John P Thyfault

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1399148/publications.pdf

Version: 2024-02-01

183 papers	8,122 citations	43973 48 h-index	58464 82 g-index
191 all docs	191 docs citations	191 times ranked	10805 citing authors

#	Article	IF	Citations
1	Role of Inactivity in Chronic Diseases: Evolutionary Insight and Pathophysiological Mechanisms. Physiological Reviews, 2017, 97, 1351-1402.	13.1	422
2	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, 727-736.	1.8	394
3	Elevated stearoyl-CoA desaturase-1 expression in skeletal muscle contributes to abnormal fatty acid partitioning in obese humans. Cell Metabolism, 2005, 2, 251-261.	7.2	326
4	Nonalcoholic fatty liver disease and mitochondrial dysfunction. World Journal of Gastroenterology, 2008, 14, 193.	1.4	290
5	Non-alcoholic fatty liver disease and the metabolic syndrome: An update. World Journal of Gastroenterology, 2008, 14, 185.	1.4	280
6	A step-defined sedentary lifestyle index: <5000 steps/day. Applied Physiology, Nutrition and Metabolism, 2013, 38, 100-114.	0.9	279
7	Daily exercise increases hepatic fatty acid oxidation and prevents steatosis in Otsuka Long-Evans Tokushima Fatty rats. American Journal of Physiology - Renal Physiology, 2008, 294, G619-G626.	1.6	244
8	A 2-wk reduction of ambulatory activity attenuates peripheral insulin sensitivity. Journal of Applied Physiology, 2010, 108, 1034-1040.	1.2	236
9	Simvastatin Impairs Exercise Training Adaptations. Journal of the American College of Cardiology, 2013, 62, 709-714.	1.2	210
10	Reduced physical activity and risk of chronic disease: the biology behind the consequences. European Journal of Applied Physiology, 2008, 102, 381-390.	1.2	174
11	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, 1805-1816.	1.3	143
12	PGC-1Î± overexpression results in increased hepatic fatty acid oxidation with reduced triacylglycerol accumulation and secretion. American Journal of Physiology - Renal Physiology, 2012, 303, G979-G992.	1.6	142
13	Exercise and metabolic health: beyond skeletal muscle. Diabetologia, 2020, 63, 1464-1474.	2.9	134
14	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-G883.	1.6	124
15	Artificial selection for high-capacity endurance running is protective against high-fat diet-induced insulin resistance. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E31-E41.	1.8	121
16	Lowering Physical Activity Impairs Glycemic Control in Healthy Volunteers. Medicine and Science in Sports and Exercise, 2012, 44, 225-231.	0.2	107
17	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, 417-428.	1.8	101
18	Impact of reduced daily physical activity on conduit artery flow-mediated dilation and circulating endothelial microparticles. Journal of Applied Physiology, 2013, 115, 1519-1525.	1.2	100

#	Article	IF	Citations
19	Impaired plasma fatty acid oxidation in extremely obese women. American Journal of Physiology - Endocrinology and Metabolism, 2004, 287, E1076-E1081.	1.8	95
20	Physiology of Sedentary Behavior and Its Relationship to Health Outcomes. Medicine and Science in Sports and Exercise, 2015, 47, 1301-1305.	0.2	92
21	Cessation of daily exercise dramatically alters precursors of hepatic steatosis in Otsuka Longâ€Evans Tokushima Fatty (OLETF) rats. Journal of Physiology, 2008, 586, 4241-4249.	1.3	88
22	Insulin enhances the gain of arterial baroreflex control of muscle sympathetic nerve activity in humans. Journal of Physiology, 2010, 588, 3593-3603.	1.3	87
23	The Effect of Autoregulatory Progressive Resistance Exercise vs. Linear Periodization on Strength Improvement in College Athletes. Journal of Strength and Conditioning Research, 2010, 24, 1718-1723.	1.0	84
24	Contraction of insulin-resistant muscle normalizes insulin action in association with increased mitochondrial activity and fatty acid catabolism. American Journal of Physiology - Cell Physiology, 2007, 292, C729-C739.	2.1	77
25	Effectiveness of resistance training or jumping-exercise to increase bone mineral density in men with low bone mass: A 12-month randomized, clinical trial. Bone, 2015, 79, 203-212.	1.4	76
26	Fat metabolism and acute resistance exercise in trained men. Journal of Applied Physiology, 2007, 102, 1767-1772.	1.2	74
27	Does physical inactivity cause nonalcoholic fatty liver disease?. Journal of Applied Physiology, 2011, 111, 1828-1835.	1.2	74
28	Changes in visceral adipose tissue mitochondrial content with type 2 diabetes and daily voluntary wheel running in OLETF rats. Journal of Physiology, 2009, 587, 3729-3739.	1.3	71
29	Treating NAFLD in OLETF Rats with Vigorous-Intensity Interval Exercise Training. Medicine and Science in Sports and Exercise, 2015, 47, 556-567.	0.2	71
30	Metabolic disruptions induced by reduced ambulatory activity in free-living humans. Journal of Applied Physiology, 2011, 111, 1218-1224.	1.2	69
31	Dipeptidyl Peptidase-4 Inhibition Ameliorates Western Dietâ€“Induced Hepatic Steatosis and Insulin Resistance Through Hepatic Lipid Remodeling and Modulation of Hepatic Mitochondrial Function. Diabetes, 2015, 64, 1988-2001.	0.3	69
32	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-E310.	1.8	68
33	Rosuvastatin, a 3-Hydroxy-3-Methylglutaryl Coenzyme A Reductase Inhibitor, Decreases Cardiac Oxidative Stress and Remodeling in Ren2 Transgenic Rats. Endocrinology, 2007, 148, 2181-2188.	1.4	67
34	Postdinner resistance exercise improves postprandial risk factors more effectively than predinner resistance exercise in patients with type 2 diabetes. Journal of Applied Physiology, 2015, 118, 624-634.	1.2	67
35	Modification of Insulin Sensitivity and Glycemic Control by Activity and Exercise. Medicine and Science in Sports and Exercise, 2013, 45, 1868-1877.	0.2	65
36	Cessation of daily wheel running differentially alters fat oxidation capacity in liver, muscle, and adipose tissue. Journal of Applied Physiology, 2009, 106, 161-168.	1.2	64

#	Article	IF	Citations
37	Inactivity induces increases in abdominal fat. Journal of Applied Physiology, 2007, 102, 1341-1347.	1.2	63
38	Lack of regular physical exercise or too much inactivity. Current Opinion in Clinical Nutrition and Metabolic Care, 2011, 14, 374-378.	1.3	60
39	One Bout of Exercise Alters Free-Living Postprandial Glycemia in Type 2 Diabetes. Medicine and Science in Sports and Exercise, 2014, 46, 232-238.	0.2	60
40	Mitochondria and Redox Signaling in Steatohepatitis. Antioxidants and Redox Signaling, 2011, 15, 485-504.	2.5	58
41	Intrinsic aerobic capacity impacts susceptibility to acute high-fat diet-induced hepatic steatosis. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E355-E364.	1.8	58
42	The role of angiotensin II in nonalcoholic steatohepatitis. Molecular and Cellular Endocrinology, 2013, 378, 29-40.	1.6	57
43	Oxidative Stress-Mediated Mitochondrial Dysfunction Contributes to Angiotensin II-Induced Nonalcoholic Fatty Liver Disease in Transgenic Ren2 Rats. American Journal of Pathology, 2009, 174, 1329-1337.	1.9	56
44	Gestational Diabetes is Associated with Depressed Adiponectin Levels. Journal of the Society for Gynecologic Investigation, 2005, 12, 41-45.	1.9	55
45	Exercise Combats Hepatic Steatosis: Potential Mechanisms and Clinical Implications. Diabetes, 2020, 69, 517-524.	0.3	55
46	Obesity, type 2 diabetes, and impaired insulin-stimulated blood flow: role of skeletal muscle NO synthase and endothelin-1. Journal of Applied Physiology, 2017, 122, 38-47.	1.2	53
47	Resistance training and dietary protein: effects on glucose tolerance and contents of skeletal muscle insulin signaling proteins in older persons. American Journal of Clinical Nutrition, 2007, 85, 1005-1013.	2.2	52
48	Daily physical activity enhances reactivity to insulin in skeletal muscle arterioles of hyperphagic Otsuka Long-Evans Tokushima Fatty rats. Journal of Applied Physiology, 2010, 109, 1203-1210.	1.2	52
49	Highâ€Fat Diet Alters Serum Fatty Acid Profiles in Obesity Prone Rats: Implications for InVitro Studies. Lipids, 2015, 50, 997-1008.	0.7	50
50	Rest-Interval Length Affects Leukocyte Levels During Heavy Resistance Exercise. Journal of Strength and Conditioning Research, 2005, 19, 16.	1.0	49
51	Impact of Various Exercise Modalities on Hepatic Mitochondrial Function. Medicine and Science in Sports and Exercise, 2014, 46, 1089-1097.	0.2	48
52	Exercise and the metabolic syndrome with weight regain. Journal of Applied Physiology, 2010, 109, 3-10.	1.2	47
53	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-E1187.	1.8	46
54	Aerobic exercise training in the treatment of nonâ€alcoholic fatty liver disease related fibrosis. Journal of Physiology, 2016, 594, 5271-5284.	1.3	45

#	Article	IF	Citations
55	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-R542.	0.9	44
56	Exercise-induced attenuation of obesity, hyperinsulinemia, and skeletal muscle lipid peroxidation in the OLETF rat. Journal of Applied Physiology, 2008, 104, 708-715.	1.2	43
57	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, 151-162.	0.9	41
58	Modulating fibroblast growth factor 21 in hyperphagic OLETF rats with daily exercise and caloric restriction. Applied Physiology, Nutrition and Metabolism, 2012, 37, 1054-1062.	0.9	41
59	Setting the stage: possible mechanisms by which acute contraction restores insulin sensitivity in muscle. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2008, 294, R1103-R1110.	0.9	40
60	Acute impact of intermittent pneumatic leg compression frequency on limb hemodynamics, vascular function, and skeletal muscle gene expression in humans. Journal of Applied Physiology, 2012, 112, 2099-2109.	1.2	39
61	Acute response of plasma markers of bone turnover to a single bout of resistance training or plyometrics. Journal of Applied Physiology, 2011, 111, 1353-1360.	1.2	38
62	Reduced hepatic mitochondrial respiration following acute high-fat diet is prevented by PGC-1Î± overexpression. American Journal of Physiology - Renal Physiology, 2013, 305, G868-G880.	1.6	38
63	Vitamin E and vitamin C do not reduce insulin sensitivity but inhibit mitochondrial protein expression in exercising obese rats. Applied Physiology, Nutrition and Metabolism, 2015, 40, 343-352.	0.9	37
64	Hepatic mitochondrial adaptations to physical activity: impact of sexual dimorphism, PGC1Î± and BNIP3â€mediated mitophagy. Journal of Physiology, 2018, 596, 6157-6171.	1.3	37
65	Sex modulates hepatic mitochondrial adaptations to high-fat diet and physical activity. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E298-E311.	1.8	37
66	Inverse association between carbohydrate consumption and plasma adropin concentrations in humans. Obesity, 2016, 24, 1731-1740.	1.5	36
67	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, 1038-1047.	0.9	35
68	Seven days of aerobic exercise training improves conduit artery blood flow following glucose ingestion in patients with type 2 diabetes. Journal of Applied Physiology, 2011, 111, 657-664.	1.2	34
69	Deficiency in the Heat Stress Response Could Underlie Susceptibility to Metabolic Disease. Diabetes, 2016, 65, 3341-3351.	0.3	34
70	Heat shock protein 72 regulates hepatic lipid accumulation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R696-R707.	0.9	34
71	Adipose tissue and vascular phenotypic modulation by voluntary physical activity and dietary restriction in obese insulin-resistant OLETF rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 306, R596-R606.	0.9	33
72	Serum sclerostin decreases following 12months of resistance- or jump-training in men with low bone mass. Bone, 2017, 96, 85-90.	1.4	33

#	Article	IF	Citations
73	Soy compared with milk protein in a Western diet changes fecal microbiota and decreases hepatic steatosis in obese OLETF rats. Journal of Nutritional Biochemistry, 2017, 46, 125-136.	1.9	32
74	Effects of intrinsic aerobic capacity and ovariectomy on voluntary wheel running and nucleus accumbens dopamine receptor gene expression. Physiology and Behavior, 2016, 164, 383-389.	1.0	30
75	Role of habitual physical activity in modulating vascular actions of insulin. Experimental Physiology, 2015, 100, 759-771.	0.9	29
76	Voluntary Wheel Running Selectively Augments Insulinâ€Stimulated Vasodilation in Arterioles from White Skeletal Muscle of Insulinâ€Resistant Rats. Microcirculation, 2012, 19, 729-738.	1.0	28
77	Acute Inactivity Impairs Glycemic Control but Not Blood Flow to Glucose Ingestion. Medicine and Science in Sports and Exercise, 2015, 47, 1087-1094.	0.2	28
78	Cognitively impaired elderly exhibit insulin resistance and no memory improvement with infused insulin. Neurobiology of Aging, 2016, 39, 19-24.	1.5	28
79	Aerobic capacity mediates susceptibility for the transition from steatosis to steatohepatitis. Journal of Physiology, 2017, 595, 4909-4926.	1.3	28
80	Functional adaptations in the skeletal muscle microvasculature to endurance and interval sprint training in the type 2 diabetic OLETF rat. Journal of Applied Physiology, 2012, 113, 1223-1232.	1.2	27
81	Impaired fasting glucose is associated with increased regional cerebral amyloid. Neurobiology of Aging, 2016, 44, 138-142.	1.5	27
82	Metabolic Inflexibility in Skeletal Muscle: A Prelude to the Cardiometabolic Syndrome?. Journal of the Cardiometabolic Syndrome, 2006, 1, 184-189.	1.7	26
83	A High-Protein Breakfast Induces Greater Insulin and Glucose-Dependent Insulinotropic Peptide Responses to a Subsequent Lunch Meal in Individuals with Type 2 Diabetes ,. Journal of Nutrition, 2015, 145, 452-458.	1.3	26
84	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.	1.8	26
85	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, 1-12.	0.7	25
86	eNOS deletion impairs mitochondrial quality control and exacerbates Western diet-induced NASH. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E605-E616.	1.8	25
87	Barriers in translating preclinical rodent exercise metabolism findings to human health. Journal of Applied Physiology, 2021, 130, 182-192.	1.2	25
88	Fibroblast growth factor 21 and exercise-induced hepatic mitochondrial adaptations. American Journal of Physiology - Renal Physiology, 2016, 310, G832-G843.	1.6	24
89	Resistance exercise and aerobic exercise when paired with dietary energy restriction both reduce the clinical components of metabolic syndrome in previously physically inactive males. European Journal of Applied Physiology, 2012, 112, 2035-2044.	1.2	23
90	Reduced mitochondrial reactive oxygen species production in peripheral nerves of mice fed a ketogenic diet. Experimental Physiology, 2018, 103, 1206-1212.	0.9	23

#	Article	IF	Citations
91	Anti-inflammatory effects of exercise training in adipose tissue do not require FGF21. Journal of Endocrinology, 2017, 235, 97-109.	1.2	22
92	Early life stress reduces voluntary exercise and its prevention of diet-induced obesity and metabolic dysfunction in mice.. Physiology and Behavior, 2020, 223, 113000.	1.0	22
93	Pinitol Supplementation Does Not Affect Insulin-Mediated Glucose Metabolism and Muscle Insulin Receptor Content and Phosphorylation in Older Humans. Journal of Nutrition, 2004, 134, 2998-3003.	1.3	21
94	Effects of ovariectomy and intrinsic aerobic capacity on tissue-specific insulin sensitivity. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E190-E199.	1.8	21
95	Difference in Housing Temperatureâ€Induced Energy Expenditure Elicits Sexâ€Specific Dietâ€Induced Metabolic Adaptations in Mice. Obesity, 2020, 28, 1922-1931.	1.5	21
96	Effects of Liquid Carbohydrate Ingestion on Markers of Anabolism Following High-Intensity Resistance Exercise. Journal of Strength and Conditioning Research, 2004, 18, 174.	1.0	21
97	Exercise and Postprandial Glycemic Control in Type 2 Diabetes. Current Diabetes Reviews, 2016, 12, 199-210.	0.6	20
98	Lack of VMP1 impairs hepatic lipoprotein secretion and promotes non-alcoholic steatohepatitis. Journal of Hepatology, 2022, 77, 619-631.	1.8	20
99	Wheel running prevents the accumulation of monounsaturated fatty acids in the liver of ovariectomized mice by attenuating changes in SCD-1 content. Applied Physiology, Nutrition and Metabolism, 2011, 36, 798-810.	0.9	19
100	â€œWeighingâ€•the effects of exercise and intrinsic aerobic capacity: are there beneficial effects independent of changes in weight?. Applied Physiology, Nutrition and Metabolism, 2016, 41, 911-916.	0.9	19
101	Sedentary Behavior and Cardiometabolic Health Associations in Obese 11â€“13-Year Olds. Childhood Obesity, 2017, 13, 425-432.	0.8	19
102	Oxylipin Profiling of Alzheimerâ€™s Disease in Nondiabetic and Type 2 Diabetic Elderly. Metabolites, 2019, 9, 177.	1.3	19
103	Estradiol treatment or modest exercise improves hepatic health and mitochondrial outcomes in female mice following ovariectomy. American Journal of Physiology - Endocrinology and Metabolism, 2021, 320, E1020-E1031.	1.8	19
104	Low Aerobic Capacity and High-Fat Diet Contribute to Oxidative Stress and IRS-1 Degradation in the Kidney. American Journal of Nephrology, 2009, 30, 112-119.	1.4	18
105	Metabolic profiling of muscle contraction in lean compared with obese rodents. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 299, R926-R934.	0.9	18
106	Hepatic steatosis development with four weeks of physical inactivity in previously active, hyperphagic OLETF rats. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 304, R763-R771.	0.9	18
107	Differential vasomotor effects of insulin on gastrocnemius and soleus feed arteries in the OLETF rat model: role of endothelinâ€1. Experimental Physiology, 2014, 99, 262-271.	0.9	18
108	Intrinsic High Aerobic Capacity in Male Rats Protects Against Diet-Induced Insulin Resistance. Endocrinology, 2019, 160, 1179-1192.	1.4	18

#	Article	IF	Citations
109	Increased aerobic capacity reduces susceptibility to acute highâ€fat dietâ€induced weight gain. Obesity, 2016, 24, 1929-1937.	1.5	17
110	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.	1.2	17
111	Voluntary Running Attenuates Metabolic Dysfunction in Ovariectomized Low-Fit Rats. Medicine and Science in Sports and Exercise, 2017, 49, 254-264.	0.2	17
112	Effect of APOE Îµ4 Genotype on Metabolic Biomarkers in Aging and Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2017, 58, 1129-1135.	1.2	17
113	Fibroblast growth factor 21 increases hepatic oxidative capacity but not physical activity or energy expenditure in hepatic peroxisome proliferatorâ€activated receptor Î³ coactivatorâ€1Î±â€deficient mice. Experimental Physiology, 2018, 103, 408-418.	0.9	17
114	Insulin increases ventilation during euglycemia in humans. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 315, R84-R89.	0.9	17
115	A bioenergetics systems evaluation of ketogenic diet liver effects. Applied Physiology, Nutrition and Metabolism, 2017, 42, 955-962.	0.9	16
116	Metabolic Derangements Contribute to Reduced sRAGE Isoforms in Subjects with Alzheimerâ€™s Disease. Mediators of Inflammation, 2018, 2018, 1-10.	1.4	15
117	Exercise-Pharmacology Interactions: Metformin, Statins, and Healthspan. Physiology, 2020, 35, 338-347.	1.6	15
118	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, 1398-1408.	1.5	14
119	AMPK agonist AICAR delays the initial decline in lifetime-apex VÌ‡<scp>o</scp>_{2 peak}, while voluntary wheel running fails to delay its initial decline in female rats. Physiological Genomics, 2016, 48, 101-115.	1.0	14
120	Intrinsic (Genetic) Aerobic Fitness Impacts Susceptibility for Metabolic Disease. Exercise and Sport Sciences Reviews, 2017, 45, 7-15.	1.6	14
121	Exercise Test Performance Reveals Evidence of the Cardiorespiratory Fitness Hypothesis. Journal of Aging and Physical Activity, 2017, 25, 240-246.	0.5	14
122	Critical Role for Hepatocyte-Specific eNOS in NAFLD and NASH. Diabetes, 2021, 70, 2476-2491.	0.3	14
123	Ovariectomized Highly Fit Rats Are Protected against Diet-Induced Insulin Resistance. Medicine and Science in Sports and Exercise, 2016, 48, 1259-1269.	0.2	12
124	Sex and BNIP3 genotype, rather than acute lipid injection, modulate hepatic mitochondrial function and steatosis risk in mice. Journal of Applied Physiology, 2020, 128, 1251-1261.	1.2	12
125	Prior exercise does not alter the incretin response to a subsequent meal in obese women. Peptides, 2015, 71, 94-99.	1.2	11
126	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. Frontiers in Endocrinology, 2019, 10, 460.	1.5	11

#	Article	IF	Citations
127	Preconceptional, Gestational, and Lactational Exposure to an Unconventional Oil and Gas Chemical Mixture Alters Energy Expenditure in Adult Female Mice. Frontiers in Endocrinology, 2019, 10, 323.	1.5	11
128	The Effects of Resistance Training on Metabolic Health With Weight Regain. Journal of Clinical Hypertension, 2010, 12, 64-72.	1.0	10
129	Influence of endurance training on central sympathetic outflow to skeletal muscle in response to a mixed meal. Journal of Applied Physiology, 2010, 108, 882-890.	1.2	10
130	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, 472-479.	0.9	10
131	The serum metabolomics signature of type 2 diabetes is obscured in Alzheimer’s disease. American Journal of Physiology - Endocrinology and Metabolism, 2018, 314, E584-E596.	1.8	10
132	Mild Cognitive Impairment and Donepezil Impact Mitochondrial Respiratory Capacity in Skeletal Muscle. Function, 2021, 2, zqab045.	1.1	9
133	Postprandial Metabolism in Resistance-Trained versus Sedentary Males. Medicine and Science in Sports and Exercise, 2004, 36, 709-716.	0.2	8
134	Metformin does not enhance insulin-stimulated vasodilation in skeletal muscle resistance arteries of the OLETF rat. Microcirculation, 2013, 20, n/a-n/a.	1.0	8
135	Influence of physical inactivity on arterial compliance during a glucose challenge. Experimental Physiology, 2018, 103, 483-494.	0.9	8
136	Heat Treatment Improves Hepatic Mitochondrial Respiratory Efficiency via Mitochondrial Remodeling. Function, 2021, 2, zqab001.	1.1	8
137	Relationships between urinary inositol excretions and whole-body glucose tolerance and skeletal muscle insulin receptor phosphorylation. Metabolism: Clinical and Experimental, 2008, 57, 1545-1551.	1.5	7
138	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-G395.	1.6	7
139	Rats bred for low and high running capacity display alterations in peripheral tissues and nerves relevant to neuropathy and pain. Brain and Behavior, 2017, 7, e00780.	1.0	7
140	Divergence in aerobic capacity impacts bile acid metabolism in young women. Journal of Applied Physiology, 2020, 129, 768-778.	1.2	7
141	Reduced Liver-Specific PGC1a Increases Susceptibility for Short-Term Diet-Induced Weight Gain in Male Mice. Nutrients, 2021, 13, 2596.	1.7	7
142	Divergent role of nitric oxide in insulin-stimulated aortic vasorelaxation between low- and high-intrinsic aerobic capacity rats. Physiological Reports, 2015, 3, e12459.	0.7	6
143	Region-specific differences in bioenergetic proteins and protein response to acute high fat diet in brains of low and high capacity runner rats. Neuroscience Letters, 2018, 674, 49-53.	1.0	6
144	NCB5OR Deficiency in the Cerebellum and Midbrain Leads to Dehydration and Alterations in Thirst Response, Fasted Feeding Behavior, and Voluntary Exercise in Mice. Cerebellum, 2018, 17, 152-164.	1.4	6

#	Article	IF	Citations
145	Mutational mimics of allosteric effectors: a genome editing design to validate allosteric drug targets. Scientific Reports, 2019, 9, 9031.	1.6	6
146	Acute exercise rapidly activates hepatic mitophagic flux. Journal of Applied Physiology, 2022, 132, 862-873.	1.2	6
147	Red wine enhances glucose-dependent insulinotropic peptide (GIP) and insulin responses in type 2 diabetes during an oral glucose tolerance test. Diabetology International, 2016, 7, 173-180.	0.7	5
148	Physiological Responses to Sedentary Behaviour. Springer Series on Epidemiology and Public Health, 2018, , 109-153.	0.5	5
149	Soy Protein Isolate Suppresses Bone Resorption and Improves Trabecular Microarchitecture in Spontaneously Hyperphagic, Rapidly Growing Male OLETF Rats. Current Developments in Nutrition, 2018, 2, nzy010.	0.1	5
150	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.	1.1	5
151	High Intrinsic Aerobic Capacity Protects against Ethanol-Induced Hepatic Injury and Metabolic Dysfunction: Study Using High Capacity Runner Rat Model. Biomolecules, 2015, 5, 3295-3308.	1.8	4
152	Exercise: One size does not fit all. Journal of Physiology, 2020, 598, 3819-3820.	1.3	4
153	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.	0.5	4
154	EFFECTS OF LIQUID CARBOHYDRATE INGESTION ON MARKERS OF ANABOLISM FOLLOWING HIGH-INTENSITY RESISTANCE EXERCISE. Journal of Strength and Conditioning Research, 2004, 18, 174-179.	1.0	3
155	Validation of a New Skinfold Prediction Equation Based on Dual-Energy X-Ray Absorptiometry. Measurement in Physical Education and Exercise Science, 2014, 18, 198-208.	1.3	2
156	Sedentary Behavior Counseling Intervention in Aging People With Type 2 Diabetes: A Feasibility Study. Clinical Medicine Insights: Endocrinology and Diabetes, 2021, 14, 117955142110405.	1.0	2
157	Linking aerobic fitness, nonalcoholic fatty liver disease and the metabolic syndrome. Expert Review of Endocrinology and Metabolism, 2009, 4, 299-301.	1.2	1
158	Exercise: not just a medicine for muscle?. Journal of Physiology, 2010, 588, 2687-2688.	1.3	1
159	P3â€231: ALZHEIMER'S DISEASE SUBJECTS EXHIBIT IMPAIRED SYSTEMIC GLUCOSE METABOLISM FOLLOWING A MIXED MEAL. Alzheimer's and Dementia, 2018, 14, P1159.	0.4	1
160	Intrinsic Aerobic Capacity Affects Hippocampal pAkt and HSP72 Response to an Acute High Fat Diet and Heat Treatment in Rats. Journal of Alzheimer's Disease Reports, 2021, 5, 469-475.	1.2	1
161	Exercise And The Metabolic Syndrome With Weight Regain. Medicine and Science in Sports and Exercise, 2009, 41, 523.	0.2	1
162	Voluntary wheelâ€running improves metabolic flexibility in the liver. FASEB Journal, 2012, 26, lb719.	0.2	1

#	Article	IF	Citations
163	Timing and intensity of exercise for glucose control. Reply to Chacko E. [letter]. Diabetologia, 2014, 57, 2427-2427.	2.9	0
164	Editorial: Understanding the Heterogeneity in Exercise-Induced Changes in Glucose Metabolism to Help Optimize Treatment Outcomes. Frontiers in Endocrinology, 2021, 12, 699354.	1.5	0
165	The effect of acute pinitol supplementation on whole body and skeletal muscle insulinâ€mediated glucose metabolism. FASEB Journal, 2006, 20, A594.	0.2	0
166	Resistance training increases and protein intake does not influence skeletal muscle aPKC zeta/lambda content in older men and women. FASEB Journal, 2006, 20, A169.	0.2	0
167	Urinary Dâ€chiro inositol excretion is related to glucose control and skeletal muscle insulin receptor phosphorylation. FASEB Journal, 2007, 21, A836.	0.2	0
168	Effect of moderate fat/high sucrose diet on glycogen synthesis rates in rat skeletal muscle upon the cessation of voluntary wheel running. FASEB Journal, 2007, 21, A691.	0.2	0
169	Exercise modifies microvascular reactivity to insulin in the OLETF rat, a rodent model of hyperphagiaâ€induced obesity and type II diabetes. FASEB Journal, 2009, 23, LB58.	0.2	0
170	Physical inactivity rapidly alters glycemic control in young, lean, previously active volunteers. FASEB Journal, 2010, 24, 1044.2.	0.2	0
171	Reply to Scott, Sale, Greeves, and Fraser. Journal of Applied Physiology, 2012, 112, 330-330.	1.2	0
172	Acetylcholine and insulinâ€mediated vasodilation in feed arteries and arterioles of rat skeletal muscle of different fiber type composition. FASEB Journal, 2012, 26, 1142.20.	0.2	0
173	Effects of Endurance Exercise Training, Metformin, and Their Combination on Adipose Tissue Cytokine Secretion in a Rat Model of Type 2 Diabetes (T2D). FASEB Journal, 2012, 26, 1142.13.	0.2	0
174	Peripartum changes in the orexigenic CNS peptide neuropeptide-Y in gestational diabetics. Journal of Diabetes Research & Clinical Metabolism, 2013, 2, 23.	0.2	0
175	Highâ€fat diet alters serum fatty acid profiles in obesity prone rats: implications for inâ€vitro studies. FASEB Journal, 2013, 27, 373.7.	0.2	0
176	Five days of reduced physical activity selectively impairs endothelial function of the inactive limbs. FASEB Journal, 2013, 27, 1136.12.	0.2	0
177	Low intrinsic aerobic fitness increases susceptibility to OVXâ€induced obesity and insulin resistance in the absence of adipose tissue inflammation (1028.3). FASEB Journal, 2014, 28, 1028.3.	0.2	0
178	Weight loss and fitness intervention increase markers of hepatic bile acid (BA) synthesis, while reducing serum total BA concentrations in sedentary, obese insulin resistant women. FASEB Journal, 2019, 33, 536.15.	0.2	0
179	Acute Heat Therapy Increases Murine Hepatic Mitophagy. FASEB Journal, 2019, 33, 699.8.	0.2	0
180	Novel Pilot Study Reveals that Heat Therapy Increases Muscle Mitochondrial Quality Control and Respiratory Efficiency in Healthy Human Subjects. FASEB Journal, 2019, 33, 699.1.	0.2	0

#	Article	IF	Citations
181	Estradiol treatment and exercise improve hepatic mitochondrial outcomes in mice following ovariectomy. FASEB Journal, 2019, 33, 699.5.	0.2	0
182	Intrinsic aerobic capacity, sex, and brain aging: Determinants of Alzheimer's disease risk.. Alzheimer's and Dementia, 2021, 17 Suppl 3, e054940.	0.4	0
183	Interactions Between Statins, Exercise, and Health: A Clinical Update. Bioengineered, 2022, 11, 54-61.	1.4	0