

CITATION REPORT

List of articles citing

Mitochondrial protein hyperacetylation in the failing heart

DOI: 10.1172/jci.insight.84897
JCI Insight, 2016, 2, .

Source: <https://exaly.com/paper-pdf/86343951/citation-report.pdf>

Version: 2024-04-29

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
108	Proteomics Research in Cardiovascular Medicine and Biomarker Discovery. 2016 , 68, 2819-2830		34
107	Normalization of NAD ⁺ Redox Balance as a Therapy for Heart Failure. 2016 , 134, 883-94		164
106	Akt signaling as a mediator of cardiac adaptation to low birth weight. 2017 , 233, R81-R94		15
105	Role of NAD and mitochondrial sirtuins in cardiac and renal diseases. 2017 , 13, 213-225		109
104	Sirtuin 5 is required for mouse survival in response to cardiac pressure overload. 2017 , 292, 19767-19781		47
103	Short-term administration of Nicotinamide Mononucleotide preserves cardiac mitochondrial homeostasis and prevents heart failure. 2017 , 112, 64-73		31
102	Nicotinamide mononucleotide requires SIRT3 to improve cardiac function and bioenergetics in a Friedreich's ataxia cardiomyopathy model. <i>JCI Insight</i> , 2017 , 2,	9.9	60
101	Regulation of Sirtuin-Mediated Protein Deacetylation by Cardioprotective Phytochemicals. 2017 , 2017, 1750306		42
100	Honokiol, an activator of Sirtuin-3 (SIRT3) preserves mitochondria and protects the heart from doxorubicin-induced cardiomyopathy in mice. 2017 , 8, 34082-34098		82
99	Therapeutic Potential of NAD-Boosting Molecules: The In Vivo Evidence. 2018 , 27, 529-547		332
98	Islet proteomics reveals genetic variation in dopamine production resulting in altered insulin secretion. 2018 , 293, 5860-5877		22
97	Mechanisms of physiological and pathological cardiac hypertrophy. 2018 , 15, 387-407		468
96	NAD(H) in mitochondrial energy transduction: implications for health and disease. 2018 , 3, 101-109		9
95	Enhanced Redox State and Efficiency of Glucose Oxidation With miR Based Suppression of Maladaptive NADPH-Dependent Malic Enzyme 1 Expression in Hypertrophied Hearts. 2018 , 122, 836-845		23
94	HDAC1 localizes to the mitochondria of cardiac myocytes and contributes to early cardiac reperfusion injury. 2018 , 114, 309-319		32
93	Epigenetics in Cardiac Fibrosis: Emphasis on Inflammation and Fibroblast Activation. 2018 , 3, 704-715		46
92	Sirtuins and NAD in the Development and Treatment of Metabolic and Cardiovascular Diseases. 2018 , 123, 868-885		151

91	Protein acetylation in skeletal muscle mitochondria is involved in impaired fatty acid oxidation and exercise intolerance in heart failure. 2018 , 9, 844-859	31
90	Ablation of in the postnatal mouse heart results in protein succinylation and normal survival in response to chronic pressure overload. 2018 , 293, 10630-10645	18
89	Raising NAD in Heart Failure: Time to Translate?. 2018 , 137, 2274-2277	24
88	Histone methyltransferase Smyd1 regulates mitochondrial energetics in the heart. 2018 , 115, E7871-E7880	36
87	Obesity-mediated regulation of cardiac protein acetylation: parallel analysis of total and acetylated proteins via TMT-tagged mass spectrometry. 2018 , 38,	17
86	Loss of Metabolic Flexibility in the Failing Heart. 2018 , 5, 68	139
85	The Regulation of Insulin-Stimulated Cardiac Glucose Transport via Protein Acetylation. 2018 , 5, 70	11
84	Pharmacological Approaches for Modulating Sirtuins. 2018 , 71-81	
83	Acetylation contributes to hypertrophy-caused maturational delay of cardiac energy metabolism. <i>JCI Insight</i> , 2018 , 3,	9.9 13
82	Acetylation of Mitochondrial Proteins in the Heart: The Role of SIRT3. 2018 , 9, 1094	74
81	Food Bioactive HDAC Inhibitors in the Epigenetic Regulation of Heart Failure. 2018 , 10,	15
80	Metabolic remodelling in heart failure. 2018 , 15, 457-470	195
79	The nonepigenetic role for small molecule histone deacetylase inhibitors in the regulation of cardiac function. 2019 , 11, 1345-1356	1
78	Establishment of reference values for the lysine acetylation marker N-acetyllysine in small volume human plasma samples by a multi-target LC-MS/MS method. 2019 , 51, 1259-1271	3
77	Deficiency of nuclear receptor interaction protein leads to cardiomyopathy by disrupting sarcomere structure and mitochondrial respiration. 2019 , 137, 9-24	4
76	The Role of Adenine Nucleotide Translocase in the Assembly of Respiratory Supercomplexes in Cardiac Cells. 2019 , 8,	8
75	Allosteric, transcriptional and post-translational control of mitochondrial energy metabolism. 2019 , 476, 1695-1712	14
74	Serum Concentrations of Citrate, Tyrosine, 2- and 3- Hydroxybutyrate are Associated with Increased 3-Month Mortality in Acute Heart Failure Patients. 2019 , 9, 6743	8

73	Adaptations in Protein Expression and Regulated Activity of Pyruvate Dehydrogenase Multienzyme Complex in Human Systolic Heart Failure. 2019 , 2019, 4532592	17
72	Altered Intracellular Calcium Homeostasis and Arrhythmogenesis in the Aged Heart. 2019 , 20,	32
71	Increased ketone body oxidation provides additional energy for the failing heart without improving cardiac efficiency. 2019 , 115, 1606-1616	69
70	Respiratory Phenomics across Multiple Models of Protein Hyperacetylation in Cardiac Mitochondria Reveals a Marginal Impact on Bioenergetics. 2019 , 26, 1557-1572.e8	28
69	Empagliflozin reduces myocardial ketone utilization while preserving glucose utilization in diabetic hypertensive heart disease: A hyperpolarized C magnetic resonance spectroscopy study. 2019 , 21, 357-365	31
68	Crosstalk Between Mitochondrial Hyperacetylation and Oxidative Stress in Vascular Dysfunction and Hypertension. 2019 , 31, 710-721	37
67	Mitochondrial NAD/NADH Redox State and Diabetic Cardiomyopathy. 2019 , 30, 375-398	50
66	Role of Nicotinamide Adenine Dinucleotide and Related Precursors as Therapeutic Targets for Age-Related Degenerative Diseases: Rationale, Biochemistry, Pharmacokinetics, and Outcomes. 2019 , 30, 251-294	79
65	Extracellular signal-regulated kinase 1/2 regulates NAD metabolism during acute kidney injury through microRNA-34a-mediated NAMPT expression. 2020 , 77, 3643-3655	10
64	Metabolism, Epigenetics, and Causal Inference in Heart Failure. 2020 , 31, 181-191	14
63	Defining decreased protein succinylation of failing human cardiac myofibrils in ischemic cardiomyopathy. 2020 , 138, 304-317	10
62	NAD metabolism: pathophysiological mechanisms and therapeutic potential. 2020 , 5, 227	101
61	Disruption of energy utilization in diabetic cardiomyopathy; a mini review. 2020 , 54, 82-90	4
60	Dietary carbohydrates restriction inhibits the development of cardiac hypertrophy and heart failure. 2021 , 117, 2365-2376	6
59	Ketone metabolism in the failing heart. 2020 , 1865, 158813	25
58	Mitochondrial Ca regulation in the etiology of heart failure: physiological and pathophysiological implications. 2020 , 41, 1301-1309	25
57	Blood NAD levels are reduced in very old patients hospitalized for heart failure. 2020 , 139, 111051	4
56	NAD Metabolism as an Emerging Therapeutic Target for Cardiovascular Diseases Associated With Sudden Cardiac Death. 2020 , 11, 901	10

55	Mitochondrial Pathobiology and Metabolic Remodeling in Progression to Overt Systolic Heart Failure. 2020 , 9,	7
54	A Critical Role for Estrogen-Related Receptor Signaling in Cardiac Maturation. 2020 , 126, 1685-1702	18
53	Multiple Levels of PGC-1 β Dysregulation in Heart Failure. 2020 , 7, 2	17
52	Regulation of metabolism by mitochondrial enzyme acetylation in cardiac ischemia-reperfusion injury. 2020 , 1866, 165728	12
51	Targeting Mitochondria-Inflammation Circuit by β -Hydroxybutyrate Mitigates HFpEF. 2021 , 128, 232-245	58
50	NAD ⁺ : a crucial regulator of sirtuin activity in aging. 2021 , 23-35	
49	Cellular and molecular pathobiology of heart failure with preserved ejection fraction. 2021 , 18, 400-423	65
48	Acetylation of muscle creatine kinase negatively impacts high-energy phosphotransfer in heart failure. <i>JCI Insight</i> , 2021 , 6,	9.9 6
47	Nicotinamide for the treatment of heart failure with preserved ejection fraction. 2021 , 13,	38
46	Mitochondrial energy dysfunction induces remodeling of the cardiac mitochondrial protein acylome.	
45	SGLT2 inhibitors break the vicious circle between heart failure and insulin resistance: targeting energy metabolism. 2021 , 1	3
44	The antiviral sirtuin 3 bridges protein acetylation to mitochondrial integrity and metabolism during human cytomegalovirus infection. 2021 , 17, e1009506	3
43	Effect of Dapagliflozin on Myocardial Insulin Sensitivity and Perfusion: Rationale and Design of The DAPAHEART Trial. 2021 , 12, 2101-2113	1
42	Cardiac Energy Metabolism in Heart Failure. 2021 , 128, 1487-1513	68
41	Short-Chain Fatty Acids Outpace Ketone Oxidation in the Failing Heart. 2021 , 143, 1797-1808	13
40	Nicotinamide mononucleotide attenuates isoproterenol-induced cardiac fibrosis by regulating oxidative stress and Smad3 acetylation. 2021 , 274, 119299	8
39	Metabolic Flexibility and Mitochondrial Bioenergetics in the Failing Heart. Therapeutic Approaches. 2021 , 31, 269-282	
38	Molecular Signature of HFpEF: Systems Biology in a Cardiac-Centric Large Animal Model. 2021 , 6, 650-672	3

37	Post-translational Acetylation Control of Cardiac Energy Metabolism. 2021 , 8, 723996	3
36	Potential role of lysine succinylation in the response of moths to artificial light at night stress. 2021 , 220, 112334	0
35	Loss of the mitochondrial phosphate carrier SLC25A3 induces remodeling of the cardiac mitochondrial protein acylome. 2021 , 321, C519-C534	1
34	Metabolic Remodeling and Implicated Calcium and Signal Transduction Pathways in the Pathogenesis of Heart Failure. 2021 , 22,	3
33	The failing heart utilizes 3-hydroxybutyrate as a metabolic stress defense. <i>JCI Insight</i> , 2019 , 4,	9.9 105
32	Mitochondrial dysfunction in pathophysiology of heart failure. 2018 , 128, 3716-3726	249
31	Comorbidity-associated glutamine deficiency is a predisposition to severe COVID-19. 2021 , 28, 3199-3213	5
30	Metabolic Profiling of Aortic Stenosis and Hypertrophic Cardiomyopathy Identifies Mechanistic Contrasts in Substrate Utilisation.	0
29	Proteomic Profiling of Lysine Acetylation Indicates Mitochondrial Dysfunction in the Hippocampus of Gut Microbiota-Absent Mice. 2021 , 14, 594332	1
28	Proteomic Profiling of Lysine Acetylation Indicates Mitochondrial Dysfunction in the Hippocampus of Gut Microbiota-Absent Mice. 2021 , 14, 594332	2
27	Genetically encoded biosensors for evaluating NAD/NADH ratio in cytosolic and mitochondrial compartments.. 2021 , 1, 100116-100116	1
26	Deranged Myocardial Fatty Acid Metabolism in Heart Failure.. 2022 , 23,	1
25	Metabolic, structural and biochemical changes in diabetes and the development of heart failure.. 2022 , 65, 411	1
24	Metabolomics tools for biomarker discovery: applications in chronic kidney disease. 2022 , 153-181	0
23	A systems-approach to NAD ⁺ restoration.. 2022 , 198, 114946	3
22	Research Overview of Traditional Chinese Medicine Regulating Myocardial Energy Metabolism in Chronic Heart Failure. 2022 , 11, 323-330	
21	A bioinformatics workflow to detect genes with DNA methylation alterations: a case study of analyzing MeDIP-seq data in cardiac microtissue exposed to epirubicin. 2022 ,	
20	Reactive Oxygen Species Induced Pathways in Heart Failure Pathogenesis and Potential Therapeutic Strategies.. 2022 , 10,	3

19	The Cardiomyocyte in Heart Failure with Preserved Ejection Fraction-Victim of Its Environment?. 2022 , 11,	
18	Multi-Omics Approach Profiling Metabolic Remodeling in Early Systolic Dysfunction and in Overt Systolic Heart Failure.. 2021 , 23,	0
17	Mitochondrial deacetylase Sirt3 in vascular dysfunction and hypertension.. 2022 , 31, 151-156	1
16	Therapeutic Potential of Emerging NAD ⁺ -Increasing Strategies for Cardiovascular Diseases.. 2021 , 10,	2
15	Metabolic Therapy of Heart Failure: Is There a Future for B Vitamins?. 2021 , 23,	2
14	Oxidative Stress and Cardiovascular Diseases: The Role of Mitochondria.	
13	Nicotinamide Riboside Improves Cardiac Function and Prolongs Survival After Disruption of the Cardiomyocyte Clock. 2022 , 2,	0
12	, a key regulator of ageing and age-related neurodegenerative diseases.. 2022 , 1-26	1
11	N6-Acetyl-L-Lysine and p-Cresol as Key Metabolites in the Pathogenesis of COVID-19 in Obese Patients. 2022 , 13,	1
10	SIRT3 deficiency decreases oxidative-metabolism capacity but increases lifespan under caloric restriction.	
9	Cardiac Acetylation in Metabolic Diseases. 2022 , 10, 1834	0
8	Genomic, Proteomic, and Metabolic Comparisons of Small Animal Models of Heart Failure With Preserved Ejection Fraction: A Tale of Mice, Rats, and Cats. 2022 , 11,	2
7	Mitochondrial dysfunction in heart failure and its therapeutic implications. 9,	
6	Mitochondrial Dysfunction and Cardiovascular Disease: Pathophysiology and Emerging Therapies. 2022 , 2022, 1-16	0
5	Tachycardiomyopathy entails a dysfunctional pattern of interrelated mitochondrial functions. 2022 , 117,	0
4	SIRT3 deficiency decreases oxidative metabolism capacity but increases lifespan in male mice under caloric restriction.	0
3	FGF21/Birtuin 3 Axis Confers the Protective Effects of Exercise Against Diabetic Cardiomyopathy by Governing Mitochondrial Integrity.	1
2	Dietary essential amino acids for the treatment of heart failure with reduced ejection fraction.	0

1 Changes of energy metabolism in failing heart and its regulation by SIRT3.

o