

# Natasha Fillmore

## List of Publications by Year in descending order

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Version: 2024-02-01

27  
papers

922  
citations

516710

16  
h-index

552781

26  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1800  
citing authors

#	ARTICLE	IF	CITATIONS
1	Obesity-induced lysine acetylation increases cardiac fatty acid oxidation and impairs insulin signalling. <i>Cardiovascular Research</i> , 2014, 103, 485-497.	3.8	175
2	Targeting mitochondrial oxidative metabolism as an approach to treat heart failure. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2013, 1833, 857-865.	4.1	111
3	Uncoupling of glycolysis from glucose oxidation accompanies the development of heart failure with preserved ejection fraction. <i>Molecular Medicine</i> , 2018, 24, 3.	4.4	72
4	Effect of Fatty Acids on Human Bone Marrow Mesenchymal Stem Cell Energy Metabolism and Survival. <i>PLoS ONE</i> , 2015, 10, e0120257.	2.5	60
5	Chronic AMP-activated protein kinase activation and a high-fat diet have an additive effect on mitochondria in rat skeletal muscle. <i>Journal of Applied Physiology</i> , 2010, 109, 511-520.	2.5	44
6	Inhibition of Serine Palmitoyl Transferase I Reduces Cardiac Ceramide Levels and Increases Glycolysis Rates following Diet-Induced Insulin Resistance. <i>PLoS ONE</i> , 2012, 7, e37703.	2.5	44
7	Cardiac branched-chain amino acid oxidation is reduced during insulin resistance in the heart. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E1046-E1052.	3.5	44
8	The effects of chronic AMPK activation on hepatic triglyceride accumulation and glycerol 3-phosphate acyltransferase activity with high fat feeding. <i>Diabetology and Metabolic Syndrome</i> , 2013, 5, 29.	2.7	42
9	Sex differences in metabolic cardiomyopathy. <i>Cardiovascular Research</i> , 2017, 113, 370-377.	3.8	42
10	Skeletal muscle dysfunction in muscle-specific LKB1 knockout mice. <i>Journal of Applied Physiology</i> , 2010, 108, 1775-1785.	2.5	37
11	Malonyl CoA Decarboxylase Inhibition Improves Cardiac Function Post-Myocardial Infarction. <i>JACC Basic To Translational Science</i> , 2019, 4, 385-400.	4.1	37
12	Trimetazidine Therapy Prevents Obesity-Induced Cardiomyopathy in Mice. <i>Canadian Journal of Cardiology</i> , 2014, 30, 940-944.	1.7	26
13	Cytosolic carnitine acetyltransferase as a source of cytosolic acetyl-CoA: a possible mechanism for regulation of cardiac energy metabolism. <i>Biochemical Journal</i> , 2018, 475, 959-976.	3.7	26
14	Malonyl CoA: A promising target for the treatment of cardiac disease. <i>IUBMB Life</i> , 2014, 66, 139-146.	3.4	21
15	Inhibition of malonyl-CoA decarboxylase reduces the inflammatory response associated with insulin resistance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E1459-E1468.	3.5	19
16	Reductions in RIP140 are not required for exercise- and AICAR-mediated increases in skeletal muscle mitochondrial content. <i>Journal of Applied Physiology</i> , 2011, 111, 688-695.	2.5	18
17	Treatment with the 3-Ketoacyl-CoA Thiolase Inhibitor Trimetazidine Does Not Exacerbate Whole-Body Insulin Resistance in Obese Mice. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2014, 349, 487-496.	2.5	17
18	A Systems Biology Approach to Investigating Sex Differences in Cardiac Hypertrophy. <i>Journal of the American Heart Association</i> , 2017, 6, .	3.7	14

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19	Human Relaxin $\alpha$ 2 Fusion Protein Treatment Prevents and Reverses Isoproterenol $\alpha$ -Induced Hypertrophy and Fibrosis in Mouse Heart. <i>Journal of the American Heart Association</i> , 2019, 8, e013465.	3.7	14
20	Genetic and Pharmacological Inhibition of Malonyl CoA Decarboxylase Does Not Exacerbate Age-Related Insulin Resistance in Mice. <i>Diabetes</i> , 2016, 65, 1883-1891.	0.6	13
21	Effects of excess corticosterone on LKB1 and AMPK signaling in rat skeletal muscle. <i>Journal of Applied Physiology</i> , 2010, 108, 298-305.	2.5	12
22	Accumulation of ceramide in slow $\alpha$ -twitch muscle contributes to the development of insulin resistance in the obese JCR:LA $\alpha$ rat. <i>Experimental Physiology</i> , 2015, 100, 730-741.	2.0	10
23	Na $\alpha$ /H $\alpha$ Exchanger Isoform 1-Induced Osteopontin Expression Facilitates Cardiomyocyte Hypertrophy. <i>PLoS ONE</i> , 2015, 10, e0123318.	2.5	10
24	A knock-in mutation at cysteine 144 of TRIM72 is cardioprotective and reduces myocardial TRIM72 release. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 136, 95-101.	1.9	5
25	Cardiac specific knock-down of peroxisome proliferator activated receptor $\alpha$ 1 prevents fasting-induced cardiac lipid accumulation and reduces perilipin 2. <i>PLoS ONE</i> , 2022, 17, e0265007.	2.5	5
26	The link between pediatric heart failure and mitochondrial lipids. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 76, 71-72.	1.9	4
27	Chronic activation of AMPK limits hepatic triglyceride accumulation independent of changes in total glycerol $\alpha$ 3 $\alpha$ -phosphate $\alpha$ -acyltransferase activity. <i>FASEB Journal</i> , 2011, 25, 1117.10.	0.5	0