Justin A Fletcher

List of Publications by Citations

28 papers	973 citations	15 h-index	31 g-index
34 ext. papers	1,248 ext. citations	4.7 avg, IF	3.73 L-index

#	Paper	IF	Citations
28	Mitochondrial metabolism mediates oxidative stress and inflammation in fatty liver. *Journal of Clinical Investigation*, **2015**, 125, 4447-62	15.9	234
27	Simvastatin impairs exercise training adaptations. *Journal of the American College of Cardiology*, **2013**, 62, 709-14	15.1	171
26	Pyruvate-Carboxylase-Mediated Anaplerosis Promotes Antioxidant Capacity by Sustaining TCA Cycle and Redox Metabolism in Liver. *Cell Metabolism*, **2019**, 29, 1291-1305.e8	24.6	64
25	Impaired ketogenesis and increased acetyl-CoA oxidation promote hyperglycemia in human fatty liver. *JCI Insight*, **2019**, 5,	9.9	54
24	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
23	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
22	The role of angiotensin II in nonalcoholic steatohepatitis. *Molecular and Cellular Endocrinology*, **2013**, 378, 29-40	4.4	44
21	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
20	Gestational exercise protects adult male offspring from high-fat diet-induced hepatic steatosis. *Journal of Hepatology*, **2016**, 64, 171-8	13.4	39
19	Impact of various exercise modalities on hepatic mitochondrial function. *Medicine and Science in Sports and Exercise*, **2014**, 46, 1089-97	1.2	31
18	Modulating fibroblast growth factor 21 in hyperphagic OLETF rats with daily exercise and caloric restriction. *Applied Physiology, Nutrition and Metabolism*, **2012**, 37, 1054-62	3	28
17	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
16	Aerobic capacity mediates susceptibility for the transition from steatosis to steatohepatitis. *Journal of Physiology*, **2017**, 595, 4909-4926	3.9	21
15	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
14	Anti-inflammatory effects of exercise training in adipose tissue do not require FGF21. *Journal of Endocrinology*, **2017**, 235, 97-109	4.7	15
13	Fibroblast growth factor 21 and exercise-induced hepatic mitochondrial adaptations. *American Journal of Physiology - Renal Physiology*, **2016**, 310, G832-43	5.1	15
12	Simultaneous tracers and a unified model of positional and mass isotopomers for quantification of metabolic flux in liver. *Metabolic Engineering*, **2020**, 59, 1-14	9.7	12

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11	The effects of improved metabolic risk factors on bone turnover markers after 12 weeks of simvastatin treatment with or without exercise. *Metabolism: Clinical and Experimental*, **2014**, 63, 1398-408	12.7	11
10	A return to ad libitum feeding following caloric restriction promotes hepatic steatosis in hyperphagic OLETF rats. *American Journal of Physiology - Renal Physiology*, **2016**, 311, G387-95	5.1	7
9	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
8	Voluntary wheel-running improves metabolic flexibility in the liver. *FASEB Journal*, **2012**, 26, lb719	0.9	1
7	Silencing alanine transaminase 2 in diabetic liver attenuates hyperglycemia by reducing gluconeogenesis from amino acids.. *Cell Reports*, **2022**, 39, 110733	10.6	1
6	Exercise Normalizes Dysfunctional Adipose Tissue Phenotype in FGF21-Null Mice. *Medicine and Science in Sports and Exercise*, **2017**, 49, 1028	1.2	
5	Simultaneous 2H and 13C Metabolic Flux Analysis of Liver Metabolism Using NMR and GC-MS□Methods Validation and New Applications. *Diabetes*, **2018**, 67, 1876-P	0.9	
4	Effects of NAFLD on Acetyl-CoA Partitioning and Ketone Kinetics in Response to a 24-Hour Fast. *Diabetes*, **2018**, 67, 47-OR	0.9	
3	204-OR: Inhibition of Hepatic ACC on a High-Fat Diet Results in Hyperglycemia and Hepatomegaly Due to Excess Energy Generation. *Diabetes*, **2020**, 69, 204-OR	0.9	
2	1809-P: Liver Pyruvate Carboxylase Knockout Mice Suggest Noncanonical Sources of Acetyl-CoA for Hepatic Lipid Synthesis. *Diabetes*, **2020**, 69, 1809-P	0.9	
1	Improved efficacy of metformin therapy when combined with caloric restriction in the treatment of type 2 diabetes and NAFLD in OLETF rats (LB743). *FASEB Journal*, **2014**, 28, LB743	0.9	