progenitors Depend on Glycolysis and Mitochondrial Pyruvate Oxidation for Stem Cell Functions. SSRN Electronic Journal, 0, , .	0.4	0
164	Reduced <i>ech-6</i> Expression Attenuates Fat-Induced Premature Aging in <i>C. Elegans</i> . SSRN Electronic Journal, 0, , .	0.4	0