

Miranda Nabben

List of Publications by Citations

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

38

papers

788

citations

17

h-index

27

g-index

45

ext. papers

1,014

ext. citations

6

avg, IF

4.04

L-index

#	Paper	IF	Citations
38	Augmenting muscle diacylglycerol and triacylglycerol content by blocking fatty acid oxidation does not impede insulin sensitivity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 11711-6	11.5	63
37	The effect of UCP3 overexpression on mitochondrial ROS production in skeletal muscle of young versus aged mice. <i>FEBS Letters</i> , 2008 , 582, 4147-52	3.8	62
36	Good and bad consequences of altered fatty acid metabolism in heart failure: evidence from mouse models. <i>Cardiovascular Research</i> , 2015 , 106, 194-205	9.9	60
35	Mitochondrial uncoupling protein 3 and its role in cardiac- and skeletal muscle metabolism. <i>Physiology and Behavior</i> , 2008 , 94, 259-69	3.5	48
34	Mitochondrial function, content and ROS production in rat skeletal muscle: effect of high-fat feeding. <i>FEBS Letters</i> , 2008 , 582, 510-6	3.8	46
33	Cardiac diastolic dysfunction in high-fat diet fed mice is associated with lipotoxicity without impairment of cardiac energetics in vivo. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014 , 1842, 1525-37	5	42
32	Preservation of myocardial fatty acid oxidation prevents diastolic dysfunction in mice subjected to angiotensin II infusion. <i>Journal of Molecular and Cellular Cardiology</i> , 2016 , 100, 64-71	5.8	41
31	Post-translational modifications of CD36 (SR-B2): Implications for regulation of myocellular fatty acid uptake. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016 , 1862, 2253-2258	6.9	37
30	Palmitate-Induced Vacuolar-Type H-ATPase Inhibition Feeds Forward Into Insulin Resistance and Contractile Dysfunction. <i>Diabetes</i> , 2017 , 66, 1521-1534	0.9	32
29	Uncoupled respiration, ROS production, acute lipotoxicity and oxidative damage in isolated skeletal muscle mitochondria from UCP3-ablated mice. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011 , 1807, 1095-105	4.6	32
28	Regulation of the subcellular trafficking of CD36, a major determinant of cardiac fatty acid utilization. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016 , 1861, 1461-71	5	30
27	Diabetic db/db mice do not develop heart failure upon pressure overload: a longitudinal in vivo PET, MRI, and MRS study on cardiac metabolic, structural, and functional adaptations. <i>Cardiovascular Research</i> , 2017 , 113, 1148-1160	9.9	25
26	Re-balancing cellular energy substrate metabolism to mend the failing heart. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165579	6.9	24
25	Adaptations in mitochondrial function parallel, but fail to rescue, the transition to severe hyperglycemia and hyperinsulinemia: a study in Zucker diabetic fatty rats. <i>Obesity</i> , 2010 , 18, 1100-7	8	23
24	Microbial-Driven Butyrate Regulates Jejunal Homeostasis in Piglets During the Weaning Stage. <i>Frontiers in Microbiology</i> , 2018 , 9, 3335	5.7	20
23	2-Arachidonoylglycerol ameliorates inflammatory stress-induced insulin resistance in cardiomyocytes. <i>Journal of Biological Chemistry</i> , 2017 , 292, 7105-7114	5.4	19
22	Increased cardiac fatty acid oxidation in a mouse model with decreased malonyl-CoA sensitivity of CPT1B. <i>Cardiovascular Research</i> , 2018 , 114, 1324-1334	9.9	18

21	Statins Promote Cardiac Infarct Healing by Modulating Endothelial Barrier Function Revealed by Contrast-Enhanced Magnetic Resonance Imaging. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 186-194	9.4	17
20	Significance of uncoupling protein 3 in mitochondrial function upon mid- and long-term dietary high-fat exposure. <i>FEBS Letters</i> , 2011 , 585, 4010-7	3.8	16
19	A new leptin-mediated mechanism for stimulating fatty acid oxidation: a pivotal role for sarcolemmal FAT/CD36. <i>Biochemical Journal</i> , 2017 , 474, 149-162	3.8	14
18	Pivotal role of membrane substrate transporters on the metabolic alterations in the pressure-overloaded heart. <i>Cardiovascular Research</i> , 2019 , 115, 1000-1012	9.9	13
17	Understanding the distinct subcellular trafficking of CD36 and GLUT4 during the development of myocardial insulin resistance. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2020 , 1866, 165773	6.9	12
16	Acute and Chronic Effects of Protein Kinase-D Signaling on Cardiac Energy Metabolism. <i>Frontiers in Cardiovascular Medicine</i> , 2018 , 5, 65	5.4	11
15	Human embryonic stem cell-derived cardiomyocytes as an in vitro model to study cardiac insulin resistance. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018 , 1864, 1960-1967	6.9	10
14	Lack of UCP3 does not affect skeletal muscle mitochondrial function under lipid-challenged conditions, but leads to sudden cardiac death. <i>Basic Research in Cardiology</i> , 2014 , 109, 447	11.8	10
13	High levels of whole-body energy expenditure are associated with a lower coupling of skeletal muscle mitochondria in C57Bl/6 mice. <i>Metabolism: Clinical and Experimental</i> , 2010 , 59, 1612-8	12.7	10
12	Augmenting Vacuolar H-ATPase Function Prevents Cardiomyocytes from Lipid-Overload Induced Dysfunction. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	8
11	A genistein-enriched diet neither improves skeletal muscle oxidative capacity nor prevents the transition towards advanced insulin resistance in ZDF rats. <i>Scientific Reports</i> , 2016 , 6, 22854	4.9	7
10	CD36 (SR-B2) as a Target to Treat Lipid Overload-Induced Cardiac Dysfunction. <i>Journal of Lipid and Atherosclerosis</i> , 2020 , 9, 66-78	3	7
9	Metabolic remodelling in heart failure revisited. <i>Nature Reviews Cardiology</i> , 2018 , 15, 780	14.8	7
8	Dietary nitrate does not reduce oxygen cost of exercise or improve muscle mitochondrial function in patients with mitochondrial myopathy. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017 , 312, R689-R701	3.2	5
7	CD36 as a target for metabolic modulation therapy in cardiac disease. <i>Expert Opinion on Therapeutic Targets</i> , 2021 , 25, 393-400	6.4	3
6	Specific amino acid supplementation rescues the heart from lipid overload-induced insulin resistance and contractile dysfunction by targeting the endosomal mTOR-v-ATPase axis. <i>Molecular Metabolism</i> , 2021 , 53, 101293	8.8	3
5	Putative Role of Protein Palmitoylation in Cardiac Lipid-Induced Insulin Resistance. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
4	Multiview deconvolution approximation multiphoton microscopy of tissues and zebrafish larvae. <i>Scientific Reports</i> , 2021 , 11, 10160	4.9	2

3	Letter by Neumann et al regarding article, "Myostatin regulates energy homeostasis in the heart and prevents heart failure". <i>Circulation Research</i> , 2015 , 116, e95-6	15.7	1
2	Comparison of human and rodent cell models to study myocardial lipid-induced insulin resistance. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2021 , 167, 102267	2.8	0
1	Assessment of AMPK-Stimulated Cellular Long-Chain Fatty Acid and Glucose Uptake. <i>Methods in Molecular Biology</i> , 2018 , 1732, 343-361	1.4	