

Jaume Padilla

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

170
papers

5,295
citations

37
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67
g-index

181
ext. papers

6,251
ext. citations

4
avg, IF

5.71
L-index

#	Paper	IF	Citations
170	Assessment of flow-mediated dilation in humans: a methodological and physiological guideline. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 300, H2-12	5.2	947
169	Vascular Adaptation to Exercise in Humans: Role of Hemodynamic Stimuli. <i>Physiological Reviews</i> , 2017 , 97, 495-528	47.9	304
168	Peripheral circulation. <i>Comprehensive Physiology</i> , 2012 , 2, 321-447	7.7	160
167	Vascular effects of exercise: endothelial adaptations beyond active muscle beds. <i>Physiology</i> , 2011 , 26, 132-45	9.8	144
166	Impact of prolonged sitting on lower and upper limb micro- and macrovascular dilator function. <i>Experimental Physiology</i> , 2015 , 100, 829-38	2.4	120
165	Disturbed blood flow acutely induces activation and apoptosis of the human vascular endothelium. <i>Hypertension</i> , 2013 , 61, 615-21	8.5	104
164	Divergent phenotype of rat thoracic and abdominal perivascular adipose tissues. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013 , 304, R543-52	3.2	100
163	Endothelial dysfunction following prolonged sitting is mediated by a reduction in shear stress. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 310, H648-53	5.2	93
162	Increased muscle sympathetic nerve activity acutely alters conduit artery shear rate patterns. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 298, H1128-35	5.2	93
161	Prolonged sitting-induced leg endothelial dysfunction is prevented by fidgeting. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 311, H177-82	5.2	89
160	Impact of reduced daily physical activity on conduit artery flow-mediated dilation and circulating endothelial microparticles. <i>Journal of Applied Physiology</i> , 2013 , 115, 1519-25	3.7	85
159	Spontaneous bursts of muscle sympathetic nerve activity decrease leg vascular conductance in resting humans. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013 , 304, H759-66	5.2	83
158	The exercise dose affects oxidative stress and brachial artery flow-mediated dilation in trained men. <i>European Journal of Applied Physiology</i> , 2012 , 112, 33-42	3.4	80
157	Six weeks of whole-body vibration exercise improves pain and fatigue in women with fibromyalgia. <i>Journal of Alternative and Complementary Medicine</i> , 2008 , 14, 975-81	2.4	76
156	Increased brachial artery retrograde shear rate at exercise onset is abolished during prolonged cycling: role of thermoregulatory vasodilation. <i>Journal of Applied Physiology</i> , 2011 , 110, 389-97	3.7	75
155	Glycemic control by the SGLT2 inhibitor empagliflozin decreases aortic stiffness, renal resistivity index and kidney injury. <i>Cardiovascular Diabetology</i> , 2018 , 17, 108	8.7	72
154	The effect of acute exercise on endothelial function following a high-fat meal. <i>European Journal of Applied Physiology</i> , 2006 , 98, 256-62	3.4	72

153	Mineralocorticoid receptor antagonism treats obesity-associated cardiac diastolic dysfunction. <i>Hypertension</i> , 2015 , 65, 1082-8	8.5	70
152	Impact of acute exposure to increased hydrostatic pressure and reduced shear rate on conduit artery endothelial function: a limb-specific response. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009 , 297, H1103-8	5.2	69
151	Comparison of Diet versus Exercise on Metabolic Function and Gut Microbiota in Obese Rats. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 1688-98	1.2	65
150	Adjusting flow-mediated dilation for shear stress stimulus allows demonstration of endothelial dysfunction in a population with moderate cardiovascular risk. <i>Journal of Vascular Research</i> , 2009 , 46, 592-600	1.9	62
149	Brachial artery vasodilatation during prolonged lower limb exercise: role of shear rate. <i>Experimental Physiology</i> , 2011 , 96, 1019-27	2.4	60
148	Variability of flow-mediated dilation measurements with repetitive reactive hyperemia. <i>Vascular Medicine</i> , 2006 , 11, 1-6	3.3	58
147	Elevated skeletal muscle irisin precursor FNDC5 mRNA in obese OLETF rats. <i>Metabolism: Clinical and Experimental</i> , 2013 , 62, 1052-6	12.7	57
146	Influence of sex on microvascular and macrovascular responses to prolonged sitting. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017 , 312, H800-H805	5.2	55
145	Impact of aging on conduit artery retrograde and oscillatory shear at rest and during exercise: role of nitric oxide. <i>Hypertension</i> , 2011 , 57, 484-9	8.5	53
144	Prolonged sitting leg vasculopathy: contributing factors and clinical implications. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017 , 313, H722-H728	5.2	48
143	Relationship between upper and lower limb conduit artery vasodilator function in humans. <i>Journal of Applied Physiology</i> , 2011 , 111, 244-50	3.7	46
142	Prior exercise and standing as strategies to circumvent sitting-induced leg endothelial dysfunction. <i>Clinical Science</i> , 2017 , 131, 1045-1053	6.5	45
141	Physical Activity Differentially Affects the Cecal Microbiota of Ovariectomized Female Rats Selectively Bred for High and Low Aerobic Capacity. <i>PLoS ONE</i> , 2015 , 10, e0136150	3.7	44
140	Effects of endurance exercise training, metformin, and their combination on adipose tissue leptin and IL-10 secretion in OLETF rats. <i>Journal of Applied Physiology</i> , 2012 , 113, 1873-83	3.7	42
139	Accumulation of physical activity reduces blood pressure in pre- and hypertension. <i>Medicine and Science in Sports and Exercise</i> , 2005 , 37, 1264-75	1.2	40
138	Assessment of resistance vessel function in human skeletal muscle: guidelines for experimental design, Doppler ultrasound, and pharmacology. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020 , 318, H301-H325	5.2	40
137	Adrenergic vasoconstriction contributes to the age-related increase in conduit artery retrograde and oscillatory shear. <i>Hypertension</i> , 2012 , 60, 1016-22	8.5	39
136	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> , 2017 , 122, 38-47	3.7	38

135	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> , 2015 , 308, R530-42	3.2	38
134	Flow-mediated dilation in athletes: influence of aging. <i>Medicine and Science in Sports and Exercise</i> , 2014 , 46, 2148-58	1.2	38
133	Norepinephrine increases NADPH oxidase-derived superoxide in human peripheral blood mononuclear cells via α adrenergic receptors. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013 , 305, R1124-32	3.2	37
132	Pro-atherogenic shear rate patterns in the femoral artery of healthy older adults. <i>Atherosclerosis</i> , 2010 , 211, 390-2	3.1	37
131	Reproducibility of the flow-mediated dilation response to acute exercise in overweight men. <i>Ultrasound in Medicine and Biology</i> , 2007 , 33, 1579-85	3.5	34
130	Exercise training does not increase muscle FNDC5 protein or mRNA expression in pigs. <i>Metabolism: Clinical and Experimental</i> , 2013 , 62, 1503-11	12.7	33
129	Characterization of the brachial artery shear stress following walking exercise. <i>Vascular Medicine</i> , 2008 , 13, 105-11	3.3	33
128	Loss of UCP1 exacerbates Western diet-induced glycemic dysregulation independent of changes in body weight in female mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2017 , 312, R74-R84	3.2	32
127	Unique transcriptomic signature of omental adipose tissue in Ossabaw swine: a model of childhood obesity. <i>Physiological Genomics</i> , 2014 , 46, 362-75	3.6	32
126	Soy Improves Cardiometabolic Health and Cecal Microbiota in Female Low-Fit Rats. <i>Scientific Reports</i> , 2017 , 7, 9261	4.9	32
125	Exercise-induced Signals for Vascular Endothelial Adaptations: Implications for Cardiovascular Disease. <i>Current Cardiovascular Risk Reports</i> , 2012 , 6, 331-346	0.9	32
124	Vascular transcriptional alterations produced by juvenile obesity in Ossabaw swine. <i>Physiological Genomics</i> , 2013 , 45, 434-46	3.6	30
123	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> , 2014 , 306, R596-606	3.2	28
122	Can the measurement of brachial artery flow-mediated dilation be applied to the acute exercise model?. <i>Cardiovascular Ultrasound</i> , 2007 , 5, 45	2.4	28
121	The Effects of Acute Exposure to Prolonged Sitting, With and Without Interruption, on Vascular Function Among Adults: A Meta-analysis. <i>Sports Medicine</i> , 2020 , 50, 1929-1942	10.6	27
120	Disconnect between adipose tissue inflammation and cardiometabolic dysfunction in Ossabaw pigs. <i>Obesity</i> , 2015 , 23, 2421-9	8	26
119	Characterizing rapid-onset vasodilation to single muscle contractions in the human leg. <i>Journal of Applied Physiology</i> , 2015 , 118, 455-64	3.7	26
118	Administration of tauroursodeoxycholic acid prevents endothelial dysfunction caused by an oral glucose load. <i>Clinical Science</i> , 2016 , 130, 1881-8	6.5	26

117	Impaired popliteal artery flow-mediated dilation caused by reduced daily physical activity is prevented by increased shear stress. <i>Journal of Applied Physiology</i> , 2017 , 123, 49-54	3.7	25
116	Prolonged leg bending impairs endothelial function in the popliteal artery. <i>Physiological Reports</i> , 2017 , 5, e13478	2.6	25
115	Western Diet-Fed, Aortic-Banded Ossabaw Swine: A Preclinical Model of Cardio-Metabolic Heart Failure. <i>JACC Basic To Translational Science</i> , 2019 , 4, 404-421	8.7	25
114	Microvascular Dilator Function in Athletes: A Systematic Review and Meta-analysis. <i>Medicine and Science in Sports and Exercise</i> , 2015 , 47, 1485-94	1.2	25
113	Blood pressure regulation VIII: resistance vessel tone and implications for a pro-atherogenic conduit artery endothelial cell phenotype. <i>European Journal of Applied Physiology</i> , 2014 , 114, 531-44	3.4	25
112	Vascular consequences of a high-fat meal in physically active and inactive adults. <i>Applied Physiology, Nutrition and Metabolism</i> , 2011 , 36, 368-75	3	25
111	Proper "normalization" of flow-mediated dilation for shear. <i>Journal of Applied Physiology</i> , 2007 , 103, 1108; author reply 1109	3.7	25
110	Regular Exercise Reduces Endothelial Cortical Stiffness in Western Diet-Fed Female Mice. <i>Hypertension</i> , 2016 , 68, 1236-1244	8.5	25
109	Retention of sedentary obese visceral white adipose tissue phenotype with intermittent physical activity despite reduced adiposity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2015 , 309, R594-602	3.2	24
108	Differential changes in vascular mRNA levels between rat iliac and renal arteries produced by cessation of voluntary running. <i>Experimental Physiology</i> , 2013 , 98, 337-47	2.4	24
107	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> , 2012 , 113, 1223-32	3.7	24
106	TRAF3IP2 mediates high glucose-induced endothelin-1 production as well as endothelin-1-induced inflammation in endothelial cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018 , 314, H52-H64	5.2	23
105	Heterogeneity of endothelial cell phenotype within and amongst conduit vessels of the swine vasculature. <i>Experimental Physiology</i> , 2012 , 97, 1074-82	2.4	23
104	A comparison between active- and reactive-hyperaemia-induced brachial artery vasodilation. <i>Clinical Science</i> , 2006 , 110, 387-92	6.5	23
103	Transcriptome-wide RNA sequencing analysis of rat skeletal muscle feed arteries. I. Impact of obesity. <i>Journal of Applied Physiology</i> , 2014 , 116, 1017-32	3.7	22
102	Transcriptome-wide RNA sequencing analysis of rat skeletal muscle feed arteries. II. Impact of exercise training in obesity. <i>Journal of Applied Physiology</i> , 2014 , 116, 1033-47	3.7	21
101	Microvascular insulin resistance in skeletal muscle and brain occurs early in the development of juvenile obesity in pigs. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018 , 314, R252-R264	3.2	21
100	Obesity and cardiovascular disease in women. <i>International Journal of Obesity</i> , 2020 , 44, 1210-1226	5.5	20

99	Effects of intrinsic aerobic capacity and ovariectomy on voluntary wheel running and nucleus accumbens dopamine receptor gene expression. <i>Physiology and Behavior</i> , 2016 , 164, 383-9	3.5	20
98	Chronic NOS inhibition accelerates NAFLD progression in an obese rat model. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 308, G540-9	5.1	20
97	Influence of spontaneously occurring bursts of muscle sympathetic nerve activity on conduit artery diameter. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013 , 305, H867-74	5.2	20
96	Induction of endoplasmic reticulum stress impairs insulin-stimulated vasomotor relaxation in rat aortic rings: role of endothelin-1. <i>Journal of Physiology and Pharmacology</i> , 2013 , 64, 557-64	2.1	20
95	Role of habitual physical activity in modulating vascular actions of insulin. <i>Experimental Physiology</i> , 2015 , 100, 759-71	2.4	19
94	Long-term exercise training does not alter brachial and femoral artery vasomotor function and endothelial phenotype in healthy pigs. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2010 , 299, H379-85	5.2	19
93	Exercise-induced differential changes in gene expression among arterioles of skeletal muscles of obese rats. <i>Journal of Applied Physiology</i> , 2015 , 119, 583-603	3.7	18
92	Effects of ovariectomy and intrinsic aerobic capacity on tissue-specific insulin sensitivity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 310, E190-9	6	18
91	Brief periods of inactivity reduce leg microvascular, but not macrovascular, function in healthy young men. <i>Experimental Physiology</i> , 2018 , 103, 1425-1434	2.4	17
90	Delayed vasodilation is associated with cardiovascular risk. <i>European Journal of Clinical Investigation</i> , 2014 , 44, 549-56	4.6	17
89	Identification of genes whose expression is altered by obesity throughout the arterial tree. <i>Physiological Genomics</i> , 2014 , 46, 821-32	3.6	17
88	Differential vasomotor effects of insulin on gastrocnemius and soleus feed arteries in the OLETF rat model: role of endothelin-1. <i>Experimental Physiology</i> , 2014 , 99, 262-71	2.4	17
87	Estrogen receptor- β signaling maintains immunometabolic function in males and is obligatory for exercise-induced amelioration of nonalcoholic fatty liver. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019 , 316, E156-E167	6	17
86	Removal of interscapular brown adipose tissue increases aortic stiffness despite normal systemic glucose metabolism in mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018 , 314, R584-R597	3.2	16
85	Effect of acute and chronic whole-body vibration exercise on serum insulin-like growth factor-1 levels in women with fibromyalgia. <i>Journal of Alternative and Complementary Medicine</i> , 2009 , 15, 573-8	2.4	16
84	Myogenic responses occur on a beat-to-beat basis in the resting human limb. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 308, H59-67	5.2	15
83	Endothelial Estrogen Receptor- β Does Not Protect Against Vascular Stiffness Induced by Western Diet in Female Mice. <i>Endocrinology</i> , 2016 , 157, 1590-600	4.8	15
82	Anti-inflammatory effects of exercise training in adipose tissue do not require FGF21. <i>Journal of Endocrinology</i> , 2017 , 235, 97-109	4.7	15

81	Impact of exercise training on endothelial transcriptional profiles in healthy swine: a genome-wide microarray analysis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 301, H555-64	5.2	15
80	Loss of Nlrp3 Does Not Protect Mice from Western Diet-Induced Adipose Tissue Inflammation and Glucose Intolerance. <i>PLoS ONE</i> , 2016 , 11, e0161939	3.7	15
79	Differential regulation of adipose tissue and vascular inflammatory gene expression by chronic systemic inhibition of NOS in lean and obese rats. <i>Physiological Reports</i> , 2014 , 2, e00225	2.6	14
78	Beta 3 Adrenergic Receptor Activation Rescues Metabolic Dysfunction in Female Estrogen Receptor Alpha-Null Mice. <i>Frontiers in Physiology</i> , 2019 , 10, 9	4.6	12
77	Deletion of UCP1 enhances ex vivo aortic vasomotor function in female but not male mice despite similar susceptibility to metabolic dysfunction. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2017 , 313, E402-E412	6	12
76	Increased endothelial shear stress improves insulin-stimulated vasodilatation in skeletal muscle. <i>Journal of Physiology</i> , 2019 , 597, 57-69	3.9	12
75	Role of perivascular adipose tissue on vascular reactive oxygen species in type 2 diabetes: a give-and-take relationship. <i>Diabetes</i> , 2015 , 64, 1904-6	0.9	11
74	Potential clinical translation of juvenile rodent inactivity models to study the onset of childhood obesity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012 , 303, R247-58	3.2	11
73	Young Ossabaw Pigs Fed a Western Diet Exhibit Early Signs of Diabetic Retinopathy 2018 , 59, 2325-2338		11
72	Exercise training causes differential changes in gene expression in diaphragm arteries and 2A arterioles of obese rats. <i>Journal of Applied Physiology</i> , 2015 , 119, 604-16	3.7	10
71	Persistent insulin signaling coupled with restricted PI3K activation causes insulin-induced vasoconstriction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 317, H1166-H1172	5.2	10
70	Increased monocyte-derived reactive oxygen species in type 2 diabetes: role of endoplasmic reticulum stress. <i>Experimental Physiology</i> , 2017 , 102, 139-153	2.4	10
69	Effects of ER α and ER β on OVX-induced changes in adiposity and insulin resistance. <i>Journal of Endocrinology</i> , 2020 , 245, 165-178	4.7	10
68	Sexual Dimorphism in Obesity-Associated Endothelial ENaC Activity and Stiffening in Mice. <i>Endocrinology</i> , 2019 , 160, 2918-2928	4.8	10
67	Exercise training and vascular cell phenotype in a swine model of familial hypercholesterolaemia: conduit arteries and veins. <i>Experimental Physiology</i> , 2014 , 99, 454-65	2.4	9
66	Carotid artery occlusive disease and ocular manifestations: Importance of identifying patients at risk. <i>Optometry - Journal of the American Optometric Association</i> , 2010 , 81, 359-63		9
65	A Thermogenic-Like Brown Adipose Tissue Phenotype Is Dispensable for Enhanced Glucose Tolerance in Female Mice. <i>Diabetes</i> , 2019 , 68, 1717-1729	0.9	8
64	Effect of carbohydrate restriction-induced weight loss on aortic pulse wave velocity in overweight men and women. <i>Applied Physiology, Nutrition and Metabolism</i> , 2018 , 43, 1247-1256	3	8

63	Relationship between brachial and femoral artery endothelial vasomotor function/phenotype in pigs. <i>Experimental Biology and Medicine</i> , 2010 , 235, 1287-91	3.7	8
62	Ovariectomized Highly Fit Rats Are Protected against Diet-Induced Insulin Resistance. <i>Medicine and Science in Sports and Exercise</i> , 2016 , 48, 1259-69	1.2	8
61	Sympathetically mediated increases in cardiac output, not restraint of peripheral vasodilation, contribute to blood pressure maintenance during hyperinsulinemia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020 , 319, H162-H170	5.2	7
60	LIMK (LIM Kinase) Inhibition Prevents Vasoconstriction- and Hypertension-Induced Arterial Stiffening and Remodeling. <i>Hypertension</i> , 2020 , 76, 393-403	8.5	7
59	Skeletal muscle microvascular insulin resistance in type 2 diabetes is not improved by eight weeks of regular walking. <i>Journal of Applied Physiology</i> , 2020 , 129, 283-296	3.7	7
58	Ablation of eNOS does not promote adipose tissue inflammation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016 , 310, R744-51	3.2	7
57	Exercise and Vascular Insulin Sensitivity in the Skeletal Muscle and Brain. <i>Exercise and Sport Sciences Reviews</i> , 2019 , 47, 66-74	6.7	7
56	Metabolic Implications of Diet and Energy Intake during Physical Inactivity. <i>Medicine and Science in Sports and Exercise</i> , 2019 , 51, 995-1005	1.2	7
55	Absence of Endothelial ER β Results in Arterial Remodeling and Decreased Stiffness in Western Diet-Fed Male Mice. <i>Endocrinology</i> , 2017 , 158, 1875-1885	4.8	6
54	Voluntary wheel running improves adipose tissue immunometabolism in ovariectomized low-fit rats. <i>Adipocyte</i> , 2018 , 7, 20-34	3.2	6
53	Chronic Elevation of Endothelin-1 Alone May Not Be Sufficient to Impair Endothelium-Dependent Relaxation. <i>Hypertension</i> , 2019 , 74, 1409-1419	8.5	6
52	TRAF3IP2 (TRAF3 Interacting Protein 2) Mediates Obesity-Associated Vascular Insulin Resistance and Dysfunction in Male Mice. <i>Hypertension</i> , 2020 , 76, 1319-1329	8.5	6
51	Divergent role of nitric oxide in insulin-stimulated aortic vasorelaxation between low- and high-intrinsic aerobic capacity rats. <i>Physiological Reports</i> , 2015 , 3, e12459	2.6	5
50	Increased susceptibility to OVX-associated metabolic dysfunction in UCP1-null mice. <i>Journal of Endocrinology</i> , 2018 ,	4.7	5
49	Influence of regular physical activity and caloric restriction on β adrenergic and natriuretic peptide receptor expression in retroperitoneal adipose tissue of OLETF rats. <i>Experimental Physiology</i> , 2013 , 98, 1576-84	2.4	5
48	Maintenance of endothelial function following acute resistance exercise in females is associated with a tempered blood pressure response. <i>Journal of Applied Physiology</i> , 2020 , 129, 792-799	3.7	5
47	Aerobic exercise training improves insulin-induced vasorelaxation in a vessel-specific manner in rats with insulin-treated experimental diabetes. <i>Diabetes and Vascular Disease Research</i> , 2019 , 16, 77-86	3.3	5
46	Overproduction of endothelin-1 impairs glucose tolerance but does not promote visceral adipose tissue inflammation or limit metabolic adaptations to exercise. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019 , 317, E548-E558	6	4

45	Vascular cell transcriptomic changes to exercise training differ directionally along and between skeletal muscle arteriolar trees. <i>Microcirculation</i> , 2017 , 24, e12336	2.9	4
44	High-Intensity Interval Training Decreases Muscle Sympathetic Nerve Activity and Improves Peripheral Vascular Function in Patients With Heart Failure With Reduced Ejection Fraction. <i>Circulation: Heart Failure</i> , 2020 , 13, e007121	7.6	4
43	Aerobic Exercise Restores Aging-Associated Reductions in Arterial Adropin Levels and Improves Adropin-Induced Nitric Oxide-Dependent Vasorelaxation. <i>Journal of the American Heart Association</i> , 2021 , 10, e020641	6	4
42	Transcriptomic effects of metformin in skeletal muscle arteries of obese insulin-resistant rats. <i>Experimental Biology and Medicine</i> , 2017 , 242, 617-624	3.7	3
41	Eight weeks of fish oil supplementation does not prevent sitting-induced leg endothelial dysfunction. <i>Applied Physiology, Nutrition and Metabolism</i> , 2020 , 45, 55-60	3	3
40	Hyperinsulinemia blunts sympathetic vasoconstriction: a possible role of β adrenergic activation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021 , 320, R771-R779 ²	3	3
39	The targeted inhibition of neuraminidase reverses endothelial glycocalyx degradation and improves endothelial function in type 2 diabetes. <i>FASEB Journal</i> , 2019 , 33, 527.16	0.9	2
38	The right ventricular transcriptome signature in Ossabaw swine with cardiometabolic heart failure: implications for the coronary vasculature. <i>Physiological Genomics</i> , 2021 , 53, 99-115	3.6	2
37	Cerebrovascular insufficiency and amyloidogenic signaling in Ossabaw swine with cardiometabolic heart failure. <i>JCI Insight</i> , 2021 , 6,	9.9	2
36	Voluntary Wheel Running Partially Compensates for the Effects of Global Estrogen Receptor- β Knockout on Cortical Bone in Young Male Mice. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
35	Role of the arterial baroreflex in the sympathetic response to hyperinsulinemia in adult humans.. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2022 ,	6	2
34	SGLT2 inhibition attenuates arterial dysfunction and decreases vascular F-actin content and expression of proteins associated with oxidative stress in aged mice.. <i>GeroScience</i> , 2022 , 1	8.9	2
33	Myogenic responses occur on a beat-to-beat basis in the resting human limb. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 308, H554-5	5.2	1
32	Evaluating the Impact of Retrograde Shear Stress on Expression of Pro-inflammatory Genes in Rat Carotid Artery. <i>Medicine and Science in Sports and Exercise</i> , 2010 , 42, 302	1.2	1
31	ADAM17 Cleaves the Insulin Receptor β Subunit on Endothelial Cells and Induces Vascular Insulin Resistance in Type 2 Diabetes. <i>FASEB Journal</i> , 2019 , 33, 685.7	0.9	1
30	Activation of protein kinase C impairs endothelium-dependent vasorelaxation in isolated human omental resistance arteries. <i>FASEB Journal</i> , 2019 , 33, 685.16	0.9	1
29	Sympathetic Transduction During Euglycemic-Hyperinsulinemia in Humans. <i>FASEB Journal</i> , 2021 , 35,	0.9	1
28	Role of ER α in adipocyte metabolic response to wheel running following ovariectomy. <i>Journal of Endocrinology</i> , 2021 , 249, 223-237	4.7	1

27	Endothelial dysfunction occurs independently of adipose tissue inflammation and insulin resistance in ovariectomized Yucatan miniature-swine. <i>Adipocyte</i> , 2018 , 7, 35-44	3.2	1
26	Mutation of the 5'-untranslated region stem-loop mRNA structure reduces type I collagen deposition and arterial stiffness in male obese mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2021 , 321, H435-H445	5.2	1
25	Recruitment and remodeling of peridroplet mitochondria in human adipose tissue. <i>Redox Biology</i> , 2021 , 46, 102087	11.3	1
24	Role of the Autonomic Nervous System in the Hemodynamic Response to Hyperinsulinemia-Implications for Obesity and Insulin Resistance.. <i>Current Diabetes Reports</i> , 2022 , 22, 169	5.6	1
23	Right Ventricular Hypertrophy is Associated with Increased MAPK8, Fibronectin, and Extracellular Matrix Regulatory Biomarker (MMP/TIMP) mRNA Levels in a Pre-Clinical Swine Model of HFpEF. <i>FASEB Journal</i> , 2019 , 33, 530.4	0.9	0
22	Mineralocorticoid Receptor in Myeloid Cells Mediates Angiotensin II-Induced Vascular Dysfunction in Female Mice. <i>Frontiers in Physiology</i> , 2021 , 12, 588358	4.6	0
21	Leg Fidgeting During Prolonged Sitting Improves Postprandial Glycemic Control in People with Obesity. <i>Obesity</i> , 2021 , 29, 1146-1154	8	0
20	Alterations to Protein Level and Cellular Location of the BKCa β Subunit in the Coronary Vasculature are Dependent on Sex Hormones, Metabolic Status, and Species: A Retrospective Study in Multiple Swine Models of Pressure Overload-Induced Heart Failure. <i>FASEB Journal</i> , 2018 , 32, 579.2	0.9	
19	The effects of localized heating on insulin-stimulated leg blood flow. <i>FASEB Journal</i> , 2018 , 32, lb331	0.9	
18	Endothelium-dependent vasorelaxation and blood pressure are preserved in mice with chronic hyperendothelinemia. <i>FASEB Journal</i> , 2018 , 32, lb327	0.9	
17	Regular exercise reduces adipose tissue inflammation and improves glycemic control in Western diet-fed mice despite hyperendothelinemia. <i>FASEB Journal</i> , 2018 , 32, lb570	0.9	
16	Weight maintenance diets prevent short-term physical inactivity-induced glycemic dysregulation in young healthy subjects. <i>FASEB Journal</i> , 2018 , 32, 724.10	0.9	
15	Induction of inward arterial remodeling is ameliorated in vivo by inhibition of actin polymerization dynamics in a mouse model of hypertension. <i>FASEB Journal</i> , 2018 , 32, lb278	0.9	
14	Evidence of Increased Prefrontal Cortex Inflammation and Amyloid Precursor Protein Processing in a Translational Swine Model of Heart Failure with Preserved Ejection Fraction. <i>FASEB Journal</i> , 2018 , 32, 545.4	0.9	
13	A thermogenic-like brown adipose tissue phenotype is dispensable for enhanced glucose tolerance in female mice. <i>FASEB Journal</i> , 2019 , 33, lb564	0.9	
12	Omental Arteries from Diabetic Hypertensive Subjects are Larger and Stiffer than those from Non-Diabetic Normotensives. <i>FASEB Journal</i> , 2019 , 33, 517.10	0.9	
11	Endothelin A Receptor Blockade Improves Insulin-Stimulated Blood Flow in Patients with Type 2 Diabetes. <i>FASEB Journal</i> , 2019 , 33, 696.24	0.9	
10	LIM Kinase Inhibition Diminishes Hypertension and Vasoconstriction-Induced Inward Remodeling in Mouse and Human Resistance Arteries. <i>FASEB Journal</i> , 2019 , 33, 517.7	0.9	

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| 9 | Increased Left Ventricular mRNA Levels of the Inflammatory Biomarkers Pentraxin-3 and Interleukin 1 Receptor-Like 1 are Correlated with Diastolic Dysfunction in a Pre-Clinical Swine Model of HFpEF. <i>FASEB Journal</i> , 2019 , 33, 532.13 | 0.9 |
| 8 | The Effect of Leg Fidgeting During Sitting on Glycemic Control in Obese Subjects [A Pilot Study]. <i>FASEB Journal</i> , 2019 , 33, lb447 | 0.9 |
| 7 | Age-Related Changes in Skeletal Muscle and Small Mesenteric Arterial Function in Spontaneously Hypertensive Rats. <i>FASEB Journal</i> , 2019 , 33, lb456 | 0.9 |
| 6 | 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> , 2014 , 28, 1028.3 | 0.9 |
| 5 | Intermittent Physical Activity Produces a Leaner but Sedentary Obese White Adipose Tissue Phenotype. <i>FASEB Journal</i> , 2015 , 29, 1055.16 | 0.9 |
| 4 | Prolonged Sitting Impairs Forearm and Lower Leg Microvascular Reactivity. <i>FASEB Journal</i> , 2015 , 29, 994.11 | 0.9 |
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