

Nicotinamide N-methyltransferase knockdown protect

Nature

508, 258-262

DOI: [10.1038/nature13198](https://doi.org/10.1038/nature13198)

Citation Report

#	ARTICLE	IF	CITATIONS
1	Epigenetics: an accessible mechanism through which to track and respond to an obesogenic environment. <i>Expert Review of Endocrinology and Metabolism</i> , 2014, 9, 605-614.	1.2	6
3	Targeting a fat-accumulation gene. <i>Nature</i> , 2014, 508, 194-195.	13.7	9
4	Big brains, meat, tuberculosis and the nicotinamide switches: Co-evolutionary relationships with modern repercussions on longevity and disease?. <i>Medical Hypotheses</i> , 2014, 83, 79-87.	0.8	12
5	Association between irisin and homocysteine in euglycemic and diabetic subjects. <i>Clinical Biochemistry</i> , 2014, 47, 333-335.	0.8	34
6	Metabolomic strategies to map functions of metabolic pathways. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014, 307, E237-E244.	1.8	8
7	Exploring Metabolic Pathways and Regulation through Functional Chemoproteomic and Metabolomic Platforms. <i>Chemistry and Biology</i> , 2014, 21, 1171-1184.	6.2	19
8	Hepatic proteomic analysis revealed altered metabolic pathways in insulin resistant Akt1 ^{+/Δ} /Akt2 ^Δ /Δ ⁺ mice. <i>Metabolism: Clinical and Experimental</i> , 2015, 64, 1694-1703.	1.5	9
9	Dynamics of NAD-metabolism: everything but constant. <i>Biochemical Society Transactions</i> , 2015, 43, 1127-1132.	1.6	45
10	Epigenetics of obesity. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2015, 18, 361-366.	1.3	39
11	Human Adipose Cells In Vitro Are Either Refractory or Responsive to Insulin, Reflecting Host Metabolic State. <i>PLoS ONE</i> , 2015, 10, e0119291.	1.1	10
12	High-Resolution Metabolomics with Acyl-CoA Profiling Reveals Widespread Remodeling in Response to Diet*. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 1489-1500.	2.5	95
13	Acetyl Coenzyme A: A Central Metabolite and Second Messenger. <i>Cell Metabolism</i> , 2015, 21, 805-821.	7.2	963
14	NAD ⁺ in aging, metabolism, and neurodegeneration. <i>Science</i> , 2015, 350, 1208-1213.	6.0	887
15	The metabolome regulates the epigenetic landscape during naive-to-primed human embryonic stem cell transition. <i>Nature Cell Biology</i> , 2015, 17, 1523-1535.	4.6	360
16	Enhanced insulin sensitivity in skeletal muscle and liver by physiological overexpression of SIRT6. <i>Molecular Metabolism</i> , 2015, 4, 846-856.	3.0	47
17	Calorie Restriction Prevents Metabolic Aging Caused by Abnormal SIRT1 Function in Adipose Tissues. <i>Diabetes</i> , 2015, 64, 1576-1590.	0.3	32
18	Nutritional strategy to prevent fatty liver and insulin resistance independent of obesity by reducing glucose-dependent insulinotropic polypeptide responses in mice. <i>Diabetologia</i> , 2015, 58, 374-383.	2.9	31
19	Increasing NAD Synthesis in Muscle via Nicotinamide Phosphoribosyltransferase Is Not Sufficient to Promote Oxidative Metabolism. <i>Journal of Biological Chemistry</i> , 2015, 290, 1546-1558.	1.6	79

#	ARTICLE	IF	CITATIONS
20	Association between circulating irisin and homocysteine in patients with nonalcoholic fatty liver disease. <i>Endocrine</i> , 2015, 49, 560-562.	1.1	16
21	How the Environment Influences Epigenetics, DNA Methylation, and Autoimmune Diseases. , 2015, , 467-485.		8
22	Association of nicotinamide-N-methyltransferase mRNA expression in human adipose tissue and the plasma concentration of its product, 1-methylnicotinamide, with insulin resistance. <i>Diabetologia</i> , 2015, 58, 799-808.	2.9	98
23	Mice expressing reduced levels of hepatic glucose-6-phosphatase-1 activity do not develop age-related insulin resistance or obesity. <i>Human Molecular Genetics</i> , 2015, 24, 5115-5125.	1.4	16
24	NNMT: A Bad Actor in Fat Makes Good in Liver. <i>Cell Metabolism</i> , 2015, 22, 200-201.	7.2	39
25	An update on the validity of irisin assays and the link between irisin and hepatic metabolism. <i>Metabolism: Clinical and Experimental</i> , 2015, 64, 937-942.	1.5	50
26	Management of nicotinamide N-methyltransferase overexpression: inhibit the enzyme or reduce nicotinamide intake? Reply to Zhou S, Li D, Zhou Y [letter]. <i>Diabetologia</i> , 2015, 58, 2193-2194.	2.9	1
27	Nicotinamide N-methyltransferase regulates hepatic nutrient metabolism through Sirt1 protein stabilization. <i>Nature Medicine</i> , 2015, 21, 887-894.	15.2	181
28	NAD ⁺ Metabolism and the Control of Energy Homeostasis: A Balancing Act between Mitochondria and the Nucleus. <i>Cell Metabolism</i> , 2015, 22, 31-53.	7.2	1,153
29	Expression of Syntaxin 8 in Visceral Adipose Tissue Is Increased in Obese Patients with Type 2 Diabetes and Related to Markers of Insulin Resistance and Inflammation. <i>Archives of Medical Research</i> , 2015, 46, 47-53.	1.5	10
30	Potential Involvement of Nicotinamide N-Methyltransferase in the Pathogenesis of Metabolic Syndrome. <i>Metabolic Syndrome and Related Disorders</i> , 2015, 13, 165-170.	0.5	19
31	Formation and activation of thermogenic fat. <i>Trends in Genetics</i> , 2015, 31, 232-238.	2.9	29
32	The human NAD metabolome: Functions, metabolism and compartmentalization. <i>Critical Reviews in Biochemistry and Molecular Biology</i> , 2015, 50, 284-297.	2.3	183
33	Histone Methylation Dynamics and Gene Regulation Occur through the Sensing of One-Carbon Metabolism. <i>Cell Metabolism</i> , 2015, 22, 861-873.	7.2	481
34	Serum N ¹ -Methylnicotinamide Is Associated With Obesity and Diabetes in Chinese. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2015, 100, 3112-3117.	1.8	65
35	s-Adenosylmethionine Levels Govern Innate Immunity through Distinct Methylation-Dependent Pathways. <i>Cell Metabolism</i> , 2015, 22, 633-645.	7.2	105
36	Loss of the RNA polymerase III repressor MAF1 confers obesity resistance. <i>Genes and Development</i> , 2015, 29, 934-947.	2.7	99
37	Celastrol Protects against Obesity and Metabolic Dysfunction through Activation of a HSF1-PGC1 α Transcriptional Axis. <i>Cell Metabolism</i> , 2015, 22, 695-708.	7.2	272

#	ARTICLE	IF	CITATIONS
38	Physiological Study on Association between Nicotinamide N-Methyltransferase Gene Polymorphisms and Hyperlipidemia. <i>BioMed Research International</i> , 2016, 2016, 1-8.	0.9	13
39	Interleukin-17A Differentially Induces Inflammatory and Metabolic Gene Expression in the Adipose Tissues of Lean and Obese Mice. <i>International Journal of Molecular Sciences</i> , 2016, 17, 522.	1.8	21
40	Activation of the nicotinamide N-methyltransferase (NNMT)-1-methylnicotinamide (MNA) pathway in pulmonary hypertension. <i>Respiratory Research</i> , 2016, 17, 108.	1.4	27
41	Mouse aldehyde-oxidase-4 controls diurnal rhythms, fat deposition and locomotor activity. <i>Scientific Reports</i> , 2016, 6, 30343.	1.6	15
42	Urinary N-methylnicotinamide and $\hat{1}^2$ -aminoisobutyric acid predict catch-up growth in undernourished Brazilian children. <i>Scientific Reports</i> , 2016, 6, 19780.	1.6	56
43	Dietary fat overcomes the protective activity of thrombospondin-1 signaling in the <i>ApcMin/+</i> model of colon cancer. <i>Oncogenesis</i> , 2016, 5, e230-e230.	2.1	18
44	Biochemistry and Enzymology of Sirtuins. , 2016, , 1-27.		1
45	Systemic Characterization of an Obese Phenotype in the Zucker Rat Model Defining Metabolic Axes of Energy Metabolism and Hostâ€™Microbial Interactions. <i>Journal of Proteome Research</i> , 2016, 15, 1897-1906.	1.8	16
46	AMPK Activation by Metformin Suppresses Abnormal Extracellular Matrix Remodeling in Adipose Tissue and Ameliorates Insulin Resistance in Obesity. <i>Diabetes</i> , 2016, 65, 2295-2310.	0.3	132
47	Tissue-specific regulation of sirtuin and nicotinamide adenine dinucleotide biosynthetic pathways identified in C57Bl/6 mice in response to high-fat feeding. <i>Journal of Nutritional Biochemistry</i> , 2016, 37, 20-29.	1.9	30
48	Chemical Proteomic Profiling of Human Methyltransferases. <i>Journal of the American Chemical Society</i> , 2016, 138, 13335-13343.	6.6	79
49	Metabolic Control of Longevity. <i>Cell</i> , 2016, 166, 802-821.	13.5	591
50	Oneâ€™carbon metabolism and epigenetics: understanding the specificity. <i>Annals of the New York Academy of Sciences</i> , 2016, 1363, 91-98.	1.8	289
51	Long-term treatment with nicotinamide induces glucose intolerance and skeletal muscle lipotoxicity in normal chow-fed mice: compared to diet-induced obesity. <i>Journal of Nutritional Biochemistry</i> , 2016, 36, 31-41.	1.9	29
52	A Rapid and Efficient Assay for the Characterization of Substrates and Inhibitors of Nicotinamide <i><i>N</i></i> -Methyltransferase. <i>Biochemistry</i> , 2016, 55, 5307-5315.	1.2	44
53	Slowing ageing by design: the rise of NAD ⁺ and sirtuin-activating compounds. <i>Nature Reviews Molecular Cell Biology</i> , 2016, 17, 679-690.	16.1	583
54	High Glucose Induces Reactivation of Latent Kaposi's Sarcoma-Associated Herpesvirus. <i>Journal of Virology</i> , 2016, 90, 9654-9663.	1.5	25
55	NAD ⁺ repletion improves muscle function in muscular dystrophy and counters global PARylation. <i>Science Translational Medicine</i> , 2016, 8, 361ra139.	5.8	208

#	ARTICLE	IF	CITATIONS
56	The sirtuins: Markers of metabolic health. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 79-91.	1.5	38
57	Metabolic control of methylation and acetylation. <i>Current Opinion in Chemical Biology</i> , 2016, 30, 52-60.	2.8	241
58	Metabolomic profiling of urinary changes in mice with monosodium glutamate-induced obesity. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 567-578.	1.9	26
59	PGC1 α drives NAD biosynthesis linking oxidative metabolism to renal protection. <i>Nature</i> , 2016, 531, 528-532.	13.7	395
60	Disruption of Adipose Rab10-Dependent Insulin Signaling Causes Hepatic Insulin Resistance. <i>Diabetes</i> , 2016, 65, 1577-1589.	0.3	46
61	Eliciting the mitochondrial unfolded protein response by nicotinamide adenine dinucleotide repletion reverses fatty liver disease in mice. <i>Hepatology</i> , 2016, 63, 1190-1204.	3.6	289
62	Vitamin D decreases adipocyte lipid storage and increases NAD-SIRT1 pathway in 3T3-L1 adipocytes. <i>Nutrition</i> , 2016, 32, 702-708.	1.1	74
63	An assessment of molecular pathways of obesity susceptible to nutrient, toxicant and genetically induced epigenetic perturbation. <i>Journal of Nutritional Biochemistry</i> , 2016, 30, 1-13.	1.9	17
64	Protein acetylation in metabolism – metabolites and cofactors. <i>Nature Reviews Endocrinology</i> , 2016, 12, 43-60.	4.3	236
65	Berry intake changes hepatic gene expression and DNA methylation patterns associated with high-fat diet. <i>Journal of Nutritional Biochemistry</i> , 2016, 27, 79-95.	1.9	25
66	Influence of exercises using different energy metabolism systems on NNMT expression in different types of skeletal muscle fibers. <i>Science and Sports</i> , 2017, 32, 27-32.	0.2	8
67	Interplay between epigenetics and metabolism in oncogenesis: mechanisms and therapeutic approaches. <i>Oncogene</i> , 2017, 36, 3359-3374.	2.6	219
68	Protection against High-Fat-Diet-Induced Obesity in MDM2 C305F Mice Due to Reduced p53 Activity and Enhanced Energy Expenditure. <i>Cell Reports</i> , 2017, 18, 1005-1018.	2.9	49
69	Noncoupled Fluorescent Assay for Direct Real-Time Monitoring of Nicotinamide N-Methyltransferase Activity. <i>Biochemistry</i> , 2017, 56, 824-832.	1.2	24
70	Effects of a wide range of dietary nicotinamide riboside (NR) concentrations on metabolic flexibility and white adipose tissue (WAT) of mice fed a mildly obesogenic diet. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600878.	1.5	46
71	Targeting CASP8 and FADD-like apoptosis regulator ameliorates nonalcoholic steatohepatitis in mice and nonhuman primates. <i>Nature Medicine</i> , 2017, 23, 439-449.	15.2	183
72	Nicotinamide N-Methyltransferase: More Than a Vitamin B3 Clearance Enzyme. <i>Trends in Endocrinology and Metabolism</i> , 2017, 28, 340-353.	3.1	172
73	EPAS1 is a critical mTORC1-S6K1 effector that influences adiposity in mice. <i>Nature</i> , 2017, 542, 357-361.	13.7	130

#	ARTICLE	IF	CITATIONS
74	Serum <i>N</i> -methyl- <i>N</i> -methylmethanamine is Associated With Coronary Artery Disease in Chinese Patients. <i>Journal of the American Heart Association</i> , 2017, 6, .	1.6	12
75	Nicotinamide N-Methyltransferase Suppression Participates in Nickel-Induced Histone H3 Lysine9 Dimethylation in BEAS-2B Cells. <i>Cellular Physiology and Biochemistry</i> , 2017, 41, 2016-2026.	1.1	7
76	Tmbim1 is a multivesicular body regulator that protects against non-alcoholic fatty liver disease in mice and monkeys by targeting the lysosomal degradation of Tlr4. <i>Nature Medicine</i> , 2017, 23, 742-752.	15.2	113
77	Associations of nicotinamide N-methyltransferase gene single nucleotide polymorphisms with sport performance and relative maximal oxygen uptake. <i>Journal of Sports Sciences</i> , 2017, 35, 2185-2190.	1.0	6
78	Acute Consumption of Flavan-3-ol-Enriched Dark Chocolate Affects Human Endogenous Metabolism. <i>Journal of Proteome Research</i> , 2017, 16, 2516-2526.	1.8	14
79	Structure-Activity Relationship for Small Molecule Inhibitors of Nicotinamide <i>N</i> -Methyltransferase. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 5015-5028.	2.9	53
80	Association between urinary metabolic profile and the intestinal effects of cocoa in rats. <i>British Journal of Nutrition</i> , 2017, 117, 623-634.	1.2	17
81	Tissue-specific NETs alter genome organization and regulation even in a heterologous system. <i>Nucleus</i> , 2017, 8, 81-97.	0.6	35
82	Adipose tissue NAD ⁺ biology in obesity and insulin resistance: From mechanism to therapy. <i>BioEssays</i> , 2017, 39, 1600227.	1.2	59
83	Redox imbalance and mitochondrial abnormalities in the diabetic lung. <i>Redox Biology</i> , 2017, 11, 51-59.	3.9	64
84	Adropin deficiency worsens HFD-induced metabolic defects. <i>Cell Death and Disease</i> , 2017, 8, e3008-e3008.	2.7	42
85	Antisense oligonucleotide and thyroid hormone conjugates for obesity treatment. <i>Scientific Reports</i> , 2017, 7, 9307.	1.6	11
86	Crystal structures of monkey and mouse nicotinamide N-methyltransferase (NNMT) bound with end product, 1-methyl nicotinamide. <i>Biochemical and Biophysical Research Communications</i> , 2017, 491, 416-422.	1.0	8
87	Role of Nicotinamide N-Methyltransferase in Dorsal Striatum in Cocaine Place Preference. <i>Neuropsychopharmacology</i> , 2017, 42, 2333-2343.	2.8	6
88	Inhibitors of nicotinamide N-methyltransferase designed to mimic the methylation reaction transition state. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6656-6667.	1.5	42
89	Pancreatic mitochondrial complex I exhibits aberrant hyperactivity in diabetes. <i>Biochemistry and Biophysics Reports</i> , 2017, 11, 119-129.	0.7	40
90	Modulating NAD ⁺ metabolism, from bench to bedside. <i>EMBO Journal</i> , 2017, 36, 2670-2683.	3.5	174
91	Pyroloquinoline Quinone, a Redox-Active <i>o</i> -Quinone, Stimulates Mitochondrial Biogenesis by Activating the SIRT1/PGC-1 α Signaling Pathway. <i>Biochemistry</i> , 2017, 56, 6615-6625.	1.2	42

#	ARTICLE	IF	CITATIONS
92	Plasma metabolomic profile varies with glucocorticoid dose in patients with congenital adrenal hyperplasia. <i>Scientific Reports</i> , 2017, 7, 17092.	1.6	13
93	Meat Intake and the Dose of Vitamin B ₃ â€“ Nicotinamide: Cause of the Causes of Disease Transitions, Health Divides, and Health Futures?. <i>International Journal of Tryptophan Research</i> , 2017, 10, 117864691770466.	1.0	17
94	1-Carbon Cycle Metabolites Methylate Their Way to Fatty Liver. <i>Trends in Endocrinology and Metabolism</i> , 2017, 28, 63-72.	3.1	29
95	Nicotinamide adenine dinucleotide biosynthesis promotes liver regeneration. <i>Hepatology</i> , 2017, 65, 616-630.	3.6	87
96	NAD and the aging process: Role in life, death and everything in between. <i>Molecular and Cellular Endocrinology</i> , 2017, 455, 62-74.	1.6	152
97	Epigenetic Regulation of the Thermogenic Adipose Program. <i>Trends in Endocrinology and Metabolism</i> , 2017, 28, 19-31.	3.1	28
98	Nicotinamide Nâ€“methyltransferase expression decreases in iron overload, exacerbating toxicity in mouse hepatocytes. <i>Hepatology Communications</i> , 2017, 1, 803-815.	2.0	4
99	Nicotinamide N-Methyltransferase in Health and Cancer. <i>International Journal of Tryptophan Research</i> , 2017, 10, 117864691769173.	1.0	15
100	The Inhibitory Effects of Purple Sweet Potato Color on Hepatic Inflammation Is Associated with Restoration of NAD ⁺ Levels and Attenuation of NLRP3 Inflammasome Activation in High-Fat-Diet-Treated Mice. <i>Molecules</i> , 2017, 22, 1315.	1.7	39
101	Calorie Restriction Mimetics From Functional Foods. , 2017, , 257-271.		2
102	Global Fecal and Plasma Metabolic Dynamics Related to <i>Helicobacter pylori</i> Eradication. <i>Frontiers in Microbiology</i> , 2017, 8, 536.	1.5	7
103	Association between Nicotinamide N-Methyltransferase Gene Polymorphisms and Obesity in Chinese Han Male College Students. <i>BioMed Research International</i> , 2017, 2017, 1-6.	0.9	5
104	Cross-modulation of pathogen-specific pathways enhances malnutrition during enteric co-infection with <i>Giardia lamblia</i> and enteroaggregative <i>Escherichia coli</i> . <i>PLoS Pathogens</i> , 2017, 13, e1006471.	2.1	68
105	Glucose deprivation elicits phenotypic plasticity via ZEB1-mediated expression of NNMT. <i>Oncotarget</i> , 2017, 8, 26200-26220.	0.8	38
106	Therapeutic Potential of NAD-Boosting Molecules: The InVivo Evidence. <i>Cell Metabolism</i> , 2018, 27, 529-547.	7.2	565
107	The Pharmacology of CD38/NADase: An Emerging Target in Cancer and Diseases of Aging. <i>Trends in Pharmacological Sciences</i> , 2018, 39, 424-436.	4.0	163
108	A small molecule inhibitor of Nicotinamide N-methyltransferase for the treatment of metabolic disorders. <i>Scientific Reports</i> , 2018, 8, 3660.	1.6	64
109	Loss of OcaB Prevents Age-Induced Fat Accretion and Insulin Resistance by Altering B-Lymphocyte Transition and Promoting Energy Expenditure. <i>Diabetes</i> , 2018, 67, 1285-1296.	0.3	25

#	ARTICLE	IF	CITATIONS
110	Targeting sphingosine-1-phosphate lyase as an anabolic therapy for bone loss. <i>Nature Medicine</i> , 2018, 24, 667-678.	15.2	93
111	Covalent inhibitors of nicotinamide N-methyltransferase (NNMT) provide evidence for target engagement challenges in situ. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 2682-2687.	1.0	21
112	The Rheumatoid Arthritis-Associated Citrullinome. <i>Cell Chemical Biology</i> , 2018, 25, 691-704.e6.	2.5	158
113	N1-methylnicotinamide is a signalling molecule produced in skeletal muscle coordinating energy metabolism. <i>Scientific Reports</i> , 2018, 8, 3016.	1.6	42
114	Novel nicotinamide analog as inhibitor of nicotinamide N-methyltransferase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 922-925.	1.0	30
115	A role for long-chain acyl-CoA synthetase-4 (ACSL4) in diet-induced phospholipid remodeling and obesity-associated adipocyte dysfunction. <i>Molecular Metabolism</i> , 2018, 9, 43-56.	3.0	84
116	Spermidine in health and disease. <i>Science</i> , 2018, 359, .	6.0	616
117	Discovery of Bisubstrate Inhibitors of Nicotinamide N-Methyltransferase (NNMT). <i>Journal of Medicinal Chemistry</i> , 2018, 61, 1541-1551.	2.9	53
118	Metabolomics study on the association between nicotinamide N-methyltransferase gene polymorphisms and type 2 diabetes. <i>International Journal of Diabetes in Developing Countries</i> , 2018, 38, 409-416.	0.3	3
119	NAD + Modulation. , 2018, , 27-44.		0
120	An Epigenetic Signature in Adipose Tissue Is Linked to Nicotinamide N-Methyltransferase Gene Expression. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1700933.	1.5	26
121	Spermidine/spermine N1-acetyltransferase-mediated polyamine catabolism regulates beige adipocyte biogenesis. <i>Metabolism: Clinical and Experimental</i> , 2018, 85, 298-304.	1.5	33
122	Type 2 diabetes-related proteins derived from an in vitro model of inflamed fat tissue. <i>Archives of Biochemistry and Biophysics</i> , 2018, 644, 81-92.	1.4	12
123	Nutritional Control of Stem Cell Division through S-Adenosylmethionine in <i>Drosophila</i> Intestine. <i>Developmental Cell</i> , 2018, 44, 741-751.e3.	3.1	79
124	B Vitamins Can Reduce Body Weight Gain by Increasing Metabolism-related Enzyme Activities in Rats Fed on a High-Fat Diet. <i>Current Medical Science</i> , 2018, 38, 174-183.	0.7	9
125	Identification of urine metabolites associated with 5-year changes in biomarkers of glucose homeostasis. <i>Diabetes and Metabolism</i> , 2018, 44, 261-268.	1.4	16
126	Repairing Mitochondrial Dysfunction in Disease. <i>Annual Review of Pharmacology and Toxicology</i> , 2018, 58, 353-389.	4.2	198
127	Body weight predicts Nicotinamide N-Methyltransferase activity in mouse fat. <i>Endocrine Research</i> , 2018, 43, 55-63.	0.6	13

#	ARTICLE	IF	CITATIONS
128	Irisin in metabolic diseases. <i>Endocrine</i> , 2018, 59, 260-274.	1.1	178
129	Selective and membrane-permeable small molecule inhibitors of nicotinamide N-methyltransferase reverse high fat diet-induced obesity in mice. <i>Biochemical Pharmacology</i> , 2018, 147, 141-152.	2.0	56
130	Alleviation of fatty liver in a rat model by enhancing N1-methylnicotinamide bioavailability through aldehyde oxidase inhibition. <i>Biochemical and Biophysical Research Communications</i> , 2018, 507, 203-210.	1.0	20
131	NAD Metabolome Analysis in Human Cells Using 1H NMR Spectroscopy. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3906.	1.8	24
132	Stress-responsive and metabolic gene regulation are altered in low S-adenosylmethionine. <i>PLoS Genetics</i> , 2018, 14, e1007812.	1.5	24
133	LincRNA H19 protects from dietary obesity by constraining expression of monoallelic genes in brown fat. <i>Nature Communications</i> , 2018, 9, 3622.	5.8	120
134	Nicotinamide N-Methyltransferase Interacts with Enzymes of the Methionine Cycle and Regulates Methyl Donor Metabolism. <i>Biochemistry</i> , 2018, 57, 5775-5779.	1.2	35
135	Nicotinamide-N-methyltransferase controls behavior, neurodegeneration and lifespan by regulating neuronal autophagy. <i>PLoS Genetics</i> , 2018, 14, e1007561.	1.5	32
136	Synthesis of SAM-Adenosine Conjugates for the Study of m ⁶ A RNA Methyltransferases. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 4411-4425.	1.2	11
137	KDM4B protects against obesity and metabolic dysfunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E5566-E5575.	3.3	47
138	Methionine metabolism influences genomic architecture and gene expression through H3K4me3 peak width. <i>Nature Communications</i> , 2018, 9, 1955.	5.8	96
139	Effects of nicotinamide N-methyltransferase (NNMT) inhibition on the aerobic and the anaerobic endurance exercise capacity. <i>Science and Sports</i> , 2018, 33, e159-e165.	0.2	2
140	Regulatory Effects of NAD + Metabolic Pathways on Sirtuin Activity. <i>Progress in Molecular Biology and Translational Science</i> , 2018, 154, 71-104.	0.9	36
141	Inhibition of polyamine biosynthesis for toxicity control in <i>Serratia marcescens</i> strain WW4 by targeting ornithine decarboxylase: a structure-based virtual screening study. <i>International Journal of Computational Biology and Drug Design</i> , 2018, 11, 114.	0.3	4
142	Mechanisms of Insulin Action and Insulin Resistance. <i>Physiological Reviews</i> , 2018, 98, 2133-2223.	13.1	1,502
143	Perturbations of NAD ⁺ salvage systems impact mitochondrial function and energy homeostasis in mouse myoblasts and intact skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 314, E377-E395.	1.8	36
144	Citrullination Inactivates Nicotinamide-N-methyltransferase. <i>ACS Chemical Biology</i> , 2018, 13, 2663-2672.	1.6	20
145	Sink into the Epigenome: Histones as Repositories That Influence Cellular Metabolism. <i>Trends in Endocrinology and Metabolism</i> , 2018, 29, 626-637.	3.1	85

#	ARTICLE	IF	CITATIONS
146	Therapeutic potential of boosting NAD ⁺ in aging and age-related diseases. <i>Translational Medicine of Aging</i> , 2018, 2, 30-37.	0.6	57
147	NNMT depletion contributes to liver cancer cell survival by enhancing autophagy under nutrient starvation. <i>Oncogenesis</i> , 2018, 7, 58.	2.1	43
148	Kinetic Mechanism of Nicotinamide <i>N</i> -Methyltransferase. <i>Biochemistry</i> , 2018, 57, 5524-5532.	1.2	33
149	Organ memory: a key principle for understanding the pathophysiology of hypertension and other non-communicable diseases. <i>Hypertension Research</i> , 2018, 41, 771-779.	1.5	8
150	Metabolic signature of the aging eye in mice. <i>Neurobiology of Aging</i> , 2018, 71, 223-233.	1.5	69
151	MeNA, Controlled by Reversible Methylation of Nicotinate, Is an NAD Precursor that Undergoes Long-Distance Transport in Arabidopsis. <i>Molecular Plant</i> , 2018, 11, 1264-1277.	3.9	21
152	NNMT activation can contribute to the development of fatty liver disease by modulating the NAD ⁺ metabolism. <i>Scientific Reports</i> , 2018, 8, 8637.	1.6	72
153	S-Adenosylmethionine Metabolism and Aging. , 2018, , 59-93.		3
154	Serum N1-methylnicotinamide is Associated with Left Ventricular Systolic Dysfunction in Chinese. <i>Scientific Reports</i> , 2018, 8, 8581.	1.6	5
155	Chemical and Biochemical Perspectives of Protein Lysine Methylation. <i>Chemical Reviews</i> , 2018, 118, 6656-6705.	23.0	167
156	Obesogenic diets alter metabolism in mice. <i>PLoS ONE</i> , 2018, 13, e0190632.	1.1	59
157	A novel mouse model of <i>Campylobacter jejuni</i> enteropathy and diarrhea. <i>PLoS Pathogens</i> , 2018, 14, e1007083.	2.1	55
158	The Plasma NAD ⁺ Metabolome Is Dysregulated in "Normal" Aging. <i>Rejuvenation Research</i> , 2019, 22, 121-130.	0.9	137
159	Tryptophan Metabolism: A Versatile Area Providing Multiple Targets for Pharmacological Intervention. <i>Egyptian Journal of Basic and Clinical Pharmacology</i> , 2019, 9, .	0.7	35
160	Identification of evolutionary and kinetic drivers of NAD-dependent signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15957-15966.	3.3	43
161	Nicotinamide and Demographic and Disease transitions: Moderation is Best. <i>International Journal of Tryptophan Research</i> , 2019, 12, 117864691985594.	1.0	4
162	Bisubstrate Inhibitors of Nicotinamide <i>N</i> -Methyltransferase (NNMT) with Enhanced Activity. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 6597-6614.	2.9	54
163	BRCA1 Deficiency Upregulates NNMT, Which Reprograms Metabolism and Sensitizes Ovarian Cancer Cells to Mitochondrial Metabolic Targeting Agents. <i>Cancer Research</i> , 2019, 79, 5920-5929.	0.4	40

#	ARTICLE	IF	CITATIONS
164	High-Affinity Alkynyl Bisubstrate Inhibitors of Nicotinamide <i>N</i>-Methyltransferase (NNMT). <i>Journal of Medicinal Chemistry</i> , 2019, 62, 9837-9873.	2.9	41
165	Novel Propargyl-Linked Bisubstrate Analogues as Tight-Binding Inhibitors for Nicotinamide <i>N</i>-Methyltransferase. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 10783-10797.	2.9	40
166	N1-methylnicotinamide as a possible modulator of cardiovascular risk markers in polycystic ovary syndrome. <i>Life Sciences</i> , 2019, 235, 116843.	2.0	9
167	Methionine metabolism in health and cancer: a nexus of diet and precision medicine. <i>Nature Reviews Cancer</i> , 2019, 19, 625-637.	12.8	278
168	Nicotinamide and NAFLD: Is There Nothing New Under the Sun?. <i>Metabolites</i> , 2019, 9, 180.	1.3	18
169	Using metabolite profiling to construct and validate a metabolite risk score for predicting future weight gain. <i>PLoS ONE</i> , 2019, 14, e0222445.	1.1	7
170	Chemical toolbox for ¹³ C biochemistry to understand enzymatic functions in living systems. <i>Journal of Biochemistry</i> , 2019, 167, 139-149.	0.9	2
171	Energy Metabolism and Epigenetics. , 2019, , 1437-1466.		0
172	Spermidine and Voluntary Activity Exert Differential Effects on Sucrose- Compared with Fat-Induced Systemic Changes in Male Mice. <i>Journal of Nutrition</i> , 2019, 149, 451-462.	1.3	15
173	Identification of a six-gene signature predicting overall survival for hepatocellular carcinoma. <i>Cancer Cell International</i> , 2019, 19, 138.	1.8	135
174	Role of mitochondria in diabetic peripheral neuropathy: Influencing the NAD ⁺ -dependent SIRT1-PCG-1- β -TFAM pathway. <i>International Review of Neurobiology</i> , 2019, 145, 177-209.	0.9	84
175	Polyamines in mammalian pathophysiology. <i>Cellular and Molecular Life Sciences</i> , 2019, 76, 3987-4008.	2.4	47
176	Pharmacological Nicotinamide: Mechanisms Centered Around SIRT1 Activity. , 2019, , 781-799.		0
177	Computational de-orphanization of the olive oil biophenol oleacein: Discovery of new metabolic and epigenetic targets. <i>Food and Chemical Toxicology</i> , 2019, 131, 110529.	1.8	15
178	Nicotinamide N-methyltransferase enhances chemoresistance in breast cancer through SIRT1 protein stabilization. <i>Breast Cancer Research</i> , 2019, 21, 64.	2.2	72
179	Rapid Covalent-Probe Discovery by Electrophile-Fragment Screening. <i>Journal of the American Chemical Society</i> , 2019, 141, 8951-8968.	6.6	213
180	Proteomics reveals NNMT as a master metabolic regulator of cancer-associated fibroblasts. <i>Nature</i> , 2019, 569, 723-728.	13.7	330
181	Dysregulated transmethylation leading to hepatocellular carcinoma compromises redox homeostasis and glucose formation. <i>Molecular Metabolism</i> , 2019, 23, 1-13.	3.0	8

#	ARTICLE	IF	CITATIONS
182	Exposure to disinfection byproducts and risk of type 2 diabetes: a nested case-control study in the HUNT and Lifelines cohorts. <i>Metabolomics</i> , 2019, 15, 60.	1.4	14
183	Dietary and Gut Microbiota Polyamines in Obesity- and Age-Related Diseases. <i>Frontiers in Nutrition</i> , 2019, 6, 24.	1.6	133
184	Development of a Suicide Inhibition-Based Protein Labeling Strategy for Nicotinamide N-Methyltransferase. <i>ACS Chemical Biology</i> , 2019, 14, 613-618.	1.6	11
185	Small molecule nicotinamide N-methyltransferase inhibitor activates senescent muscle stem cells and improves regenerative capacity of aged skeletal muscle. <i>Biochemical Pharmacology</i> , 2019, 163, 481-492.	2.0	50
186	Urban colonization through multiple genetic lenses: The city fox phenomenon revisited. <i>Ecology and Evolution</i> , 2019, 9, 2046-2060.	0.8	28
187	Niacin: an old lipid drug in a new NAD+ dress. <i>Journal of Lipid Research</i> , 2019, 60, 741-746.	2.0	40
188	NAD+ augmentation restores mitophagy and limits accelerated aging in Werner syndrome. <i>Nature Communications</i> , 2019, 10, 5284.	5.8	165
189	NAD metabolism and the SLC34 family: evidence for a liver-kidney axis regulating inorganic phosphate. <i>Pflügers Archiv European Journal of Physiology</i> , 2019, 471, 109-122.	1.3	12
190	The chemistry of the vitamin B3 metabolome. <i>Biochemical Society Transactions</i> , 2019, 47, 131-147.	1.6	48
191	Genetic Nicotinamide N-Methyltransferase (<i>Nnmt</i>) Deficiency in Male Mice Improves Insulin Sensitivity in Diet-Induced Obesity but Does Not Affect Glucose Tolerance. <i>Diabetes</i> , 2019, 68, 527-542.	0.3	45
192	Poly(ADP-Ribose) Polymerases in Host-Pathogen Interactions, Inflammation, and Immunity. <i>Microbiology and Molecular Biology Reviews</i> , 2019, 83, .	2.9	31
193	Type 2 Diabetes Is Associated with a Different Pattern of Serum Polyamines: A Case-control Study from the PREDIMED-Plus Trial. <i>Journal of Clinical Medicine</i> , 2019, 8, 71.	1.0	31
194	NAD+ homeostasis in renal health and disease. <i>Nature Reviews Nephrology</i> , 2020, 16, 99-111.	4.1	170
195	The complexity of the serine glycine one-carbon pathway in cancer. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	71
196	Increased Drp1 Acetylation by Lipid Overload Induces Cardiomyocyte Death and Heart Dysfunction. <i>Circulation Research</i> , 2020, 126, 456-470.	2.0	128
197	NAD+ metabolism: pathophysiologic mechanisms and therapeutic potential. <i>Signal Transduction and Targeted Therapy</i> , 2020, 5, 227.	7.1	386
198	Comparative Proteomic Profiling of 3T3-L1 Adipocyte Differentiation Using SILAC Quantification. <i>Journal of Proteome Research</i> , 2020, 19, 4884-4900.	1.8	5
199	Associations of nicotinamide-N-methyltransferase, FTO, and IRX3 genetic variants with body mass index and resting energy expenditure in Mexican subjects. <i>Scientific Reports</i> , 2020, 10, 11478.	1.6	9

#	ARTICLE	IF	CITATIONS
200	Nicotinamide N-Methyltransferase: Genomic Connection to Disease. International Journal of Tryptophan Research, 2020, 13, 117864692091977.	1.0	11
201	Investigating the Role of Diet and Exercise in Gut Microbe-Host Cometabolism. MSystems, 2020, 5, .	1.7	11
202	Healthy Lifestyle Recommendations: Do the Beneficial Effects Originate from NAD+ Amount at the Cellular Level?. Oxidative Medicine and Cellular Longevity, 2020, 2020, 1-12.	1.9	13
203	Nicotinamide N-methyltransferase decreases 5-fluorouracil sensitivity in human esophageal squamous cell carcinoma through metabolic reprogramming and promoting the Warburg effect. Molecular Carcinogenesis, 2020, 59, 940-954.	1.3	26
204	Low-Dose Sorafenib Acts as a Mitochondrial Uncoupler and Ameliorates Nonalcoholic Steatohepatitis. Cell Metabolism, 2020, 31, 892-908.e11.	7.2	92
205	ER stress-induced upregulation of NNMT contributes to alcohol-related fatty liver development. Journal of Hepatology, 2020, 73, 783-793.	1.8	66
206	Proteome characteristics of liver tissue from patients with parenteral nutrition-associated liver disease. Nutrition and Metabolism, 2020, 17, 43.	1.3	6
207	Nicotinamide N-methyltransferase inhibits autophagy induced by oxidative stress through suppressing the AMPK pathway in breast cancer cells. Cancer Cell International, 2020, 20, 191.	1.8	17
208	Equivalent change enrichment analysis: assessing equivalent and inverse change in biological pathways between diverse experiments. BMC Genomics, 2020, 21, 180.	1.2	2
209	Development of fluorescence polarization-based competition assay for nicotinamide N-methyltransferase. Analytical Biochemistry, 2020, 604, 113833.	1.1	15
210	Solvent inhibition profiles and inverse solvent isotope effects for enzymatic methyl transfer catalyzed by nicotinamide N-methyltransferase. Journal of Physical Organic Chemistry, 2020, 33, e4093.	0.9	2
211	Identification of rare variants in CADM1 in patients with anorexia nervosa. Psychiatry Research, 2020, 291, 113191.	1.7	1
212	Glucose availability regulates nicotinamide N-methyltransferase expression in adipocytes. Life Sciences, 2020, 248, 117474.	2.0	9
213	Synthesis and physicochemical properties of 20-mer peptide nucleic acid conjugates with testosterone 17 β -carboxylic acid. Tetrahedron Letters, 2020, 61, 151781.	0.7	1
214	NAD+ homeostasis in health and disease. Nature Metabolism, 2020, 2, 9-31.	5.1	351
215	Depot-specific regulation of NAD+/SIRT6 metabolism identified in adipose tissue of mice in response to high-fat diet feeding or calorie restriction. Journal of Nutritional Biochemistry, 2020, 80, 108377.	1.9	17
216	Qian Yang Yu Yin Granule protects against hypertension-induced renal injury by epigenetic mechanism linked to Nicotinamide N-Methyltransferase (NNMT) expression. Journal of Ethnopharmacology, 2020, 255, 112738.	2.0	15
217	PGRC1 effects on metabolism, genomic mutation and CpG methylation imply crucial roles in animal biology and disease. BMC Molecular and Cell Biology, 2020, 21, 26.	1.0	16

#	ARTICLE	IF	CITATIONS
218	N ¹ -Methylnicotinamide Improves Hepatic Insulin Sensitivity via Activation of SIRT1 and Inhibition of FOXO1 Acetylation. <i>Journal of Diabetes Research</i> , 2020, 2020, 1-11.	1.0	18
219	Nicotinamide and its metabolite N1-Methylnicotinamide alleviate endocrine and metabolic abnormalities in adipose and ovarian tissues in rat model of Polycystic Ovary Syndrome. <i>Chemico-Biological Interactions</i> , 2020, 324, 109093.	1.7	32
220	Spermidine ameliorates high-fat diet-induced hepatic steatosis and adipose tissue inflammation in preexisting obese mice. <i>Life Sciences</i> , 2021, 265, 118739.	2.0	26
221	NAD ⁺ metabolism and its roles in cellular processes during ageing. <i>Nature Reviews Molecular Cell Biology</i> , 2021, 22, 119-141.	16.1	593
222	NNMT aggravates hepatic steatosis, but alleviates liver injury in alcoholic liver disease. <i>Journal of Hepatology</i> , 2021, 74, 1248-1250.	1.8	9
223	Inhibition of Mitochondrial Respiration Impairs Nutrient Consumption and Metabolite Transport in Human Retinal Pigment Epithelium. <i>Journal of Proteome Research</i> , 2021, 20, 909-922.	1.8	11
224	Short-term effects induced by nicotinamide in ovariectomized females. <i>Canadian Journal of Physiology and Pharmacology</i> , 2021, 99, 439-447.	0.7	3
225	Mechanisms and inhibitors of nicotinamide N-methyltransferase. <i>RSC Medicinal Chemistry</i> , 2021, 12, 1254-1261.	1.7	10
226	Reduction of fatty liver in rats by nicotinamide via the regeneration of the methionine cycle and the inhibition of aldehyde oxidase. <i>Journal of Toxicological Sciences</i> , 2021, 46, 31-42.	0.7	5
227	Linkage of nanosecond protein motion with enzymatic methyl transfer by Nicotinamide N-methyltransferase. <i>Turkish Journal of Biology</i> , 2021, 45, 333-341.	2.1	1
228	High Expression of Nicotinamide N-Methyltransferase in Patients with Sporadic Alzheimer's Disease. <i>Molecular Neurobiology</i> , 2021, 58, 1769-1781.	1.9	17
229	Novel Inhibitors of Nicotinamide-N-Methyltransferase for the Treatment of Metabolic Disorders. <i>Molecules</i> , 2021, 26, 991.	1.7	17
230	Combined nicotinamide N-methyltransferase inhibition and reduced-calorie diet normalizes body composition and enhances metabolic benefits in obese mice. <i>Scientific Reports</i> , 2021, 11, 5637.	1.6	12
231	Nicotinamide N-methyltransferase: At the crossroads between cellular metabolism and epigenetic regulation. <i>Molecular Metabolism</i> , 2021, 45, 101165.	3.0	56
233	Multi-omics approaches for revealing the complexity of cardiovascular disease. <i>Briefings in Bioinformatics</i> , 2021, 22, .	3.2	40
234	The effects of nicotinamide adenine dinucleotide in cardiovascular diseases: Molecular mechanisms, roles and therapeutic potential. <i>Genes and Diseases</i> , 2022, 9, 959-972.	1.5	9
235	Protective Effects of N1-Methylnicotinamide Against High-Fat Diet- and Age-Induced Hearing Loss via Moderate Overexpression of Sirtuin 1 Protein. <i>Frontiers in Cellular Neuroscience</i> , 2021, 15, 634868.	1.8	9
236	Role of PGC-1 α in the Mitochondrial NAD ⁺ Pool in Metabolic Diseases. <i>International Journal of Molecular Sciences</i> , 2021, 22, 4558.	1.8	17

#	ARTICLE	IF	CITATIONS
237	Nicotinamide Protects Against Diet-Induced Body Weight Gain, Increases Energy Expenditure, and Induces White Adipose Tissue Beiging. <i>Molecular Nutrition and Food Research</i> , 2021, 65, e2100111.	1.5	9
238	Nicotinamide N-Methyltransferase in Acquisition of Stem Cell Properties and Therapy Resistance in Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5681.	1.8	14
239	Nicotinamide N-methyl transferase (NNMT): An emerging therapeutic target. <i>Drug Discovery Today</i> , 2021, 26, 2699-2706.	3.2	26
240	The Role of Spermidine Synthase (SpdS) and Spermine Synthase (Sms) in Regulating Triglyceride Storage in <i>Drosophila</i> . <i>Medical Sciences (Basel, Switzerland)</i> , 2021, 9, 27.	1.3	5
241	Reply to: "NNMT aggravates hepatic steatosis but alleviates liver injury in alcoholic liver disease" and "Two sides of NNMT in alcoholic and non-alcoholic fatty liver development". <i>Journal of Hepatology</i> , 2021, 74, 1253-1254.	1.8	1
242	Advances in NAD-Lowering Agents for Cancer Treatment. <i>Nutrients</i> , 2021, 13, 1665.	1.7	38
243	Interaction between Metformin, Folate and Vitamin B12 and the Potential Impact on Fetal Growth and Long-Term Metabolic Health in Diabetic Pregnancies. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5759.	1.8	28
244	H3K4 Methylation in Aging and Metabolism. <i>Epigenomes</i> , 2021, 5, 14.	0.8	9
245	Macrocyclic Peptides as a Novel Class of NNMT Inhibitors: A SAR Study Aimed at Inhibitory Activity in the Cell. <i>ACS Medicinal Chemistry Letters</i> , 2021, 12, 1093-1101.	1.3	10
246	Thiamethoxam induces nonalcoholic fatty liver disease in mice via methionine metabolism disturb via nicotinamide N-methyltransferase overexpression. <i>Chemosphere</i> , 2021, 273, 129727.	4.2	16
247	Roles of Nicotinamide N-Methyltransferase in Obesity and Type 2 Diabetes. <i>BioMed Research International</i> , 2021, 2021, 1-8.	0.9	6
248	The metabolic role of spermidine in obesity: Evidence from cells to community. <i>Obesity Research and Clinical Practice</i> , 2021, 15, 315-326.	0.8	10
249	Epigenetic regulation of energy metabolism in obesity. <i>Journal of Molecular Cell Biology</i> , 2021, 13, 480-499.	1.5	36
250	Potent Inhibition of Nicotinamide N-Methyltransferase by Alkene-Linked Bisubstrate Mimics Bearing Electron Deficient Aromatics. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 12938-12963.	2.9	43
251	Poverty and Pellagra's Penumbra. , 0, , .		0
252	Anterograde regulation of mitochondrial genes and FGF21 signaling by hepatic LSD1. <i>JCI Insight</i> , 2021, 6, .	2.3	7
253	Nicotinamide N-Methyltransferase: An Emerging Protagonist in Cancer Macro(r)evolution. <i>Biomolecules</i> , 2021, 11, 1418.	1.8	12
254	Development & validation of LC-MS/MS assay for 5-amino-1-methyl quinolinium in rat plasma: Application to pharmacokinetic and oral bioavailability studies. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 204, 114255.	1.4	4

#	ARTICLE	IF	CITATIONS
255	Nicotinamide N-methyltransferase in endothelium protects against oxidant stress-induced endothelial injury. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 119082.	1.9	41
256	Nicotinamide N-methyltransferase upregulation via the mTORC1-ATF4 pathway activation contributes to palmitate-induced lipotoxicity in hepatocytes. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 321, C585-C595.	2.1	11
257	Macrocyclic peptides as allosteric inhibitors of nicotinamide N-methyltransferase (NNMT). <i>RSC Chemical Biology</i> , 2021, 2, 1546-1555.	2.0	33
259	NAD ⁺ precursors protect corneal endothelial cells from UVB-induced apoptosis. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 318, C796-C805.	2.1	24
260	Nicotinamide metabolism regulates glioblastoma stem cell maintenance. <i>JCI Insight</i> , 2017, 2, .	2.3	93
261	Comprehensive amelioration of high-fat diet-induced metabolic dysfunctions through activation of the PGC-1 α pathway by probiotics treatment in mice. <i>PLoS ONE</i> , 2020, 15, e0228932.	1.1	21
262	Nutritional Influences on Epigenetics, Aging and Disease. <i>Indonesian Biomedical Journal</i> , 2019, 11, 16-29.	0.2	1
263	Lipid Extraction from Mouse Feces. <i>Bio-protocol</i> , 2015, 5, .	0.2	68
264	Antioxidant Effects of N-Acetylcysteine Prevent Programmed Metabolic Disease in Mice. <i>Diabetes</i> , 2020, 69, 1650-1661.	0.3	23
265	Prey differences drive local genetic adaptation in Antarctic fur seals. <i>Marine Ecology - Progress Series</i> , 2019, 628, 195-209.	0.9	7
266	Insights into S-adenosyl-L-methionine (SAM)-dependent methyltransferase related diseases and genetic polymorphisms. <i>Mutation Research - Reviews in Mutation Research</i> , 2021, 788, 108396.	2.4	13
267	NNMT is induced dynamically during beige adipogenesis in adipose tissues depot-specific manner. <i>Journal of Physiology and Biochemistry</i> , 2022, 78, 169-183.	1.3	3
268	Gut-microbiota derived bioactive metabolites and their functions in host physiology. <i>Biotechnology and Genetic Engineering Reviews</i> , 2021, 37, 105-153.	2.4	18
269	Automated High-Throughput System Combining Small-Scale Synthesis with Bioassays and Reaction Screening. <i>SLAS Technology</i> , 2021, 26, 555-571.	1.0	25
270	Resilience in Long-Term Viral Infection: Genetic Determinants and Interactions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11379.	1.8	4
271	B Vitamins Supplementation Can Improve Cognitive Functions and May Relate to the Enhancement of Transketolase Activity in A Rat Model of Cognitive Impairment Associated with High-fat Diets. <i>Current Medical Science</i> , 2021, 41, 847-856.	0.7	5
272	Energy Metabolism and Epigenetics. , 2017, , 1-30.		0
281	Simultaneous determination of nicotinamide and N ¹ -methylnicotinamide in human serum by LC-MS/MS for associating their serum concentrations with obesity. <i>Biomedical Chromatography</i> , 2021, , e5261.	0.8	1

#	ARTICLE	IF	CITATIONS
282	The Many Roles Mitochondria Play in Mammalian Aging. <i>Antioxidants and Redox Signaling</i> , 2022, 36, 824-843.	2.5	5
283	Phytochemical wedelolactone reverses obesity by prompting adipose browning through SIRT1/AMPK/PPAR1± pathway via targeting nicotinamide N-methyltransferase. <i>Phytomedicine</i> , 2022, 94, 153843.	2.3	6
284	Lower serum nicotinamide N-methyltransferase levels in patients with bipolar disorder during acute episodes compared to healthy controls: a cross-sectional study. <i>BMC Psychiatry</i> , 2020, 20, 33.	1.1	5
289	Nicotinamide N-methyltransferase: a potential biomarker for worse prognosis in gastric carcinoma. <i>American Journal of Cancer Research</i> , 2016, 6, 649-63.	1.4	36
291	Proximity-Dependent Labeling of Cysteines. <i>Journal of the American Chemical Society</i> , 2021, 143, 19257-19261.	6.6	7
292	Reduced calorie diet combined with NNMT inhibition establishes a distinct microbiome in DIO mice. <i>Scientific Reports</i> , 2022, 12, 484.	1.6	0
293	Synthesis & characterization of heterocyclic disazo - azomethine dyes and investigating their molecular docking & dynamics properties on acetylcholine esterase (AChE), heat shock protein (HSP90±), nicotinamide N-methyl transferase (NNMT) and SARS-CoV-2 (2019-nCoV, COVID-19) main protease (Mpro). <i>Journal of Molecular Structure</i> , 2022, 1252, 131974.	1.8	7
294	Nicotinamide Riboside-Conditioned Microbiota Deflects High-Fat Diet-Induced Weight Gain in Mice. <i>MSystems</i> , 2022, 7, e0023021.	1.7	12
295	Intravenous nicotinamide riboside elevates mouse skeletal muscle NAD+ without impacting respiratory capacity or insulin sensitivity. <i>IScience</i> , 2022, 25, 103863.	1.9	12
296	Exploring Unconventional SAM Analogues To Build Cellâ€Potent Bisubstrate Inhibitors for Nicotinamide Nâ€Methyltransferase. <i>Angewandte Chemie</i> , 0, , .	1.6	0
297	Exploring Unconventional SAM Analogues To Build Cellâ€Potent Bisubstrate Inhibitors for Nicotinamide Nâ€Methyltransferase. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	7.2	7
298	The CD38 glycohydrolase and the NAD sink: implications for pathological conditions. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 322, C521-C545.	2.1	24
299	N1-Methylnicotinamide: Is it Time to Consider it as a Dietary Supplement for Athletes?. <i>Current Pharmaceutical Design</i> , 2022, 28, 800-805.	0.9	2
300	A systems-approach to NAD+Ârestoration. <i>Biochemical Pharmacology</i> , 2022, 198, 114946.	2.0	16
301	Abundant expression of ferroptosis-related SAT1 is related to unfavorable outcome and immune cell infiltration in low-grade glioma. <i>BMC Cancer</i> , 2022, 22, 215.	1.1	15
302	Methionine adenosyltransferase 1a antisense oligonucleotides activate the liver-brown adipose tissue axis preventing obesity and associated hepatosteatosis. <i>Nature Communications</i> , 2022, 13, 1096.	5.8	22
304	Caloric restriction overcomes pre-diabetes and hypertension induced by a high fat diet and renal artery stenosis. <i>Molecular Biology Reports</i> , 2022, 49, 5883-5895.	1.0	6
305	Hepatocyte-specific depletion of Nnmt protects mice from non-alcoholic steatohepatitis. <i>Journal of Hepatology</i> , 2022, 77, 882-884.	1.8	4

#	ARTICLE	IF	CITATIONS
306	Complex roles of nicotinamide N-methyltransferase in cancer progression. <i>Cell Death and Disease</i> , 2022, 13, 267.	2.7	31
307	Angiocrine polyamine production regulates adiposity. <i>Nature Metabolism</i> , 2022, 4, 327-343.	5.1	31
308	Liquid chromatography-tandem mass spectrometry based quantification of arginine metabolites including polyamines in different sample matrices. <i>Journal of Chromatography A</i> , 2022, 1671, 463021.	1.8	5
309	Targeting nicotinamide N-methyltransferase overcomes resistance to EGFR-TKI in non-small cell lung cancer cells. <i>Cell Death Discovery</i> , 2022, 8, 170.	2.0	5
310	Nicotinamide N-methyltransferase protects against deoxynivalenol-induced growth inhibition by suppressing pro-inflammatory cytokine expression. <i>Food and Chemical Toxicology</i> , 2022, 163, 112969.	1.8	5
311	Detection of Oncometabolite Nicotine Imine in the Nail of Oral Cancer Patients; Predicted as an Inhibitor of DNMT1. <i>Current Chemical Biology</i> , 2021, 15, 301-309.	0.2	0
312	Therapeutic Potential of Emerging NAD ⁺ -Increasing Strategies for Cardiovascular Diseases. <i>Antioxidants</i> , 2021, 10, 1939.	2.2	11
313	Identification of methyltransferase-like protein 11B as a new prognostic biomarker for colorectal cancer through an analysis of The Cancer Genome Atlas. <i>Journal of Gastrointestinal Oncology</i> , 2021, 12, 2854-2871.	0.6	2
314	Ethionine-mediated reduction of S-adenosylmethionine is responsible for the neural tube defects in the developing mouse embryo-mediated m6A modification and is involved in neural tube defects via modulating Wnt/ β^2 -catenin signaling pathway. <i>Epigenetics and Chromatin</i> , 2021, 14, 52.	1.8	10
315	Nicotinamide N-methyltransferase and liver diseases. <i>Genes and Diseases</i> , 2023, 10, 1883-1893.	1.5	2
316	The significance of NAD ⁺ metabolites and nicotinamide N-methyltransferase in chronic kidney disease. <i>Scientific Reports</i> , 2022, 12, 6398.	1.6	18
317	COVID-19: Are We Facing Secondary Pellagra Which Cannot Simply Be Cured by Vitamin B3?. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4309.	1.8	4
318	NAD ⁺ Precursors Repair Mitochondrial Function in Diabetes and Prevent Experimental Diabetic Neuropathy. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4887.	1.8	11
319	Effect of nicotinamide N-methyltransferase on lipid accumulation in 3T3-L1 adipocytes. <i>Bioengineered</i> , 2022, 13, 12421-12434.	1.4	2
320	The Storage Conditions of High-Fat Diet Are the Key Factors for Diet-Induced Obesity and Liver Damage. <i>Nutrients</i> , 2022, 14, 2222.	1.7	3
321	Physical Exercise Prevented Stress-Induced Anxiety via Improving Brain RNA Methylation. <i>Advanced Science</i> , 2022, 9, .	5.6	14
322	The Role of Mitochondria in Metabolic Syndrome-Associated Cardiomyopathy. <i>Oxidative Medicine and Cellular Longevity</i> , 2022, 2022, 1-17.	1.9	3
323	Remote solid cancers rewire hepatic nitrogen metabolism via host nicotinamide-N-methyltransferase. <i>Nature Communications</i> , 2022, 13, .	5.8	16

#	ARTICLE	IF	CITATIONS
324	Nicotinamide N-methyltransferase is a promising metabolic drug target for primary and metastatic clear cell renal cell carcinoma. <i>Clinical and Translational Medicine</i> , 2022, 12, .	1.7	20
325	Nicotinamide N-Methyltransferase: A Promising Biomarker and Target for Human Cancer Therapy. <i>Frontiers in Oncology</i> , 0, 12, .	1.3	8
326	NAD+ Precursors: A Questionable Redundancy. <i>Metabolites</i> , 2022, 12, 630.	1.3	8
327	NNMT promotes the progression of intrahepatic cholangiocarcinoma by regulating aerobic glycolysis via the EGFR-STAT3 axis. <i>Oncogenesis</i> , 2022, 11, .	2.1	15
328	Peptide-to-Small Molecule: A Pharmacophore-Guided Small Molecule Lead Generation Strategy from High-Affinity Macrocyclic Peptides. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 10655-10673.	2.9	11
329	Connections between metabolism and epigenetics: mechanisms and novel anti-cancer strategy. <i>Frontiers in Pharmacology</i> , 0, 13, .	1.6	12
330	A diagnostic model for overweight and obesity from untargeted urine metabolomics of soldiers. <i>PeerJ</i> , 0, 10, e13754.	0.9	1
331	An Epigenetic Role of Mitochondria in Cancer. <i>Cells</i> , 2022, 11, 2518.	1.8	57
332	Fermented Soy Products and Their Potential Health Benefits: A Review. <i>Microorganisms</i> , 2022, 10, 1606.	1.6	26
333	Novel tricyclic small molecule inhibitors of Nicotinamide N-methyltransferase for the treatment of metabolic disorders. <i>Scientific Reports</i> , 2022, 12, .	1.6	6
334	DNA damage, metabolism, and epigenetic regulation. , 2022, , 111-138.		0
336	Potent Uncompetitive Inhibitors of Nicotinamide N-Methyltransferase (NNMT) as In Vivo Chemical Probes. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 14642-14654.	2.9	3
337	Oral Supplementation with the Polyamine Spermidine Affects Hepatic but Not Pulmonary Lipid Metabolism in Lean but Not Obese Mice. <i>Nutrients</i> , 2022, 14, 4318.	1.7	0
338	Nicotinamide N-Methyltransferase Remodeled Cell Metabolism and Aggravated Proinflammatory Responses by Activating STAT3/IL1 β /PGE ₂ Pathway. <i>ACS Omega</i> , 2022, 7, 37509-37519.	1.6	3
339	Enhancing the Recovery of Bioactive Compounds of Soybean Fermented with <i>Rhizopus oligosporus</i> Using Supercritical CO ₂ : Antioxidant, Anti-Inflammatory, and Oxidative Properties of the Resulting Extract. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 1065.	1.5	0
340	Differential Gene Expression of Subcutaneous Adipose Tissue among Lean, Obese, and after RYGB (Different Timepoints): Systematic Review and Analysis. <i>Nutrients</i> , 2022, 14, 4925.	1.7	2
341	SLC3A2 and SLC7A2 Mediate the Exogenous Putrescine-Induced Adipocyte Differentiation. <i>Molecules and Cells</i> , 2022, 45, 963-975.	1.0	4
342	Roles of NAD+ in Acute and Chronic Kidney Diseases. <i>International Journal of Molecular Sciences</i> , 2023, 24, 137.	1.8	9

#	ARTICLE	IF	CITATIONS
343	N6-Methyladenosine RNA Modifications Regulate the Response to Platinum Through Nicotinamide N-methyltransferase. <i>Molecular Cancer Therapeutics</i> , 2023, 22, 393-405.	1.9	3
344	GPX8 regulates clear cell renal cell carcinoma tumorigenesis through promoting lipogenesis by NNMT. <i>Journal of Experimental and Clinical Cancer Research</i> , 2023, 42, .	3.5	7
345	S-adenosylmethionine synthases specify distinct H3K4me3 populations and gene expression patterns during heat stress. <i>ELife</i> , 0, 12, .	2.8	4
346	Identification of novel human nicotinamide N-methyltransferase inhibitors: a structure-based pharmacophore modeling and molecular dynamics approach. <i>Journal of Biomolecular Structure and Dynamics</i> , 2023, 41, 14638-14650.	2.0	2
347	Both prolonged high-fat diet consumption and calorie restriction boost hepatic NAD ⁺ metabolism in mice. <i>Journal of Nutritional Biochemistry</i> , 2023, 115, 109296.	1.9	2
348	Beyond Pellagra—Research Models and Strategies Addressing the Enduring Clinical Relevance of NAD Deficiency in Aging and Disease. <i>Cells</i> , 2023, 12, 500.	1.8	5
349	The Central Role of the NAD ⁺ Molecule in the Development of Aging and the Prevention of Chronic Age-Related Diseases: Strategies for NAD ⁺ Modulation. <i>International Journal of Molecular Sciences</i> , 2023, 24, 2959.	1.8	4
351	Bioactive Vitamins and Epigenetic Modifications in Diabetes: A Perspective. <i>Current Diabetes Reviews</i> , 2024, 20, .	0.6	0
352	Nicotinamide-N-methyltransferase regulates lipid metabolism via SAM and 1-methylnicotinamide in the AML12 hepatocyte cell line. <i>Journal of Biochemistry</i> , 0, , .	0.9	1
356	In Vivo Tissue Lipid Uptake in Antisense Oligonucleotide (ASO)-Treated Mice. <i>Methods in Molecular Biology</i> , 2023, , 1-13.	0.4	0
365	Participation of protein metabolism in cancer progression and its potential targeting for the management of cancer. <i>Amino Acids</i> , 2023, 55, 1223-1246.	1.2	2