

Jaume Padilla

List of Publications by Year in descending order

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Version: 2024-02-01

180
papers

6,969
citations

70961

41
h-index

74018

75
g-index

181
all docs

181
docs citations

181
times ranked

7659
citing authors

#	ARTICLE	IF	CITATIONS
1	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-H12.	1.5	1,126
2	Vascular Adaptation to Exercise in Humans: Role of Hemodynamic Stimuli. <i>Physiological Reviews</i> , 2017, 97, 495-528.	13.1	456
3	Peripheral Circulation. , 2012, 2, 321-447.		197
4	Vascular Effects of Exercise: Endothelial Adaptations Beyond Active Muscle Beds. <i>Physiology</i> , 2011, 26, 132-145.	1.6	174
5	Impact of prolonged sitting on lower and upper limb micro€and macrovascular dilator function. <i>Experimental Physiology</i> , 2015, 100, 829-838.	0.9	156
6	Divergent phenotype of rat thoracic and abdominal perivascular adipose tissues. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 304, R543-R552.	0.9	129
7	Prolonged sitting-induced leg endothelial dysfunction is prevented by fidgeting. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 311, H177-H182.	1.5	122
8	Disturbed Blood Flow Acutely Induces Activation and Apoptosis of the Human Vascular Endothelium. <i>Hypertension</i> , 2013, 61, 615-621.	1.3	121
9	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-H653.	1.5	120
10	Glycemic control by the SGLT2 inhibitor empagliflozin decreases aortic stiffness, renal resistivity index and kidney injury. <i>Cardiovascular Diabetology</i> , 2018, 17, 108.	2.7	112
11	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-H766.	1.5	106
12	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-H1135.	1.5	102
13	Impact of reduced daily physical activity on conduit artery flow-mediated dilation and circulating endothelial microparticles. <i>Journal of Applied Physiology</i> , 2013, 115, 1519-1525.	1.2	100
14	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, 1688-1698.	0.2	97
15	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.	1.2	96
16	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, 975-981.	2.1	92
17	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-H1108.	1.5	86
18	Mineralocorticoid Receptor Antagonism Treats Obesity-Associated Cardiac Diastolic Dysfunction. <i>Hypertension</i> , 2015, 65, 1082-1088.	1.3	84

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19	The effect of acute exercise on endothelial function following a high-fat meal. <i>European Journal of Applied Physiology</i> , 2006, 98, 256-262.	1.2	81
20	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.	1.5	81
21	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, 389-397.	1.2	80
22	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.	1.5	78
23	Prolonged sitting leg vasculopathy: contributing factors and clinical implications. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 313, H722-H728.	1.5	73
24	Elevated skeletal muscle irisin precursor FNDC5 mRNA in obese OLETF rats. <i>Metabolism: Clinical and Experimental</i> , 2013, 62, 1052-1056.	1.5	69
25	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.	3.1	67
26	Variability of flow-mediated dilation measurements with repetitive reactive hyperemia. <i>Vascular Medicine</i> , 2006, 11, 1-6.	0.8	66
27	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.	0.6	66
28	Brachial artery vasodilatation during prolonged lower limb exercise: role of shear rate. <i>Experimental Physiology</i> , 2011, 96, 1019-1027.	0.9	65
29	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.	1.1	64
30	Obesity and cardiovascular disease in women. <i>International Journal of Obesity</i> , 2020, 44, 1210-1226.	1.6	62
31	Relationship between upper and lower limb conduit artery vasodilator function in humans. <i>Journal of Applied Physiology</i> , 2011, 111, 244-250.	1.2	60
32	Prior exercise and standing as strategies to circumvent sitting-induced leg endothelial dysfunction. <i>Clinical Science</i> , 2017, 131, 1045-1053.	1.8	58
33	Impact of Aging on Conduit Artery Retrograde and Oscillatory Shear at Rest and During Exercise. <i>Hypertension</i> , 2011, 57, 484-489.	1.3	56
34	Accumulation of Physical Activity Reduces Blood Pressure in Pre- and Hypertension. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, 1264-1275.	0.2	54
35	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.	1.2	53
36	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.	0.9	50

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37	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, 1873-1883.	1.2	48
38	Western Diet-Fed, Aortic-Banded Ossabaw Swine. <i>JACC Basic To Translational Science</i> , 2019, 4, 404-421.	1.9	48
39	Norepinephrine increases NADPH oxidase-derived superoxide in human peripheral blood mononuclear cells via α_1 -adrenergic receptors. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013, 305, R1124-R1132.	0.9	47
40	α_1 -Adrenergic Vasoconstriction Contributes to the Age-Related Increase in Conduit Artery Retrograde and Oscillatory Shear. <i>Hypertension</i> , 2012, 60, 1016-1022.	1.3	46
41	Flow-Mediated Dilation in Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2014, 46, 2148-2158.	0.2	44
42	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-R542.	0.9	44
43	Soy Improves Cardiometabolic Health and Cecal Microbiota in Female Low-Fit Rats. <i>Scientific Reports</i> , 2017, 7, 9261.	1.6	43
44	Exercise training does not increase muscle FNDC5 protein or mRNA expression in pigs. <i>Metabolism: Clinical and Experimental</i> , 2013, 62, 1503-1511.	1.5	40
45	Characterization of the brachial artery shear stress following walking exercise. <i>Vascular Medicine</i> , 2008, 13, 105-111.	0.8	39
46	Pro-atherogenic shear rate patterns in the femoral artery of healthy older adults. <i>Atherosclerosis</i> , 2010, 211, 390-392.	0.4	39
47	Prolonged leg bending impairs endothelial function in the popliteal artery. <i>Physiological Reports</i> , 2017, 5, e13478.	0.7	38
48	Exercise-Induced Signals for Vascular Endothelial Adaptations: Implications for Cardiovascular Disease. <i>Current Cardiovascular Risk Reports</i> , 2012, 6, 331-346.	0.8	37
49	Unique transcriptomic signature of omental adipose tissue in Ossabaw swine: a model of childhood obesity. <i>Physiological Genomics</i> , 2014, 46, 362-375.	1.0	37
50	Vascular transcriptional alterations produced by juvenile obesity in Ossabaw swine. <i>Physiological Genomics</i> , 2013, 45, 434-446.	1.0	36
51	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.	1.2	35
52	Reproducibility of the Flow-Mediated Dilation Response to Acute Exercise in Overweight Men. <i>Ultrasound in Medicine and Biology</i> , 2007, 33, 1579-1585.	0.7	34
53	Microvascular Dilator Function in Athletes. <i>Medicine and Science in Sports and Exercise</i> , 2015, 47, 1485-1494.	0.2	34
54	Administration of tauroursodeoxycholic acid prevents endothelial dysfunction caused by an oral glucose load. <i>Clinical Science</i> , 2016, 130, 1881-1888.	1.8	34

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55	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-R606.	0.9	33
56	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.	0.9	33
57	Can the measurement of brachial artery flow-mediated dilation be applied to the acute exercise model?. <i>Cardiovascular Ultrasound</i> , 2007, 5, 45.	0.5	32
58	Regular Exercise Reduces Endothelial Cortical Stiffness in Western Diet-Fed Female Mice. <i>Hypertension</i> , 2016, 68, 1236-1244.	1.3	32
59	Estrogen receptor 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.	1.8	31
60	Disconnect between adipose tissue inflammation and cardiometabolic dysfunction in Ossabaw pigs. <i>Obesity</i> , 2015, 23, 2421-2429.	1.5	30
61	Characterizing rapid-onset vasodilation to single muscle contractions in the human leg. <i>Journal of Applied Physiology</i> , 2015, 118, 455-464.	1.2	30
62	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, 383-389.	1.0	30
63	Brief periods of inactivity reduce leg microvascular, but not macrovascular, function in healthy young men. <i>Experimental Physiology</i> , 2018, 103, 1425-1434.	0.9	30
64	Vascular consequences of a high-fat meal in physically active and inactive adults. <i>Applied Physiology, Nutrition and Metabolism</i> , 2011, 36, 368-375.	0.9	29
65	Differential changes in vascular mRNA levels between rat iliac and renal arteries produced by cessation of voluntary running. <i>Experimental Physiology</i> , 2013, 98, 337-347.	0.9	29
66	Role of habitual physical activity in modulating vascular actions of insulin. <i>Experimental Physiology</i> , 2015, 100, 759-771.	0.9	29
67	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.	1.5	29
68	Proper normalization of flow-mediated dilation for shear. <i>Journal of Applied Physiology</i> , 2007, 103, 1108-1108.	1.2	28
69	Chronic NOS inhibition accelerates NAFLD progression in an obese rat model. <i>American Journal of Physiology - Renal Physiology</i> , 2015, 308, G540-G549.	1.6	28
70	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-R602.	0.9	28
71	A comparison between active- and reactive-hyperaemia-induced brachial artery vasodilation. <i>Clinical Science</i> , 2006, 110, 387-392.	1.8	27
72	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, 1223-1232.	1.2	27

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73	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-H874.	1.5	26
74	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, 531-544.	1.2	26
75	Heterogeneity of endothelial cell phenotype within and amongst conduit vessels of the swine vasculature. <i>Experimental Physiology</i> , 2012, 97, 1074-1082.	0.9	25
76	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, 1033-1047.	1.2	25
77	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, 44, 1657-1675.	2.1	24
78	Transcriptome-wide RNA sequencing analysis of rat skeletal muscle feed arteries. I. Impact of obesity. <i>Journal of Applied Physiology</i> , 2014, 116, 1017-1032.	1.2	23
79	Effects of ER ⁺ and ER ⁻ on OVX-induced changes in adiposity and insulin resistance. <i>Journal of Endocrinology</i> , 2020, 245, 165-178.	1.2	23
80	Identification of genes whose expression is altered by obesity throughout the arterial tree. <i>Physiological Genomics</i> , 2014, 46, 821-832.	1.0	22
81	Endothelial Estrogen Receptor- α Does Not Protect Against Vascular Stiffness Induced by Western Diet in Female Mice. <i>Endocrinology</i> , 2016, 157, 1590-1600.	1.4	22
82	Anti-inflammatory effects of exercise training in adipose tissue do not require FGF21. <i>Journal of Endocrinology</i> , 2017, 235, 97-109.	1.2	22
83	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.	0.9	22
84	Sexual Dimorphism in Obesity-Associated Endothelial ENaC Activity and Stiffening in Mice. <i>Endocrinology</i> , 2019, 160, 2918-2928.	1.4	22
85	Increased endothelial shear stress improves insulin-stimulated vasodilatation in skeletal muscle. <i>Journal of Physiology</i> , 2019, 597, 57-69.	1.3	22
86	LIMK (LIM Kinase) Inhibition Prevents Vasoconstriction- and Hypertension-Induced Arterial Stiffening and Remodeling. <i>Hypertension</i> , 2020, 76, 393-403.	1.3	22
87	Effects of ovariectomy and intrinsic aerobic capacity on tissue-specific insulin sensitivity. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016, 310, E190-E199.	1.8	21
88	Loss of Nlrp3 Does Not Protect Mice from Western Diet-Induced Adipose Tissue Inflammation and Glucose Intolerance. <i>PLoS ONE</i> , 2016, 11, e0161939.	1.1	21
89	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.	1.1	21
90	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-H385.	1.5	20

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91	Delayed vasodilation is associated with cardiovascular risk. <i>European Journal of Clinical Investigation</i> , 2014, 44, 549-556.	1.7	20
92	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.	1.2	20
93	Beta 3 Adrenergic Receptor Activation Rescues Metabolic Dysfunction in Female Estrogen Receptor Alpha-Null Mice. <i>Frontiers in Physiology</i> , 2019, 10, 9.	1.3	20
94	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, 573-578.	2.1	19
95	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, 262-271.	0.9	18
96	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.	1.6	18
97	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-H67.	1.5	17
98	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.	1.8	17
99	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.	1.5	17
100	Recruitment and remodeling of peridroplet mitochondria in human adipose tissue. <i>Redox Biology</i> , 2021, 46, 102087.	3.9	17
101	Young Ossabaw Pigs Fed a Western Diet Exhibit Early Signs of Diabetic Retinopathy. , 2018, 59, 2325.		16
102	Carotid artery occlusive disease and ocular manifestations: Importance of identifying patients at risk. <i>Optometry - Journal of the American Optometric Association</i> , 2010, 81, 359-363.	0.6	15
103	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-H564.	1.5	15
104	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.	0.7	15
105	Role of Perivascular Adipose Tissue on Vascular Reactive Oxygen Species in Type 2 Diabetes: A Give-and-Take Relationship. <i>Diabetes</i> , 2015, 64, 1904-1906.	0.3	15
106	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.	1.2	15
107	Increased monocyte-derived reactive oxygen species in type 2 diabetes: role of endoplasmic reticulum stress. <i>Experimental Physiology</i> , 2017, 102, 139-153.	0.9	14
108	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.	0.9	14

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109	Exercise and Vascular Insulin Sensitivity in the Skeletal Muscle and Brain. <i>Exercise and Sport Sciences Reviews</i> , 2019, 47, 66-74.	1.6	14
110	TRAF3IP2 (TRAF3 Interacting Protein 2) Mediates Obesity-Associated Vascular Insulin Resistance and Dysfunction in Male Mice. <i>Hypertension</i> , 2020, 76, 1319-1329.	1.3	14
111	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.	1.5	14
112	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-R258.	0.9	13
113	Ovariectomized Highly Fit Rats Are Protected against Diet-Induced Insulin Resistance. <i>Medicine and Science in Sports and Exercise</i> , 2016, 48, 1259-1269.	0.2	12
114	A Thermogenic-Like Brown Adipose Tissue Phenotype Is Dispensable for Enhanced Glucose Tolerance in Female Mice. <i>Diabetes</i> , 2019, 68, 1717-1729.	0.3	12
115	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.	1.6	12
116	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, 604-616.	1.2	10
117	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.	1.4	10
118	Voluntary wheel running improves adipose tissue immunometabolism in ovariectomized low-fit rats. <i>Adipocyte</i> , 2018, 7, 20-34.	1.3	10
119	Metabolic Implications of Diet and Energy Intake during Physical Inactivity. <i>Medicine and Science in Sports and Exercise</i> , 2019, 51, 995-1005.	0.2	10
120	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.	0.9	10
121	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.	0.9	10
122	Exercise training and vascular cell phenotype in a swine model of familial hypercholesterolaemia: conduit arteries and veins. <i>Experimental Physiology</i> , 2014, 99, 454-465.	0.9	9
123	Ablation of eNOS does not promote adipose tissue inflammation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016, 310, R744-R751.	0.9	9
124	Increased susceptibility to OVX-associated metabolic dysfunction in UCP1-null mice. <i>Journal of Endocrinology</i> , 2018, 239, 107-120.	1.2	9
125	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.	1.8	9
126	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.	1.2	9

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127	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, 169-175.	1.7	9
128	Relationship between brachial and femoral artery endothelial vasomotor function/phenotype in pigs. <i>Experimental Biology and Medicine</i> , 2010, 235, 1287-1291.	1.1	8
129	Chronic Elevation of Endothelin-1 Alone May Not Be Sufficient to Impair Endothelium-Dependent Relaxation. <i>Hypertension</i> , 2019, 74, 1409-1419.	1.3	8
130	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.	0.9	8
131	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, 1734.	1.8	8
132	Cerebrovascular insufficiency and amyloidogenic signaling in Ossabaw swine with cardiometabolic heart failure. <i>JCI Insight</i> , 2021, 6, .	2.3	8
133	Role of Endothelin-1 Receptors in Limiting Leg Blood Flow and Glucose Uptake during Hyperinsulinemia in Type 2 Diabetes. <i>Endocrinology</i> , 2022, , .	1.4	8
134	Endothelial HSP72 is not reduced in type 2 diabetes nor is it a key determinant of endothelial insulin sensitivity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2022, 323, R43-R58.	0.9	8
135	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, 1576-1584.	0.9	7
136	Vascular cell transcriptomic changes to exercise training differ directionally along and between skeletal muscle arteriolar trees. <i>Microcirculation</i> , 2017, 24, e12336.	1.0	7
137	Role of ER β in adipocyte metabolic response to wheel running following ovariectomy. <i>Journal of Endocrinology</i> , 2021, 249, 223-237.	1.2	7
138	Cystamine reduces vascular stiffness in Western diet-fed female mice. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 322, H167-H180.	1.5	7
139	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.	0.7	6
140	Identifying responders versus nonresponders: Incorporation of controls is required for sound statistical inference. <i>Experimental Physiology</i> , 2021, 106, 375-376.	0.9	6
141	Role of the arterial baroreflex in the sympathetic response to hyperinsulinemia in adult humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2022, 322, E355-E365.	1.8	6
142	Temporal Changes in Coronary Artery Function and Flow Velocity Reserve in Mice Exposed to Chronic Intermittent Hypoxia. <i>Sleep</i> , 0, , .	0.6	6
143	Mineralocorticoid Receptor in Myeloid Cells Mediates Angiotensin II-Induced Vascular Dysfunction in Female Mice. <i>Frontiers in Physiology</i> , 2021, 12, 588358.	1.3	4
144	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.	1.0	4

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145	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.	1.5	4
146	Transcriptomic effects of metformin in skeletal muscle arteries of obese insulin-resistant rats. <i>Experimental Biology and Medicine</i> , 2017, 242, 617-624.	1.1	3
147	Leg Fidgeting During Prolonged Sitting Improves Postprandial Glycemic Control in People with Obesity. <i>Obesity</i> , 2021, 29, 1146-1154.	1.5	3
148	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.	0.2	2
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164	Plasma from Type 2 Diabetes Patients Increase Monocyte-Derived Superoxide Production via ER Stress-NADPH Oxidase Pathway. <i>FASEB Journal</i> , 2015, 29, 805.6.	0.2	0
165	Alterations to Protein Level and Cellular Location of the BK Ca ²⁺ 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.	0.2	0
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