

Eija Pirinen

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

5,497
citations

236925
25
h-index

330143
37
g-index

43
all docs

43
docs citations

43
times ranked

8819
citing authors

#	ARTICLE	IF	CITATIONS
1	Sirtuins as regulators of metabolism and healthspan. <i>Nature Reviews Molecular Cell Biology</i> , 2012, 13, 225-238.	37.0	1,633
2	The NAD ⁺ Precursor Nicotinamide Riboside Enhances Oxidative Metabolism and Protects against High-Fat Diet-Induced Obesity. <i>Cell Metabolism</i> , 2012, 15, 838-847.	16.2	957
3	Nicotinamide N-methyltransferase knockdown protects against diet-induced obesity. <i>Nature</i> , 2014, 508, 258-262.	27.8	387
4	Effective treatment of mitochondrial myopathy by nicotinamide riboside, a vitamin B ₃ . <i>EMBO Molecular Medicine</i> , 2014, 6, 721-731.	6.9	326
5	NAD ⁺ -Dependent Activation of Sirt1 Corrects the Phenotype in a Mouse Model of Mitochondrial Disease. <i>Cell Metabolism</i> , 2014, 19, 1042-1049.	16.2	293
6	Pharmacological Inhibition of Poly(ADP-Ribose) Polymerases Improves Fitness and Mitochondrial Function in Skeletal Muscle. <i>Cell Metabolism</i> , 2014, 19, 1034-1041.	16.2	211
7	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.	16.2	166
8	Niacin Cures Systemic NAD ⁺ Deficiency and Improves Muscle Performance in Adult-Onset Mitochondrial Myopathy. <i>Cell Metabolism</i> , 2020, 31, 1078-1090.e5.	16.2	154
9	The NAD-Booster Nicotinamide Riboside Potently Stimulates Hematopoiesis through Increased Mitochondrial Clearance. <i>Cell Stem Cell</i> , 2019, 24, 405-418.e7.	11.1	143
10	Muscle or liver-specific Sirt3 deficiency induces hyperacetylation of mitochondrial proteins without affecting global metabolic homeostasis. <i>Scientific Reports</i> , 2012, 2, 425.	3.3	126
11	Enhanced Polyamine Catabolism Alters Homeostatic Control of White Adipose Tissue Mass, Energy Expenditure, and Glucose Metabolism. <i>Molecular and Cellular Biology</i> , 2007, 27, 4953-4967.	2.3	120
12	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, 275-283.	3.6	120
13	Evidence for a Direct Effect of the NAD ⁺ Precursor Acipimox on Muscle Mitochondrial Function in Humans. <i>Diabetes</i> , 2015, 64, 1193-1201.	0.6	99
14	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.	9.0	78
15	Roux-en-y gastric bypass attenuates hepatic mitochondrial dysfunction in mice with non-alcoholic steatohepatitis. <i>Gut</i> , 2015, 64, 673-683.	12.1	64
16	Hexokinase II-deficient Mice. <i>Journal of Biological Chemistry</i> , 1999, 274, 22517-22523.	3.4	58
17	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, 1263-1273.	3.6	57
18	Animal disease models generated by genetic engineering of polyamine metabolism. <i>Journal of Cellular and Molecular Medicine</i> , 2005, 9, 865-882.	3.6	55

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19	Mitochondrial sirtuins and metabolic homeostasis. Best Practice and Research in Clinical Endocrinology and Metabolism, 2012, 26, 759-770.	4.7	47
20	ARTD1-induced poly-ADP-ribose formation enhances PPAR γ ligand binding and co-factor exchange. Nucleic Acids Research, 2015, 43, 129-142.	14.5	46
21	Mice with targeted disruption of spermidine/spermine N ¹ -acetyltransferase gene maintain nearly normal tissue polyamine homeostasis but show signs of insulin resistance upon aging. Journal of Cellular and Molecular Medicine, 2006, 10, 933-945.	3.6	42
22	Genetic Manipulation of Polyamine Catabolism in Rodents. Journal of Biochemistry, 2006, 139, 155-160.	1.7	40
23	Fas cell surface death receptor controls hepatic lipid metabolism by regulating mitochondrial function. Nature Communications, 2017, 8, 480.	12.8	40
24	Spermidine is indispensable in differentiation of 3T3 ω 1 fibroblasts to adipocytes. Journal of Cellular and Molecular Medicine, 2010, 14, 1683-1692.	3.6	38
25	Disturbed Keratinocyte Differentiation in Transgenic Mice and Organotypic Keratinocyte Cultures as a Result of Spermidine/Spermine N1-Acetyltransferase Overexpression. Journal of Investigative Dermatology, 2005, 124, 596-601.	0.7	33
26	Nuclear factor E2-related factor 2 deficiency impairs atherosclerotic lesion development but promotes features of plaque instability in hypercholesterolaemic mice. Cardiovascular Research, 2019, 115, 243-254.	3.8	27
27	Continuous oxidative stress due to activation of polyamine catabolism accelerates aging and protects against hepatotoxic insults. Transgenic Research, 2011, 20, 387-396.	2.4	26
28	Activated polyamine catabolism leads to low cholesterol levels by enhancing bile acid synthesis. Amino Acids, 2010, 38, 549-560.	2.7	21
29	Tankyrase inhibition ameliorates lipid disorder via suppression of PGC-1 α PARylation in db/db mice. International Journal of Obesity, 2020, 44, 1691-1702.	3.4	21
30	The activation of hepatic and muscle polyamine catabolism improves glucose homeostasis. Amino Acids, 2012, 42, 427-440.	2.7	20
31	NAD ⁺ repletion produces no therapeutic effect in mice with respiratory chain complex III deficiency and chronic energy deprivation. FASEB Journal, 2018, 32, 5913-5926.	0.5	18
32	Transgenic animals modelling polyamine metabolism-related diseases. Essays in Biochemistry, 2009, 46, 125-144.	4.7	14
33	Mitochondrial bioenergetic pathways in blood leukocyte transcriptome decrease after intensive weight loss but are rescued following weight regain in female physique athletes. FASEB Journal, 2021, 35, e21484.	0.5	5
34	Analysis of the human hexokinase II promoter in vivo: lack of insulin response within 4.0 kb. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2004, 1676, 149-154.	2.4	3
35	Mice with targeted disruption of spermidine/spermine N1-acetyltransferase gene maintain nearly normal tissue polyamine homeostasis but show signs of insulin resistance upon aging. Journal of Cellular and Molecular Medicine, 2006, 10, 815-827.	3.6	3
36	Transcriptional targeting of virus-mediated gene transfer by the human hexokinase II promoter. International Journal of Molecular Medicine, 2006, 18, 901.	4.0	2

#	ARTICLE	IF	CITATIONS
37	Preventing White Adipocyte Browning during Differentiation In Vitro: The Effect of Differentiation Protocols on Metabolic and Mitochondrial Phenotypes. Stem Cells International, 2022, 2022, 1-21.	2.5	2
38	Genetic Engineering of Polyamine Catabolism in Transgenic Mice and Rats. , 2006, , 465-477.		0
39	Transgenic Rodents with Altered SSAT Expression as Models of Pancreatitis and Altered Glucose and Lipid Metabolism. Methods in Molecular Biology, 2011, 720, 143-158.	0.9	0
40	In Vivo Modulation of Mitochondrial Activity Determines HSC Engraftment and Post-Transplant Survival in Mice. Blood, 2012, 120, 213-213.	1.4	0