List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	SIRT1 mediates hypoxic postconditioning- and resveratrol-induced protection against functional connectivity deficits after subarachnoid hemorrhage. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 1210-1223.	4.3	7
2	Age-related disruption of the proteome and acetylome in mouse hearts is associated with loss of function and attenuated by elamipretide (SS-31) and nicotinamide mononucleotide (NMN) treatment. GeroScience, 2022, 44, 1621-1639.	4.6	8
3	NAD+ oscillation and hypothalamic neuronal functions. Faculty Reviews, 2021, 10, 42.	3.9	5
4	Nicotinamide mononucleotide increases muscle insulin sensitivity in prediabetic women. Science, 2021, 372, 1224-1229.	12.6	192
5	Friends and foes: Extracellular vesicles in aging and rejuvenation. FASEB BioAdvances, 2021, 3, 787-801.	2.4	15
6	The 2021 FASEB science research conference on NAD metabolism and signaling. Aging, 2021, 13, 24924-24930.	3.1	1
7	Effect of oral administration of nicotinamide mononucleotide on clinical parameters and nicotinamide metabolite levels in healthy Japanese men. Endocrine Journal, 2020, 67, 153-160.	1.6	114
8	SSâ€31 and NMN: Two paths to improve metabolism and function in aged hearts. Aging Cell, 2020, 19, e13213.	6.7	38
9	Reply to: Absence of evidence that Slc12a8 encodes a nicotinamide mononucleotide transporter. Nature Metabolism, 2019, 1, 662-665.	11.9	10
10	Unconventional Secretion of Adipocyte Fatty Acid Binding Protein 4 Is Mediated By Autophagic Proteins in a Sirtuin-1–Dependent Manner. Diabetes, 2019, 68, 1767-1777.	0.6	32
11	Extracellular Vesicle-Contained eNAMPT Delays Aging and Extends Lifespan in Mice. Cell Metabolism, 2019, 30, 329-342.e5.	16.2	239
12	Slc12a8 is a nicotinamide mononucleotide transporter. Nature Metabolism, 2019, 1, 47-57.	11.9	183
13	Regulation of Sirtuins by Systemic NAD + Biosynthesis. , 2018, , 7-25.		0
14	NAD+ Intermediates: The Biology and Therapeutic Potential of NMN and NR. Cell Metabolism, 2018, 27, 513-528.	16.2	605
15	NAD+ biosynthesis, aging, and disease. F1000Research, 2018, 7, 132.	1.6	135
16	Hypothalamic Sirt1 protects terminal Schwann cells and neuromuscular junctions from ageâ€related morphological changes. Aging Cell, 2018, 17, e12776.	6.7	35
17	Unconventional Secretion of Adipocyte Fatty Acid Binding Protein (FABP4) by Adipocytes. FASEB Journal, 2018, 32, 814.11.	0.5	1
18	The brain, sirtuins, and ageing. Nature Reviews Neuroscience, 2017, 18, 362-374.	10.2	138

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19	Message from the new Co-Editor-in-Chief. Npj Aging and Mechanisms of Disease, 2017, 3, 3.	4.5	0
20	The NAD World 2.0: the importance of the inter-tissue communication mediated by NAMPT/NAD+/SIRT1 in mammalian aging and longevity control. Npj Systems Biology and Applications, 2016, 2, 16018.	3.0	66
21	NAMPT-Mediated NAD+ Biosynthesis Is Essential for Vision In Mice. Cell Reports, 2016, 17, 69-85.	6.4	150
22	NAMPT-Mediated NAD + Biosynthesis in Adipocytes Regulates Adipose Tissue Function and Multi-organ Insulin Sensitivity in Mice. Cell Reports, 2016, 16, 1851-1860.	6.4	146
23	Nicotinamide mononucleotide supplementation reverses vascular dysfunction and oxidative stress with aging in mice. Aging Cell, 2016, 15, 522-530.	6.7	280
24	Long-Term Administration of Nicotinamide Mononucleotide Mitigates Age-Associated Physiological Decline in Mice. Cell Metabolism, 2016, 24, 795-806.	16.2	552
25	It takes two to tango: NAD+ and sirtuins in aging/longevity control. Npj Aging and Mechanisms of Disease, 2016, 2, 16017.	4.5	299
26	The N-Terminal Domain of SIRT1 Is a Positive Regulator of Endogenous SIRT1-Dependent Deacetylation and Transcriptional Outputs. Cell Reports, 2015, 10, 1665-1673.	6.4	56
27	SIRT1-Mediated eNAMPT Secretion from Adipose Tissue Regulates Hypothalamic NAD+ and Function in Mice. Cell Metabolism, 2015, 21, 706-717.	16.2	172
28	Deficiency of <scp>P</scp> rdm13, a dorsomedial hypothalamusâ€enriched gene, mimics ageâ€associated changes in sleep quality and adiposity. Aging Cell, 2015, 14, 209-218.	6.7	25
29	Nampt is required for long-term depression and the function of GluN2B subunit-containing NMDA receptors. Brain Research Bulletin, 2015, 119, 41-51.	3.0	10
30	Diurnal Variation in Insulin Sensitivity of Glucose Metabolism Is Associated With Diurnal Variations in Whole-Body and Cellular Fatty Acid Metabolism in Metabolically Normal Women. Journal of Clinical Endocrinology and Metabolism, 2014, 99, E1666-E1670.	3.6	49
31	Specific ablation of Nampt in adult neural stem cells recapitulates their functional defects during aging. EMBO Journal, 2014, 33, 1321-40.	7.8	191
32	Expression of Nampt in Hippocampal and Cortical Excitatory Neurons Is Critical for Cognitive Function. Journal of Neuroscience, 2014, 34, 5800-5815.	3.6	50
33	Systemic regulation of mammalian ageing and longevity by brain sirtuins. Nature Communications, 2014, 5, 4211.	12.8	53
34	NAD+ and sirtuins in aging and disease. Trends in Cell Biology, 2014, 24, 464-471.	7.9	988
35	Hypothalamic Sirt1 in aging. Aging, 2014, 6, 1-2.	3.1	27
36	Sirt1 Extends Life Span and Delays Aging in Mice through the Regulation of Nk2 Homeobox 1 in the DMH and LH. Cell Metabolism, 2013, 18, 416-430.	16.2	621

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37	Accurate Measurement of Nicotinamide Adenine Dinucleotide (NAD+) with High-Performance Liquid Chromatography. Methods in Molecular Biology, 2013, 1077, 203-215.	0.9	74
38	Resveratrol Supplementation Does Not Improve Metabolic Function in Nonobese Women with Normal Glucose Tolerance. Cell Metabolism, 2012, 16, 658-664.	16.2	336
39	The dynamic regulation of NAD metabolism in mitochondria. Trends in Endocrinology and Metabolism, 2012, 23, 420-428.	7.1	417
40	Mitochondrial SIRT3: A New Potential Therapeutic Target for Metabolic Syndrome. Molecular Cell, 2011, 44, 170-171.	9.7	23
41	A nutrientâ€sensitive interaction between Sirt1 and HNFâ€1α regulates <i>Crp</i> expression. Aging Cell, 2011, 10, 305-317.	6.7	21
42	Dissecting systemic control of metabolism and aging in the NAD World: The importance of SIRT1 and NAMPTâ€mediated NAD biosynthesis. FEBS Letters, 2011, 585, 1657-1662.	2.8	94
43	Nicotinamide Mononucleotide, a Key NAD+ Intermediate, Treats the Pathophysiology of Diet- and Age-Induced Diabetes in Mice. Cell Metabolism, 2011, 14, 528-536.	16.2	1,037
44	Toward Productive Aging: SIRT1, Systemic NAD Biosynthesis, and the NAD World. Cornea, 2010, 29, S7-S12.	1.7	1
45	"Clocks―in the NAD World: NAD as a metabolic oscillator for the regulation of metabolism and aging. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2010, 1804, 1584-1590.	2.3	109
46	Dietary Restriction: Standing Up for Sirtuins. Science, 2010, 329, 1012-1013.	12.6	63
47	SIRT1 Promotes the Central Adaptive Response to Diet Restriction through Activation of the Dorsomedial and Lateral Nuclei of the Hypothalamus. Journal of Neuroscience, 2010, 30, 10220-10232.	3.6	217
48	A possibility of nutriceuticals as an anti-aging intervention: Activation of sirtuins by promoting mammalian NAD biosynthesis. Pharmacological Research, 2010, 62, 42-47.	7.1	78
49	A Clock Ticks in Pancreatic β Cells. Cell Metabolism, 2010, 12, 107-108.	16.2	7
50	Ten years of NAD-dependent SIR2 family deacetylases: implications for metabolic diseases. Trends in Pharmacological Sciences, 2010, 31, 212-220.	8.7	393
51	Therapeutic potential of SIRT1 and NAMPT-mediated NAD biosynthesis in type 2 diabetes. Frontiers in Bioscience - Landmark, 2009, Volume, 2983.	3.0	64
52	The NAD World: A New Systemic Regulatory Network for Metabolism and Aging—Sirt1, Systemic NAD Biosynthesis, and Their Importance. Cell Biochemistry and Biophysics, 2009, 53, 65-74.	1.8	176
53	Circadian Clock Feedback Cycle Through NAMPT-Mediated NAD ⁺ Biosynthesis. Science, 2009, 324, 651-654.	12.6	992
54	From heterochromatin islands to the NAD World: A hierarchical view of aging through the functions of mammalian Sirt1 and systemic NAD biosynthesis. Biochimica Et Biophysica Acta - General Subjects, 2009, 1790, 997-1004.	2.4	35

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55	Nampt: linking NAD biology, metabolism and cancer. Trends in Endocrinology and Metabolism, 2009, 20, 130-138.	7.1	347
56	SIRT1 and caloric restriction: an insight into possible trade-offs between robustness and frailty. Current Opinion in Clinical Nutrition and Metabolic Care, 2009, 12, 350-356.	2.5	46
57	Nicotinamide Phosphoribosyltransferase (Nampt): A Link Between NAD Biology, Metabolism, and Diseases. Current Pharmaceutical Design, 2009, 15, 20-28.	1.9	188
58	Ageâ€associated loss of Sirt1â€mediated enhancement of glucoseâ€stimulated insulin secretion in beta cellâ€specific Sirt1â€overexpressing (BESTO) mice. Aging Cell, 2008, 7, 78-88.	6.7	283
59	Extracellular Nampt Promotes Macrophage Survival via a Nonenzymatic Interleukin-6/STAT3 Signaling Mechanism. Journal of Biological Chemistry, 2008, 283, 34833-34843.	3.4	174
60	The regulation of nicotinamide adenine dinucleotide biosynthesis by Nampt/PBEF/visfatin in mammals. Current Opinion in Gastroenterology, 2007, 23, 164-170.	2.3	240
61	Nampt/PBEF/Visfatin Regulates Insulin Secretion in β Cells as a Systemic NAD Biosynthetic Enzyme. Cell Metabolism, 2007, 6, 363-375.	16.2	785
62	Is Sirt1 a miracle bullet for longevity?. Aging Cell, 2007, 6, 735-737.	6.7	17
63	Sirt1 as a key regulator orchestrating the response to caloric restriction. Drug Discovery Today Disease Mechanisms, 2006, 3, 11-17.	0.8	9
64	Structure of Nampt/PBEF/visfatin, a mammalian NAD+ biosynthetic enzyme. Nature Structural and Molecular Biology, 2006, 13, 661-662.	8.2	247
65	Poly(ADP-ribose) Polymerase-1-dependent Cardiac Myocyte Cell Death during Heart Failure Is Mediated by NAD+ Depletion and Reduced Sir2α Deacetylase Activity. Journal of Biological Chemistry, 2005, 280, 43121-43130.	3.4	358
66	Increased dosage of mammalian Sir2 in pancreatic β cells enhances glucose-stimulated insulin secretion in mice. Cell Metabolism, 2005, 2, 105-117.	16.2	575
67	Silent Information Regulator 2α, a Longevity Factor and Class III Histone Deacetylase, Is an Essential Endogenous Apoptosis Inhibitor in Cardiac Myocytes. Circulation Research, 2004, 95, 971-980.	4.5	292
68	The NAD Biosynthesis Pathway Mediated by Nicotinamide Phosphoribosyltransferase Regulates Sir2 Activity in Mammalian Cells. Journal of Biological Chemistry, 2004, 279, 50754-50763.	3.4	831
69	Negative Control of p53 by Sir2α Promotes Cell Survival under Stress. Cell, 2001, 107, 137-148.	28.9	2,014
70	hSIR2SIRT1 Functions as an NAD-Dependent p53 Deacetylase. Cell, 2001, 107, 149-159.	28.9	2,429
71	Transcriptional silencing and longevity protein Sir2 is an NAD-dependent histone deacetylase. Nature, 2000, 403, 795-800.	27.8	3,142
72	PCCX1, a Novel DNA-Binding Protein with PHD Finger and CXXC Domain, Is Regulated by Proteolysis. Biochemical and Biophysical Research Communications, 2000, 271, 305-310.	2.1	5

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73	Transposon-mediated insertional mutagenesis of the D-alanyl-lipoteichoic acid (dlt) operon raises methicillin resistance in Staphylococcus aureus. Research in Microbiology, 2000, 151, 823-829.	2.1	26
74	The two-process model of cellular aging. Experimental Gerontology, 1998, 33, 393-419.	2.8	15
75	Dissociation of Oct-1 from the Nuclear Peripheral Structure Induces the Cellular Aging-associated Collagenase Gene Expression. Molecular Biology of the Cell, 1997, 8, 2407-2419.	2.1	94
76	Induction of mcl1/EAT, Bcl-2 Related Gene, by Retinoic Acid or Heat Shock in the Human Embryonal Carcinoma Cells, NCR-G3 Cell Structure and Function, 1996, 21, 143-150.	1.1	21
77	Expression of a MADS box gene, MEF2D, in neurons of the mouse central nervous system: implication of its binary function in myogenic and neurogenic cell lineages. Neuroscience Letters, 1995, 200, 117-120.	2.1	41
78	Escape from in vitro aging in SV40 large T antigen-transformed human diploid cells: A key event responsible for immortalization occurs during crisis. Mechanisms of Ageing and Development, 1993, 69, 149-158.	4.6	11
79	Loss of collagenase gene expression in immortalized clones of SV40 T antigen-transformed human diploid fibroblasts. Biochemical and Biophysical Research Communications, 1992, 189, 148-153.	2.1	21