

# Etto C Eringa

## List of Publications by Year in Descending Order

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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 | The Role of Systemic Microvascular Dysfunction in Heart Failure with Preserved Ejection Fraction.. <i>Biomolecules</i> , <b>2022</b> , 12,  | 5.9  | 2         |
| 74 | Improving insights into the heterogeneous HFpEF syndrome through microvascular research.. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2022</b> , 167, 106-108  | 5.8  | 0         |
| 73 | Depletion of Arg/Abl2 improves endothelial cell adhesion and prevents vascular leak during inflammation. <i>Angiogenesis</i> , <b>2021</b> , 24, 677-693  | 10.6 | 10        |
| 72 | Empagliflozin restores chronic kidney disease-induced impairment of endothelial regulation of cardiomyocyte relaxation and contraction. <i>Kidney International</i> , <b>2021</b> , 99, 1088-1101   | 9.9  | 16        |
| 71 | Effects of imatinib on vascular insulin sensitivity and free fatty acid transport in early weight gain. <i>PLoS ONE</i> , <b>2021</b> , 16, e0250442  | 3.7  | 1         |
| 70 | 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> , <b>2021</b> , 121, 154815   | 12.7 | 4         |
| 69 | 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>European Heart Journal</i> , <b>2021</b> , 42, 152-161 | 9.9  | 16        |
| 68 | 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> , <b>2020</b> , 40, 1695-1704   | 9.4  | 2         |
| 67 | ESC Working Group on Coronary Pathophysiology and Microcirculation position paper on Coronary microvascular dysfunction in cardiovascular disease. <i>Cardiovascular Research</i> , <b>2020</b> , 116, 741-755  | 9.9  | 57        |
| 66 | Perfusion controls muscle glucose uptake by altering the rate of glucose dispersion in vivo. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2020</b> , 318, E311-E312  | 6    | 3         |
| 65 | Perivascular Adipose Tissue Controls Insulin-Stimulated Perfusion, Mitochondrial Protein Expression, and Glucose Uptake in Muscle Through Adipomuscular Arterioles. <i>Diabetes</i> , <b>2020</b> , 69, 603-613   | 9.9  | 6         |
| 64 | Metabolic-vascular coupling in skeletal muscle: A potential role for capillary pericytes?. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2020</b> , 47, 520-528   | 3    | 4         |
| 63 | Contrast-enhanced ultrasound for quantification of tissue perfusion in humans. <i>Microcirculation</i> , <b>2020</b> , 27, e12588   | 2.9  | 15        |
| 62 | 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> , <b>2019</b> , 26, e12530   | 2.9  | 5         |
| 61 | 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> , <b>2019</b> , 317, H364-H374   | 5.2  | 5         |
| 60 | Mechanistic Links Between Obesity, Diabetes, and Blood Pressure: Role of Perivascular Adipose Tissue. <i>Physiological Reviews</i> , <b>2019</b> , 99, 1701-1763  | 47.9 | 76        |
| 59 | Increased Intra-individual Perivascular Adipose Tissue Density and Increased Inflammatory RNA Expression of Perivascular Adipose Tissue in Patients with Abdominal Aortic Aneurysms. <i>European Journal of Vascular and Endovascular Surgery</i> , <b>2019</b> , 58, e349-e350   | 2.3  |           |

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| 58 | Hyperoxia does not affect oxygen delivery in healthy volunteers while causing a decrease in sublingual perfusion. <i>Microcirculation</i> , <b>2018</b> , 25, e12433   | 2.9  | 7  |
| 57 | High Fibroblast Growth Factor 23 concentrations in experimental renal failure impair calcium handling in cardiomyocytes. <i>Physiological Reports</i> , <b>2018</b> , 6, e13591  | 2.6  | 11 |
| 56 | Insulin Receptor Substrate 2 Controls Insulin-Mediated Vasoreactivity and Perivascular Adipose Tissue Function in Muscle. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 245  | 4.6  | 4  |
| 55 | FGF23 impairs peripheral microvascular function in renal failure. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2018</b> , 315, H1414-H1424  | 5.2  | 16 |
| 54 | Effects of hyperoxia on vascular tone in animal models: systematic review and meta-analysis. <i>Critical Care</i> , <b>2018</b> , 22, 189  | 10.8 | 14 |
| 53 | Myocardial contrast echocardiography in mice: technical and physiological aspects. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2018</b> , 314, H381-H391   | 5.2  | 4  |
| 52 | 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> , <b>2018</b> , 20, 2523-2531 | 6.7  | 6  |
| 51 | Role of Insulin-Stimulated Adipose Tissue Perfusion in the Development of Whole-Body Insulin Resistance. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2017</b> , 37, 411-418   | 9.4  | 17 |
| 50 | Relationships Between Type 2 Diabetes, Neuropathy, and Microvascular Dysfunction: Evidence From Patients With Cryptogenic Axonal Polyneuropathy. <i>Diabetes Care</i> , <b>2017</b> , 40, 583-590  | 14.6 | 15 |
| 49 | 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> , <b>2017</b> , 6,                      | 6    | 29 |
| 48 | 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> , <b>2017</b> ,  | 1.6  | 4  |
| 47 | Globular adiponectin controls insulin-mediated vasoreactivity in muscle through AMPK $\alpha$ . <i>Vascular Pharmacology</i> , <b>2016</b> , 78, 24-35   | 5.9  | 23 |
| 46 | MP345CHRONIC KIDNEY DISEASE DISTURBS CARDIAC CALCIUM HANDLING DUE TO HIGH FGF23 LEVELSFGF23 LEVELS. <i>Nephrology Dialysis Transplantation</i> , <b>2016</b> , 31, i454-i454   | 4.3  |    |
| 45 | MP349ENDOTHELIAL DYSFUNCTION IN EXPERIMENTAL CHRONIC KIDNEY DISEASE IS CAUSED BY FGF23. <i>Nephrology Dialysis Transplantation</i> , <b>2016</b> , 31, i456-i456   | 4.3  |    |
| 44 | Perivascular fat in human muscle. <i>Lancet Diabetes and Endocrinology</i> , <b>2016</b> , 4, 958  | 18.1 | 5  |
| 43 | The effect of perioperative insulin treatment on cardiodepression in mild adiposity in mice. <i>Cardiovascular Diabetology</i> , <b>2016</b> , 15, 135   | 8.7  | 3  |
| 42 | Insulin Sensitivity Determines Effects of Insulin and Meal Ingestion on Systemic Vascular Resistance in Healthy Subjects. <i>Microcirculation</i> , <b>2016</b> , 23, 62-8   | 2.9  | 6  |
| 41 | Sleep quality and duration are related to microvascular function: the Amsterdam Growth and Health Longitudinal Study. <i>Journal of Sleep Research</i> , <b>2015</b> , 24, 140-7   | 5.8  | 11 |

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| 40 | Insulin-induced changes in skeletal muscle microvascular perfusion are dependent upon perivascular adipose tissue in women. <i>Diabetologia</i> , <b>2015</b> , 58, 1907-15   | 10.3 | 32  |
| 39 | Neovascularization of the atherosclerotic plaque: interplay between atherosclerotic lesion, adventitia-derived microvessels and perivascular fat. <i>Current Opinion in Lipidology</i> , <b>2015</b> , 26, 405-11                       | 4.4  | 26  |
| 38 | Insulin-induced changes in microvascular vasomotion and capillary recruitment are associated in humans. <i>Microcirculation</i> , <b>2014</b> , 21, 380-7   | 2.9  | 21  |
| 37 | CrossTalk proposal: De novo capillary recruitment in healthy muscle is necessary. <i>Journal of Physiology</i> , <b>2014</b> , 592, 5129-31   | 3.9  | 9   |
| 36 | Body mass index is related to microvascular vasomotion, this is partly explained by adiponectin. <i>European Journal of Clinical Investigation</i> , <b>2014</b> , 44, 660-7  | 4.6  | 9   |
| 35 | Rebuttal from Eugene J. Barrett, Michelle A. Keske, Stephen Rattigan and Etto C. Eringa. <i>Journal of Physiology</i> , <b>2014</b> , 592, 5137-8   | 3.9  | 1   |
| 34 | Perivascular adipose tissue control of insulin-induced vasoreactivity in muscle is impaired in db/db mice. <i>Diabetes</i> , <b>2013</b> , 62, 590-8  | 0.9  | 93  |
| 33 | Endothelial dysfunction in (pre)diabetes: characteristics, causative mechanisms and pathogenic role in type 2 diabetes. <i>Reviews in Endocrine and Metabolic Disorders</i> , <b>2013</b> , 14, 39-48                                   | 10.5 | 82  |
| 32 | 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> , <b>2013</b> , 56, 2383-91 | 10.3 | 22  |
| 31 | PS9 - 6. Cardiac microvascular perfusion defects precede insulin resistance in mildly obese mice. <i>Nederlands Tijdschrift Voor Diabetologie</i> , <b>2013</b> , 11, 169-170   | 0    |     |
| 30 | PS9 - 9. Human coronary artery disease is characterized by defects in coronary insulin signaling. <i>Nederlands Tijdschrift Voor Diabetologie</i> , <b>2013</b> , 11, 183-183   | 0    |     |
| 29 | The relationship of body fatness and body fat distribution with microvascular recruitment: The Amsterdam Growth and Health Longitudinal Study. <i>Microcirculation</i> , <b>2012</b> , 19, 273-9  | 2.9  | 6   |
| 28 | Paracrine regulation of vascular tone, inflammation and insulin sensitivity by perivascular adipose tissue. <i>Vascular Pharmacology</i> , <b>2012</b> , 56, 204-9  | 5.9  | 68  |
| 27 | Insulin-induced microvascular recruitment in skin and muscle are related and both are associated with whole-body glucose uptake. <i>Microcirculation</i> , <b>2012</b> , 19, 494-500  | 2.9  | 59  |
| 26 | Effective treatment of edema and endothelial barrier dysfunction with imatinib. <i>Circulation</i> , <b>2012</b> , 126, 2728-38   | 16.7 | 103 |
| 25 | The vascular contribution to insulin resistance: promise, proof, and pitfalls. <i>Diabetes</i> , <b>2012</b> , 61, 3063-5   | 0.9  | 10  |
| 24 | Microvascular dysfunction: a potential mechanism in the pathogenesis of obesity-associated insulin resistance and hypertension. <i>Microcirculation</i> , <b>2012</b> , 19, 5-18  | 2.9  | 107 |
| 23 | Coronary microvascular dysfunction in a porcine model of early atherosclerosis and diabetes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2012</b> , 302, H85-94                                       | 5.2  | 47  |

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| 22 | Phenotyping the microcirculation with contrast-enhanced ultrasound. <i>Hypertension</i> , <b>2012</b> , 60, e38; author reply e39  | 8.5  | 1   |
| 21 | Perivascular adipose tissue and its role in type 2 diabetes and cardiovascular disease. <i>Current Diabetes Reports</i> , <b>2011</b> , 11, 211-7  | 5.6  | 71  |
| 20 | 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> , <b>2011</b> , 9, 101-101  | 0    |     |
| 19 | PS14 - 74. Microvascular insulin sensitivity in human skeletal muscle and skin are related and both are associated with metabolic insulin sensitivity. <i>Nederlands Tijdschrift Voor Diabetologie</i> , <b>2011</b> , 9, 140-141  |      |     |
| 18 | Bariatric surgery as a novel treatment for type 2 diabetes mellitus: a systematic review. <i>Archives of Surgery</i> , <b>2011</b> , 146, 744-50   |      | 50  |
| 17 | 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> , <b>2010</b> , 30, 1127-13                | 9.4  | 58  |
| 16 | Renal hypoperfusion and impaired endothelium-dependent vasodilation in an animal model of VILI: the role of the peroxynitrite-PARP pathway. <i>Critical Care</i> , <b>2010</b> , 14, R45   | 10.8 | 24  |
| 15 | Reduction in skin microvascular density and changes in vessel morphology in patients treated with sunitinib. <i>Anti-Cancer Drugs</i> , <b>2010</b> , 21, 439-46   | 2.4  | 50  |
| 14 | Reactive oxygen species-induced stimulation of 5AMP-activated protein kinase mediates sevoflurane-induced cardioprotection. <i>Circulation</i> , <b>2009</b> , 120, S10-5  | 16.7 | 75  |
| 13 | Endothelial dysfunction and diabetes: roles of hyperglycemia, impaired insulin signaling and obesity. <i>Cell and Tissue Research</i> , <b>2009</b> , 335, 165-89  | 4.2  | 203 |
| 12 | Birth weight relates to salt sensitivity of blood pressure in healthy adults. <i>Hypertension</i> , <b>2008</b> , 51, 928-32   | 8.5  | 70  |
| 11 | Protein kinase C theta activation induces insulin-mediated constriction of muscle resistance arteries. <i>Diabetes</i> , <b>2008</b> , 57, 706-13  | 0.9  | 47  |
| 10 | Microvascular dysfunction: a potential pathophysiological role in the metabolic syndrome. <i>Hypertension</i> , <b>2007</b> , 50, 204-11   | 8.5  | 183 |
| 9  | Regulation of vascular function and insulin sensitivity by adipose tissue: focus on perivascular adipose tissue. <i>Microcirculation</i> , <b>2007</b> , 14, 389-402   | 2.9  | 94  |
| 8  | 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> , <b>2007</b> , 293, E1134-9  | 6    | 66  |
| 7  | Cardioprotection via activation of protein kinase C-delta depends on modulation of the reverse mode of the Na <sup>+</sup> /Ca <sup>2+</sup> exchanger. <i>Circulation</i> , <b>2006</b> , 114, 1226-32  | 16.7 | 29  |
| 6  | Physiological concentrations of insulin induce endothelin-dependent vasoconstriction of skeletal muscle resistance arteries in the presence of tumor necrosis factor-alpha dependence on c-Jun N-terminal kinase. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2006</b> , 26, 274-80 | 9.4  | 66  |
| 5  | Does microvascular dysfunction link obesity with insulin resistance and hypertension?. <i>Expert Review of Endocrinology and Metabolism</i> , <b>2006</b> , 1, 181-187   | 4.1  | 1   |

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| 4 | Microvascular dysfunction: causative role in the association between hypertension, insulin resistance and the metabolic syndrome?. <i>Essays in Biochemistry</i> , <b>2006</b> , 42, 163-76                              | 7.6 | 21  |
| 3 | "Vasocrine" signalling from perivascular fat: a mechanism linking insulin resistance to vascular disease. <i>Lancet, The</i> , <b>2005</b> , 365, 1817-20  | 4.0 | 418 |
| 2 | 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> , <b>2004</b> , 287, H2043-8 | 5.2 | 95  |
| 1 | Physiological concentrations of insulin induce endothelin-mediated vasoconstriction during inhibition of NOS or PI3-kinase in skeletal muscle arterioles. <i>Cardiovascular Research</i> , <b>2002</b> , 56, 464-71      | 9.9 | 89  |