

Stephen M Richards

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5261729/publications.pdf>

Version: 2024-02-01

54
papers

1,409
citations

393982

19
h-index

344852

36
g-index

54
all docs

54
docs citations

54
times ranked

1630
citing authors

#	ARTICLE	IF	CITATIONS
1	Blood flow and muscle metabolism: a focus on insulin action. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 284, E241-E258.	1.8	293
2	Insulin Sensitivity of Muscle Capillary Recruitment In Vivo. <i>Diabetes</i> , 2004, 53, 447-453.	0.3	146
3	Angiotensin II-Mediated Phenotypic Cardiomyocyte Remodeling Leads to Age-Dependent Cardiac Dysfunction and Failure. <i>Hypertension</i> , 2005, 46, 426-432.	1.3	87
4	Decreased microvascular vasomotion and myogenic response in rat skeletal muscle in association with acute insulin resistance. <i>Journal of Physiology</i> , 2009, 587, 2579-2588.	1.3	67
5	Skeletal muscle contraction stimulates capillary recruitment and glucose uptake in insulin-resistant obese Zucker rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004, 287, E804-E809.	1.8	55
6	TNF- α acutely inhibits vascular effects of physiological but not high insulin or contraction. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 285, E654-E660.	1.8	54
7	Muscle microvascular blood flow responses in insulin resistance and ageing. <i>Journal of Physiology</i> , 2016, 594, 2223-2231.	1.3	50
8	Skeletal Muscle Microvascular-Linked Improvements in Glycemic Control From Resistance Training in Individuals With Type 2 Diabetes. <i>Diabetes Care</i> , 2017, 40, 1256-1263.	4.3	50
9	Muscle insulin resistance resulting from impaired microvascular insulin sensitivity in Sprague Dawley rats. <i>Cardiovascular Research</i> , 2013, 98, 28-36.	1.8	34
10	Local NOS inhibition impairs vascular and metabolic actions of insulin in rat hindleg muscle in vivo. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013, 305, E745-E750.	1.8	33
11	Obesity, Insulin Resistance, and Capillary Recruitment. <i>Microcirculation</i> , 2007, 14, 299-309.	1.0	30
12	Exercise and insulin-mediated capillary recruitment in muscle. <i>Exercise and Sport Sciences Reviews</i> , 2005, 33, 43-8.	1.6	27
13	Differing protection with aspartate and glutamate cardioplegia in the isolated rat heart. <i>Annals of Thoracic Surgery</i> , 1995, 59, 1541-1548.	0.7	26
14	Continuous Perfusion Improves Preservation of Donor Rat Hearts: Importance of the Implantation Phase. <i>Annals of Thoracic Surgery</i> , 1998, 65, 1265-1272.	0.7	26
15	Cardioprotection by Orotic Acid: Metabolism and Mechanism of Action. <i>Journal of Molecular and Cellular Cardiology</i> , 1997, 29, 3239-3250.	0.9	25
16	A vascular mechanism for high-sodium-induced insulin resistance in rats. <i>Diabetologia</i> , 2014, 57, 2586-2595.	2.9	25
17	Oral glucose challenge impairs skeletal muscle microvascular blood flow in healthy people. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E307-E315.	1.8	24
18	Mechanism of cardioprotective effect of orotic acid. <i>Cardiovascular Drugs and Therapy</i> , 1998, 12, 159-170.	1.3	20

#	ARTICLE	IF	CITATIONS
19	Metabolic and vascular actions of endothelin-1 are inhibited by insulin-mediated vasodilation in perfused rat hindlimb muscle. <i>British Journal of Pharmacology</i> , 2005, 145, 992-1000.	2.7	20
20	Adiponectin opposes endothelin-1-mediated vasoconstriction in the perfused rat hindlimb. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011, 301, H79-H86.	1.5	19
21	Regulation of microvascular flow and metabolism: An overview. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2017, 44, 143-149.	0.9	19
22	Papyriferic Acid, An Antifeedant Triterpene From Birch Trees, Inhibits Succinate Dehydrogenase From Liver Mitochondria. <i>Journal of Chemical Ecology</i> , 2009, 35, 1252-1261.	0.9	17
23	Impairments in Adipose Tissue Microcirculation in Type 2 Diabetes Mellitus Assessed by Real-Time Contrast-Enhanced Ultrasound. <i>Circulation: Cardiovascular Imaging</i> , 2018, 11, e007074.	1.3	17
24	Insulin and contraction increase nutritive blood flow in rat muscle <i>in vivo</i> determined by microdialysis of ^{14}C glucose. <i>Journal of Physiology</i> , 2007, 585, 217-229.	1.3	16
25	Comparison of UW solution and St. Thomas' solution in the rat: Importance of potassium concentration. <i>Annals of Thoracic Surgery</i> , 1996, 61, 576-584.	0.7	15
26	Graded occlusion of perfused rat muscle vasculature decreases insulin action. <i>Clinical Science</i> , 2007, 112, 457-466.	1.8	15
27	Contrast-enhanced ultrasound measurement of microvascular perfusion relevant to nutrient and hormone delivery in skeletal muscle: A model study <i>in vitro</i> . <i>Microvascular Research</i> , 2008, 75, 323-329.	1.1	13
28	Microvascular Contributions to Insulin Resistance. <i>Diabetes</i> , 2013, 62, 343-345.	0.3	13
29	An Abductive Inference Approach to Assess the Performance-Enhancing Effects of Drugs Included on the World Anti-Doping Agency Prohibited List. <i>Sports Medicine</i> , 2021, 51, 1353-1376.	3.1	13
30	Adiposity Gain During Childhood, ACE I/D Polymorphisms and Metabolic Outcomes. <i>Obesity</i> , 2008, 16, 2141-2147.	1.5	12
31	Acute vascular and metabolic actions of the green tea polyphenol epigallocatechin 3-gallate in rat skeletal muscle. <i>Journal of Nutritional Biochemistry</i> , 2017, 40, 23-31.	1.9	12
32	Metformin improves vascular and metabolic insulin action in insulin-resistant muscle. <i>Journal of Endocrinology</i> , 2019, 243, 85-96.	1.2	11
33	Aspartate improves recovery of the recently infarcted rat heart after cardioplegic arrest. <i>European Journal of Cardio-thoracic Surgery</i> , 1998, 14, 185-190.	0.6	10
34	Postprandial microvascular blood flow in skeletal muscle: Similarities and disparities to the hyperinsulinaemic-euglycaemic clamp. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020, 47, 725-737.	0.9	10
35	T-1032, a cyclic GMP phosphodiesterase-5 inhibitor, acutely blocks physiologic insulin-mediated muscle haemodynamic effects and glucose uptake <i>in vivo</i> . <i>British Journal of Pharmacology</i> , 2003, 140, 1283-1291.	2.7	9
36	Microvascular flow routes in muscle controlled by vasoconstrictors. <i>Microvascular Research</i> , 2005, 70, 7-16.	1.1	9

#	ARTICLE	IF	CITATIONS
37	Factors Influencing the Hemodynamic and Metabolic Effects of Insulin in Muscle. <i>Current Diabetes Reviews</i> , 2006, 2, 61-70.	0.6	9
38	Characterization of perfused periaortic brown adipose tissue from the rat. <i>Canadian Journal of Physiology and Pharmacology</i> , 1994, 72, 344-352.	0.7	8
39	Uridine preserves ATP during hypoxic perfusion of the rat heart. <i>Heart, Lung and Circulation</i> , 1997, 6, 190-196.	0.1	8
40	Acute, local infusion of angiotensin II impairs microvascular and metabolic insulin sensitivity in skeletal muscle. <i>Cardiovascular Research</i> , 2019, 115, 590-601.	1.8	8
41	Metabolic-vascular coupling in skeletal muscle: A potential role for capillary pericytes?. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020, 47, 520-528.	0.9	7
42	Impaired postprandial skeletal muscle vascular responses to a mixed meal challenge in normoglycaemic people with a parent with type 2 diabetes. <i>Diabetologia</i> , 2022, 65, 216-225.	2.9	7
43	Muscle metabolism and control of capillary blood flow: insulin and exercise. <i>Essays in Biochemistry</i> , 2006, 42, 133-144.	2.1	7
44	Determination of Skeletal Muscle Microvascular Flowmotion with Contrast-Enhanced Ultrasound. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 2013-2023.	0.7	6
45	Enhancement of insulin-mediated rat muscle glucose uptake and microvascular perfusion by 5-aminoimidazole-4-carboxamide-1- β -D-ribofuranoside. <i>Cardiovascular Diabetology</i> , 2015, 14, 91.	2.7	5
46	POTENTIAL FOR ENDOTHELIN-1-MEDIATED IMPAIRMENT OF CONTRACTILE ACTIVITY IN HYPERTENSION. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2007, 34, 217-222.	0.9	4
47	Pregnancy protects against the pro-inflammatory respiratory responses induced by particulate matter exposure. <i>Chemosphere</i> , 2019, 225, 796-802.	4.2	4
48	Perfusion controls muscle glucose uptake by altering the rate of glucose dispersion in vivo. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020, 318, E311-E312.	1.8	4
49	[32P]Phosphate Autoradiography as an Indicator of Regional Myocardial Oxygen Consumption?. <i>Journal of Molecular and Cellular Cardiology</i> , 1993, 25, 289-302.	0.9	3
50	Are the metabolic benefits of resistance training in type 2 diabetes linked to improvements in adipose tissue microvascular blood flow?. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E1242-E1250.	1.8	3
51	A close association between vasoconstrictor-mediated uracil and lactate release by the perfused rat hindlimb. <i>General Pharmacology</i> , 1992, 23, 65-69.	0.7	2
52	Vasoconstrictor-mediated release of purines and pyrimidines from perfused rat hindlimb, perfused mesenteric arcade and incubated de-endothelialized aorta. <i>General Pharmacology</i> , 1994, 25, 1679-1690.	0.7	1
53	In utero exposure to diesel exhaust particles, but not silica, alters post-natal immune development and function. <i>Chemosphere</i> , 2021, 268, 129314.	4.2	1
54	Impaired postprandial adipose tissue microvascular blood flow responses to a mixed-nutrient meal in first-degree relatives of adults with type 2 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 0, , .	1.8	0