

Stephen B Wheatcroft

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

2,973
citations

186265

28
h-index

168389

53
g-index

62
all docs

62
docs citations

62
times ranked

4513
citing authors

#	ARTICLE	IF	CITATIONS
1	IGF-dependent and IGF-independent actions of IGF-binding protein-1 and -2: implications for metabolic homeostasis. <i>Trends in Endocrinology and Metabolism</i> , 2009, 20, 153-162.	7.1	237
2	Pathophysiological implications of insulin resistance on vascular endothelial function. <i>Diabetic Medicine</i> , 2003, 20, 255-268.	2.3	234
3	IGF-Binding Protein-2 Protects Against the Development of Obesity and Insulin Resistance. <i>Diabetes</i> , 2007, 56, 285-294.	0.6	231
4	Piezo1 channels sense whole body physical activity to reset cardiovascular homeostasis and enhance performance. <i>Nature Communications</i> , 2017, 8, 350.	12.8	197
5	Effect of Endothelium-Specific Insulin Resistance on Endothelial Function In Vivo. <i>Diabetes</i> , 2008, 57, 3307-3314.	0.6	154
6	Inducible Nitric Oxide Synthase Has Divergent Effects on Vascular and Metabolic Function in Obesity. <i>Diabetes</i> , 2005, 54, 1082-1089.	0.6	137
7	The insulin like growth factor and binding protein family: Novel therapeutic targets in obesity & diabetes. <i>Molecular Metabolism</i> , 2019, 19, 86-96.	6.5	123
8	Nox2 NADPH Oxidase Has a Critical Role in Insulin Resistance-Related Endothelial Cell Dysfunction. <i>Diabetes</i> , 2013, 62, 2130-2134.	0.6	117
9	Temporal trends in mortality of patients with diabetes mellitus suffering acute myocardial infarction: a comparison of over 3000 patients between 1995 and 2003. <i>European Heart Journal</i> , 2006, 28, 540-545.	2.2	102
10	Increasing Circulating IGFBP1 Levels Improves Insulin Sensitivity, Promotes Nitric Oxide Production, Lowers Blood Pressure, and Protects Against Atherosclerosis. <i>Diabetes</i> , 2012, 61, 915-924.	0.6	96
11	The Insulin-Like Growth Factor-1 Receptor Is a Negative Regulator of Nitric Oxide Bioavailability and Insulin Sensitivity in the Endothelium. <i>Diabetes</i> , 2011, 60, 2169-2178.	0.6	79
12	Accelerated endothelial dysfunction in mild prediabetic insulin resistance: the early role of reactive oxygen species. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E1311-E1319.	3.5	71
13	Effects of insulin resistance on endothelial progenitor cells and vascular repair. <i>Clinical Science</i> , 2009, 117, 173-190.	4.3	71
14	Direct oral anticoagulants compared to vitamin K antagonist for the management of left ventricular thrombus. <i>ESC Heart Failure</i> , 2020, 7, 2032-2041.	3.1	64
15	Preserved Glucoregulation but Attenuation of the Vascular Actions of Insulin in Mice Heterozygous for Knockout of the Insulin Receptor. <i>Diabetes</i> , 2004, 53, 2645-2652.	0.6	61
16	Human Exercise-Induced Circulating Progenitor Cell Mobilization Is Nitric Oxide-Dependent and Is Blunted in South Asian Men. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 878-884.	2.4	55
17	Novel Role of the IGF-1 Receptor in Endothelial Function and Repair. <i>Diabetes</i> , 2012, 61, 2359-2368.	0.6	54
18	Endothelium-specific insulin resistance leads to accelerated atherosclerosis in areas with disturbed flow patterns: A role for reactive oxygen species. <i>Atherosclerosis</i> , 2013, 230, 131-139.	0.8	54

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19	Insulin-Like Growth Factor Binding Protein 1 Could Improve Glucose Regulation and Insulin Sensitivity Through Its RGD Domain. <i>Diabetes</i> , 2017, 66, 287-299.	0.6	52
20	Insulin Resistance Impairs Circulating Angiogenic Progenitor Cell Function and Delays Endothelial Regeneration. <i>Diabetes</i> , 2011, 60, 1295-1303.	0.6	50
21	Vascular Insulin-Like Growth Factor-I Resistance and Diet-Induced Obesity. <i>Endocrinology</i> , 2009, 150, 4575-4582.	2.8	47
22	The impact of insulin resistance on endothelial function, progenitor cells and repair. <i>Diabetes and Vascular Disease Research</i> , 2007, 4, 103-111.	2.0	45
23	Vascular endothelial growth factors: multitasking functionality in metabolism, health and disease. <i>Journal of Inherited Metabolic Disease</i> , 2015, 38, 753-763.	3.6	44
24	VEGF-A isoforms program differential VEGFR2 signal transduction, trafficking and proteolysis. <i>Biology Open</i> , 2016, 5, 571-583.	1.2	43
25	Insulin-like growth factor binding proteins and angiogenesis: from cancer to cardiovascular disease. <i>Cytokine and Growth Factor Reviews</i> , 2019, 46, 28-35.	7.2	41
26	VEGF-A isoforms differentially regulate ATF-2-dependent VCAM-1 gene expression and endothelial-leukocyte interactions. <i>Molecular Biology of the Cell</i> , 2014, 25, 2509-2521.	2.1	35
27	Vascular Endothelial Function and Blood Pressure Homeostasis in Mice Overexpressing IGF Binding Protein-1. <i>Diabetes</i> , 2003, 52, 2075-2082.	0.6	33
28	Selective Enhancement of Insulin Sensitivity in the Endothelium In Vivo Reveals a Novel Proatherosclerotic Signaling Loop. <i>Circulation Research</i> , 2017, 120, 784-798.	4.5	33
29	<sc>VEGFR2</sc> Trafficking, Signaling and Proteolysis is Regulated by the Ubiquitin Isopeptidase <sc>USP8</sc>. <i>Traffic</i> , 2016, 17, 53-65.	2.7	29
30	Endothelial IGF-1 Receptor Signalling in Diabetes and Insulin Resistance. <i>Trends in Endocrinology and Metabolism</i> , 2016, 27, 96-104.	7.1	29
31	VEGF-A isoform-specific regulation of calcium ion flux, transcriptional activation and endothelial cell migration. <i>Biology Open</i> , 2015, 4, 731-742.	1.2	23
32	Endothelial SHIP2 Suppresses Nox2 NADPH Oxidase-Dependent Vascular Oxidative Stress, Endothelial Dysfunction, and Systemic Insulin Resistance. <i>Diabetes</i> , 2017, 66, 2808-2821.	0.6	23
33	Clinical outcomes following primary percutaneous coronary intervention for ST-elevation myocardial infarction according to sex and race. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2019, 8, 264-272.	1.0	23
34	Insulin resistance in Type 2 diabetes and obesity: implications for endothelial function. <i>Expert Review of Cardiovascular Therapy</i> , 2011, 9, 403-407.	1.5	20
35	Endothelial Insulin Receptors Promote VEGF-A Signaling via ERK1/2 and Sprouting Angiogenesis. <i>Endocrinology</i> , 2021, 162, .	2.8	20
36	Restoring Akt1 Activity in Outgrowth Endothelial Cells From South Asian Men Rescues Vascular Reparative Potential. <i>Stem Cells</i> , 2014, 32, 2714-2723.	3.2	18

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37	Vascular Endothelial Growth Factor A-Stimulated Signaling from Endosomes in Primary Endothelial Cells. <i>Methods in Enzymology</i> , 2014, 535, 265-292.	1.0	17
38	Cell-specific insulin resistance: implications for atherosclerosis. <i>Diabetes/Metabolism Research and Reviews</i> , 2012, 28, 627-634.	4.0	16
39	Haploinsufficiency of the Insulin-Like Growth Factor-1 Receptor Enhances Endothelial Repair and Favorably Modifies Angiogenic Progenitor Cell Phenotype. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2051-2058.	2.4	16
40	Real-world comparison of clopidogrel, prasugrel and ticagrelor in patients undergoing primary percutaneous coronary intervention. <i>Open Heart</i> , 2019, 6, e000951.	2.3	16
41	Ubiquitination of basal VEGFR2 regulates signal transduction and endothelial function. <i>Biology Open</i> , 2017, 6, 1404-1415.	1.2	15
42	Assessing Coronary Blood Flow Physiology in the Cardiac Catheterisation Laboratory. <i>Current Cardiology Reviews</i> , 2017, 13, 232-243.	1.5	15
43	In Silico Design and Biological Evaluation of a Dual Specificity Kinase Inhibitor Targeting Cell Cycle Progression and Angiogenesis. <i>PLoS ONE</i> , 2014, 9, e110997.	2.5	12
44	Clinical and Preclinical Use of LOX-1-Specific Antibodies in Diagnostics and Therapeutics. <i>Journal of Cardiovascular Translational Research</i> , 2015, 8, 458-465.	2.4	12
45	Advantages of CEMiTool for gene co-expression analysis of RNA-seq data. <i>Computers in Biology and Medicine</i> , 2020, 125, 103975.	7.0	12
46	Clinical validation and evaluation of a novel six-lead handheld electrocardiogram recorder compared to the 12-lead electrocardiogram in unselected cardiology patients (EVALECG Cardio). <i>European Heart Journal Digital Health</i> , 2021, 2, 643-648.	1.7	12
47	Endothelial Insulin Receptor Restoration Rescues Vascular Function in Male Insulin Receptor Haploinsufficient Mice. <i>Endocrinology</i> , 2018, 159, 2917-2925.	2.8	11
48	Divergent effects of genetic and pharmacological inhibition of Nox2 NADPH oxidase on insulin resistance-related vascular damage. <i>American Journal of Physiology - Cell Physiology</i> , 2020, 319, C64-C74.	4.6	11
49	Insulinlike Growth Factor-binding Protein-1 Improves Vascular Endothelial Repair in Male Mice in the Setting of Insulin Resistance. <i>Endocrinology</i> , 2018, 159, 696-709.	2.8	10
50	Prescribing diabetes medication for cardiovascular risk reduction in patients admitted with acute coronary syndromes: a survey of cardiologists' attitudes and practice. <i>European Heart Journal - Cardiovascular Pharmacotherapy</i> , 2020, 6, 194-196.	3.0	10
51	Pericyte Insulin Receptors Modulate Retinal Vascular Remodeling and Endothelial Angiopietin Signaling. <i>Endocrinology</i> , 2021, 162, .	2.8	9
52	Endothelial IGF1 receptor mediates crosstalk with the gut wall to regulate microbiota in obesity. <i>EMBO Reports</i> , 2021, 22, e50767.	4.5	7
53	Novel Paracrine Action of Endothelium Enhances Glucose Uptake in Muscle and Fat. <i>Circulation Research</i> , 2021, 129, 720-734.	4.5	7
54	Tpl2 is required for VEGF-A-stimulated signal transduction and endothelial cell function. <i>Biology Open</i> , 2019, 8, .	1.2	5

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55	TRPC5 ion channel permeation promotes weight gain in hypercholesterolaemic mice. Scientific Reports, 2019, 9, 773.	3.3	5
56	IGFBP-1 in Cardiometabolic Pathophysiology—Insights From Loss-of-Function and Gain-of-Function Studies in Male Mice. Journal of the Endocrine Society, 2020, 4, bvz006.	0.2	4
57	Optimal medical therapy and percutaneous coronary intervention for stable angina: why patients should “be taking” and “keep taking” the tablets. Journal of Clinical Pharmacy and Therapeutics, 2014, 39, 331-333.		2
58	Preservation of vascular endothelial repair in mice with diet-induced obesity. Obesity Science and Practice, 2018, 4, 490-496.	1.9	2
59	Cixutumumab reveals a critical role for IGF-1 in adipose and hepatic tissue remodelling during the development of diet-induced obesity. Adipocyte, 2022, 11, 366-378.	2.8	2
60	Impact of TRPC channels on body weight (1057.9). FASEB Journal, 2014, 28, .	0.5	0