

Etto C Eringa

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.

75
papers

2,815
citations

27
h-index

52
g-index

80
ext. papers

3,210
ext. citations

7.4
avg, IF

4.94
L-index

#	Paper	IF	Citations
75	"Vasocrine" signalling from perivascular fat: a mechanism linking insulin resistance to vascular disease. <i>Lancet, The</i> , 2005 , 365, 1817-20	4.0	418
74	Endothelial dysfunction and diabetes: roles of hyperglycemia, impaired insulin signaling and obesity. <i>Cell and Tissue Research</i> , 2009 , 335, 165-89	4.2	203
73	Microvascular dysfunction: a potential pathophysiological role in the metabolic syndrome. <i>Hypertension</i> , 2007 , 50, 204-11	8.5	183
72	Microvascular dysfunction: a potential mechanism in the pathogenesis of obesity-associated insulin resistance and hypertension. <i>Microcirculation</i> , 2012 , 19, 5-18	2.9	107
71	Effective treatment of edema and endothelial barrier dysfunction with imatinib. <i>Circulation</i> , 2012 , 126, 2728-38	16.7	103
70	Vasoconstrictor effects of insulin in skeletal muscle arterioles are mediated by ERK1/2 activation in endothelium. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 287, H2043-8	5.2	95
69	Regulation of vascular function and insulin sensitivity by adipose tissue: focus on perivascular adipose tissue. <i>Microcirculation</i> , 2007 , 14, 389-402	2.9	94
68	Perivascular adipose tissue control of insulin-induced vasoreactivity in muscle is impaired in db/db mice. <i>Diabetes</i> , 2013 , 62, 590-8	0.9	93
67	Physiological concentrations of insulin induce endothelin-mediated vasoconstriction during inhibition of NOS or PI3-kinase in skeletal muscle arterioles. <i>Cardiovascular Research</i> , 2002 , 56, 464-71	9.9	89
66	Endothelial dysfunction in (pre)diabetes: characteristics, causative mechanisms and pathogenic role in type 2 diabetes. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2013 , 14, 39-48	10.5	82
65	Mechanistic Links Between Obesity, Diabetes, and Blood Pressure: Role of Perivascular Adipose Tissue. <i>Physiological Reviews</i> , 2019 , 99, 1701-1763	47.9	76
64	Reactive oxygen species-induced stimulation of 5 α -AMP-activated protein kinase mediates sevoflurane-induced cardioprotection. <i>Circulation</i> , 2009 , 120, S10-5	16.7	75
63	Perivascular adipose tissue and its role in type 2 diabetes and cardiovascular disease. <i>Current Diabetes Reports</i> , 2011 , 11, 211-7	5.6	71
62	Birth weight relates to salt sensitivity of blood pressure in healthy adults. <i>Hypertension</i> , 2008 , 51, 928-32	38.5	70
61	Paracrine regulation of vascular tone, inflammation and insulin sensitivity by perivascular adipose tissue. <i>Vascular Pharmacology</i> , 2012 , 56, 204-9	5.9	68
60	Physiological concentrations of insulin induce endothelin-dependent vasoconstriction of skeletal muscle resistance arteries in the presence of tumor necrosis factor- α dependence on c-Jun N-terminal kinase. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006 , 26, 274-80	9.4	66
59	Selective resistance to vasoactive effects of insulin in muscle resistance arteries of obese Zucker (fa/fa) rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 293, E1134-9	6	66

58	Insulin-induced microvascular recruitment in skin and muscle are related and both are associated with whole-body glucose uptake. <i>Microcirculation</i> , 2012 , 19, 494-500	2.9	59
57	Activation of AMP-activated protein kinase by 5-aminoimidazole-4-carboxamide-1-beta-D-ribofuranoside in the muscle microcirculation increases nitric oxide synthesis and microvascular perfusion. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 1137-42	9.4	58
56	ESC Working Group on Coronary Pathophysiology and Microcirculation position paper on Coronary microvascular dysfunction in cardiovascular disease <i>Cardiovascular Research</i> , 2020 , 116, 741-755	9.9	57
55	Bariatric surgery as a novel treatment for type 2 diabetes mellitus: a systematic review. <i>Archives of Surgery</i> , 2011 , 146, 744-50		50
54	Reduction in skin microvascular density and changes in vessel morphology in patients treated with sunitinib. <i>Anti-Cancer Drugs</i> , 2010 , 21, 439-46	2.4	50
53	Coronary microvascular dysfunction in a porcine model of early atherosclerosis and diabetes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H85-94	5.2	47
52	Protein kinase C theta activation induces insulin-mediated constriction of muscle resistance arteries. <i>Diabetes</i> , 2008 , 57, 706-13	0.9	47
51	Insulin-induced changes in skeletal muscle microvascular perfusion are dependent upon perivascular adipose tissue in women. <i>Diabetologia</i> , 2015 , 58, 1907-15	10.3	32
50	Body Mass Index Is Associated With Microvascular Endothelial Dysfunction in Patients With Treated Metabolic Risk Factors and Suspected Coronary Artery Disease. <i>Journal of the American Heart Association</i> , 2017 , 6,	6	29
49	Cardioprotection via activation of protein kinase C-delta depends on modulation of the reverse mode of the Na ⁺ /Ca ²⁺ exchanger. <i>Circulation</i> , 2006 , 114, 1226-32	16.7	29
48	Neovascularization of the atherosclerotic plaque: interplay between atherosclerotic lesion, adventitia-derived microvessels and perivascular fat. <i>Current Opinion in Lipidology</i> , 2015 , 26, 405-11	4.4	26
47	Renal hypoperfusion and impaired endothelium-dependent vasodilation in an animal model of VILI: the role of the peroxynitrite-PARP pathway. <i>Critical Care</i> , 2010 , 14, R45	10.8	24
46	Globular adiponectin controls insulin-mediated vasoreactivity in muscle through AMPK α . <i>Vascular Pharmacology</i> , 2016 , 78, 24-35	5.9	23
45	Glucocorticoid treatment impairs microvascular function in healthy men in association with its adverse effects on glucose metabolism and blood pressure: a randomised controlled trial. <i>Diabetologia</i> , 2013 , 56, 2383-91	10.3	22
44	Insulin-induced changes in microvascular vasomotion and capillary recruitment are associated in humans. <i>Microcirculation</i> , 2014 , 21, 380-7	2.9	21
43	Microvascular dysfunction: causative role in the association between hypertension, insulin resistance and the metabolic syndrome?. <i>Essays in Biochemistry</i> , 2006 , 42, 163-76	7.6	21
42	Role of Insulin-Stimulated Adipose Tissue Perfusion in the Development of Whole-Body Insulin Resistance. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017 , 37, 411-418	9.4	17
41	FGF23 impairs peripheral microvascular function in renal failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018 , 315, H1414-H1424	5.2	16

40	Empagliflozin restores chronic kidney disease-induced impairment of endothelial regulation of cardiomyocyte relaxation and contraction. <i>Kidney International</i> , 2021 , 99, 1088-1101	9.9	16
39	Cardiovascular disease and COVID-19: a consensus paper from the ESC Working Group on Coronary Pathophysiology & Microcirculation, ESC Working Group on Thrombosis and the Association for Acute CardioVascular Care (ACVC), in collaboration with the European Heart Rhythm Association (EHRA). <i>Cardiovascular Research</i> , 2021 .	9.9	16
38	Relationships Between Type 2 Diabetes, Neuropathy, and Microvascular Dysfunction: Evidence From Patients With Cryptogenic Axonal Polyneuropathy. <i>Diabetes Care</i> , 2017 , 40, 583-590	14.6	15
37	Contrast-enhanced ultrasound for quantification of tissue perfusion in humans. <i>Microcirculation</i> , 2020 , 27, e12588	2.9	15
36	Effects of hyperoxia on vascular tone in animal models: systematic review and meta-analysis. <i>Critical Care</i> , 2018 , 22, 189	10.8	14
35	Sleep quality and duration are related to microvascular function: the Amsterdam Growth and Health Longitudinal Study. <i>Journal of Sleep Research</i> , 2015 , 24, 140-7	5.8	11
34	High Fibroblast Growth Factor 23 concentrations in experimental renal failure impair calcium handling in cardiomyocytes. <i>Physiological Reports</i> , 2018 , 6, e13591	2.6	11
33	The vascular contribution to insulin resistance: promise, proof, and pitfalls. <i>Diabetes</i> , 2012 , 61, 3063-5	0.9	10
32	Depletion of Arg/Abl2 improves endothelial cell adhesion and prevents vascular leak during inflammation. <i>Angiogenesis</i> , 2021 , 24, 677-693	10.6	10
31	CrossTalk proposal: De novo capillary recruitment in healthy muscle is necessary. <i>Journal of Physiology</i> , 2014 , 592, 5129-31	3.9	9
30	Body mass index is related to microvascular vasomotion, this is partly explained by adiponectin. <i>European Journal of Clinical Investigation</i> , 2014 , 44, 660-7	4.6	9
29	Hyperoxia does not affect oxygen delivery in healthy volunteers while causing a decrease in sublingual perfusion. <i>Microcirculation</i> , 2018 , 25, e12433	2.9	7
28	Perivascular Adipose Tissue Controls Insulin-Stimulated Perfusion, Mitochondrial Protein Expression, and Glucose Uptake in Muscle Through Adipomuscular Arterioles. <i>Diabetes</i> , 2020 , 69, 603-613	9.9	6
27	Iloprost infusion prevents the insulin-induced reduction in skeletal muscle microvascular blood volume but does not enhance peripheral glucose uptake in type 2 diabetic patients. <i>Diabetes, Obesity and Metabolism</i> , 2018 , 20, 2523-2531	6.7	6
26	The relationship of body fatness and body fat distribution with microvascular recruitment: The Amsterdam Growth and Health Longitudinal Study. <i>Microcirculation</i> , 2012 , 19, 273-9	2.9	6
25	Insulin Sensitivity Determines Effects of Insulin and Meal Ingestion on Systemic Vascular Resistance in Healthy Subjects. <i>Microcirculation</i> , 2016 , 23, 62-8	2.9	6
24	The presence of cerebral white matter lesions and lower skin microvascular perfusion predicts lower cognitive performance in type 1 diabetes patients with retinopathy but not in healthy controls-A longitudinal study. <i>Microcirculation</i> , 2019 , 26, e12530	2.9	5
23	JNK2 in myeloid cells impairs insulin vasodilator effects in muscle during early obesity development through perivascular adipose tissue dysfunction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 317, H364-H374	5.2	5

22	Perivascular fat in human muscle. <i>Lancet Diabetes and Endocrinology,the</i> , 2016 , 4, 958	18.1	5
21	Insulin Receptor Substrate 2 Controls Insulin-Mediated Vasoreactivity and Perivascular Adipose Tissue Function in Muscle. <i>Frontiers in Physiology</i> , 2018 , 9, 245	4.6	4
20	Myocardial contrast echocardiography in mice: technical and physiological aspects. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018 , 314, H381-H391	5.2	4
19	Combined Intravital Microscopy and Contrast-enhanced Ultrasonography of the Mouse Hindlimb to Study Insulin-induced Vasodilation and Muscle Perfusion. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	4
18	Metabolic-vascular coupling in skeletal muscle: A potential role for capillary pericytes?. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2020 , 47, 520-528	3	4
17	Four-and-a-half LIM domain protein 2 (FHL2) deficiency protects mice from diet-induced obesity and high FHL2 expression marks human obesity. <i>Metabolism: Clinical and Experimental</i> , 2021 , 121, 154815	12.7	4
16	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	6	3
15	The effect of perioperative insulin treatment on cardiodepression in mild adiposity in mice. <i>Cardiovascular Diabetology</i> , 2016 , 15, 135	8.7	3
14	Effects of a Hypercaloric and Hypocaloric Diet on Insulin-Induced Microvascular Recruitment, Glucose Uptake, and Lipolysis in Healthy Lean Men. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020 , 40, 1695-1704	9.4	2
13	The Role of Systemic Microvascular Dysfunction in Heart Failure with Preserved Ejection Fraction.. <i>Biomolecules</i> , 2022 , 12,	5.9	2
12	Rebuttal from Eugene J. Barrett, Michelle A. Keske, Stephen Rattigan and Etto C. Eringa. <i>Journal of Physiology</i> , 2014 , 592, 5137-8	3.9	1
11	Phenotyping the microcirculation with contrast-enhanced ultrasound. <i>Hypertension</i> , 2012 , 60, e38; author reply e39	8.5	1
10	Does microvascular dysfunction link obesity with insulin resistance and hypertension?. <i>Expert Review of Endocrinology and Metabolism</i> , 2006 , 1, 181-187	4.1	1
9	Effects of imatinib on vascular insulin sensitivity and free fatty acid transport in early weight gain. <i>PLoS ONE</i> , 2021 , 16, e0250442	3.7	1
8	Improving insights into the heterogeneous HFpEF syndrome through microvascular research.. <i>Journal of Molecular and Cellular Cardiology</i> , 2022 , 167, 106-108	5.8	0
7	PS9 - 6. Cardiac microvascular perfusion defects precede insulin resistance in mildly obese mice. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2013 , 11, 169-170	0	
6	PS9 - 9. Human coronary artery disease is characterized by defects in coronary insulin signaling. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2013 , 11, 183-183	0	
5	PS3 - 16. Insulin induced vasoreactivity is dependent on perivascular adipose tissue as well as resistance artery properties after a two-week high fat diet in mice. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2011 , 9, 101-101	0	

- 4 PS14 - 74. Microvascular insulin sensitivity in human skeletal muscle and skin are related and both are associated with metabolic insulin sensitivity. *Nederlands Tijdschrift Voor Diabetologie*, **2011**, 9, 140-141
- 3 MP345CHRONIC KIDNEY DISEASE DISTURBS CARDIAC CALCIUM HANDLING DUE TO HIGH FGF23 LEVELSFGF23 LEVELS. *Nephrology Dialysis Transplantation*, **2016**, 31, i454-i454 4.3
- 2 MP349ENDOTHELIAL DYSFUNCTION IN EXPERIMENTAL CHRONIC KIDNEY DISEASE IS CAUSED BY FGF23. *Nephrology Dialysis Transplantation*, **2016**, 31, i456-i456 4.3
- 1 Increased Intra-individual Perivascular Adipose Tissue Density and Increased Inflammatory RNA Expression of Perivascular Adipose Tissue in Patients with Abdominal Aortic Aneurysms. *European Journal of Vascular and Endovascular Surgery*, **2019**, 58, e349-e350 2.3