

Riekelt H Houtkooper

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

150
papers

12,054
citations

46
h-index

109
g-index

179
ext. papers

14,720
ext. citations

10.1
avg, IF

6.48
L-index

#	Paper	IF	Citations
150	Sirtuins as regulators of metabolism and healthspan. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 225-238	48.7	1302
149	Calorie restriction-like effects of 30 days of resveratrol supplementation on energy metabolism and metabolic profile in obese humans. <i>Cell Metabolism</i> , 2011 , 14, 612-22	24.6	924
148	The NAD(+)/Sirtuin Pathway Modulates Longevity through Activation of Mitochondrial UPR and FOXO Signaling. <i>Cell</i> , 2013 , 154, 430-41	56.2	747
147	The NAD(+) precursor nicotinamide riboside enhances oxidative metabolism and protects against high-fat diet-induced obesity. <i>Cell Metabolism</i> , 2012 , 15, 838-47	24.6	732
146	Mitonuclear protein imbalance as a conserved longevity mechanism. <i>Nature</i> , 2013 , 497, 451-7	50.4	656
145	The secret life of NAD+: an old metabolite controlling new metabolic signaling pathways. <i>Endocrine Reviews</i> , 2010 , 31, 194-223	27.2	595
144	PARP-1 inhibition increases mitochondrial metabolism through SIRT1 activation. <i>Cell Metabolism</i> , 2011 , 13, 461-468	24.6	555
143	The metabolic footprint of aging in mice. <i>Scientific Reports</i> , 2011 , 1, 134	4.9	330
142	Cardiolipin, the heart of mitochondrial metabolism. <i>Cellular and Molecular Life Sciences</i> , 2008 , 65, 2493-5063	3	296
141	Tetracyclines Disturb Mitochondrial Function across Eukaryotic Models: A Call for Caution in Biomedical Research. <i>Cell Reports</i> , 2015 , 10, 1681-1691	10.6	280
140	Imp2 controls oxidative phosphorylation and is crucial for preserving glioblastoma cancer stem cells. <i>Genes and Development</i> , 2012 , 26, 1926-44	12.6	275
139	Pharmacological approaches to restore mitochondrial function. <i>Nature Reviews Drug Discovery</i> , 2013 , 12, 465-83	64.1	258
138	Cardiolipin provides an essential activating platform for caspase-8 on mitochondria. <i>Journal of Cell Biology</i> , 2008 , 183, 681-96	7.3	229
137	Metabolic Flexibility as an Adaptation to Energy Resources and Requirements in Health and Disease. <i>Endocrine Reviews</i> , 2018 , 39, 489-517	27.2	172
136	Cardiac and skeletal muscle defects in a mouse model of human Barth syndrome. <i>Journal of Biological Chemistry</i> , 2011 , 286, 899-908	5.4	170
135	Mutations in LPIN1 cause recurrent acute myoglobinuria in childhood. <i>American Journal of Human Genetics</i> , 2008 , 83, 489-94	11	165
134	Laminar shear stress inhibits endothelial cell metabolism via KLF2-mediated repression of PFKFB3. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 137-45	9.4	160

133	Microbial stimulation of different Toll-like receptor signalling pathways induces diverse metabolic programmes in human monocytes. <i>Nature Microbiology</i> , 2016 , 2, 16246	26.6	157
132	Metabolic networks of longevity. <i>Cell</i> , 2010 , 142, 9-14	56.2	153
131	Systems genetics of metabolism: the use of the BXD murine reference panel for multiscale integration of traits. <i>Cell</i> , 2012 , 150, 1287-99	56.2	150
130	NAD ⁺ metabolism: a therapeutic target for age-related metabolic disease. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2013 , 48, 397-408	8.7	144
129	MTCH2/MIMP is a major facilitator of tBID recruitment to mitochondria. <i>Nature Cell Biology</i> , 2010 , 12, 553-562	23.4	134
128	BID is cleaved by caspase-8 within a native complex on the mitochondrial membrane. <i>Cell Death and Differentiation</i> , 2011 , 18, 538-48	12.7	124
127	The enigmatic role of tafazzin in cardiolipin metabolism. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009 , 1788, 2003-14	3.8	117
126	Barth syndrome: cellular compensation of mitochondrial dysfunction and apoptosis inhibition due to changes in cardiolipin remodeling linked to tafazzin (TAZ) gene mutation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013 , 1832, 1194-206	6.9	113
125	Host-Microbe-Drug-Nutrient Screen Identifies Bacterial Effectors of Metformin Therapy. <i>Cell</i> , 2019 , 178, 1299-1312.e29	56.2	109
124	Disorders of mitochondrial long-chain fatty acid oxidation and the carnitine shuttle. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2018 , 19, 93-106	10.5	107
123	Mitochondrial response to nutrient availability and its role in metabolic disease. <i>EMBO Molecular Medicine</i> , 2014 , 6, 580-9	12	101
122	Only one splice variant of the human TAZ gene encodes a functional protein with a role in cardiolipin metabolism. <i>Journal of Biological Chemistry</i> , 2003 , 278, 43089-94	5.4	101
121	Key electrophysiological, molecular, and metabolic signatures of sleep and wakefulness revealed in primary cortical cultures. <i>Journal of Neuroscience</i> , 2012 , 32, 12506-17	6.6	98
120	Cardiolipin and monolysocardiolipin analysis in fibroblasts, lymphocytes, and tissues using high-performance liquid chromatography-mass spectrometry as a diagnostic test for Barth syndrome. <i>Analytical Biochemistry</i> , 2009 , 387, 230-7	3.1	97
119	Bloodspot assay using HPLC-tandem mass spectrometry for detection of Barth syndrome. <i>Clinical Chemistry</i> , 2008 , 54, 371-8	5.5	90
118	Prolonged daily light exposure increases body fat mass through attenuation of brown adipose tissue activity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 6748-53	11.5	88
117	A Defective Pentose Phosphate Pathway Reduces Inflammatory Macrophage Responses during Hypercholesterolemia. <i>Cell Reports</i> , 2018 , 25, 2044-2052.e5	10.6	84
116	Mitochondrial quality control pathways as determinants of metabolic health. <i>BioEssays</i> , 2015 , 37, 867-764.1		82

115	Exploring the therapeutic space around NAD+. <i>Journal of Cell Biology</i> , 2012 , 199, 205-9	7.3	81
114	A screening-based platform for the assessment of cellular respiration in <i>Caenorhabditis elegans</i> . <i>Nature Protocols</i> , 2016 , 11, 1798-816	18.8	79
113	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	5.6	75
112	Antibiotic use and abuse: a threat to mitochondria and chloroplasts with impact on research, health, and environment. <i>BioEssays</i> , 2015 , 37, 1045-53	4.1	74
111	Identification and characterization of human cardiolipin synthase. <i>FEBS Letters</i> , 2006 , 580, 3059-64	3.8	74
110	Tetracycline antibiotics impair mitochondrial function and its experimental use confounds research. <i>Cancer Research</i> , 2015 , 75, 4446-9	10.1	70
109	Distinct effects of tafazzin deletion in differentiated and undifferentiated mitochondria. <i>Mitochondrion</i> , 2009 , 9, 86-95	4.9	55
108	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	4.9	52
107	A Ribosomopathy Reveals Decoding Defective Ribosomes Driving Human Dysmorphism. <i>American Journal of Human Genetics</i> , 2017 , 100, 506-522	11	50
106	From molecular promise to preclinical results: HDAC inhibitors in the race for healthy aging drugs. <i>EMBO Molecular Medicine</i> , 2019 , 11, e9854	12	49
105	Lipoprotein Lipase Maintains Microglial Innate Immunity in Obesity. <i>Cell Reports</i> , 2017 , 20, 3034-3042	10.6	46
104	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	7	46
103	Deletion of the cardiolipin-specific phospholipase Cld1 rescues growth and life span defects in the tafazzin mutant: implications for Barth syndrome. <i>Journal of Biological Chemistry</i> , 2014 , 289, 3114-25	5.4	44
102	Mfn1 Deficiency in the Liver Protects Against Diet-Induced Insulin Resistance and Enhances the Hypoglycemic Effect of Metformin. <i>Diabetes</i> , 2016 , 65, 3552-3560	0.9	44
101	A homozygous missense mutation in ERAL1, encoding a mitochondrial rRNA chaperone, causes Perrault syndrome. <i>Human Molecular Genetics</i> , 2017 , 26, 2541-2550	5.6	43
100	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	8.8	43
99	A sensitive mass spectrometry platform identifies metabolic changes of life history traits in <i>C. elegans</i> . <i>Scientific Reports</i> , 2017 , 7, 2408	4.9	41
98	Atherogenic Lipoprotein(a) Increases Vascular Glycolysis, Thereby Facilitating Inflammation and Leukocyte Extravasation. <i>Circulation Research</i> , 2020 , 126, 1346-1359	15.7	41

97	A method to identify and validate mitochondrial modulators using mammalian cells and the worm <i>C. elegans</i> . <i>Scientific Reports</i> , 2014 , 4, 5285	4.9	39
96	Cardiomyocyte-specific miRNA-30c over-expression causes dilated cardiomyopathy. <i>PLoS ONE</i> , 2014 , 9, e96290	3.7	38
95	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	6.9	37
94	A Conserved Mito-Cytosolic Translational Balance Links Two Longevity Pathways. <i>Cell Metabolism</i> , 2020 , 31, 549-563.e7	24.6	36
93	Cholestasis is associated with hepatic microvascular dysfunction and aberrant energy metabolism before and during ischemia-reperfusion. <i>Antioxidants and Redox Signaling</i> , 2012 , 17, 1109-23	8.4	36
92	Fatty acid oxidation flux predicts the clinical severity of VLCAD deficiency. <i>Genetics in Medicine</i> , 2015 , 17, 989-94	8.1	35
91	Mitochondrial Dysfunction Underlies Cardiomyocyte Remodeling in Experimental and Clinical Atrial Fibrillation. <i>Cells</i> , 2019 , 8,	7.9	34
90	NAD metabolism as a target for metabolic health: have we found the silver bullet?. <i>Diabetologia</i> , 2019 , 62, 888-899	10.3	33
89	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	4.9	32
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,	6.3	30
87	Aging-regulated anti-apoptotic long non-coding RNA Sarrah augments recovery from acute myocardial infarction. <i>Nature Communications</i> , 2020 , 11, 2039	17.4	28
86	The gut microbiota as a modulator of innate immunity during melioidosis. <i>PLoS Neglected Tropical Diseases</i> , 2017 , 11, e0005548	4.8	27
85	Platelet Toll-like receptor expression and activation induced by lipopolysaccharide and sepsis. <i>Platelets</i> , 2019 , 30, 296-304	3.6	26
84	Identification of key pathways and metabolic fingerprints of longevity in <i>C. elegans</i> . <i>Experimental Gerontology</i> , 2018 , 113, 128-140	4.5	25
83	Modeling Meets Metabolomics-The WormJam Consensus Model as Basis for Metabolic Studies in the Model Organism. <i>Frontiers in Molecular Biosciences</i> , 2018 , 5, 96	5.6	23
82	COmplexome Profiling ALignment (COPAL) reveals remodeling of mitochondrial protein complexes in Barth syndrome. <i>Bioinformatics</i> , 2019 , 35, 3083-3091	7.2	22
81	The dynamics of cardiolipin synthesis post-mitochondrial fusion. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2010 , 1798, 1577-85	3.8	22
80	Glycine promotes longevity in <i>Caenorhabditis elegans</i> in a methionine cycle-dependent fashion. <i>PLoS Genetics</i> , 2019 , 15, e1007633	6	21

79	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	5.4	19
78	Skeletal muscle in healthy humans exhibits a day-night rhythm in lipid metabolism. <i>Molecular Metabolism</i> , 2020 , 37, 100989	8.8	18
77	Increased cardiac fatty acid oxidation in a mouse model with decreased malonyl-CoA sensitivity of CPT1B. <i>Cardiovascular Research</i> , 2018 , 114, 1324-1334	9.9	18
76	Natural genetic variation in identified genomic loci controlling metabolite levels. <i>Genome Research</i> , 2018 , 28, 1296-1308	9.7	18
75	Mannose-binding lectin is required for the effective clearance of apoptotic cells by adipose tissue macrophages during obesity. <i>Diabetes</i> , 2014 , 63, 4143-53	0.9	18
74	Cardiolipin molecular species with shorter acyl chains accumulate in <i>Saccharomyces cerevisiae</i> mutants lacking the acyl coenzyme A-binding protein Acb1p: new insights into acyl chain remodeling of cardiolipin. <i>Journal of Biological Chemistry</i> , 2009 , 284, 27609-19	5.4	18
73	Reduced nicotinamide mononucleotide is a new and potent NAD precursor in mammalian cells and mice. <i>FASEB Journal</i> , 2021 , 35, e21456	0.9	18
72	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	5.4	17
71	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	6.9	17
70	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	6	17
69	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	5.7	17
68	Cardiolipin-induced activation of pyruvate dehydrogenase links mitochondrial lipid biosynthesis to TCA cycle function. <i>Journal of Biological Chemistry</i> , 2019 , 294, 11568-11578	5.4	16
67	Mitochondrial translation and dynamics synergistically extend lifespan in <i>C. elegans</i> through HLH-30. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	16
66	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	6.9	14
65	Ethnic differences in metabolite signatures and type 2 diabetes: a nested case-control analysis among people of South Asian, African and European origin. <i>Nutrition and Diabetes</i> , 2017 , 7, 300	4.7	14
64	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,	6.3	13
63	Recurring mutations in are linked to hydrops fetalis and treatment independence in Diamond-Blackfan anemia. <i>Haematologica</i> , 2018 , 103, 949-958	6.6	13
62	The impact of altered carnitine availability on acylcarnitine metabolism, energy expenditure and glucose tolerance in diet-induced obese mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016 , 1862, 1375-82	6.9	13

61	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	5.4	13
60	HNRNPR Variants that Impair Homeobox Gene Expression Drive Developmental Disorders in Humans. <i>American Journal of Human Genetics</i> , 2019 , 104, 1040-1059	11	12
59	Mitochondrial fission: firing up mitochondria in brown adipose tissue. <i>EMBO Journal</i> , 2014 , 33, 401-2	13	12
58	Ribosomal protein gene RPL9 variants can differentially impair ribosome function and cellular metabolism. <i>Nucleic Acids Research</i> , 2020 , 48, 770-787	20.1	12
57	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	11.2	11
56	Type 5 adenylyl cyclase disruption leads to enhanced exercise performance. <i>Aging Cell</i> , 2015 , 14, 1075-84	9.9	11
55	Mitochondrial Fatty Acid Oxidation Disorders: Laboratory Diagnosis, Pathogenesis, and the Complicated Route to Treatment. <i>Journal of Lipid and Atherosclerosis</i> , 2020 , 9, 313-333	3	11
54	ARDD 2020: from aging mechanisms to interventions. <i>Aging</i> , 2020 , 12, 24484-24503	5.6	11
53	Confounding factors from inducible systems for spatiotemporal gene expression regulation. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	11
52	NAD homeostasis in human health and disease. <i>EMBO Molecular Medicine</i> , 2021 , 13, e13943	12	11
51	Identification of longevity compounds with minimized probabilities of side effects. <i>Biogerontology</i> , 2020 , 21, 709-719	4.5	10
50	Csde1 binds transcripts involved in protein homeostasis and controls their expression in an erythroid cell line. <i>Scientific Reports</i> , 2018 , 8, 2628	4.9	10
49	The Role of AMPK Signaling in Brown Adipose Tissue Activation. <i>Cells</i> , 2021 , 10,	7.9	10
48	Sirtuin activation as a therapeutic approach against inborn errors of metabolism. <i>Journal of Inherited Metabolic Disease</i> , 2016 , 39, 565-72	5.4	10
47	Acute detachment of hexokinase II from mitochondria modestly increases oxygen consumption of the intact mouse heart. <i>Metabolism: Clinical and Experimental</i> , 2017 , 72, 66-74	12.7	9
46	Mitochondrial ubiquinone-mediated longevity is marked by reduced cytoplasmic mRNA translation. <i>Life Science Alliance</i> , 2018 , 1,	5.8	8
45	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	4.9	7
44	Atypical Clinical Presentations of TAZ Mutations: An Underdiagnosed Cause of Growth Retardation?. <i>JIMD Reports</i> , 2016 , 29, 89-93	1.9	7

43	Identification of enzymes involved in oxidation of phenylbutyrate. <i>Journal of Lipid Research</i> , 2017 , 58, 955-961	6.3	6
42	IgG Subclasses Shape Cytokine Responses by Human Myeloid Immune Cells through Differential Metabolic Reprogramming. <i>Journal of Immunology</i> , 2020 , 205, 3400-3407	5.3	6
41	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	6.9	5
40	Commentaries on Viewpoint: The rigorous study of exercise adaptations: Why mRNA might not be enough. <i>Journal of Applied Physiology</i> , 2016 , 121, 597-600	3.7	5
39	Metabolomics and lipidomics in <i>Caenorhabditis elegans</i> using a single-sample preparation. <i>DMM Disease Models and Mechanisms</i> , 2021 , 14,	4.1	5
38	Subclinical effects of long-chain fatty acid oxidation deficiency on the adult heart: A case-control magnetic resonance study. <i>Journal of Inherited Metabolic Disease</i> , 2020 , 43, 969-980	5.4	4
37	Aging selectively dampens oscillation of lipid abundance in white and brown adipose tissue. <i>Scientific Reports</i> , 2021 , 11, 5932	4.9	4
36	The Antibiotic Doxycycline Impairs Cardiac Mitochondrial and Contractile Function. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	4
35	mTOR-driven glycolysis governs induction of innate immune responses by bronchial epithelial cells exposed to the bacterial component flagellin. <i>Mucosal Immunology</i> , 2021 , 14, 594-604	9.2	4
34	Sitting less elicits metabolic responses similar to exercise and enhances insulin sensitivity in postmenopausal women. <i>Diabetologia</i> , 2021 , 64, 2817-2828	10.3	4
33	Healthy aging and muscle function are positively associated with NAD ⁺ abundance in humans. <i>Nature Aging</i> , 2022 , 2, 254-263		4
32	Mitochondrial cross-compartmental signalling to maintain proteostasis and longevity. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020 , 375, 20190414	5.8	3
31	The mouse metallomic landscape of aging and metabolism.. <i>Nature Communications</i> , 2022 , 13, 607	17.4	3
30	A review of treatment modalities in gyrate atrophy of the choroid and retina (GACR). <i>Molecular Genetics and Metabolism</i> , 2021 , 134, 96-116	3.7	3
29	Adherence Affects Monocyte Innate Immune Function and Metabolic Reprogramming after Lipopolysaccharide Stimulation In Vitro. <i>Journal of Immunology</i> , 2021 , 206, 827-838	5.3	3
28	A uniparental isodisomy event introducing homozygous pathogenic variants drives a multisystem metabolic disorder. <i>Journal of Physical Education and Sports Management</i> , 2019 , 5,	2.8	2
27	NAD ⁺ -Precursor Supplementation With L-Tryptophan, Nicotinic Acid, and Nicotinamide Does Not Affect Mitochondrial Function or Skeletal Muscle Function in Physically Compromised Older Adults. <i>Journal of Nutrition</i> , 2021 , 151, 2917-2931	4.1	2
26	Sirtuins and Aging 2016 , 213-227		2

25	Exploring the metabolic fate of medium-chain triglycerides in healthy individuals using a stable isotope tracer. <i>Clinical Nutrition</i> , 2021 , 40, 1396-1404	5.9	2
24	Electrophysiological Abnormalities in VLCAD Deficient hiPSC-Cardiomyocytes Do not Improve with Carnitine Supplementation. <i>Frontiers in Pharmacology</i> , 2020 , 11, 616834	5.6	2
23	Quantification of Myocardial Creatine and Triglyceride Content in the Human Heart: Precision and Accuracy of in vivo Proton Magnetic Resonance Spectroscopy. <i>Journal of Magnetic Resonance Imaging</i> , 2021 , 54, 411-420	5.6	2
22	Inhibition of the neuromuscular acetylcholine receptor with atracurium activates FOXO/DAF-16-induced longevity. <i>Aging Cell</i> , 2021 , 20, e13381	9.9	2
21	The female mouse is resistant to mild vitamin B deficiency. <i>European Journal of Nutrition</i> , 2021 , 1	5.2	2
20	HEATR3 variants impair nuclear import of uL18 (RPL5) and drive Diamond-Blackfan anemia.. <i>Blood</i> , 2022 ,	2.2	2
19	Natural genetic variation in <i>C. elegans</i> reveals genomic loci controlling metabolite levels		1
18	Identification of key pathways and metabolic fingerprints of longevity in <i>C. elegans</i>		1
17	Mitochondrial translation and dynamics synergistically extend lifespan in <i>C. elegans</i> through HLH-30		1
16	A homozygous missense mutation in ERAL1, encoding a mitochondrial rRNA chaperone, causes Perrault syndrome		1
15	Csde1 binds transcripts involved in protein homeostasis and controls their expression in erythropoiesis		1
14	Circadian misalignment disturbs the skeletal muscle lipidome in healthy young men. <i>FASEB Journal</i> , 2021 , 35, e21611	0.9	1
13	Longevity pathways are associated with human ovarian ageing. <i>Human Reproduction Open</i> , 2021 , 2021, hoab020	6.1	1
12	Reduced ech-6 expression attenuates fat-induced lifespan shortening in <i>C. elegans</i> .. <i>Scientific Reports</i> , 2022 , 12, 3350	4.9	1
11	Time-restricted feeding during the inactive phase abolishes the daily rhythm in mitochondrial respiration in rat skeletal muscle.. <i>FASEB Journal</i> , 2022 , 36, e22133	0.9	0
10	Multi-omics analysis identifies essential regulators of mitochondrial stress response in two wild-type strains.. <i>iScience</i> , 2022 , 25, 103734	6.1	0
9	Metabolic adaptations of human alveolar macrophages upon activation by lipopolysaccharide in vivo. <i>Scandinavian Journal of Immunology</i> , 2021 , 93, e13011	3.4	0
8	An improved functional assay in blood spot to diagnose Barth syndrome using the monolysocardiolipin/cardiolipin ratio. <i>Journal of Inherited Metabolic Disease</i> , 2021 , 45, 29	5.4	0

7	Polar metabolomics in human muscle biopsies using a liquid-liquid extraction and full-scan LC-MS.. <i>STAR Protocols</i> , 2022 , 3, 101302	1.4	0
6	Pharmaceutical and nutraceutical activation of FOXO3 for healthy longevity.. <i>Ageing Research Reviews</i> , 2022 , 101621	12	0
5	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	1.8	0
4	Underpowered or negative? A crucial distinction. Reply to Dollerup OL, Treebak JT, Jessen N [letter]. <i>Diabetologia</i> , 2019 , 62, 1096	10.3	
3	Enzyme engineering to fight mitochondrial diseases. <i>Nature Metabolism</i> , 2020 , 2, 215-216	14.6	
2	NAD+ as a Pharmacological Tool to Boost Sirtuin Activity 2016 , 29-40		
1	The two-faced progeria gene and its implications in aging and metabolism. <i>EMBO Reports</i> , 2014 , 15, 470-4.5		