

# John P Thyfault

## List of Publications by Citations

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179  
papers

6,160  
citations

44  
h-index

73  
g-index

191  
ext. papers

7,167  
ext. citations

3.9  
avg, IF

5.85  
L-index

#	Paper	IF	Citations
179	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> , <b>2010</b> , 52, 727-36	13.4	317
178	Elevated stearyl-CoA desaturase-1 expression in skeletal muscle contributes to abnormal fatty acid partitioning in obese humans. <i>Cell Metabolism</i> , <b>2005</b> , 2, 251-61	24.6	298
177	Role of Inactivity in Chronic Diseases: Evolutionary Insight and Pathophysiological Mechanisms. <i>Physiological Reviews</i> , <b>2017</b> , 97, 1351-1402	47.9	251
176	Nonalcoholic fatty liver disease and mitochondrial dysfunction. <i>World Journal of Gastroenterology</i> , <b>2008</b> , 14, 193-9	5.6	245
175	Non-alcoholic fatty liver disease and the metabolic syndrome: an update. <i>World Journal of Gastroenterology</i> , <b>2008</b> , 14, 185-92	5.6	237
174	Daily exercise increases hepatic fatty acid oxidation and prevents steatosis in Otsuka Long-Evans Tokushima Fatty rats. <i>American Journal of Physiology - Renal Physiology</i> , <b>2008</b> , 294, G619-26	5.1	207
173	A step-defined sedentary lifestyle index: . <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2013</b> , 38, 100-143		201
172	A 2-wk reduction of ambulatory activity attenuates peripheral insulin sensitivity. <i>Journal of Applied Physiology</i> , <b>2010</b> , 108, 1034-40	3.7	198
171	Simvastatin impairs exercise training adaptations. <i>Journal of the American College of Cardiology</i> , <b>2013</b> , 62, 709-14	15.1	171
170	Reduced physical activity and risk of chronic disease: the biology behind the consequences. <i>European Journal of Applied Physiology</i> , <b>2008</b> , 102, 381-90	3.4	133
169	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> , <b>2009</b> , 587, 1805-16	3.9	120
168	Artificial selection for high-capacity endurance running is protective against high-fat diet-induced insulin resistance. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2007</b> , 293, E31-41	6	109
167	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> , <b>2011</b> , 300, G874-83	5.1	103
166	PGC-1 $\beta$ overexpression results in increased hepatic fatty acid oxidation with reduced triacylglycerol accumulation and secretion. <i>American Journal of Physiology - Renal Physiology</i> , <b>2012</b> , 303, G979-92	5.1	93
165	Impact of reduced daily physical activity on conduit artery flow-mediated dilation and circulating endothelial microparticles. <i>Journal of Applied Physiology</i> , <b>2013</b> , 115, 1519-25	3.7	85
164	Impaired plasma fatty acid oxidation in extremely obese women. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2004</b> , 287, E1076-81	6	83
163	Lowering physical activity impairs glycemic control in healthy volunteers. <i>Medicine and Science in Sports and Exercise</i> , <b>2012</b> , 44, 225-31	1.2	82

162	Cessation of daily exercise dramatically alters precursors of hepatic steatosis in Otsuka Long-Evans Tokushima Fatty (OLETF) rats. <i>Journal of Physiology</i> , <b>2008</b> , 586, 4241-9	3.9	78
161	Insulin enhances the gain of arterial baroreflex control of muscle sympathetic nerve activity in humans. <i>Journal of Physiology</i> , <b>2010</b> , 588, 3593-603	3.9	77
160	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> , <b>2008</b> , 49, 417-28	13.4	77
159	Contraction of insulin-resistant muscle normalizes insulin action in association with increased mitochondrial activity and fatty acid catabolism. <i>American Journal of Physiology - Cell Physiology</i> , <b>2007</b> , 292, C729-39	5.4	66
158	Does physical inactivity cause nonalcoholic fatty liver disease?. <i>Journal of Applied Physiology</i> , <b>2011</b> , 111, 1828-35	3.7	65
157	The effect of autoregulatory progressive resistance exercise vs. linear periodization on strength improvement in college athletes. <i>Journal of Strength and Conditioning Research</i> , <b>2010</b> , 24, 1718-23	3.2	65
156	Rosuvastatin, a 3-hydroxy-3-methylglutaryl coenzyme a reductase inhibitor, decreases cardiac oxidative stress and remodeling in Ren2 transgenic rats. <i>Endocrinology</i> , <b>2007</b> , 148, 2181-8	4.8	65
155	Physiology of sedentary behavior and its relationship to health outcomes. <i>Medicine and Science in Sports and Exercise</i> , <b>2015</b> , 47, 1301-5	1.2	63
154	Changes in visceral adipose tissue mitochondrial content with type 2 diabetes and daily voluntary wheel running in OLETF rats. <i>Journal of Physiology</i> , <b>2009</b> , 587, 3729-39	3.9	61
153	Dipeptidyl peptidase-4 inhibition ameliorates Western diet-induced hepatic steatosis and insulin resistance through hepatic lipid remodeling and modulation of hepatic mitochondrial function. <i>Diabetes</i> , <b>2015</b> , 64, 1988-2001	0.9	59
152	Effectiveness of resistance training or jumping-exercise to increase bone mineral density in men with low bone mass: A 12-month randomized, clinical trial. <i>Bone</i> , <b>2015</b> , 79, 203-12	4.7	57
151	Fat metabolism and acute resistance exercise in trained men. <i>Journal of Applied Physiology</i> , <b>2007</b> , 102, 1767-72	3.7	56
150	Modification of insulin sensitivity and glycemic control by activity and exercise. <i>Medicine and Science in Sports and Exercise</i> , <b>2013</b> , 45, 1868-77	1.2	55
149	Cessation of daily wheel running differentially alters fat oxidation capacity in liver, muscle, and adipose tissue. <i>Journal of Applied Physiology</i> , <b>2009</b> , 106, 161-8	3.7	55
148	Inactivity induces increases in abdominal fat. <i>Journal of Applied Physiology</i> , <b>2007</b> , 102, 1341-7	3.7	55
147	Metabolic disruptions induced by reduced ambulatory activity in free-living humans. <i>Journal of Applied Physiology</i> , <b>2011</b> , 111, 1218-24	3.7	54
146	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> , <b>2014</b> , 306, E300-10	6	53
145	Treating NAFLD in OLETF rats with vigorous-intensity interval exercise training. <i>Medicine and Science in Sports and Exercise</i> , <b>2015</b> , 47, 556-67	1.2	50

144	Postdinner resistance exercise improves postprandial risk factors more effectively than predinner resistance exercise in patients with type 2 diabetes. <i>Journal of Applied Physiology</i> , <b>2015</b> , 118, 624-34	3.7	48
143	Lack of regular physical exercise or too much inactivity. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2011</b> , 14, 374-8	3.8	48
142	Oxidative stress-mediated mitochondrial dysfunction contributes to angiotensin II-induced nonalcoholic fatty liver disease in transgenic Ren2 rats. <i>American Journal of Pathology</i> , <b>2009</b> , 174, 1329-37 <sup>8</sup>	5.8	48
141	Resistance training and dietary protein: effects on glucose tolerance and contents of skeletal muscle insulin signaling proteins in older persons. <i>American Journal of Clinical Nutrition</i> , <b>2007</b> , 85, 1005-13	7.3	48
140	Daily physical activity enhances reactivity to insulin in skeletal muscle arterioles of hyperphagic Otsuka Long-Evans Tokushima Fatty rats. <i>Journal of Applied Physiology</i> , <b>2010</b> , 109, 1203-10	3.7	47
139	One bout of exercise alters free-living postprandial glycemia in type 2 diabetes. <i>Medicine and Science in Sports and Exercise</i> , <b>2014</b> , 46, 232-8	1.2	46
138	Mitochondria and redox signaling in steatohepatitis. <i>Antioxidants and Redox Signaling</i> , <b>2011</b> , 15, 485-504	8.4	46
137	Gestational diabetes is associated with depressed adiponectin levels. <i>Journal of the Society for Gynecologic Investigation</i> , <b>2005</b> , 12, 41-5		45
136	The role of angiotensin II in nonalcoholic steatohepatitis. <i>Molecular and Cellular Endocrinology</i> , <b>2013</b> , 378, 29-40	4.4	44
135	High-Fat Diet Alters Serum Fatty Acid Profiles in Obesity Prone Rats: Implications for In Vitro Studies. <i>Lipids</i> , <b>2015</b> , 50, 997-1008	1.6	43
134	Intrinsic aerobic capacity impacts susceptibility to acute high-fat diet-induced hepatic steatosis. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2014</b> , 307, E355-64	6	43
133	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> , <b>2010</b> , 298, E1179-87	6	42
132	Exercise and the metabolic syndrome with weight regain. <i>Journal of Applied Physiology</i> , <b>2010</b> , 109, 3-10	3.7	41
131	Obesity, type 2 diabetes, and impaired insulin-stimulated blood flow: role of skeletal muscle NO synthase and endothelin-1. <i>Journal of Applied Physiology</i> , <b>2017</b> , 122, 38-47	3.7	38
130	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> , <b>2015</b> , 308, R530-42	3.2	38
129	Exercise-induced attenuation of obesity, hyperinsulinemia, and skeletal muscle lipid peroxidation in the OLETF rat. <i>Journal of Applied Physiology</i> , <b>2008</b> , 104, 708-15	3.7	38
128	Exercise and metabolic health: beyond skeletal muscle. <i>Diabetologia</i> , <b>2020</b> , 63, 1464-1474	10.3	37
127	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> , <b>2010</b> , 35, 151-62	3	34

126	Setting the stage: possible mechanisms by which acute contraction restores insulin sensitivity in muscle. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2008</b> , 294, R1103-10	3.2	32
125	Impact of various exercise modalities on hepatic mitochondrial function. <i>Medicine and Science in Sports and Exercise</i> , <b>2014</b> , 46, 1089-97	1.2	31
124	Aerobic exercise training in the treatment of non-alcoholic fatty liver disease related fibrosis. <i>Journal of Physiology</i> , <b>2016</b> , 594, 5271-84	3.9	31
123	Reduced hepatic mitochondrial respiration following acute high-fat diet is prevented by PGC-1 $\alpha$ overexpression. <i>American Journal of Physiology - Renal Physiology</i> , <b>2013</b> , 305, G868-80	5.1	29
122	Acute response of plasma markers of bone turnover to a single bout of resistance training or plyometrics. <i>Journal of Applied Physiology</i> , <b>2011</b> , 111, 1353-60	3.7	29
121	Rest-interval length affects leukocyte levels during heavy resistance exercise. <i>Journal of Strength and Conditioning Research</i> , <b>2005</b> , 19, 16-22	3.2	29
120	Adipose tissue and vascular phenotypic modulation by voluntary physical activity and dietary restriction in obese insulin-resistant OLETF rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2014</b> , 306, R596-606	3.2	28
119	Modulating fibroblast growth factor 21 in hyperphagic OLETF rats with daily exercise and caloric restriction. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2012</b> , 37, 1054-62	3	28
118	Seven days of aerobic exercise training improves conduit artery blood flow following glucose ingestion in patients with type 2 diabetes. <i>Journal of Applied Physiology</i> , <b>2011</b> , 111, 657-64	3.7	28
117	Acute impact of intermittent pneumatic leg compression frequency on limb hemodynamics, vascular function, and skeletal muscle gene expression in humans. <i>Journal of Applied Physiology</i> , <b>2012</b> , 112, 2099-109	3.7	28
116	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> , <b>2015</b> , 40, 1038-47	3	27
115	Voluntary wheel running selectively augments insulin-stimulated vasodilation in arterioles from white skeletal muscle of insulin-resistant rats. <i>Microcirculation</i> , <b>2012</b> , 19, 729-38	2.9	26
114	A high-protein breakfast induces greater insulin and glucose-dependent insulinotropic peptide responses to a subsequent lunch meal in individuals with type 2 diabetes. <i>Journal of Nutrition</i> , <b>2015</b> , 145, 452-8	4.1	25
113	Exercise Combats Hepatic Steatosis: Potential Mechanisms and Clinical Implications. <i>Diabetes</i> , <b>2020</b> , 69, 517-524	0.9	25
112	Vitamin E and vitamin C do not reduce insulin sensitivity but inhibit mitochondrial protein expression in exercising obese rats. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2015</b> , 40, 343-52	3	24
111	Functional adaptations in the skeletal muscle microvasculature to endurance and interval sprint training in the type 2 diabetic OLETF rat. <i>Journal of Applied Physiology</i> , <b>2012</b> , 113, 1223-32	3.7	24
110	Metabolic inflexibility in skeletal muscle: a prelude to the cardiometabolic syndrome?. <i>Journal of the Cardiometabolic Syndrome</i> , <b>2006</b> , 1, 184-9		24
109	Inverse association between carbohydrate consumption and plasma adiponectin concentrations in humans. <i>Obesity</i> , <b>2016</b> , 24, 1731-40	8	23

108	Soy compared with milk protein in a Western diet changes fecal microbiota and decreases hepatic steatosis in obese OLETF rats. <i>Journal of Nutritional Biochemistry</i> , <b>2017</b> , 46, 125-136	6.3	22
107	Aerobic capacity mediates susceptibility for the transition from steatosis to steatohepatitis. <i>Journal of Physiology</i> , <b>2017</b> , 595, 4909-4926	3.9	21
106	Deficiency in the Heat Stress Response Could Underlie Susceptibility to Metabolic Disease. <i>Diabetes</i> , <b>2016</b> , 65, 3341-3351	0.9	21
105	Impaired fasting glucose is associated with increased regional cerebral amyloid. <i>Neurobiology of Aging</i> , <b>2016</b> , 44, 138-142	5.6	21
104	Cognitively impaired elderly exhibit insulin resistance and no memory improvement with infused insulin. <i>Neurobiology of Aging</i> , <b>2016</b> , 39, 19-24	5.6	21
103	Effects of intrinsic aerobic capacity and ovariectomy on voluntary wheel running and nucleus accumbens dopamine receptor gene expression. <i>Physiology and Behavior</i> , <b>2016</b> , 164, 383-9	3.5	20
102	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> , <b>2012</b> , 2012, 268680	2.7	20
101	Acute inactivity impairs glycemic control but not blood flow to glucose ingestion. <i>Medicine and Science in Sports and Exercise</i> , <b>2015</b> , 47, 1087-94	1.2	19
100	Heat shock protein 72 regulates hepatic lipid accumulation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2018</b> , 315, R696-R707	3.2	19
99	Role of habitual physical activity in modulating vascular actions of insulin. <i>Experimental Physiology</i> , <b>2015</b> , 100, 759-71	2.4	19
98	Resistance exercise and aerobic exercise when paired with dietary energy restriction both reduce the clinical components of metabolic syndrome in previously physically inactive males. <i>European Journal of Applied Physiology</i> , <b>2012</b> , 112, 2035-44	3.4	19
97	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> , <b>2016</b> , 311, E749-E760	6	18
96	Effects of ovariectomy and intrinsic aerobic capacity on tissue-specific insulin sensitivity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2016</b> , 310, E190-9	6	18
95	Serum sclerostin decreases following 12 months of resistance- or jump-training in men with low bone mass. <i>Bone</i> , <b>2017</b> , 96, 85-90	4.7	18
94	Wheel running prevents the accumulation of monounsaturated fatty acids in the liver of ovariectomized mice by attenuating changes in SCD-1 content. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2011</b> , 36, 798-810	3	18
93	Pinitol supplementation does not affect insulin-mediated glucose metabolism and muscle insulin receptor content and phosphorylation in older humans. <i>Journal of Nutrition</i> , <b>2004</b> , 134, 2998-3003	4.1	18
92	Differential vasomotor effects of insulin on gastrocnemius and soleus feed arteries in the OLETF rat model: role of endothelin-1. <i>Experimental Physiology</i> , <b>2014</b> , 99, 262-71	2.4	17
91	Hepatic steatosis development with four weeks of physical inactivity in previously active, hyperphagic OLETF rats. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2013</b> , 304, R763-71	3.2	17

90	Metabolic profiling of muscle contraction in lean compared with obese rodents. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2010</b> , 299, R926-34	3.2	17
89	Low aerobic capacity and high-fat diet contribute to oxidative stress and IRS-1 degradation in the kidney. <i>American Journal of Nephrology</i> , <b>2009</b> , 30, 112-9	4.6	17
88	"Weighing" the effects of exercise and intrinsic aerobic capacity: are there beneficial effects independent of changes in weight?. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2016</b> , 41, 911-6	3	17
87	Sedentary Behavior and Cardiometabolic Health Associations in Obese 11-13-Year Olds. <i>Childhood Obesity</i> , <b>2017</b> , 13, 425-432	2.5	16
86	Exercise and Postprandial Glycemic Control in Type 2 Diabetes. <i>Current Diabetes Reviews</i> , <b>2016</b> , 12, 199-210	16	
85	Sex modulates hepatic mitochondrial adaptations to high-fat diet and physical activity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2019</b> , 317, E298-E311	6	15
84	Anti-inflammatory effects of exercise training in adipose tissue do not require FGF21. <i>Journal of Endocrinology</i> , <b>2017</b> , 235, 97-109	4.7	15
83	Fibroblast growth factor 21 and exercise-induced hepatic mitochondrial adaptations. <i>American Journal of Physiology - Renal Physiology</i> , <b>2016</b> , 310, G832-43	5.1	15
82	A bioenergetics systems evaluation of ketogenic diet liver effects. <i>Applied Physiology, Nutrition and Metabolism</i> , <b>2017</b> , 42, 955-962	3	14
81	Hepatic mitochondrial adaptations to physical activity: impact of sexual dimorphism, PGC1 $\alpha$ and BNIP3-mediated mitophagy. <i>Journal of Physiology</i> , <b>2018</b> , 596, 6157-6171	3.9	14
80	Effects of liquid carbohydrate ingestion on markers of anabolism following high-intensity resistance exercise. <i>Journal of Strength and Conditioning Research</i> , <b>2004</b> , 18, 174-9	3.2	14
79	Insulin increases ventilation during euglycemia in humans. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2018</b> , 315, R84-R89	3.2	13
78	Effect of APOE $\epsilon$ Genotype on Metabolic Biomarkers in Aging and Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , <b>2017</b> , 58, 1129-1135	4.3	12
77	Exercise Test Performance Reveals Evidence of the Cardiorespiratory Fitness Hypothesis. <i>Journal of Aging and Physical Activity</i> , <b>2017</b> , 25, 240-246	1.6	12
76	Oxylipin Profiling of Alzheimer's Disease in Nondiabetic and Type 2 Diabetic Elderly. <i>Metabolites</i> , <b>2019</b> , 9,	5.6	11
75	Prior exercise does not alter the incretin response to a subsequent meal in obese women. <i>Peptides</i> , <b>2015</b> , 71, 94-9	3.8	11
74	The presence of the ovary prevents hepatic mitochondrial oxidative stress in young and aged female mice through glutathione peroxidase 1. <i>Experimental Gerontology</i> , <b>2016</b> , 73, 14-22	4.5	11
73	eNOS deletion impairs mitochondrial quality control and exacerbates Western diet-induced NASH. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2019</b> , 317, E605-E616	6	11

72	The effects of improved metabolic risk factors on bone turnover markers after 12 weeks of simvastatin treatment with or without exercise. <i>Metabolism: Clinical and Experimental</i> , <b>2014</b> , 63, 1398-408	12.7	11
71	Metabolic Derangements Contribute to Reduced sRAGE Isoforms in Subjects with Alzheimer's Disease. <i>Mediators of Inflammation</i> , <b>2018</b> , 2018, 2061376	4.3	11
70	Voluntary Running Attenuates Metabolic Dysfunction in Ovariectomized Low-Fit Rats. <i>Medicine and Science in Sports and Exercise</i> , <b>2017</b> , 49, 254-264	1.2	10
69	AMPK agonist AICAR delays the initial decline in lifetime-apex V o2 peak, while voluntary wheel running fails to delay its initial decline in female rats. <i>Physiological Genomics</i> , <b>2016</b> , 48, 101-15	3.6	10
68	Reduced mitochondrial reactive oxygen species production in peripheral nerves of mice fed a ketogenic diet. <i>Experimental Physiology</i> , <b>2018</b> , 103, 1206-1212	2.4	10
67	Early life stress reduces voluntary exercise and its prevention of diet-induced obesity and metabolic dysfunction in mice. <i>Physiology and Behavior</i> , <b>2020</b> , 223, 113000	3.5	9
66	The serum metabolomics signature of type 2 diabetes is obscured in Alzheimer's disease. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2018</b> , 314, E584-E596	6	9
65	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> , <b>2014</b> , 39, 472-9	3	9
64	Preconceptional, Gestational, and Lactational Exposure to an Unconventional Oil and Gas Chemical Mixture Alters Energy Expenditure in Adult Female Mice. <i>Frontiers in Endocrinology</i> , <b>2019</b> , 10, 323	5.7	8
63	Developmental Exposure to a Mixture of Unconventional Oil and Gas Chemicals Increased Risk-Taking Behavior, Activity and Energy Expenditure in Aged Female Mice After a Metabolic Challenge. <i>Frontiers in Endocrinology</i> , <b>2019</b> , 10, 460	5.7	8
62	Influence of endurance training on central sympathetic outflow to skeletal muscle in response to a mixed meal. <i>Journal of Applied Physiology</i> , <b>2010</b> , 108, 882-90	3.7	8
61	Ovariectomized Highly Fit Rats Are Protected against Diet-Induced Insulin Resistance. <i>Medicine and Science in Sports and Exercise</i> , <b>2016</b> , 48, 1259-69	1.2	8
60	Increased aerobic capacity reduces susceptibility to acute high-fat diet-induced weight gain. <i>Obesity</i> , <b>2016</b> , 24, 1929-37	8	8
59	Influence of physical inactivity on arterial compliance during a glucose challenge. <i>Experimental Physiology</i> , <b>2018</b> , 103, 483-494	2.4	7
58	A return to ad libitum feeding following caloric restriction promotes hepatic steatosis in hyperphagic OLETF rats. <i>American Journal of Physiology - Renal Physiology</i> , <b>2016</b> , 311, G387-95	5.1	7
57	Metformin does not enhance insulin-stimulated vasodilation in skeletal muscle resistance arteries of the OLETF rat. <i>Microcirculation</i> , <b>2013</b> , 20, 764-75	2.9	7
56	The effects of resistance training on metabolic health with weight regain. <i>Journal of Clinical Hypertension</i> , <b>2010</b> , 12, 64-72	2.3	7
55	Barriers in translating preclinical rodent exercise metabolism findings to human health. <i>Journal of Applied Physiology</i> , <b>2021</b> , 130, 182-192	3.7	7



54	Fibroblast growth factor 21 increases hepatic oxidative capacity but not physical activity or energy expenditure in hepatic peroxisome proliferator-activated receptor $\alpha$ activator-1 deficient mice. <i>Experimental Physiology</i> , <b>2018</b> , 103, 408-418	2.4	7
53	Intrinsic High Aerobic Capacity in Male Rats Protects Against Diet-Induced Insulin Resistance. <i>Endocrinology</i> , <b>2019</b> , 160, 1179-1192	4.8	6
52	Relationships between urinary inositol excretions and whole-body glucose tolerance and skeletal muscle insulin receptor phosphorylation. <i>Metabolism: Clinical and Experimental</i> , <b>2008</b> , 57, 1545-51	12.7	6
51	Exercise-Pharmacology Interactions: Metformin, Statins, and Healthspan. <i>Physiology</i> , <b>2020</b> , 35, 338-347	9.8	6
50	Mutational mimics of allosteric effectors: a genome editing design to validate allosteric drug targets. <i>Scientific Reports</i> , <b>2019</b> , 9, 9031	4.9	5
49	Divergent role of nitric oxide in insulin-stimulated aortic vasorelaxation between low- and high-intrinsic aerobic capacity rats. <i>Physiological Reports</i> , <b>2015</b> , 3, e12459	2.6	5
48	Difference in Housing Temperature-Induced Energy Expenditure Elicits Sex-Specific Diet-Induced Metabolic Adaptations in Mice. <i>Obesity</i> , <b>2020</b> , 28, 1922-1931	8	5
47	Soy Protein Isolate Suppresses Bone Resorption and Improves Trabecular Microarchitecture in Spontaneously Hyperphagic, Rapidly Growing Male OLETF Rats. <i>Current Developments in Nutrition</i> , <b>2018</b> , 2, nzy010	0.4	4
46	Rats bred for low and high running capacity display alterations in peripheral tissues and nerves relevant to neuropathy and pain. <i>Brain and Behavior</i> , <b>2017</b> , 7, e00780	3.4	4
45	Postprandial metabolism in resistance-trained versus sedentary males. <i>Medicine and Science in Sports and Exercise</i> , <b>2004</b> , 36, 709-16	1.2	4
44	Sex and BNIP3 genotype, rather than acute lipid injection, modulate hepatic mitochondrial function and steatosis risk in mice. <i>Journal of Applied Physiology</i> , <b>2020</b> , 128, 1251-1261	3.7	4
43	Mild Cognitive Impairment and Donepezil Impact Mitochondrial Respiratory Capacity in Skeletal Muscle. <i>Function</i> , <b>2021</b> , 2, zqab045	6.1	4
42	Intrinsic (Genetic) Aerobic Fitness Impacts Susceptibility for Metabolic Disease. <i>Exercise and Sport Sciences Reviews</i> , <b>2017</b> , 45, 7-15	6.7	3
41	Region-specific differences in bioenergetic proteins and protein response to acute high fat diet in brains of low and high capacity runner rats. <i>Neuroscience Letters</i> , <b>2018</b> , 674, 49-53	3.3	3
40	Physiological Responses to Sedentary Behaviour. <i>Springer Series on Epidemiology and Public Health</i> , <b>2018</b> , 109-153	0.4	3
39	High Intrinsic Aerobic Capacity Protects against Ethanol-Induced Hepatic Injury and Metabolic Dysfunction: Study Using High Capacity Runner Rat Model. <i>Biomolecules</i> , <b>2015</b> , 5, 3295-308	5.9	3
38	EFFECTS OF LIQUID CARBOHYDRATE INGESTION ON MARKERS OF ANABOLISM FOLLOWING HIGH-INTENSITY RESISTANCE EXERCISE. <i>Journal of Strength and Conditioning Research</i> , <b>2004</b> , 18, 174-179	2.2	3
37	Divergence in aerobic capacity impacts bile acid metabolism in young women. <i>Journal of Applied Physiology</i> , <b>2020</b> , 129, 768-778	3.7	3

36	Critical Role for Hepatocyte-Specific eNOS in NAFLD and NASH. <i>Diabetes</i> , <b>2021</b> , 70, 2476-2491	0.9	3
35	NCB5OR Deficiency in the Cerebellum and Midbrain Leads to Dehydration and Alterations in Thirst Response, Fasted Feeding Behavior, and Voluntary Exercise in Mice. <i>Cerebellum</i> , <b>2018</b> , 17, 152-164	4.3	2
34	Red wine enhances glucose-dependent insulinotropic peptide (GIP) and insulin responses in type 2 diabetes during an oral glucose tolerance test. <i>Diabetology International</i> , <b>2016</b> , 7, 173-180	2.3	2
33	Validation of a New Skinfold Prediction Equation Based on Dual-Energy X-Ray Absorptiometry. <i>Measurement in Physical Education and Exercise Science</i> , <b>2014</b> , 18, 198-208	1.9	2
32	Exercise: One size does not fit all. <i>Journal of Physiology</i> , <b>2020</b> , 598, 3819-3820	3.9	2
31	Estradiol treatment or modest exercise improves hepatic health and mitochondrial outcomes in female mice following ovariectomy. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2021</b> , 320, E1020-E1031	6	2
30	Exercise: not just a medicine for muscle?. <i>Journal of Physiology</i> , <b>2010</b> , 588, 2687-8	3.9	1
29	Linking aerobic fitness, nonalcoholic fatty liver disease and the metabolic syndrome. <i>Expert Review of Endocrinology and Metabolism</i> , <b>2009</b> , 4, 299-301	4.1	1
28	Voluntary wheel-running improves metabolic flexibility in the liver. <i>FASEB Journal</i> , <b>2012</b> , 26, lb719	0.9	1
27	Hepatocyte-Specific Hepatocyte Nuclear Factor 4 Alpha (HNF4) Deletion Decreases Resting Energy Expenditure by Disrupting Lipid and Carbohydrate Homeostasis. <i>Gene Expression</i> , <b>2021</b> , 20, 157-168	3.4	1
26	Heat Treatment Improves Hepatic Mitochondrial Respiratory Efficiency via Mitochondrial Remodeling. <i>Function</i> , <b>2021</b> , 2, zqab001	6.1	1
25	P3-231: ALZHEIMER'S DISEASE SUBJECTS EXHIBIT IMPAIRED SYSTEMIC GLUCOSE METABOLISM FOLLOWING A MIXED MEAL <b>2018</b> , 14, P1159-P1160		1
24	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> , <b>2021</b> , 468, 53-67	3.9	1
23	Lack of VMP1 Impairs Hepatic Lipoprotein Secretion and Promotes Nonalcoholic Steatohepatitis. <i>Journal of Hepatology</i> , <b>2022</b> ,	13.4	1
22	Intrinsic Aerobic Capacity Affects Hippocampal pAkt and HSP72 Response to an Acute High Fat Diet and Heat Treatment in Rats. <i>Journal of Alzheimer's Disease Reports</i> , <b>2021</b> , 5, 469-475	3.3	0
21	Sedentary Behavior Counseling Intervention in Aging People With Type 2 Diabetes: A Feasibility Study. <i>Clinical Medicine Insights: Endocrinology and Diabetes</i> , <b>2021</b> , 14, 11795514211040540	4.3	0
20	Timing and intensity of exercise for glucose control. Reply to Chacko E. [letter]. <i>Diabetologia</i> , <b>2014</b> , 57, 2427	10.3	
19	The effect of acute pinitol supplementation on whole body and skeletal muscle insulin-mediated glucose metabolism. <i>FASEB Journal</i> , <b>2006</b> , 20, A594	0.9	

18	Resistance training increases and protein intake does not influence skeletal muscle aPKC zeta/lambda content in older men and women. <i>FASEB Journal</i> , <b>2006</b> , 20, A169	0.9
17	Urinary D-chiro inositol excretion is related to glucose control and skeletal muscle insulin receptor phosphorylation. <i>FASEB Journal</i> , <b>2007</b> , 21, A836	0.9
16	Effect of moderate fat/high sucrose diet on glycogen synthesis rates in rat skeletal muscle upon the cessation of voluntary wheel running. <i>FASEB Journal</i> , <b>2007</b> , 21, A691	0.9
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14	Acute Heat Therapy Increases Murine Hepatic Mitophagy. <i>FASEB Journal</i> , <b>2019</b> , 33, 699.8	0.9
13	Novel Pilot Study Reveals that Heat Therapy Increases Muscle Mitochondrial Quality Control and Respiratory Efficiency in Healthy Human Subjects. <i>FASEB Journal</i> , <b>2019</b> , 33, 699.1	0.9
12	Estradiol treatment and exercise improve hepatic mitochondrial outcomes in mice following ovariectomy. <i>FASEB Journal</i> , <b>2019</b> , 33, 699.5	0.9
11	Low intrinsic aerobic fitness increases susceptibility to OVX-induced obesity and insulin resistance in the absence of adipose tissue inflammation (1028.3). <i>FASEB Journal</i> , <b>2014</b> , 28, 1028.3	0.9
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9	Physical inactivity rapidly alters glycemic control in young, lean, previously active volunteers. <i>FASEB Journal</i> , <b>2010</b> , 24, 1044.2	0.9
8	Reply to Scott, Sale, Greeves, and Fraser. <i>Journal of Applied Physiology</i> , <b>2012</b> , 112, 330-330	3.7
7	Acetylcholine and insulin-mediated vasodilation in feed arteries and arterioles of rat skeletal muscle of different fiber type composition. <i>FASEB Journal</i> , <b>2012</b> , 26, 1142.20	0.9
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2	Intrinsic aerobic capacity, sex, and brain aging: Determinants of Alzheimer's disease risk. <i>Alzheimer's and Dementia</i> , <b>2021</b> , 17 Suppl 3, e054940	1.2
1	Interactions Between Statins, Exercise, and Health: A Clinical Update. <i>Bioengineered</i> , <b>2022</b> , 11, 54-61	5.7

