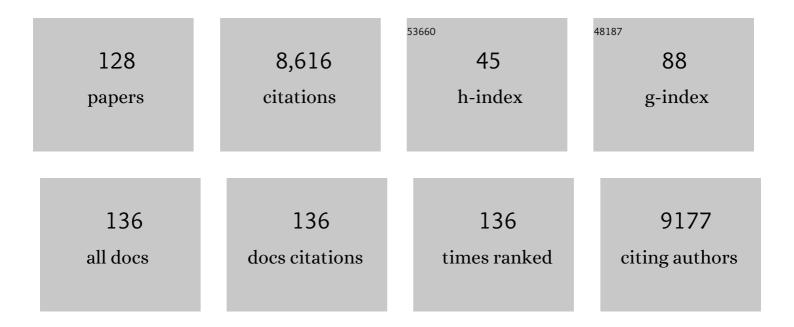
List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Plasma nitrite reflects constitutive nitric oxide synthase activity in mammals. Free Radical Biology and Medicine, 2003, 35, 790-796.	1.3	519
2	Red blood cells express a functional endothelial nitric oxide synthase. Blood, 2006, 107, 2943-2951.	0.6	490
3	Cardioprotective and prognostic effects of remote ischaemic preconditioning in patients undergoing coronary artery bypass surgery: a single-centre randomised, double-blind, controlled trial. Lancet, The, 2013, 382, 597-604.	6.3	403
4	Vascular Effects of Cocoa Rich in Flavan-3-ols. JAMA - Journal of the American Medical Association, 2003, 290, 1030-1031.	3.8	383
5	Coronary Microembolization. Circulation, 2009, 120, 1822-1836.	1.6	373
6	TNFα in atherosclerosis, myocardial ischemia/reperfusion and heart failure. , 2010, 127, 295-314.		371
7	Plasma nitrite concentrations reflect the degree of endothelial dysfunction in humans. Free Radical Biology and Medicine, 2006, 40, 295-302.	1.3	337
8	Acute Consumption of Flavanol-Rich Cocoa and the Reversal of Endothelial Dysfunction in Smokers. Journal of the American College of Cardiology, 2005, 46, 1276-1283.	1.2	317
9	Practical guidelines for rigor and reproducibility in preclinical and clinical studies on cardioprotection. Basic Research in Cardiology, 2018, 113, 39.	2.5	311
10	Sustained Benefits in Vascular Function Through Flavanol-Containing Cocoa in Medicated Diabetic Patients. Journal of the American College of Cardiology, 2008, 51, 2141-2149.	1.2	306
11	TNFα in myocardial ischemia/reperfusion, remodeling and heart failure. Heart Failure Reviews, 2011, 16, 49-69.	1.7	207
12	Evidence for in vivo transport of bioactive nitric oxide in human plasma. Journal of Clinical Investigation, 2002, 109, 1241-1248.	3.9	174
13	Plasma Nitrosothiols Contribute to the Systemic Vasodilator Effects of Intravenously Applied NO. Circulation Research, 2002, 91, 470-477.	2.0	162
14	Cardioprotection by remote ischemic conditioning and its signal transduction. Pflugers Archiv European Journal of Physiology, 2017, 469, 159-181.	1.3	151
15	The measurement of blood and plasma nitrite by chemiluminescence: Pitfalls and solutions. Free Radical Biology and Medicine, 2006, 41, 541-548.	1.3	145
16	Across-Species Transfer of Protection by Remote Ischemic Preconditioning With Species-Specific Myocardial Signal Transduction by Reperfusion Injury Salvage Kinase and Survival Activating Factor Enhancement Pathways. Circulation Research, 2015, 117, 279-288.	2.0	137
17	ESC Joint Working Groups on Cardiovascular Surgery and the Cellular Biology of the Heart Position Paper: Peri-operative myocardial injury and infarction in patients undergoing coronary artery bypass graft surgery. European Heart Journal, 2017, 38, 2392-2411.	1.0	118
18	Plasma Nitroso Compounds Are Decreased in Patients With Endothelial Dysfunction. Journal of the American College of Cardiology, 2006, 47, 573-579.	1.2	117

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19	Cocoa flavanols lower vascular arginase activity in human endothelial cells in vitro and in erythrocytes in vivo. Archives of Biochemistry and Biophysics, 2008, 476, 211-215.	1.4	113
20	Defects of High-Density Lipoproteins in Coronary Artery Disease Caused by Low Sphingosine-1-Phosphate Content. Journal of the American College of Cardiology, 2015, 66, 1470-1485.	1.2	105
21	Remote ischemic conditioning: from experimental observation to clinical application: report from the 8th Biennial Hatter Cardiovascular Institute Workshop. Basic Research in Cardiology, 2015, 110, 453.	2.5	103
22	Vasoconstrictor Potential of Coronary Aspirate From Patients Undergoing Stenting of Saphenous Vein Aortocoronary Bypass Grafts and Its Pharmacological Attenuation. Circulation Research, 2011, 108, 344-352.	2.0	100
23	Positive effects of nitric oxide on left ventricular function in humans. European Heart Journal, 2006, 27, 1699-1705.	1.0	96
24	Noncanonical thyroid hormone signaling mediates cardiometabolic effects in vivo. Proceedings of the United States of America, 2017, 114, E11323-E11332.	3.3	93
25	Griess method for nitrite measurement of aqueous and protein-containing samples. Methods in Enzymology, 2002, 359, 158-168.	0.4	91
26	Coâ€morbidities and coâ€medications as confounders of cardioprotection—Does it matter in the clinical setting?. British Journal of Pharmacology, 2020, 177, 5252-5269.	2.7	90
27	Recent methodological advances in the analysis of nitrite in the human circulation: Nitrite as a biochemical parameter of the l-arginine/NO pathway. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 851, 106-123.	1.2	88
28	Gene expression analysis of human red blood cells. International Journal of Medical Sciences, 2009, 6, 156-159.	1.1	88
29	Impact of atherosclerotic plaque composition on coronary microembolization during percutaneous coronary interventions. Basic Research in Cardiology, 2008, 103, 587-597.	2.5	86
30	RBC NOS: regulatory mechanisms and therapeutic aspects. Trends in Molecular Medicine, 2008, 14, 314-322.	3.5	86
31	Nitric oxide differentially regulates proliferation and mobilization of endothelial progenitor cells but not of hematopoietic stem cells. Thrombosis and Haemostasis, 2005, 94, 770-2.	1.8	84
32	Plasma nitrite reserve and endothelial function in the human forearm circulation. Free Radical Biology and Medicine, 2006, 41, 295-301.	1.3	77
33	Vago-Splenic Axis in Signal Transduction of Remote Ischemic Preconditioning in Pigs and Rats. Circulation Research, 2018, 123, 1152-1163.	2.0	77
34	The coronary circulation in cardioprotection: more than just one confounder. Cardiovascular Research, 2012, 94, 237-245.	1.8	72
35	Coronary microembolization and microvascular dysfunction. International Journal of Cardiology, 2018, 258, 17-23.	0.8	68
36	Extracellular signalling molecules in the ischaemic/reperfused heart – druggable and translatable for cardioprotection?. British Journal of Pharmacology, 2015, 172, 2010-2025.	2.7	63

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37	STAT3 as a common signal of ischemic conditioning: a lesson on "rigor and reproducibility―in preclinical studies on cardioprotection. Basic Research in Cardiology, 2018, 113, 3.	2.5	61
38	Pleiotropic, heart rateâ€independent cardioprotection by ivabradine. British Journal of Pharmacology, 2015, 172, 4380-4390.	2.7	60
39	Thiols enhance NO formation from nitrate photolysis. Free Radical Biology and Medicine, 2003, 35, 1551-1559.	1.3	56
40	Endothelial Function, Nitric Oxide, and Cocoa Flavanols. Journal of Cardiovascular Pharmacology, 2006, 47, S128-S135.	0.8	56
41	A fresh look at coronary microembolization. Nature Reviews Cardiology, 2022, 19, 265-280.	6.1	56
42	Kinetics and Signal Activation Properties of Circulating Factor(s) From HealthyÂVolunteers Undergoing RemoteÂIschemic Pre-Conditioning. JACC Basic To Translational Science, 2016, 1, 3-13.	1.9	53
43	Guidelines for in vivo mouse models of myocardial infarction. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H1056-H1073.	1.5	53
44	Humoral transfer and intramyocardial signal transduction of protection by remote ischemic perconditioning in pigs, rats, and mice. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H159-H172.	1.5	51
45	Reflection of Cardioprotection by Remote Ischemic Perconditioning in Attenuated ST-Segment Elevation During Ongoing Coronary Occlusion in Pigs. Circulation Research, 2018, 122, 1102-1108.	2.0	50
46	Reinforcing rigor and reproducibility expectations for use of sex and gender in cardiovascular research. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H819-H824.	1.5	49
47	No Evidence for Activated Autophagy in Left Ventricular Myocardium at Early Reperfusion with Protection by Remote Ischemic Preconditioning in Patients Undergoing Coronary Artery Bypass Grafting. PLoS ONE, 2014, 9, e96567.	1.1	49
48	Microdialysis-based analysis of interstitial NO in situ: NO synthase-independent NO formation during myocardial ischemiaâ~†. Cardiovascular Research, 2007, 74, 46-55.	1.8	47
49	Mitochondrial Telomerase Reverse Transcriptase Protects From Myocardial Ischemia/Reperfusion Injury by Improving Complex I Composition and Function. Circulation, 2021, 144, 1876-1890.	1.6	46
50	Confounders of Cardioprotection by Remote Ischemic Preconditioning in Patients Undergoing Coronary Artery Bypass Grafting. Cardiology, 2016, 133, 128-133.	0.6	45
51	Hyperlipidaemia and cardioprotection: Animal models for translational studies. British Journal of Pharmacology, 2020, 177, 5287-5311.	2.7	43
52	Impact of electrical defibrillation on infarct size and no-reflow in pigs subjected to myocardial ischemia-reperfusion without and with ischemic conditioning. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H871-H878.	1.5	38
53	Cardiomyocyte mitochondria as targets of humoral factors released by remote ischemic preconditioning. Archives of Medical Science, 2017, 2, 448-458.	0.4	38
54	Reductive Gas-Phase Chemiluminescence and Flow Injection Analysis for Measurement of the Nitric Oxide Pool in Biological Matrices. Methods in Enzymology, 2008, 441, 295-315.	0.4	35

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55	Myocardial infarction and coronary microvascular obstruction: an intimate, but complicated relationship. Basic Research in Cardiology, 2013, 108, 380.	2.5	35
56	lschemic preconditioning in pigs: a causal role for signal transducer and activator of transcription 3. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H478-H484.	1.5	35
57	Potential humoral mediators of remote ischemic preconditioning in patients undergoing surgical coronary revascularization. Scientific Reports, 2017, 7, 12660.	1.6	34
58	Remote ischaemic preconditioning increases serum extracellular vesicle concentrations with altered microâ€RNA signature in CABG patients. Acta Anaesthesiologica Scandinavica, 2019, 63, 483-492.	0.7	34
59	Mitochondrial and Contractile Function of Human Right Atrial Tissue in Response to Remote Ischemic Conditioning. Journal of the American Heart Association, 2018, 7, e009540.	1.6	33
60	Nitric oxide influences red blood cell velocity independently of changes in the vascular tone. Free Radical Research, 2011, 45, 653-661.	1.5	31
61	Lessons from human coronary aspirate. Journal of Molecular and Cellular Cardiology, 2012, 52, 890-896.	0.9	31
62	Nitroglycerin does not Interfere with Protection by Remote Ischemic Preconditioning in Patients with Surgical Coronary Revascularization under Isoflurane Anesthesia. Cardiovascular Drugs and Therapy, 2013, 27, 359-361.	1.3	30
63	New functional aspects of the L-arginine-nitric oxide metabolism within the circulating blood. Thrombosis and Haemostasis, 2007, 98, 970-974.	1.8	29
64	Influence of long-term treatment with glyceryl trinitrate on remote ischemic conditioning. American Journal of Physiology - Heart and Circulatory Physiology, 2018, 315, H150-H158.	1.5	29
65	Reperfused vs. nonreperfused myocardial infarction: when to use which model. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 321, H208-H213.	1.5	29
66	Indexes of NO Bioavailability in Human Blood. Physiology, 2002, 17, 251-255.	1.6	28
67	Characterization of the Non-Invasive Assessment of the Cutaneous Microcirculation by Laser Doppler Perfusion Scanner. Microcirculation, 2010, 17, no-no.	1.0	28
68	Aspirate from human stented native coronary arteries vs. saphenous vein grafts: more endothelin but less particulate debris. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 305, H1222-H1229.	1.5	28
69	Attenuation of ST-segment elevation after ischemic conditioning maneuvers reflects cardioprotection online. Basic Research in Cardiology, 2019, 114, 22.	2.5	28
70	microRNA expression and its potential role in cardioprotection by ischemic postconditioning in pigs. Pflugers Archiv European Journal of Physiology, 2014, 466, 1953-1961.	1.3	27
71	Coronary aspirate TNFα reflects saphenous vein bypass graft restenosis risk in diabetic patients. Cardiovascular Diabetology, 2013, 12, 12.	2.7	25
72	Heart rate reduction and longevity in mice. Basic Research in Cardiology, 2015, 110, 2.	2.5	25

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73	Flavanols and Cardiovascular Health: Effects on the circulating NO Pool in Humans. Journal of Cardiovascular Pharmacology, 2006, 47, S122-S127.	0.8	24
74	Sex is no determinant of cardioprotection by ischemic preconditioning in rats, but ischemic/reperfused tissue mass is for remote ischemic preconditioning. Physiological Reports, 2019, 7, e14146.	0.7	24
75	Extracellular vesicles isolated from patients undergoing remote ischemic preconditioning decrease hypoxia-evoked apoptosis of cardiomyoblasts after isoflurane but not propofol exposure. PLoS ONE, 2020, 15, e0228948.	1.1	24
76	Persistent Survival BenefitÂFrom Remote Ischemic Pre-Conditioning in Patients Undergoing Coronary Artery BypassÂSurgery. Journal of the American College of Cardiology, 2018, 71, 252-254.	1.2	23
77	Direct biochemical evidence for eNOS stimulation by bradykinin in the human forearm vasculature. Basic Research in Cardiology, 2003, 98, 84-89.	2.5	22
78	Saphenous vein aorto-coronary graft atherosclerosis in patients with chronic kidney disease: more plaque calcification and necrosis, but less vasoconstrictor potential. Basic Research in Cardiology, 2012, 107, 303.	2.5	19
79	Proteomics/phosphoproteomics of left ventricular biopsies from patients with surgical coronary revascularization and pigs with coronary occlusion/reperfusion: remote ischemic preconditioning. Scientific Reports, 2017, 7, 7629.	1.6	19
80	Characterization of vasomotor responses in different vascular territories of C57BL/6J mice. Experimental Biology and Medicine, 2013, 238, 1180-1191.	1.1	18
81	Cardioprotection by early metoprolol- attenuation of ischemic vs. reperfusion injury?. Basic Research in Cardiology, 2020, 115, 54.	2.5	18
82	No sex-related differences in infarct size, no-reflow, and protection by ischaemic pre-conditioning in Göttingen minipigs. Cardiovascular Research, 2023, 119, 561-570.	1.8	18
83	Cardioprotection Beyond Infarct Size Reduction. Circulation Research, 2019, 124, 679-680.	2.0	17
84	The l-arginine nitric oxide pathway: avenue for a multiple-level approach to assess vascular function. Biological Chemistry, 2006, 387, 1347-9.	1.2	16
85	Ivabradine: Cardioprotection By and Beyond Heart Rate Reduction. Drugs, 2016, 76, 733-740.	4.9	16
86	Release of Intracoronary Microparticles during Stent Implantation into Stable Atherosclerotic Lesions under Protection with an Aspiration Device. PLoS ONE, 2015, 10, e0124904.	1.1	16
87	Short-term effect of the HMG-CoA reductase inhibitor rosuvastatin on erythrocyte nitric oxide synthase activity. Vascular Health and Risk Management, 2007, 3, 1069-73.	1.0	16
88	Circulating NO Pool in Humans. Kidney and Blood Pressure Research, 2005, 28, 341-348.	0.9	15
89	Serial measurements of whole blood nitrite in an intensive care setting. Free Radical Biology and Medicine, 2008, 44, 1945-1950.	1.3	15
90	Acute vasomotor paralysis and potential downstream effects of paclitaxel from stents implanted for saphenous vein aorto-coronary bypass stenosis. Basic Research in Cardiology, 2011, 106, 681-689.	2.5	15

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91	No protection of heart, kidneys and brain by remote ischemic preconditioning before transfemoral transcatheter aortic valve implantation: Interim-analysis of a randomized single-blinded, placebo-controlled, single-center trial. International Journal of Cardiology, 2017, 231, 248-254.	0.8	15
92	Platelet-Mediated Transfer of Cardioprotection by Remote Ischemic Conditioning and Its Abrogation by Aspirin But Not by Ticagrelor. Cardiovascular Drugs and Therapy, 2023, 37, 865-876.	1.3	14
93	Cardioprotection by post-conditioning with exogenous triiodothyronine in isolated perfused rat hearts and isolated adult rat cardiomyocytes. Basic Research in Cardiology, 2021, 116, 27.	2.5	13
94	Translation, Translation, Translation. Circulation Research, 2018, 123, 931-933.	2.0	12
95	NO detection in biological samples: Differentiation of 14NO and 15NO using infrared laser spectroscopy. Nitric Oxide - Biology and Chemistry, 2008, 19, 50-56.	1.2	11
96	Aspirate from human stented saphenous vein grafts induces epicardial coronary vasoconstriction and impairs perfusion and left ventricular function in rat bioassay hearts with pharmacologically induced endothelial dysfunction. Physiological Reports, 2016, 4, e12874.	0.7	11
97	Is metoprolol more cardioprotective than other beta-blockers?. European Heart Journal, 2020, 41, 4441-4443.	1.0	11
98	Noncanonical Thyroid Hormone Receptor α Action Mediates Arterial Vasodilation. Endocrinology, 2021, 162, .	1.4	11
99	The platelet paradox of injury versus protection in myocardial infarction—has it been overlooked?. Basic Research in Cardiology, 2021, 116, 37.	2.5	11
100	Calcium antagonists in myocardial ischemia/reperfusion—update 2012. Wiener Medizinische Wochenschrift, 2012, 162, 302-310.	0.5	10
101	Impaired interaction between platelets and endothelial progenitor cells in diabetic patients. Basic Research in Cardiology, 2008, 103, 569-571.	2.5	8
102	Plasma from remotely conditioned pigs reduces infarct size when given before or after ischemia to isolated perfused rat hearts. Pflugers Archiv European Journal of Physiology, 2019, 471, 1371-1379.	1.3	7
103	Quantification and characterisation of released plaque material during bioresorbable vascular scaffold implantation into right coronary artery lesions by multimodality intracoronary imaging. EuroIntervention, 2016, 12, 1481-1489.	1.4	6
104	Influence of stent implantation on erythrocyte aggregation in human native coronary arteries and saphenous vein grafts. Microcirculation, 2016, 23, 637-645.	1.0	5
105	Is there an effect of ischemic conditioning on myocardial contractile function following acute myocardial ischemia/reperfusion injury?. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 822-830.	1.8	5
106	Bioassays of Humoral Cardioprotective Factors Released by Remote Ischemic Conditioning in Patients Undergoing Coronary Artery Bypass Surgery. Journal of Cardiovascular Pharmacology and Therapeutics, 2022, 27, 107424842210972.	1.0	5
107	Is there a need for distal protection during native vessel percutaneous coronary intervention in patients with stable coronary artery disease?. Journal of Cardiovascular Medicine, 2014, 15, 170-172.	0.6	4
108	We are the change we seek. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H1411-H1414.	1.5	4

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109	Triiodothyronine improves contractile recovery of human atrial trabeculae after hypoxia/reoxygenation. International Journal of Cardiology, 2022, 363, 159-162.	0.8	4
110	Fingerprints of periprocedural coronary microembolization on multimodality intravascular imaging. Herz, 2014, 39, 115-118.	0.4	3
111	Impaired mitochondrial complex IV respiration in peripheral blood mononuclear cells discriminates acute-on-chronic liver failure from acute decompensation. Journal of Hepatology, 2022, 77, 874-876.	1.8	3
112	Comparison of the simple red blood cell adhesiveness/aggregation test with the laser-assisted optical rotational cell analyzer: Red blood cell aggregation in patients with coronary artery disease and a healthy control group. Clinical Hemorheology and Microcirculation, 2017, 65, 363-371.	0.9	2
113	Coronary Microembolization and Microvascular Dysfunction *. , 2018, , 83-96.		2
114	Larger infarct size but equal protection by ischemic conditioning in septum and anterior free wall of pigs with LAD occlusion. Physiological Reports, 2019, 7, e14236.	0.7	2
115	Cocoa flavanols lower arginase activity in human endothelial cells in vitro. , 0, 2007, .		1
116	Protection of Mouse Cardiomyocytes by Plasmaâ€Đialysate from Volunteers Undergoing Remote Ischemic Conditioning Through STAT3 Signaling. FASEB Journal, 2021, 35, .	0.2	0
117	Platelets Serve as Circulating Mediators of Cardioprotection by Remote Ischemic Conditioning in Healthy Volunteers. FASEB Journal, 2021, 35, .	0.2	0
118	The Nonâ€Neuronal Cholinergic System is Causal for Cardioprotection by Hypoxic Preconditioning in Isolated Adult Rat Cardiomyocytes. FASEB Journal, 2021, 35, .	0.2	0
119	Endothelial Progenitor Cells and Nitric Oxide: Matching Partners in Biomedicine. , 2011, , 213-245.		0
120	Stronger vasoconstrictor response to aspirate from patients undergoing stent implantation into native coronary arteries than into saphenous vein grafts. FASEB Journal, 2012, 26, lb633.	0.2	0
121	Evidence for pleiotropic cardioprotection by the bradycardic agent ivabradine. FASEB Journal, 2013, 27, 1130.5.	0.2	0
122	Mitochondria are a target of cardioprotection by ivabradine. FASEB Journal, 2015, 29, 954.6.	0.2	0
123	Heart Rate Reduction and Longevity in Mice. FASEB Journal, 2015, 29, 954.4.	0.2	0
124	Improvement of mitochondrial function in human atrial tissue by remote ischemic conditioning. FASEB Journal, 2018, 32, 580.1.	0.2	0
125	Abstract 477: Platelet microRNAs Crosstalk with Vascular Endothelial Cells in Diabetes. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, .	1.1	0
126	Attenuation of STâ€segment elevation reflects infarct size reduction by ischemic conditioning in pigs. FASEB Journal, 2019, 33, 833,2.	0.2	0

#	Article	IF	CITATIONS
127	Activation of a nonâ€neuronal cholinergic system in rat cardiomyocytes by cardioprotective humoral factors from pigs with remote ischemic conditioning. FASEB Journal, 2020, 34, 1-1.	0.2	Ο

128 Nitric Oxide in the Vascular System: Meet a Challenge. , 2008, , 451-468.

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