R Scott Rector

List of Publications by Year
in descending order

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147 papers	5,752 citations	71102 41 h-index	91884 69 g-index
147 all docs	147 docs citations	147 times ranked	7942 citing authors

#	Article	IF	Citations
1	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.	3.7	394
2	Nonalcoholic fatty liver disease and mitochondrial dysfunction. World Journal of Gastroenterology, 2008, 14, 193.	3.3	290
3	Non-alcoholic fatty liver disease and the metabolic syndrome: An update. World Journal of Gastroenterology, 2008, 14, 185.	3.3	280
4	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.	3.4	244
5	Sodium glucose transporter 2 (SGLT2) inhibition with empagliflozin improves cardiac diastolic function in a female rodent model of diabetes. Cardiovascular Diabetology, 2017, 16, 9.	6.8	205
6	Reduced physical activity and risk of chronic disease: the biology behind the consequences. European Journal of Applied Physiology, 2008, 102, 381-390.	2.5	174
7	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.	2.9	143
8	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.	3.4	124
9	Exercise and diet induced weight loss improves measures of oxidative stress and insulin sensitivity in adults with characteristics of the metabolic syndrome. American Journal of Physiology - Endocrinology and Metabolism, 2007, 293, E500-E506.	3.5	122
10	Participation in road cycling vs running is associated with lower bone mineral density in men. Metabolism: Clinical and Experimental, 2008, 57, 226-232.	3.4	113
11	Prebiotic and probiotic treatment of nonalcoholic fatty liver disease: a systematic review and meta-analysis. Nutrition Reviews, 2018, 76, 822-839.	5.8	101
12	Energy-matched moderate and high intensity exercise training improves nonalcoholic fatty liver disease risk independent of changes in body mass or abdominal adiposity â€" A randomized trial. Metabolism: Clinical and Experimental, 2018, 78, 128-140.	3.4	94
13	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.	2.9	88
14	Pathogenesis and Prevention of Hepatic Steatosis. Gastroenterology and Hepatology, 2015, 11, 167-75.	0.1	79
15	Compromised hepatic mitochondrial fatty acid oxidation and reduced markers of mitochondrial turnover in human NAFLD. Hepatology, 2022, 76, 1452-1465.	7.3	75
16	Does physical inactivity cause nonalcoholic fatty liver disease?. Journal of Applied Physiology, 2011, 111, 1828-1835.	2.5	74
17	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.	2.9	71
18	Treating NAFLD in OLETF Rats with Vigorous-Intensity Interval Exercise Training. Medicine and Science in Sports and Exercise, 2015, 47, 556-567.	0.4	71

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19	Elevated skeletal muscle irisin precursor FNDC5 mRNA in obese OLETF rats. Metabolism: Clinical and Experimental, 2013, 62, 1052-1056.	3.4	69
20	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.	0.6	69
21	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.	3.5	68
22	A Fad too Far? Dietary Strategies for the Prevention and Treatment of NAFLD. Obesity, 2020, 28, 1843-1852.	3.0	68
23	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.	2.5	67
24	Cessation of daily wheel running differentially alters fat oxidation capacity in liver, muscle, and adipose tissue. Journal of Applied Physiology, 2009, 106, 161-168.	2.5	64
25	Altered Hepatic Lipid Metabolism Contributes to Nonalcoholic Fatty Liver Disease in Leptin-Deficient Ob/Ob Mice. Journal of Obesity, 2013, 2013, 1-8.	2.7	60
26	One Bout of Exercise Alters Free-Living Postprandial Glycemia in Type 2 Diabetes. Medicine and Science in Sports and Exercise, 2014, 46, 232-238.	0.4	60
27	Mitochondria and Redox Signaling in Steatohepatitis. Antioxidants and Redox Signaling, 2011, 15, 485-504.	5.4	58
28	Intrinsic aerobic capacity impacts susceptibility to acute high-fat diet-induced hepatic steatosis. American Journal of Physiology - Endocrinology and Metabolism, 2014, 307, E355-E364.	3.5	58
29	The role of angiotensin II in nonalcoholic steatohepatitis. Molecular and Cellular Endocrinology, 2013, 378, 29-40.	3.2	57
30	Selective hepatic insulin resistance in a murine model heterozygous for a mitochondrial trifunctional protein defect. Hepatology, 2013, 57, 2213-2223.	7.3	55
31	Exercise Combats Hepatic Steatosis: Potential Mechanisms and Clinical Implications. Diabetes, 2020, 69, 517-524.	0.6	55
32	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.	2.5	52
33	Gestational exercise protects adult male offspring from high-fat diet-induced hepatic steatosis. Journal of Hepatology, 2016, 64, 171-178.	3.7	52
34	Sex Differences in Exercise-Induced Muscle Pain and Muscle Damage. Journal of Pain, 2012, 13, 1242-1249.	1.4	51
35	Effects of endurance exercise training, metformin, and their combination on adipose tissue leptin and IL-10 secretion in OLETF rats. Journal of Applied Physiology, 2012, 113, 1873-1883.	2.5	48
36	Impact of Various Exercise Modalities on Hepatic Mitochondrial Function. Medicine and Science in Sports and Exercise, 2014, 46, 1089-1097.	0.4	48

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37	Western Diet-Fed, Aortic-Banded Ossabaw Swine. JACC Basic To Translational Science, 2019, 4, 404-421.	4.1	48
38	Mitochondrial trifunctional protein defects: Clinical implications and therapeutic approaches. Advanced Drug Delivery Reviews, 2008, 60, 1488-1496.	13.7	47
39	Exercise and the metabolic syndrome with weight regain. Journal of Applied Physiology, 2010, 109, 3-10.	2.5	47
40	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.	3.5	46
41	Aerobic exercise training in the treatment of nonâ€alcoholic fatty liver disease related fibrosis. Journal of Physiology, 2016, 594, 5271-5284.	2.9	45
42	Exercise training does not reduce hyperlipidemia in pigs fed a high-fat diet. Metabolism: Clinical and Experimental, 2002, 51, 1587-1595.	3.4	43
43	Exercise-induced attenuation of obesity, hyperinsulinemia, and skeletal muscle lipid peroxidation in the OLETF rat. Journal of Applied Physiology, 2008, 104, 708-715.	2.5	43
44	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.	1.9	41
45	Modulating fibroblast growth factor 21 in hyperphagic OLETF rats with daily exercise and caloric restriction. Applied Physiology, Nutrition and Metabolism, 2012, 37, 1054-1062.	1.9	41
46	Unique transcriptomic signature of omental adipose tissue in Ossabaw swine: a model of childhood obesity. Physiological Genomics, 2014, 46, 362-375.	2.3	37
47	Lean Body Mass and Weight-Bearing Activity in the Prediction of Bone Mineral Density in Physically Active Men. Journal of Strength and Conditioning Research, 2009, 23, 427-435.	2.1	36
48	Vascular transcriptional alterations produced by juvenile obesity in Ossabaw swine. Physiological Genomics, 2013, 45, 434-446.	2.3	36
49	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.	1.9	35
50	Physical activity maintains aortic endothelium-dependent relaxation in the obese type 2 diabetic OLETF rat. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H1889-H1901.	3.2	33
51	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.	1.8	33
52	Microvascular insulin resistance in skeletal muscle and brain occurs early in the development of juvenile obesity in pigs. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 314, R252-R264.	1.8	33
53	Cecal versus fecal microbiota in Ossabaw swine and implications for obesity. Physiological Genomics, 2018, 50, 355-368.	2.3	33
54	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.	4.2	32

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55	High-saturated-fat diet-induced obesity causes hepatic interleukin-6 resistance via endoplasmic reticulum stress. Journal of Lipid Research, 2019, 60, 1236-1249.	4.2	32
56	Weight-bearing, aerobic exercise increases markers of bone formation during short-term weight loss in overweight and obese men and women. Metabolism: Clinical and Experimental, 2006, 55, 1616-1618.	3.4	31
57	Microbiome and NAFLD: potential influence of aerobic fitness and lifestyle modification. Physiological Genomics, 2017, 49, 385-399.	2.3	31
58	Estrogen receptor-Î± signaling maintains immunometabolic function in males and is obligatory for exercise-induced amelioration of nonalcoholic fatty liver. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E156-E167.	3.5	31
59	Disconnect between adipose tissue inflammation and cardiometabolic dysfunction in Ossabaw pigs. Obesity, 2015, 23, 2421-2429.	3.0	30
60	Chronic NOS inhibition accelerates NAFLD progression in an obese rat model. American Journal of Physiology - Renal Physiology, 2015, 308, G540-G549.	3.4	28
61	Aerobic capacity mediates susceptibility for the transition from steatosis to steatohepatitis. Journal of Physiology, 2017, 595, 4909-4926.	2.9	28
62	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.	2.5	27
63	Metabolic Inflexibility in Skeletal Muscle: A Prelude to the Cardiometabolic Syndrome?. Journal of the Cardiometabolic Syndrome, 2006, 1, 184-189.	1.7	26
64	Obesity-related changes in bone structural and material properties in hyperphagic OLETF rats and protection by voluntary wheel running. Metabolism: Clinical and Experimental, 2015, 64, 905-916.	3.4	26
65	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.	3.5	26
66	Curcumin supplementation mitigates NASH development and progression in female Wistar rats. Physiological Reports, 2018, 6, e13789.	1.7	26
67	Serum markers of bone turnover are increased by modest weight loss with or without weight-bearing exercise in overweight premenopausal women. Applied Physiology, Nutrition and Metabolism, 2009, 34, 933-941.	1.9	25
68	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.	1.8	25
69	Transcriptome-wide RNA sequencing analysis of rat skeletal muscle feed arteries. II. Impact of exercise training in obesity. Journal of Applied Physiology, 2014, 116, 1033-1047.	2.5	25
70	Voluntary wheel running attenuates lipopolysaccharide-induced liver inflammation in mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R934-R942.	1.8	25
71	eNOS deletion impairs mitochondrial quality control and exacerbates Western diet-induced NASH. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E605-E616.	3.5	25
72	Fibroblast growth factor 21 and exercise-induced hepatic mitochondrial adaptations. American Journal of Physiology - Renal Physiology, 2016, 310, G832-G843.	3.4	24

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73	SGLT2 inhibition attenuates arterial dysfunction and decreases vascular F-actin content and expression of proteins associated with oxidative stress in aged mice. GeroScience, 2022, 44, 1657-1675.	4.6	24
74	Transcriptome-wide RNA sequencing analysis of rat skeletal muscle feed arteries. I. Impact of obesity. Journal of Applied Physiology, 2014, 116, 1017-1032.	2.5	23
75	Acute administration of IL-6 improves indices of hepatic glucose and insulin homeostasis in lean and obese mice. American Journal of Physiology - Renal Physiology, 2019, 316, G166-G178.	3.4	23
76	Reduced hepatic eNOS phosphorylation is associated with NAFLD and type 2 diabetes progression and is prevented by daily exercise in hyperphagic OLETF rats. Journal of Applied Physiology, 2014, 116, 1156-1164.	2.5	22
77	Identification of genes whose expression is altered by obesity throughout the arterial tree. Physiological Genomics, 2014, 46, 821-832.	2.3	22
78	Anti-inflammatory effects of exercise training in adipose tissue do not require FGF21. Journal of Endocrinology, 2017, 235, 97-109.	2.6	22
79	Total body bone mineral content and density during weight loss and maintenance on a low- or recommended-dairy weight-maintenance diet in obese men and women. European Journal of Clinical Nutrition, 2010, 64, 392-399.	2.9	21
80	Fatty acid oxidation disorders: maternal health and neonatal outcomes. Seminars in Fetal and Neonatal Medicine, 2010, 15, 122-128.	2.3	21
81	Western diet-induced hepatic steatosis and alterations in the liver transcriptome in adult Brown-Norway rats. BMC Gastroenterology, 2015, 15, 151.	2.0	21
82	Effects of ovariectomy and intrinsic aerobic capacity on tissue-specific insulin sensitivity. American Journal of Physiology - Endocrinology and Metabolism, 2016, 310, E190-E199.	3.5	21
83	Sterculic Oil, a Natural SCD1 Inhibitor, Improves Glucose Tolerance in Obese ob/ob Mice. Isrn Endocrinology, 2012, 2012, 1-11.	2.0	20
84	Exercise-induced differential changes in gene expression among arterioles of skeletal muscles of obese rats. Journal of Applied Physiology, 2015, 119, 583-603.	2.5	20
85	Soluble activin receptor type IIB decoy receptor differentially impacts murine osteogenesis imperfecta muscle function. Muscle and Nerve, 2018, 57, 294-304.	2.2	20
86	Beta 3 Adrenergic Receptor Activation Rescues Metabolic Dysfunction in Female Estrogen Receptor Alpha-Null Mice. Frontiers in Physiology, 2019, 10, 9.	2.8	20
87	Compromised Exercise Capacity and Mitochondrial Dysfunction in the Osteogenesis Imperfecta Murine (oim) Mouse Model. Journal of Bone and Mineral Research, 2019, 34, 1646-1659.	2.8	19
88	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.	1.8	18
89	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.	2.0	18
90	Intrinsic High Aerobic Capacity in Male Rats Protects Against Diet-Induced Insulin Resistance. Endocrinology, 2019, 160, 1179-1192.	2.8	18

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91	Ketogenic diet in combination with voluntary exercise impacts markers of hepatic metabolism and oxidative stress in male and female Wistar rats. Applied Physiology, Nutrition and Metabolism, 2020, 45, 35-44.	1.9	18
92	Short-term lifestyle modification alters circulating biomarkers of endothelial health in sedentary, overweight adults. Applied Physiology, Nutrition and Metabolism, 2006, 31, 512-517.	1.9	17
93	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.	2.0	17
94	Mineralocorticoid receptor antagonism reverses diabetes-related coronary vasodilator dysfunction: A unique vascular transcriptomic signature. Pharmacological Research, 2018, 134, 100-108.	7.1	17
95	Endurance exercise training programs intestinal lipid metabolism in a rat model of obesity and type 2 diabetes. Physiological Reports, 2015, 3, e12232.	1.7	16
96	Differential regulation of adipose tissue and vascular inflammatory gene expression by chronic systemic inhibition of NOS in lean and obese rats. Physiological Reports, 2014, 2, e00225.	1.7	15
97	Interaction of exercise training andn-3 fatty acid supplementation on postprandial lipemia. Applied Physiology, Nutrition and Metabolism, 2007, 32, 473-480.	1.9	14
98	Exercise initiated after the onset of insulin resistance improves trabecular microarchitecture and cortical bone biomechanics of the tibia in hyperphagic Otsuka Long Evans Tokushima Fatty rats. Bone, 2017, 103, 188-199.	2.9	14
99	Critical Role for Hepatocyte-Specific eNOS in NAFLD and NASH. Diabetes, 2021, 70, 2476-2491.	0.6	14
100	The effect of fasting on indicators of muscle damage. Experimental Gerontology, 2013, 48, 1101-1106.	2.8	12
101	A Thermogenic-Like Brown Adipose Tissue Phenotype Is Dispensable for Enhanced Glucose Tolerance in Female Mice. Diabetes, 2019, 68, 1717-1729.	0.6	12
102	Predicting Postprandial Lipemia in Healthy Adults and in Atâ€Risk Individuals With Components of the Cardiometabolic Syndrome. Journal of Clinical Hypertension, 2009, 11, 663-671.	2.0	11
103	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.	3.5	11
104	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.	3.5	11
105	Maintaining patency and asepsis of vascular access ports in Yucatan miniature swine. Contemporary Topics in Laboratory Animal Science, 2003, 42, 28-32.	0.2	11
106	Exercise training causes differential changes in gene expression in diaphragm arteries and 2A arterioles of obese rats. Journal of Applied Physiology, 2015, 119, 604-616.	2.5	10
107	The Emerging Role of Hepatocellular eNOS in Non-alcoholic Fatty Liver Disease Development. Frontiers in Physiology, 2020, 11, 767.	2.8	10
108	A dietary ketone ester mitigates histological outcomes of NAFLD and markers of fibrosis in high-fat diet fed mice. American Journal of Physiology - Renal Physiology, 2021, 320, G564-G572.	3.4	10

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109	Transcriptomic differences in intra-abdominal adipose tissue in extremely obese adolescents with different stages of NAFLD. Physiological Genomics, 2016, 48, 897-911.	2.3	9
110	Ablation of eNOS does not promote adipose tissue inflammation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2016, 310, R744-R751.	1.8	9
111	Obesity and type 2 diabetes, not a diet high in fat, sucrose, and cholesterol, negatively impacts bone outcomes in the hyperphagic Otsuka Long Evans Tokushima Fatty rat. Bone, 2017, 105, 200-211.	2.9	9
112	Maternal Physical Activity and Sex Impact Markers of Hepatic Mitochondrial Health. Medicine and Science in Sports and Exercise, 2018, 50, 2040-2048.	0.4	9
113	Metformin does not enhance insulin-stimulated vasodilation in skeletal muscle resistance arteries of the OLETF rat. Microcirculation, 2013, 20, n/a-n/a.	1.8	8
114	Cerebrovascular insufficiency and amyloidogenic signaling in Ossabaw swine with cardiometabolic heart failure. JCI Insight, 2021, 6, .	5.0	8
115	The Utility and Diagnostic Accuracy of Transient Elastography in Adults with Morbid Obesity: A Prospective Study. Journal of Clinical Medicine, 2022, 11, 1201.	2.4	8
116	Effect of exercise on postprandial lipemia following a higher calorie meal in Yucatan miniature swine. Metabolism: Clinical and Experimental, 2004, 53, 1021-1026.	3.4	7
117	Influence of regular physical activity and caloric restriction on Î²â€adrenergic and natriuretic peptide receptor expression in retroperitoneal adipose tissue of OLETF rats. Experimental Physiology, 2013, 98, 1576-1584.	2.0	7
118	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.	3.4	7
119	Vascular cell transcriptomic changes to exercise training differ directionally along and between skeletal muscle arteriolar trees. Microcirculation, 2017, 24, e12336.	1.8	7
120	Tissue-specific small heat shock protein 20 activation is not associated with traditional autophagy markers in Ossabaw swine with cardiometabolic heart failure. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H1036-H1043.	3.2	6
121	Endurance training lowers ribosome density despite increasing ribosome biogenesis markers in rodent skeletal muscle. BMC Research Notes, 2017, 10, 399.	1.4	5
122	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.	0.3	5
123	Skeletal muscle specific mitochondrial dysfunction and altered energy metabolism in a murine model (oim/oim) of severe osteogenesis imperfecta. Molecular Genetics and Metabolism, 2021, 132, 244-253.	1.1	5
124	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.	4.0	4
125	The right ventricular transcriptome signature in Ossabaw swine with cardiometabolic heart failure: implications for the coronary vasculature. Physiological Genomics, 2021, 53, 99-115.	2.3	4
126	A Model Incorporating Serum Alkaline Phosphatase for Prediction of Liver Fibrosis in Adults with Obesity and Nonalcoholic Fatty Liver Disease. Journal of Clinical Medicine, 2021, 10, 3311.	2.4	4

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127	Lipoproteins during the estrous cycle in swine. Metabolism: Clinical and Experimental, 2004, 53, 140-141.	3.4	3
128	Transcriptomic effects of metformin in skeletal muscle arteries of obese insulin-resistant rats. Experimental Biology and Medicine, 2017, 242, 617-624.	2.4	3
129	Hepatocyteâ€specific eNOS deletion impairs exerciseâ€induced adaptations in hepatic mitochondrial function and autophagy. Obesity, 2022, 30, 1066-1078.	3.0	3
130	Exercise improves femoral whole-bone and tissue-level biomechanical properties in hyperphagic OLETF rats. Applied Physiology, Nutrition and Metabolism, 2017, 42, 884-892.	1.9	2
131	Insulinâ€Stimulated Bone Blood Flow and Bone Biomechanical Properties Are Compromised in Obese, Type 2 Diabetic OLETF Rats. JBMR Plus, 2017, 1, 116-126.	2.7	2
132	Linking aerobic fitness, nonalcoholic fatty liver disease and the metabolic syndrome. Expert Review of Endocrinology and Metabolism, 2009, 4, 299-301.	2.4	1
133	Exercise: not just a medicine for muscle?. Journal of Physiology, 2010, 588, 2687-2688.	2.9	1
134	Right Ventricular Hypertrophy is Associated with Increased MAPK8, Fibronectin, and Extracellular Matrix Regulatory Biomarker (MMP/TIMP) mRNA Levels in a Preâ€Clinical Swine Model of HFpEF. FASEB Journal, 2019, 33, 530.4.	0.5	1
135	Hepatic Knockdown of RECK Increases NASH Susceptibility. FASEB Journal, 2019, 33, 582.5.	0.5	1
136	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.	0.5	0
137	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.	0.5	0
138	Characterization of the coronary vascular transcriptome in a rat model of metabolic syndrome. FASEB Journal, 2013, 27, .	0.5	0
139	Type 2 Diabetes Alters Nitric Oxide Signaling in the Rat Aorta. FASEB Journal, 2015, 29, 793.4.	0.5	0
140	Alterations to Protein Level and Cellular Location of the BK Ca Î±â€Subunit in the Coronary Vasculature are Dependent on Sex Hormones, Metabolic Status, and Species: A Retrospective Study in Multiple Swine Models of Pressure Overloadâ€Induced Heart Failure. FASEB Journal, 2018, 32, 579.2.	0.5	0
141	Potential mitochondrial dysfunction in skeletal muscle of mouse models of Osteogenesis imperfecta.. FASEB Journal, 2018, 32, 543.20.	0.5	0
142	Evidence of Increased Prefrontal Cortex Inflammation and Amyloid Precursor Protein Processing in a Translational Swine Model of Heart Failure with Preserved Ejection Fraction. FASEB Journal, 2018, 32, 545.4.	0.5	0
143	A thermogenicâ€like brown adipose tissue phenotype is dispensable for enhanced glucose tolerance in female mice. FASEB Journal, 2019, 33, lb564.	0.5	0
144	Hepatocyteâ€Specific Deletion of eNOS Impairs Mitochondrial Function and Exacerbates Hepatic Steatosis. FASEB Journal, 2019, 33, 582.2.	0.5	0

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145	Ketogenic diet in combination with voluntary exercise impacts markers of hepatic metabolism and oxidative stress in male and female rats. FASEB Journal, 2019, 33, 699.4.	0.5	0
146	Increased Left Ventricular mRNA Levels of the Inflammatory Biomarkers Pentraxinâ€3 and Interleukin 1 Receptorâ€Like 1 are Correlated with Diastolic Dysfunction in a Preâ€Clinical Swine Model of HFpEF. FASEB Journal, 2019, 33, 532.13.	0.5	0
147	Skeletal muscle mitochondrial function and whole-body metabolic energetics in the +/G610C mouse model of osteogenesis imperfecta. Molecular Genetics and Metabolism, 2022, , .	1.1	0