Jaume Padilla

List of Publications by Year
in descending order

180 papers	6,969 citations	71102 41 h-index	74163 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. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H2-H12.	3.2	1,126
2	Vascular Adaptation to Exercise in Humans: Role of Hemodynamic Stimuli. Physiological Reviews, 2017, 97, 495-528.	28.8	456
3	Peripheral Circulation. , 2012, 2, 321-447.		197
4	Vascular Effects of Exercise: Endothelial Adaptations Beyond Active Muscle Beds. Physiology, 2011, 26, 132-145.	3.1	174
5	Impact of prolonged sitting on lower and upper limb microâ€•and macrovascular dilator function. Experimental Physiology, 2015, 100, 829-838.	2.0	156
6	Divergent phenotype of rat thoracic and abdominal perivascular adipose tissues. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 304, R543-R552.	1.8	129
7	Prolonged sitting-induced leg endothelial dysfunction is prevented by fidgeting. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 311, H177-H182.	3.2	122
8	Disturbed Blood Flow Acutely Induces Activation and Apoptosis of the Human Vascular Endothelium. Hypertension, 2013, 61, 615-621.	2.7	121
9	Endothelial dysfunction following prolonged sitting is mediated by a reduction in shear stress. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 310, H648-H653.	3.2	120
10	Glycemic control by the SGLT2 inhibitor empagliflozin decreases aortic stiffness, renal resistivity index and kidney injury. Cardiovascular Diabetology, 2018, 17, 108.	6.8	112
11	Spontaneous bursts of muscle sympathetic nerve activity decrease leg vascular conductance in resting humans. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 304, H759-H766.	3.2	106
12	Increased muscle sympathetic nerve activity acutely alters conduit artery shear rate patterns. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 298, H1128-H1135.	3.2	102
13	Impact of reduced daily physical activity on conduit artery flow-mediated dilation and circulating endothelial microparticles. Journal of Applied Physiology, 2013, 115, 1519-1525.	2.5	100
14	Comparison of Diet versus Exercise on Metabolic Function and Gut Microbiota in Obese Rats. Medicine and Science in Sports and Exercise, 2016, 48, 1688-1698.	0.4	97
15	The exercise dose affects oxidative stress and brachial artery flow-mediated dilation in trained men. European Journal of Applied Physiology, 2012, 112, 33-42.	2.5	96
16	Six Weeks of Whole-Body Vibration Exercise Improves Pain and Fatigue in Women with Fibromyalgia. Journal of Alternative and Complementary Medicine, 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. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 297, H1103-H1108.	3.2	86
18	Mineralocorticoid Receptor Antagonism Treats Obesity-Associated Cardiac Diastolic Dysfunction. Hypertension, 2015, 65, 1082-1088.	2.7	84

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19	The effect of acute exercise on endothelial function following a high-fat meal. European Journal of Applied Physiology, 2006, 98, 256-262.	2.5	81
20	Influence of sex on microvascular and macrovascular responses to prolonged sitting. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H800-H805.	3.2	81
21	Increased brachial artery retrograde shear rate at exercise onset is abolished during prolonged cycling: role of thermoregulatory vasodilation. Journal of Applied Physiology, 2011, 110, 389-397.	2.5	80
22	Assessment of resistance vessel function in human skeletal muscle: guidelines for experimental design, Doppler ultrasound, and pharmacology. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 318, H301-H325.	3.2	78
23	Prolonged sitting leg vasculopathy: contributing factors and clinical implications. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H722-H728.	3.2	73
24	Elevated skeletal muscle irisin precursor FNDC5 mRNA in obese OLETF rats. Metabolism: Clinical and Experimental, 2013, 62, 1052-1056.	3.4	69
25	The Effects of Acute Exposure to Prolonged Sitting, With and Without Interruption, on Vascular Function Among Adults: A Meta-analysis. Sports Medicine, 2020, 50, 1929-1942.	6.5	67
26	Variability of flow-mediated dilation measurements with repetitive reactive hyperemia. Vascular Medicine, 2006, 11, 1-6.	1.5	66
27	Adjusting Flow-Mediated Dilation for Shear Stress Stimulus Allows Demonstration of Endothelial Dysfunction in a Population with Moderate Cardiovascular Risk. Journal of Vascular Research, 2009, 46, 592-600.	1.4	66
28	Brachial artery vasodilatation during prolonged lower limb exercise: role of shear rate. Experimental Physiology, 2011, 96, 1019-1027.	2.0	65
29	Physical Activity Differentially Affects the Cecal Microbiota of Ovariectomized Female Rats Selectively Bred for High and Low Aerobic Capacity. PLoS ONE, 2015, 10, e0136150.	2.5	64
30	Obesity and cardiovascular disease in women. International Journal of Obesity, 2020, 44, 1210-1226.	3.4	62
31	Relationship between upper and lower limb conduit artery vasodilator function in humans. Journal of Applied Physiology, 2011, 111, 244-250.	2.5	60
32	Prior exercise and standing as strategies to circumvent sitting-induced leg endothelial dysfunction. Clinical Science, 2017, 131, 1045-1053.	4.3	58
33	Impact of Aging on Conduit Artery Retrograde and Oscillatory Shear at Rest and During Exercise. Hypertension, 2011, 57, 484-489.	2.7	56
34	Accumulation of Physical Activity Reduces Blood Pressure in Pre- and Hypertension. Medicine and Science in Sports and Exercise, 2005, 37, 1264-1275.	0.4	54
35	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.	2.5	53
36	Loss of UCP1 exacerbates Western diet-induced glycemic dysregulation independent of changes in body weight in female mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2017, 312, R74-R84.	1.8	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. Journal of Applied Physiology, 2012, 113, 1873-1883.	2.5	48
38	Western Diet-Fed, Aortic-Banded Ossabaw Swine. JACC Basic To Translational Science, 2019, 4, 404-421.	4.1	48
39	Norepinephrine increases NADPH oxidase-derived superoxide in human peripheral blood mononuclear cells via Î±-adrenergic receptors. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2013, 305, R1124-R1132.	1.8	47
40	Î±-Adrenergic Vasoconstriction Contributes to the Age-Related Increase in Conduit Artery Retrograde and Oscillatory Shear. Hypertension, 2012, 60, 1016-1022.	2.7	46
41	Flow-Mediated Dilation in Athletes. Medicine and Science in Sports and Exercise, 2014, 46, 2148-2158.	0.4	44
42	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.	1.8	44
43	Soy Improves Cardiometabolic Health and Cecal Microbiota in Female Low-Fit Rats. Scientific Reports, 2017, 7, 9261.	3.3	43
44	Exercise training does not increase muscle FNDC5 protein or mRNA expression in pigs. Metabolism: Clinical and Experimental, 2013, 62, 1503-1511.	3.4	40
45	Characterization of the brachial artery shear stress following walking exercise. Vascular Medicine, 2008, 13, 105-111.	1.5	39
46	Pro-atherogenic shear rate patterns in the femoral artery of healthy older adults. Atherosclerosis, 2010, 211, 390-392.	0.8	39
47	Prolonged leg bending impairs endothelial function in the popliteal artery. Physiological Reports, 2017, 5, e13478.	1.7	38
48	Exercise-Induced Signals for Vascular Endothelial Adaptations: Implications for Cardiovascular Disease. Current Cardiovascular Risk Reports, 2012, 6, 331-346.	2.0	37
49	Unique transcriptomic signature of omental adipose tissue in Ossabaw swine: a model of childhood obesity. Physiological Genomics, 2014, 46, 362-375.	2.3	37
50	Vascular transcriptional alterations produced by juvenile obesity in Ossabaw swine. Physiological Genomics, 2013, 45, 434-446.	2.3	36
51	Impaired popliteal artery flow-mediated dilation caused by reduced daily physical activity is prevented by increased shear stress. Journal of Applied Physiology, 2017, 123, 49-54.	2.5	35
52	Reproducibility of the Flow-Mediated Dilation Response to Acute Exercise in Overweight Men. Ultrasound in Medicine and Biology, 2007, 33, 1579-1585.	1.5	34
53	Microvascular Dilator Function in Athletes. Medicine and Science in Sports and Exercise, 2015, 47, 1485-1494.	0.4	34
54	Administration of tauroursodeoxycholic acid prevents endothelial dysfunction caused by an oral glucose load. Clinical Science, 2016, 130, 1881-1888.	4.3	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. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 306, R596-R606.	1.8	33
56	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
57	Can the measurement of brachial artery flow-mediated dilation be applied to the acute exercise model?. Cardiovascular Ultrasound, 2007, 5, 45.	1.6	32
58	Regular Exercise Reduces Endothelial Cortical Stiffness in Western Dietâ€“Fed Female Mice. Hypertension, 2016, 68, 1236-1244.	2.7	32
59	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
60	Disconnect between adipose tissue inflammation and cardiometabolic dysfunction in Ossabaw pigs. Obesity, 2015, 23, 2421-2429.	3.0	30
61	Characterizing rapid-onset vasodilation to single muscle contractions in the human leg. Journal of Applied Physiology, 2015, 118, 455-464.	2.5	30
62	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.	2.1	30
63	Brief periods of inactivity reduce leg microvascular, but not macrovascular, function in healthy young men. Experimental Physiology, 2018, 103, 1425-1434.	2.0	30
64	Vascular consequences of a high-fat meal in physically active and inactive adults. Applied Physiology, Nutrition and Metabolism, 2011, 36, 368-375.	1.9	29
65	Differential changes in vascular mRNA levels between rat iliac and renal arteries produced by cessation of voluntary running. Experimental Physiology, 2013, 98, 337-347.	2.0	29
66	Role of habitual physical activity in modulating vascular actions of insulin. Experimental Physiology, 2015, 100, 759-771.	2.0	29
67	TRAF3IP2 mediates high glucose-induced endothelin-1 production as well as endothelin-1-induced inflammation in endothelial cells. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 314, H52-H64.	3.2	29
68	Proper â€œnormalizationâ€•of flow-mediated dilation for shear. Journal of Applied Physiology, 2007, 103, 1108-1108.	2.5	28
69	Chronic NOS inhibition accelerates NAFLD progression in an obese rat model. American Journal of Physiology - Renal Physiology, 2015, 308, G540-G549.	3.4	28
70	Retention of sedentary obese visceral white adipose tissue phenotype with intermittent physical activity despite reduced adiposity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2015, 309, R594-R602.	1.8	28
71	A comparison between active- and reactive-hyperaemia-induced brachial artery vasodilation. Clinical Science, 2006, 110, 387-392.	4.3	27
72	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

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73	Influence of spontaneously occurring bursts of muscle sympathetic nerve activity on conduit artery diameter. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 305, H867-H874.	3.2	26
74	Blood pressure regulation VIII: resistance vessel tone and implications for a pro-atherogenic conduit artery endothelial cell phenotype. European Journal of Applied Physiology, 2014, 114, 531-544.	2.5	26
75	Heterogeneity of endothelial cell phenotype within and amongst conduit vessels of the swine vasculature. Experimental Physiology, 2012, 97, 1074-1082.	2.0	25
76	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
77	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
78	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
79	Effects of ERÎ² and ERÎ± on OVX-induced changes in adiposity and insulin resistance. Journal of Endocrinology, 2020, 245, 165-178.	2.6	23
80	Identification of genes whose expression is altered by obesity throughout the arterial tree. Physiological Genomics, 2014, 46, 821-832.	2.3	22
81	Endothelial Estrogen Receptor-Î± Does Not Protect Against Vascular Stiffness Induced by Western Diet in Female Mice. Endocrinology, 2016, 157, 1590-1600.	2.8	22
82	Anti-inflammatory effects of exercise training in adipose tissue do not require FGF21. Journal of Endocrinology, 2017, 235, 97-109.	2.6	22
83	Removal of interscapular brown adipose tissue increases aortic stiffness despite normal systemic glucose metabolism in mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2018, 314, R584-R597.	1.8	22
84	Sexual Dimorphism in Obesity-Associated Endothelial ENaC Activity and Stiffening in Mice. Endocrinology, 2019, 160, 2918-2928.	2.8	22
85	Increased endothelial shear stress improves insulinâ€stimulated vasodilatation in skeletal muscle. Journal of Physiology, 2019, 597, 57-69.	2.9	22
86	LIMK (LIM Kinase) Inhibition Prevents Vasoconstriction- and Hypertension-Induced Arterial Stiffening and Remodeling. Hypertension, 2020, 76, 393-403.	2.7	22
87	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
88	Loss of Nlrp3 Does Not Protect Mice from Western Diet-Induced Adipose Tissue Inflammation and Glucose Intolerance. PLoS ONE, 2016, 11, e0161939.	2.5	21
89	Induction of endoplasmic reticulum stress impairs insulin-stimulated vasomotor relaxation in rat aortic rings: role of endothelin-1. Journal of Physiology and Pharmacology, 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. American Journal of Physiology - Heart and Circulatory Physiology, 2010, 299, H379-H385.	3.2	20

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91	Delayed vasodilation is associated with cardiovascular risk. European Journal of Clinical Investigation, 2014, 44, 549-556.	3.4	20
92	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
93	Beta 3 Adrenergic Receptor Activation Rescues Metabolic Dysfunction in Female Estrogen Receptor Alpha-Null Mice. Frontiers in Physiology, 2019, 10, 9.	2.8	20
94	Effect of Acute and Chronic Whole-Body Vibration Exercise on Serum Insulin-Like Growth Factorâ€“1 Levels in Women with Fibromyalgia. Journal of Alternative and Complementary Medicine, 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 endothelinâ€1. Experimental Physiology, 2014, 99, 262-271.	2.0	18
96	Aerobic Exercise Restores Agingâ€Associated Reductions in Arterial Adropin Levels and Improves Adropinâ€Induced Nitric Oxideâ€Dependent Vasorelaxation. Journal of the American Heart Association, 2021, 10, e020641.	3.7	18
97	Myogenic responses occur on a beat-to-beat basis in the resting human limb. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H59-H67.	3.2	17
98	Deletion of UCP1 enhances ex vivo aortic vasomotor function in female but not male mice despite similar susceptibility to metabolic dysfunction. American Journal of Physiology - Endocrinology and Metabolism, 2017, 313, E402-E412.	3.5	17
99	Persistent insulin signaling coupled with restricted PI3K activation causes insulin-induced vasoconstriction. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H1166-H1172.	3.2	17
100	Recruitment and remodeling of peridroplet mitochondria in human adipose tissue. Redox Biology, 2021, 46, 102087.	9.0	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. Optometry - Journal of the American Optometric Association, 2010, 81, 359-363.	0.6	15
103	Impact of exercise training on endothelial transcriptional profiles in healthy swine: a genome-wide microarray analysis. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 301, H555-H564.	3.2	15
104	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
105	Role of Perivascular Adipose Tissue on Vascular Reactive Oxygen Species in Type 2 Diabetes: A Give-and-Take Relationship. Diabetes, 2015, 64, 1904-1906.	0.6	15
106	Skeletal muscle microvascular insulin resistance in type 2 diabetes is not improved by eight weeks of regular walking. Journal of Applied Physiology, 2020, 129, 283-296.	2.5	15
107	Increased monocyteâ€derived reactive oxygen species in type 2 diabetes: role of endoplasmic reticulum stress. Experimental Physiology, 2017, 102, 139-153.	2.0	14
108	Effect of carbohydrate restriction-induced weight loss on aortic pulse wave velocity in overweight men and women. Applied Physiology, Nutrition and Metabolism, 2018, 43, 1247-1256.	1.9	14

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109	Exercise and Vascular Insulin Sensitivity in the Skeletal Muscle and Brain. Exercise and Sport Sciences Reviews, 2019, 47, 66-74.	3.0	14
110	TRAF3IP2 (TRAF3 Interacting Protein 2) Mediates Obesity-Associated Vascular Insulin Resistance and Dysfunction in Male Mice. Hypertension, 2020, 76, 1319-1329.	2.7	14
111	Sympathetically mediated increases in cardiac output, not restraint of peripheral vasodilation, contribute to blood pressure maintenance during hyperinsulinemia. American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H162-H170.	3.2	14
112	Potential clinical translation of juvenile rodent inactivity models to study the onset of childhood obesity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2012, 303, R247-R258.	1.8	13
113	Ovariectomized Highly Fit Rats Are Protected against Diet-Induced Insulin Resistance. Medicine and Science in Sports and Exercise, 2016, 48, 1259-1269.	0.4	12
114	A Thermogenic-Like Brown Adipose Tissue Phenotype Is Dispensable for Enhanced Glucose Tolerance in Female Mice. Diabetes, 2019, 68, 1717-1729.	0.6	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. Circulation: Heart Failure, 2020, 13, e007121.	3.9	12
116	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
117	Absence of Endothelial ERÎ± Results in Arterial Remodeling and Decreased Stiffness in Western Dietâ€“Fed Male Mice. Endocrinology, 2017, 158, 1875-1885.	2.8	10
118	Voluntary wheel running improves adipose tissue immunometabolism in ovariectomized low-fit rats. Adipocyte, 2018, 7, 20-34.	2.8	10
119	Metabolic Implications of Diet and Energy Intake during Physical Inactivity. Medicine and Science in Sports and Exercise, 2019, 51, 995-1005.	0.4	10
120	Eight weeks of fish oil supplementation does not prevent sitting-induced leg endothelial dysfunction. Applied Physiology, Nutrition and Metabolism, 2020, 45, 55-60.	1.9	10
121	Hyperinsulinemia blunts sympathetic vasoconstriction: a possible role of Î²-adrenergic activation. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 320, R771-R779.	1.8	10
122	Exercise training and vascular cell phenotype in a swine model of familial hypercholesterolaemia: conduit arteries and veins. Experimental Physiology, 2014, 99, 454-465.	2.0	9
123	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
124	Increased susceptibility to OVX-associated metabolic dysfunction in UCP1-null mice. Journal of Endocrinology, 2018, 239, 107-120.	2.6	9
125	Overproduction of endothelin-1 impairs glucose tolerance but does not promote visceral adipose tissue inflammation or limit metabolic adaptations to exercise. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E548-E558.	3.5	9
126	Maintenance of endothelial function following acute resistance exercise in females is associated with a tempered blood pressure response. Journal of Applied Physiology, 2020, 129, 792-799.	2.5	9

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127	Role of the Autonomic Nervous System in the Hemodynamic Response to Hyperinsulinemiaâ€"Implications for Obesity and Insulin Resistance. Current Diabetes Reports, 2022, 22, 169-175.	4.2	9
128	Relationship between brachial and femoral artery endothelial vasomotor function/phenotype in pigs. Experimental Biology and Medicine, 2010, 235, 1287-1291.	2.4	8
129	Chronic Elevation of Endothelin-1 Alone May Not Be Sufficient to Impair Endothelium-Dependent Relaxation. Hypertension, 2019, 74, 1409-1419.	2.7	8
130	Aerobic exercise training improves insulin-induced vasorelaxation in a vessel-specific manner in rats with insulin-treated experimental diabetes. Diabetes and Vascular Disease Research, 2019, 16, 77-86.	2.0	8
131	Voluntary Wheel Running Partially Compensates for the Effects of Global Estrogen Receptor-Î± Knockout on Cortical Bone in Young Male Mice. International Journal of Molecular Sciences, 2021, 22, 1734.	4.1	8
132	Cerebrovascular insufficiency and amyloidogenic signaling in Ossabaw swine with cardiometabolic heart failure. JCI Insight, 2021, 6, .	5.0	8
133	Role of Endothelin-1 Receptors in Limiting Leg Blood Flow and Glucose Uptake during Hyperinsulinemia in Type 2 Diabetes. Endocrinology, 2022, , .	2.8	8
134	Endothelial HSP72 is not reduced in type 2 diabetes nor is it a key determinant of endothelial insulin sensitivity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2022, 323, R43-R58.	1.8	8
135	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
136	Vascular cell transcriptomic changes to exercise training differ directionally along and between skeletal muscle arteriolar trees. Microcirculation, 2017, 24, e12336.	1.8	7
137	Role of ERÎ² in adipocyte metabolic response to wheel running following ovariectomy. Journal of Endocrinology, 2021, 249, 223-237.	2.6	7
138	Cystamine reduces vascular stiffness in Western diet-fed female mice. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 322, H167-H180.	3.2	7
139	Divergent role of nitric oxide in insulin-stimulated aortic vasorelaxation between low- and high-intrinsic aerobic capacity rats. Physiological Reports, 2015, 3, e12459.	1.7	6
140	Identifying responders versus nonâ€responders: Incorporation of controls is required for sound statistical inference. Experimental Physiology, 2021, 106, 375-376.	2.0	6
141	Role of the arterial baroreflex in the sympathetic response to hyperinsulinemia in adult humans. American Journal of Physiology - Endocrinology and Metabolism, 2022, 322, E355-E365.	3.5	6
142	Temporal Changes in Coronary Artery Function and Flow Velocity Reserve in Mice Exposed to Chronic Intermittent Hypoxia. Sleep, 0, , .	1.1	6
143	Mineralocorticoid Receptor in Myeloid Cells Mediates Angiotensin II-Induced Vascular Dysfunction in Female Mice. Frontiers in Physiology, 2021, 12, 588358.	2.8	4
144	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

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145	Mutation of the 5â€²-untranslated region stem-loop mRNA structure reduces type I collagen deposition and arterial stiffness in male obese mice. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H435-H445.	3.2	4
146	Transcriptomic effects of metformin in skeletal muscle arteries of obese insulin-resistant rats. Experimental Biology and Medicine, 2017, 242, 617-624.	2.4	3
147	Leg Fidgeting During Prolonged Sitting Improves Postprandial Glycemic Control in People with Obesity. Obesity, 2021, 29, 1146-1154.	3.0	3
148	The targeted inhibition of neuraminidase reverses endothelial glycocalyx degradation and improves endothelial function in type 2 diabetes. FASEB Journal, 2019, 33, 527.16.	0.5	2
149	Evaluating the Impact of Retrograde Shear Stress on Expression of Pro-inflammatory Genes in Rat Carotid Artery. Medicine and Science in Sports and Exercise, 2010, 42, 302.	0.4	1
150	Reply to â€œLetter to the editor: Myogenic responses occur on a beat-to-beat basis in the resting human limbâ€• American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H554-H555.	3.2	1
151	Endothelial dysfunction occurs independently of adipose tissue inflammation and insulin resistance in ovariectomized Yucatan miniature-swine. Adipocyte, 2018, 7, 35-44.	2.8	1
152	Sympathetic Transduction During Euglycemicâ€Hyperinsulinemia in Humans. FASEB Journal, 2021, 35, .	0.5	1
153	ADAM17 Cleaves the Insulin Receptor Î±â€Subunit on Endothelial Cells and Induces Vascular Insulin Resistance in Type 2 Diabetes. FASEB Journal, 2019, 33, 685.7.	0.5	1
154	Activation of protein kinase C impairs endotheliumâ€dependent vasorelaxation in isolated human omental resistance arteries. FASEB Journal, 2019, 33, 685.16.	0.5	1
155	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
156	Effect of Hyperinsulinemia on Cerebral Autoregulation and Myogenic Control of Cerebral Blood Flow in Healthy Young Adults. FASEB Journal, 2022, 36, .	0.5	1
157	When gain is greater than loss: effects of physical activity on insulin sensitivity after shortâ€term inactivity in older subjects. Journal of Physiology, 2018, 596, 5071-5072.	2.9	0
158	Reply to â€œLetter to the editor: Sympathetically mediated increases in cardiac output, or peripheral vasoconstriction as primary regulator of BP during hyperinsulinemia?â€• American Journal of Physiology - Heart and Circulatory Physiology, 2020, 319, H394-H395.	3.2	0
159	Differential Vasomotor Effects of Insulin in the Peripheral and Cerebrovascular Circulations of Healthy Young Adults. FASEB Journal, 2021, 35, .	0.5	0
160	Loss of adropin causes arterial stiffening in mouse femoral and mesenteric arteries. FASEB Journal, 2021, 35, .	0.5	0
161	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.	0.5	0
162	Intermittent Physical Activity Produces a Leaner but â€œSedentary Obeseâ€•White Adipose Tissue Phenotype. FASEB Journal, 2015, 29, 1055.16.	0.5	0

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163	Prolonged Sitting Impairs Forearm and Lower Leg Microvascular Reactivity. FASEB Journal, 2015, 29, 994.11.	0.5	0
164	Plasma from Type 2 Diabetes Patients Increase Monocyteâ€Derived Superoxide Production via ER Stressâ€NADPH Oxidase Pathway. FASEB Journal, 2015, 29, 805.6.	0.5	0
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