

E Matthew Morris

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.

47 papers	1,881 citations	23 h-index	43 g-index
56 ext. papers	2,232 ext. citations	4 avg, IF	4.16 L-index

#	Paper	IF	Citations
47	Mitochondrial dysfunction precedes insulin resistance and hepatic steatosis and contributes to the natural history of non-alcoholic fatty liver disease in an obese rodent model. <i>Journal of Hepatology</i> , 2010 , 52, 727-36	13.4	317
46	Angiotensin II-induced NADPH oxidase activation impairs insulin signaling in skeletal muscle cells. <i>Journal of Biological Chemistry</i> , 2006 , 281, 35137-46	5.4	214
45	Rats selectively bred for low aerobic capacity have reduced hepatic mitochondrial oxidative capacity and susceptibility to hepatic steatosis and injury. <i>Journal of Physiology</i> , 2009 , 587, 1805-16	3.9	120
44	Daily exercise vs. caloric restriction for prevention of nonalcoholic fatty liver disease in the OLETF rat model. <i>American Journal of Physiology - Renal Physiology</i> , 2011 , 300, G874-83	5.1	103
43	PGC-1 β overexpression results in increased hepatic fatty acid oxidation with reduced triacylglycerol accumulation and secretion. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 303, G979-92	5.1	93
42	Mineralocorticoid receptor blockade attenuates chronic overexpression of the renin-angiotensin-aldosterone system stimulation of reduced nicotinamide adenine dinucleotide phosphate oxidase and cardiac remodeling. <i>Endocrinology</i> , 2007 , 148, 3773-80	4.8	88
41	Angiotensin II-induced non-alcoholic fatty liver disease is mediated by oxidative stress in transgenic TG(mRen2)27(Ren2) rats. <i>Journal of Hepatology</i> , 2008 , 49, 417-28	13.4	77
40	Albumin activation of NAD(P)H oxidase activity is mediated via Rac1 in proximal tubule cells. <i>American Journal of Nephrology</i> , 2007 , 27, 15-23	4.6	57
39	Combining metformin and aerobic exercise training in the treatment of type 2 diabetes and NAFLD in OLETF rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 306, E300-10	6	53
38	Treating NAFLD in OLETF rats with vigorous-intensity interval exercise training. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 556-67	1.2	50
37	Mitochondria and redox signaling in steatohepatitis. <i>Antioxidants and Redox Signaling</i> , 2011 , 15, 485-504	8.4	46
36	The role of angiotensin II in nonalcoholic steatohepatitis. <i>Molecular and Cellular Endocrinology</i> , 2013 , 378, 29-40	4.4	44
35	High-Fat Diet Alters Serum Fatty Acid Profiles in Obesity Prone Rats: Implications for In Vitro Studies. <i>Lipids</i> , 2015 , 50, 997-1008	1.6	43
34	Intrinsic aerobic capacity impacts susceptibility to acute high-fat diet-induced hepatic steatosis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 307, E355-64	6	43
33	Changes in skeletal muscle mitochondria in response to the development of type 2 diabetes or prevention by daily wheel running in hyperphagic OLETF rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010 , 298, E1179-87	6	42
32	Selective hepatic insulin resistance in a murine model heterozygous for a mitochondrial trifunctional protein defect. <i>Hepatology</i> , 2013 , 57, 2213-23	11.2	41
31	Female rats selectively bred for high intrinsic aerobic fitness are protected from ovariectomy-associated metabolic dysfunction. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015 , 308, R530-42	3.2	38

30	Skeletal muscle mitochondrial and metabolic responses to a high-fat diet in female rats bred for high and low aerobic capacity. <i>Applied Physiology, Nutrition and Metabolism</i> , 2010 , 35, 151-62	3	34
29	Impact of various exercise modalities on hepatic mitochondrial function. <i>Medicine and Science in Sports and Exercise</i> , 2014 , 46, 1089-97	1.2	31
28	Aerobic exercise training in the treatment of non-alcoholic fatty liver disease related fibrosis. <i>Journal of Physiology</i> , 2016 , 594, 5271-84	3.9	31
27	Reduced hepatic mitochondrial respiration following acute high-fat diet is prevented by PGC-1 α overexpression. <i>American Journal of Physiology - Renal Physiology</i> , 2013 , 305, G868-80	5.1	29
26	Combining metformin therapy with caloric restriction for the management of type 2 diabetes and nonalcoholic fatty liver disease in obese rats. <i>Applied Physiology, Nutrition and Metabolism</i> , 2015 , 40, 1038-47	3	27
25	Voluntary wheel running selectively augments insulin-stimulated vasodilation in arterioles from white skeletal muscle of insulin-resistant rats. <i>Microcirculation</i> , 2012 , 19, 729-38	2.9	26
24	Aerobic capacity mediates susceptibility for the transition from steatosis to steatohepatitis. <i>Journal of Physiology</i> , 2017 , 595, 4909-4926	3.9	21
23	Deficiency in the Heat Stress Response Could Underlie Susceptibility to Metabolic Disease. <i>Diabetes</i> , 2016 , 65, 3341-3351	0.9	21
22	Exercise and Omega-3 Polyunsaturated Fatty Acid Supplementation for the Treatment of Hepatic Steatosis in Hyperphagic OLETF Rats. <i>Journal of Nutrition and Metabolism</i> , 2012 , 2012, 268680	2.7	20
21	Heat shock protein 72 regulates hepatic lipid accumulation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018 , 315, R696-R707	3.2	19
20	Aerobic capacity and hepatic mitochondrial lipid oxidation alters susceptibility for chronic high-fat diet-induced hepatic steatosis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 311, E749-E760	6	18
19	Low aerobic capacity and high-fat diet contribute to oxidative stress and IRS-1 degradation in the kidney. <i>American Journal of Nephrology</i> , 2009 , 30, 112-9	4.6	17
18	Sex modulates hepatic mitochondrial adaptations to high-fat diet and physical activity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019 , 317, E298-E311	6	15
17	Fibroblast growth factor 21 and exercise-induced hepatic mitochondrial adaptations. <i>American Journal of Physiology - Renal Physiology</i> , 2016 , 310, G832-43	5.1	15
16	Hepatic mitochondrial adaptations to physical activity: impact of sexual dimorphism, PGC1 α and BNIP3-mediated mitophagy. <i>Journal of Physiology</i> , 2018 , 596, 6157-6171	3.9	14
15	The presence of the ovary prevents hepatic mitochondrial oxidative stress in young and aged female mice through glutathione peroxidase 1. <i>Experimental Gerontology</i> , 2016 , 73, 14-22	4.5	11
14	eNOS deletion impairs mitochondrial quality control and exacerbates Western diet-induced NASH. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019 , 317, E605-E616	6	11
13	Early life stress reduces voluntary exercise and its prevention of diet-induced obesity and metabolic dysfunction in mice. <i>Physiology and Behavior</i> , 2020 , 223, 113000	3.5	9

12	Differential effects of low-fat and high-fat diets on fed-state hepatic triacylglycerol secretion, hepatic fatty acid profiles, and DGAT-1 protein expression in obese-prone Sprague-Dawley rats. <i>Applied Physiology, Nutrition and Metabolism</i> , 2014 , 39, 472-9	3	9
11	Increased aerobic capacity reduces susceptibility to acute high-fat diet-induced weight gain. <i>Obesity</i> , 2016 , 24, 1929-37	8	8
10	Fibroblast growth factor 21 increases hepatic oxidative capacity but not physical activity or energy expenditure in hepatic peroxisome proliferator-activated receptor α -coactivator-1 β -deficient mice. <i>Experimental Physiology</i> , 2018 , 103, 408-418	2.4	7
9	Intrinsic High Aerobic Capacity in Male Rats Protects Against Diet-Induced Insulin Resistance. <i>Endocrinology</i> , 2019 , 160, 1179-1192	4.8	6
8	Difference in Housing Temperature-Induced Energy Expenditure Elicits Sex-Specific Diet-Induced Metabolic Adaptations in Mice. <i>Obesity</i> , 2020 , 28, 1922-1931	8	5
7	Intrinsic (Genetic) Aerobic Fitness Impacts Susceptibility for Metabolic Disease. <i>Exercise and Sport Sciences Reviews</i> , 2017 , 45, 7-15	6.7	3
6	Voluntary wheel-running improves metabolic flexibility in the liver. <i>FASEB Journal</i> , 2012 , 26, 1b719	0.9	1
5	Hepatocyte-Specific Hepatocyte Nuclear Factor 4 Alpha (HNF4) Deletion Decreases Resting Energy Expenditure by Disrupting Lipid and Carbohydrate Homeostasis. <i>Gene Expression</i> , 2021 , 20, 157-168	3.4	1
4	An Omega-3-rich Anti-inflammatory Diet Improved Widespread Allodynia and Worsened Metabolic Outcomes in Adult Mice Exposed to Neonatal Maternal Separation. <i>Neuroscience</i> , 2021 , 468, 53-67	3.9	1
3	Lack of VMP1 Impairs Hepatic Lipoprotein Secretion and Promotes Nonalcoholic Steatohepatitis.. <i>Journal of Hepatology</i> , 2022 ,	13.4	1
2	Estradiol treatment and exercise improve hepatic mitochondrial outcomes in mice following ovariectomy. <i>FASEB Journal</i> , 2019 , 33, 699.5	0.9	
1	High-fat diet alters serum fatty acid profiles in obesity prone rats: implications for in-vitro studies. <i>FASEB Journal</i> , 2013 , 27, 373.7	0.9	