

Eija Pirinen

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.

40
papers

4,188
citations

25
h-index

43
g-index

43
ext. papers

4,920
ext. citations

10.8
avg, IF

5.27
L-index

#	Paper	IF	Citations
40	Sirtuins as regulators of metabolism and healthspan. <i>Nature Reviews Molecular Cell Biology</i> , 2012 , 13, 225-238	48.7	1302
39	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
38	Nicotinamide N-methyltransferase knockdown protects against diet-induced obesity. <i>Nature</i> , 2014 , 508, 258-62	50.4	300
37	Effective treatment of mitochondrial myopathy by nicotinamide riboside, a vitamin B3. <i>EMBO Molecular Medicine</i> , 2014 , 6, 721-31	12	265
36	NAD(+)-dependent activation of Sirt1 corrects the phenotype in a mouse model of mitochondrial disease. <i>Cell Metabolism</i> , 2014 , 19, 1042-9	24.6	241
35	Pharmacological Inhibition of poly(ADP-ribose) polymerases improves fitness and mitochondrial function in skeletal muscle. <i>Cell Metabolism</i> , 2014 , 19, 1034-41	24.6	175
34	Muscle or liver-specific Sirt3 deficiency induces hyperacetylation of mitochondrial proteins without affecting global metabolic homeostasis. <i>Scientific Reports</i> , 2012 , 2, 425	4.9	107
33	Enhanced polyamine catabolism alters homeostatic control of white adipose tissue mass, energy expenditure, and glucose metabolism. <i>Molecular and Cellular Biology</i> , 2007 , 27, 4953-67	4.8	96
32	Obesity Is Associated With Low NAD(+)/SIRT Pathway Expression in Adipose Tissue of BMI-Discordant Monozygotic Twins. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 275-83	5.6	93
31	The NAD-Booster Nicotinamide Riboside Potently Stimulates Hematopoiesis through Increased Mitochondrial Clearance. <i>Cell Stem Cell</i> , 2019 , 24, 405-418.e7	18	81
30	Evidence for a direct effect of the NAD+ precursor acipimox on muscle mitochondrial function in humans. <i>Diabetes</i> , 2015 , 64, 1193-201	0.9	74
29	Niacin Cures Systemic NAD Deficiency and Improves Muscle Performance in Adult-Onset Mitochondrial Myopathy. <i>Cell Metabolism</i> , 2020 , 31, 1078-1090.e5	24.6	70
28	Fibroblast Growth Factor 21 Drives Dynamics of Local and Systemic Stress Responses in Mitochondrial Myopathy with mtDNA Deletions. <i>Cell Metabolism</i> , 2019 , 30, 1040-1054.e7	24.6	69
27	Adipose tissue NAD-homeostasis, sirtuins and poly(ADP-ribose) polymerases -important players in mitochondrial metabolism and metabolic health. <i>Redox Biology</i> , 2017 , 12, 246-263	11.3	52
26	Roux-en-y gastric bypass attenuates hepatic mitochondrial dysfunction in mice with non-alcoholic steatohepatitis. <i>Gut</i> , 2015 , 64, 673-83	19.2	51
25	Animal disease models generated by genetic engineering of polyamine metabolism. <i>Journal of Cellular and Molecular Medicine</i> , 2005 , 9, 865-82	5.6	49
24	Hexokinase II-deficient mice. Prenatal death of homozygotes without disturbances in glucose tolerance in heterozygotes. <i>Journal of Biological Chemistry</i> , 1999 , 274, 22517-23	5.4	47

23	Weight Loss Is Associated With Increased NAD(+)/SIRT1 Expression But Reduced PARP Activity in White Adipose Tissue. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016 , 101, 1263-73	5.6	42
22	Mitochondrial sirtuins and metabolic homeostasis. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2012 , 26, 759-70	6.5	42
21	Genetic manipulation of polyamine catabolism in rodents. <i>Journal of Biochemistry</i> , 2006 , 139, 155-60	3.1	38
20	ARTD1-induced poly-ADP-ribose formation enhances PPAR α ligand binding and co-factor exchange. <i>Nucleic Acids Research</i> , 2015 , 43, 129-42	20.1	37
19	Mice with targeted disruption of spermidine/spermine N1-acetyltransferase gene maintain nearly normal tissue polyamine homeostasis but show signs of insulin resistance upon aging. <i>Journal of Cellular and Molecular Medicine</i> , 2006 , 10, 933-45	5.6	37
18	Disturbed keratinocyte differentiation in transgenic mice and organotypic keratinocyte cultures as a result of spermidine/spermine N-acetyltransferase overexpression. <i>Journal of Investigative Dermatology</i> , 2005 , 124, 596-601	4.3	29
17	Fas cell surface death receptor controls hepatic lipid metabolism by regulating mitochondrial function. <i>Nature Communications</i> , 2017 , 8, 480	17.4	27
16	Spermidine is indispensable in differentiation of 3T3-L1 fibroblasts to adipocytes. <i>Journal of Cellular and Molecular Medicine</i> , 2010 , 14, 1683-92	5.6	26
15	Continuous oxidative stress due to activation of polyamine catabolism accelerates aging and protects against hepatotoxic insults. <i>Transgenic Research</i> , 2011 , 20, 387-96	3.3	22
14	Activated polyamine catabolism leads to low cholesterol levels by enhancing bile acid synthesis. <i>Amino Acids</i> , 2010 , 38, 549-60	3.5	16
13	NAD repletion produces no therapeutic effect in mice with respiratory chain complex III deficiency and chronic energy deprivation. <i>FASEB Journal</i> , 2018 , 32, fj201800090R	0.9	14
12	Nuclear factor E2-related factor 2 deficiency impairs atherosclerotic lesion development but promotes features of plaque instability in hypercholesterolaemic mice. <i>Cardiovascular Research</i> , 2019 , 115, 243-254	9.9	13
11	The activation of hepatic and muscle polyamine catabolism improves glucose homeostasis. <i>Amino Acids</i> , 2012 , 42, 427-40	3.5	13
10	Tankyrase inhibition ameliorates lipid disorder via suppression of PGC-1 β PARylation in db/db mice. <i>International Journal of Obesity</i> , 2020 , 44, 1691-1702	5.5	12
9	Transgenic animals modelling polyamine metabolism-related diseases. <i>Essays in Biochemistry</i> , 2009 , 46, 125-44	7.6	11
8	Analysis of the human hexokinase II promoter in vivo: lack of insulin response within 4.0 kb. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 2004 , 1676, 149-54		3
7	Mice with targeted disruption of spermidine/spermine N1-acetyltransferase gene maintain nearly normal tissue polyamine homeostasis but show signs of insulin resistance upon aging. <i>Journal of Cellular and Molecular Medicine</i> , 2006 , 10, 815-827	5.6	2
6	Mitochondrial bioenergetic pathways in blood leukocyte transcriptome decrease after intensive weight loss but are rescued following weight regain in female physique athletes. <i>FASEB Journal</i> , 2021 , 35, e21484	0.9	0

- 5 Transcriptional targeting of virus-mediated gene transfer by the human hexokinase II promoter. *International Journal of Molecular Medicine*, **2006**, 18, 901 4.4
- 4 Genetic Engineering of Polyamine Catabolism in Transgenic Mice and Rats **2006**, 465-477
- 3 Transgenic rodents with altered SSAT expression as models of pancreatitis and altered glucose and lipid metabolism. *Methods in Molecular Biology*, **2011**, 720, 143-58 1.4
- 2 In Vivo Modulation of Mitochondrial Activity Determines HSC Engraftment and Post-Transplant Survival in Mice. *Blood*, **2012**, 120, 213-213 2.2
- 1 Preventing White Adipocyte Browning during Differentiation : The Effect of Differentiation Protocols on Metabolic and Mitochondrial Phenotypes.. *Stem Cells International*, **2022**, 2022, 3308194 5