E Matthew Morris

List of Publications by Year in Descending Order

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	Lack of VMP1 Impairs Hepatic Lipoprotein Secretion and Promotes Nonalcoholic Steatohepatitis.. *Journal of Hepatology*, **2022**,	13.4	1
46	Hepatocyte-Specific Hepatocyte Nuclear Factor 4 Alpha (HNF4) Deletion Decreases Resting Energy Expenditure by Disrupting Lipid and Carbohydrate Homeostasis. *Gene Expression*, **2021**, 20, 157-168	3.4	1
45	An Omega-3-rich Anti-inflammatory Diet Improved Widespread Allodynia and Worsened Metabolic Outcomes in Adult Mice Exposed to Neonatal Maternal Separation. *Neuroscience*, **2021**, 468, 53-67	3.9	1
44	Early life stress reduces voluntary exercise and its prevention of diet-induced obesity and metabolic dysfunction in mice. *Physiology and Behavior*, **2020**, 223, 113000	3.5	9
43	Difference in Housing Temperature-Induced Energy Expenditure Elicits Sex-Specific Diet-Induced Metabolic Adaptations in Mice. *Obesity*, **2020**, 28, 1922-1931	8	5
42	Intrinsic High Aerobic Capacity in Male Rats Protects Against Diet-Induced Insulin Resistance. *Endocrinology*, **2019**, 160, 1179-1192	4.8	6
41	Sex modulates hepatic mitochondrial adaptations to high-fat diet and physical activity. *American Journal of Physiology - Endocrinology and Metabolism*, **2019**, 317, E298-E311	6	15
40	eNOS deletion impairs mitochondrial quality control and exacerbates Western diet-induced NASH. *American Journal of Physiology - Endocrinology and Metabolism*, **2019**, 317, E605-E616	6	11
39	Estradiol treatment and exercise improve hepatic mitochondrial outcomes in mice following ovariectomy. *FASEB Journal*, **2019**, 33, 699.5	0.9	
38	Hepatic mitochondrial adaptations to physical activity: impact of sexual dimorphism, PGC1□and BNIP3-mediated mitophagy. *Journal of Physiology*, **2018**, 596, 6157-6171	3.9	14
37	Heat shock protein 72 regulates hepatic lipid accumulation. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2018**, 315, R696-R707	3.2	19
36	Fibroblast growth factor 21 increases hepatic oxidative capacity but not physical activity or energy expenditure in hepatic peroxisome proliferator-activated receptor □coactivator-1□deficient mice. *Experimental Physiology*, **2018**, 103, 408-418	2.4	7
35	Intrinsic (Genetic) Aerobic Fitness Impacts Susceptibility for Metabolic Disease. *Exercise and Sport Sciences Reviews*, **2017**, 45, 7-15	6.7	3
34	Aerobic capacity mediates susceptibility for the transition from steatosis to steatohepatitis. *Journal of Physiology*, **2017**, 595, 4909-4926	3.9	21
33	Deficiency in the Heat Stress Response Could Underlie Susceptibility to Metabolic Disease. *Diabetes* , **2016**, 65, 3341-3351	0.9	21
32	Aerobic capacity and hepatic mitochondrial lipid oxidation alters susceptibility for chronic high-fat diet-induced hepatic steatosis. *American Journal of Physiology - Endocrinology and Metabolism*, **2016** , 311, E749-E760	6	18
31	The presence of the ovary prevents hepatic mitochondrial oxidative stress in young and aged female mice through glutathione peroxidase 1. *Experimental Gerontology*, **2016**, 73, 14-22	4.5	11

30	Aerobic exercise training in the treatment of non-alcoholic fatty liver disease related fibrosis. *Journal of Physiology*, **2016**, 594, 5271-84	3.9	31
29	Fibroblast growth factor 21 and exercise-induced hepatic mitochondrial adaptations. *American Journal of Physiology - Renal Physiology*, **2016**, 310, G832-43	5.1	15
28	Increased aerobic capacity reduces susceptibility to acute high-fat diet-induced weight gain. *Obesity*, **2016**, 24, 1929-37	8	8
27	Female rats selectively bred for high intrinsic aerobic fitness are protected from ovariectomy-associated metabolic dysfunction. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2015**, 308, R530-42	3.2	38
26	Combining metformin therapy with caloric restriction for the management of type 2 diabetes and nonalcoholic fatty liver disease in obese rats. *Applied Physiology, Nutrition and Metabolism*, **2015**, 40, 1038-47	3	27
25	High-Fat Diet Alters Serum Fatty Acid Profiles in Obesity Prone Rats: Implications for In Vitro Studies. *Lipids*, **2015**, 50, 997-1008	1.6	43
24	Treating NAFLD in OLETF rats with vigorous-intensity interval exercise training. *Medicine and Science in Sports and Exercise*, **2015**, 47, 556-67	1.2	50
23	Intrinsic aerobic capacity impacts susceptibility to acute high-fat diet-induced hepatic steatosis. *American Journal of Physiology - Endocrinology and Metabolism*, **2014**, 307, E355-64	6	43
22	Combining metformin and aerobic exercise training in the treatment of type 2 diabetes and NAFLD in OLETF rats. *American Journal of Physiology - Endocrinology and Metabolism*, **2014**, 306, E300-10	6	53
21	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. *Applied Physiology, Nutrition and Metabolism*, **2014**, 39, 472-9	3	9
20	Impact of various exercise modalities on hepatic mitochondrial function. *Medicine and Science in Sports and Exercise*, **2014**, 46, 1089-97	1.2	31
19	The role of angiotensin II in nonalcoholic steatohepatitis. *Molecular and Cellular Endocrinology*, **2013**, 378, 29-40	4.4	44
18	Reduced hepatic mitochondrial respiration following acute high-fat diet is prevented by PGC-1 overexpression. *American Journal of Physiology - Renal Physiology*, **2013**, 305, G868-80	5.1	29
17	Selective hepatic insulin resistance in a murine model heterozygous for a mitochondrial trifunctional protein defect. *Hepatology*, **2013**, 57, 2213-23	11.2	41
16	High-fat diet alters serum fatty acid profiles in obesity prone rats: implications for in-vitro studies. *FASEB Journal*, **2013**, 27, 373.7	0.9	
15	Voluntary wheel running selectively augments insulin-stimulated vasodilation in arterioles from white skeletal muscle of insulin-resistant rats. *Microcirculation*, **2012**, 19, 729-38	2.9	26
14	Exercise and Omega-3 Polyunsaturated Fatty Acid Supplementation for the Treatment of Hepatic Steatosis in Hyperphagic OLETF Rats. *Journal of Nutrition and Metabolism*, **2012**, 2012, 268680	2.7	20
13	PGC-1 overexpression results in increased hepatic fatty acid oxidation with reduced triacylglycerol accumulation and secretion. *American Journal of Physiology - Renal Physiology*, **2012**, 303, G979-92	5.1	93

12	Voluntary wheel-running improves metabolic flexibility in the liver. *FASEB Journal*, **2012**, 26, lb719	0.9	1
11	Daily exercise vs. caloric restriction for prevention of nonalcoholic fatty liver disease in the OLETF rat model. *American Journal of Physiology - Renal Physiology*, **2011**, 300, G874-83	5.1	103
10	Mitochondria and redox signaling in steatohepatitis. *Antioxidants and Redox Signaling*, **2011**, 15, 485-504	8.4	46
9	Changes in skeletal muscle mitochondria in response to the development of type 2 diabetes or prevention by daily wheel running in hyperphagic OLETF rats. *American Journal of Physiology - Endocrinology and Metabolism*, **2010**, 298, E1179-87	6	42
8	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. *Journal of Hepatology*, **2010**, 52, 727-36	13.4	317
7	Skeletal muscle mitochondrial and metabolic responses to a high-fat diet in female rats bred for high and low aerobic capacity. *Applied Physiology, Nutrition and Metabolism*, **2010**, 35, 151-62	3	34
6	Low aerobic capacity and high-fat diet contribute to oxidative stress and IRS-1 degradation in the kidney. *American Journal of Nephrology*, **2009**, 30, 112-9	4.6	17
5	Rats selectively bred for low aerobic capacity have reduced hepatic mitochondrial oxidative capacity and susceptibility to hepatic steatosis and injury. *Journal of Physiology*, **2009**, 587, 1805-16	3.9	120
4	Angiotensin II-induced non-alcoholic fatty liver disease is mediated by oxidative stress in transgenic TG(mRen2)27(Ren2) rats. *Journal of Hepatology*, **2008**, 49, 417-28	13.4	77
3	Mineralocorticoid receptor blockade attenuates chronic overexpression of the renin-angiotensin-aldosterone system stimulation of reduced nicotinamide adenine dinucleotide phosphate oxidase and cardiac remodeling. *Endocrinology*, **2007**, 148, 3773-80	4.8	88
2	Albumin activation of NAD(P)H oxidase activity is mediated via Rac1 in proximal tubule cells. *American Journal of Nephrology*, **2007**, 27, 15-23	4.6	57
1	Angiotensin II-induced NADPH oxidase activation impairs insulin signaling in skeletal muscle cells. *Journal of Biological Chemistry*, **2006**, 281, 35137-46	5.4	214