Tomasz Guzik

List of Publications by Citations

209 papers	16,628 citations	62 h-index	127 g-index
267 ext. papers	19,924 ext. citations	7.9 avg, IF	6.83 L-index

#	Paper	IF	Citations
209	Role of the T cell in the genesis of angiotensin II induced hypertension and vascular dysfunction. *Journal of Experimental Medicine*, **2007**, 204, 2449-60	16.6	1218
208	ESC Guidelines on the diagnosis and treatment of peripheral artery diseases: Document covering atherosclerotic disease of extracranial carotid and vertebral, mesenteric, renal, upper and lower extremity arteries: the Task Force on the Diagnosis and Treatment of Peripheral Artery Diseases of the European Society of Cardiology (ESC). *European Heart Journal*, **2011**, 32, 2851-906	9.5	1126
207	Mechanisms of increased vascular superoxide production in human diabetes mellitus: role of NAD(P)H oxidase and endothelial nitric oxide synthase. *Circulation*, **2002**, 105, 1656-62	16.7	824
206	COVID-19 and the cardiovascular system: implications for risk assessment, diagnosis, and treatment options. *Cardiovascular Research*, **2020**, 116, 1666-1687	9.9	714
205	Nitric oxide and superoxide in inflammation and immune regulation. *Journal of Physiology and Pharmacology*, **2003**, 54, 469-87	2.1	656
204	Inflammation, immunity, and hypertension. *Hypertension*, **2011**, 57, 132-40	8.5	565
203	Regulation of T-cell function by endogenously produced angiotensin II. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2009**, 296, R208-16	3.2	517
202	Interleukin 17 promotes angiotensin II-induced hypertension and vascular dysfunction. *Hypertension*, **2010**, 55, 500-7	8.5	510
201	Diabetes, Hypertension, and Cardiovascular Disease: Clinical Insights and Vascular Mechanisms. *Canadian Journal of Cardiology*, **2018**, 34, 575-584	3.8	435
200	Vascular superoxide production by NAD(P)H oxidase: association with endothelial dysfunction and clinical risk factors. *Circulation Research*, **2000**, 86, E85-90	15.7	366
199	NADPH oxidases in vascular pathology. *Antioxidants and Redox Signaling*, **2014**, 20, 2794-814	8.4	310
198	A myocardial Nox2 containing NAD(P)H oxidase contributes to oxidative stress in human atrial fibrillation. *Circulation Research*, **2005**, 97, 629-36	15.7	300
197	DC isoketal-modified proteins activate T cells and promote hypertension. *Journal of Clinical Investigation*, **2014**, 124, 4642-56	15.9	277
196	Oxidative Stress, Inflammation, and Vascular Aging in Hypertension. *Hypertension*, **2017**, 70, 660-667	8.5	270
195	Shear stress insensitivity of endothelial nitric oxide synthase expression as a genetic risk factor for coronary heart disease. *Circulation Research*, **2004**, 95, 841-7	15.7	265
194	Adipocytokines - novel link between inflammation and vascular function?. *Journal of Physiology and Pharmacology*, **2006**, 57, 505-28	2.1	254
193	Tetrahydrobiopterin-dependent preservation of nitric oxide-mediated endothelial function in diabetes by targeted transgenic GTP-cyclohydrolase I overexpression. *Journal of Clinical Investigation*, **2003**, 112, 725-35	15.9	245

192	Central and peripheral mechanisms of T-lymphocyte activation and vascular inflammation produced by angiotensin II-induced hypertension. *Circulation Research*, **2010**, 107, 263-70	15.7	243
191	Coronary artery superoxide production and nox isoform expression in human coronary artery disease. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2006**, 26, 333-9	9.4	220
190	Calcium-dependent NOX5 nicotinamide adenine dinucleotide phosphate oxidase contributes to vascular oxidative stress in human coronary artery disease. *Journal of the American College of Cardiology*, **2008**, 52, 1803-9	15.1	209
189	Rivaroxaban with or without aspirin in patients with stable coronary artery disease: an international, randomised, double-blind, placebo-controlled trial. *Lancet, The*, **2018**, 391, 205-218	40	204
188	Functional effect of the C242T polymorphism in the NAD(P)H oxidase p22phox gene on vascular superoxide production in atherosclerosis. *Circulation*, **2000**, 102, 1744-7	16.7	200
187	Hypertension, the renin-angiotensin system, and the risk of lower respiratory tract infections and lung injury: implications for COVID-19. *Cardiovascular Research*, **2020**, 116, 1688-1699	9.9	200
186	Nitric oxide modulates superoxide release and peroxynitrite formation in human blood vessels. *Hypertension*, **2002**, 39, 1088-94	8.5	196
185	Inhibition and genetic ablation of the B7/CD28 T-cell costimulation axis prevents experimental hypertension. *Circulation*, **2010**, 122, 2529-37	16.7	189
184	The role of infiltrating immune cells in dysfunctional adipose tissue. *Cardiovascular Research*, **2017**, 113, 1009-1023	9.9	187
183	Endothelial dysfunction in COVID-19: a position paper of the ESC Working Group for Atherosclerosis and Vascular Biology, and the ESC Council of Basic Cardiovascular Science. *Cardiovascular Research*, **2020**, 116, 2177-2184	9.9	184
182	Vascular NADPH oxidases as drug targets for novel antioxidant strategies. *Drug Discovery Today*, **2006**, 11, 524-33	8.8	183
181	Perivascular adipose tissue inflammation in vascular disease. *British Journal of Pharmacology*, **2017**, 174, 3496-3513	8.6	171
180	Rapid, direct effects of statin treatment on arterial redox state and nitric oxide bioavailability in human atherosclerosis via tetrahydrobiopterin-mediated endothelial nitric oxide synthase coupling. *Circulation*, **2011**, 124, 335-45	16.7	163
179	Targeting NADPH oxidases in vascular pharmacology. *Vascular Pharmacology*, **2012**, 56, 216-31	5.9	162
178	Immune mechanisms of hypertension. *Nature Reviews Immunology*, **2019**, 19, 517-532	36.5	146
177	Induction of hypertension and peripheral inflammation by reduction of extracellular superoxide dismutase in the central nervous system. *Hypertension*, **2010**, 55, 277-83, 6p following 283	8.5	137
176	Obligatory Role for B Cells in the Development of Angiotensin II-Dependent Hypertension. *Hypertension*, **2015**, 66, 1023-33	8.5	134
175	Role of chemokine RANTES in the regulation of perivascular inflammation, T-cell accumulation, and vascular dysfunction in hypertension. *FASEB Journal*, **2016**, 30, 1987-99	0.9	133

174	Novel methodologies for biomarker discovery in atherosclerosis. *European Heart Journal*, **2015**, 36, 2635-42	9.5	133
173	Activation of Human T Cells in Hypertension: Studies of Humanized Mice and Hypertensive Humans. *Hypertension*, **2016**, 68, 123-32	8.5	126
172	Smooth muscle cells in human atherosclerotic plaques express the fractalkine receptor CX3CR1 and undergo chemotaxis to the CX3C chemokine fractalkine (CX3CL1). *Circulation*, **2003**, 108, 2498-504	16.7	125
171	Systemic regulation of vascular NAD(P)H oxidase activity and nox isoform expression in human arteries and veins. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2004**, 24, 1614-20	9.4	104
170	Perivascular adipose tissue as a messenger of the brain-vessel axis: role in vascular inflammation and dysfunction. *Journal of Physiology and Pharmacology*, **2007**, 58, 591-610	2.1	102
169	Rationale, Design and Baseline Characteristics of Participants in the Cardiovascular Outcomes for People Using Anticoagulation Strategies (COMPASS) Trial. *Canadian Journal of Cardiology*, **2017**, 33, 1027-1035	3.8	97
168	Persistent skin colonization with Staphylococcus aureus in atopic dermatitis: relationship to clinical and immunological parameters. *Clinical and Experimental Allergy*, **2005**, 35, 448-55	4.1	97
167	Mechanisms of superoxide production in human blood vessels: relationship to endothelial dysfunction, clinical and genetic risk factors. *Journal of Physiology and Pharmacology*, **2002**, 53, 515-24	2.1	96
166	Loss of extracellular superoxide dismutase leads to acute lung damage in the presence of ambient air: a potential mechanism underlying adult respiratory distress syndrome. *American Journal of Pathology*, **2008**, 173, 915-26	5.8	93
165	Oxidative stress and hypertension. *Journal of the American Society of Hypertension*, **2007**, 1, 30-44		90
164	Periodontitis is associated with hypertension: a systematic review and meta-analysis. *Cardiovascular Research*, **2020**, 116, 28-39	9.9	89
163	Role and analysis of monocyte subsets in cardiovascular disease. Joint consensus document of the European Society of Cardiology (ESC) Working Groups "Atherosclerosis & Vascular Biology" and "Thrombosis". *Thrombosis and Haemostasis*, **2016**, 116, 626-37	7	86
162	M2 macrophage accumulation in the aortic wall during angiotensin II infusion in mice is associated with fibrosis, elastin loss, and elevated blood pressure. *American Journal of Physiology - Heart and Circulatory Physiology*, **2015**, 309, H906-17	5.2	83
161	Mechanisms of oxidative stress in human aortic aneurysms--association with clinical risk factors for atherosclerosis and disease severity. *International Journal of Cardiology*, **2013**, 168, 2389-96	3.2	81
160	Nitric oxide synthase (nNOS) gene transfer modifies venous bypass graft remodeling: effects on vascular smooth muscle cell differentiation and superoxide production. *Circulation*, **2001**, 104, 1526-32	16.7	80
159	Inhibition of five lipoxygenase activating protein (FLAP) by MK-886 decreases atherosclerosis in apoE/LDLR-double knockout mice. *European Journal of Clinical Investigation*, **2006**, 36, 141-6	4.6	78
158	Causal association between periodontitis and hypertension: evidence from Mendelian randomization and a randomized controlled trial of non-surgical periodontal therapy. *European Heart Journal*, **2019**, 40, 3459-3470	9.5	77
157	Immune cells as targets for cardioprotection: new players and novel therapeutic opportunities. *Cardiovascular Research*, **2019**, 115, 1117-1130	9.9	77

156	Role of the multidrug resistance protein-1 in hypertension and vascular dysfunction caused by angiotensin II. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2007**, 27, 762-8	9.4	74
155	GCH1 haplotype determines vascular and plasma biopterin availability in coronary artery disease effects on vascular superoxide production and endothelial function. *Journal of the American College of Cardiology*, **2008**, 52, 158-65	15.1	73
154	Enhanced superoxide production in experimental venous bypass graft intimal hyperplasia: role of NAD(P)H oxidase. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2001**, 21, 189-94	9.4	72
153	Hypertension and increased endothelial mechanical stretch promote monocyte differentiation and activation: roles of STAT3, interleukin 6 and hydrogen peroxide. *Cardiovascular Research*, **2018**, 114, 1547-1563	9.9	70
152	Prolactin--not only lactotrophin. A "new" view of the "old" hormone. *Journal of Physiology and Pharmacology*, **2012**, 63, 435-43	2.1	69
151	Oxidative stress and inflammatory markers in prediabetes and diabetes. *Journal of Physiology and Pharmacology*, **2019**, 70,	2.1	68
150	Anti-atherosclerotic effect of the angiotensin 1-7 mimetic AVE0991 is mediated by inhibition of perivascular and plaque inflammation in early atherosclerosis. *British Journal of Pharmacology*, **2017**, 174, 4055-4069	8.6	64
149	Is hypertension an immunologic disease?. *Current Cardiology Reports*, **2008**, 10, 464-9	4.2	64
148	Hypertension: Focus on autoimmunity and oxidative stress. *Free Radical Biology and Medicine*, **2018**, 125, 104-115	7.8	62
147	Ghrelin inhibits vascular superoxide production in spontaneously hypertensive rats. *American Journal of Hypertension*, **2006**, 19, 764-7	2.3	61
146	Comparative efficacies and durations of action of phenoxybenzamine, verapamil/nitroglycerin solution, and papaverine as topical antispasmodics for radial artery coronary bypass grafting. *Journal of Thoracic and Cardiovascular Surgery*, **2003**, 126, 1798-805	1.5	61
145	Relationship between the G894T polymorphism (Glu298Asp variant) in endothelial nitric oxide synthase and nitric oxide-mediated endothelial function in human atherosclerosis. *American Journal of Medical Genetics Part A*, **2001**, 100, 130-7		59
144	White Blood Cells and Blood Pressure: A Mendelian Randomization Study. *Circulation*, **2020**, 141, 1307-1317	36.7	58
143	PoLA/CFPiP/PCS Guidelines for the Management of Dyslipidaemias for Family Physicians 2016. *Archives of Medical Science*, **2017**, 13, 1-45	2.9	56
142	Endothelial function in cardiovascular medicine: a consensus paper of the European Society of Cardiology Working Groups on Atherosclerosis and Vascular Biology, Aorta and Peripheral Vascular Diseases, Coronary Pathophysiology and Microcirculation, and Thrombosis. *Cardiovascular Research*, **2021**, 117, 29-42	9.9	53
141	Plasma asymmetric dimethylarginine (ADMA) is associated with retinopathy in type 2 diabetes. *Diabetes Care*, **2007**, 30, 2899-901	14.6	44
140	Epigenetics and Immunometabolism in Diabetes and Aging. *Antioxidants and Redox Signaling*, **2018**, 29, 257-274	8.4	43
139	Retinopathy in type 2 diabetes mellitus is associated with increased intima-media thickness and endothelial dysfunction. *European Journal of Clinical Investigation*, **2008**, 38, 925-30	4.6	42

138	Do we know enough about the immune pathogenesis of acute coronary syndromes to improve clinical practice?. *Thrombosis and Haemostasis*, **2012**, 108, 443-56	7	41
137	multiplex molecular imaging of vascular inflammation using surface-enhanced Raman spectroscopy. *Theranostics*, **2018**, 8, 6195-6209	12.1	40
136	Effects of novel plant antioxidants on platelet superoxide production and aggregation in atherosclerosis. *Journal of Physiology and Pharmacology*, **2006**, 57, 611-26	2.1	40
135	High Fat Diet Attenuates the Anticontractile Activity of Aortic PVAT via a Mechanism Involving AMPK and Reduced Adiponectin Secretion. *Frontiers in Physiology*, **2018**, 9, 51	4.6	39
134	CD14CD16 "nonclassical" monocytes are associated with endothelial dysfunction in patients with coronary artery disease. *Thrombosis and Haemostasis*, **2017**, 117, 971-980	7	39
133	Novel Immune Mechanisms in Hypertension and Cardiovascular Risk. *Current Cardiovascular Risk Reports*, **2017**, 11, 12	0.9	38
132	Effects of Interleukin-1 Inhibition on Blood Pressure, Incident Hypertension, and Residual Inflammatory Risk: A Secondary Analysis of CANTOS. *Hypertension*, **2020**, 75, 477-482	8.5	36
131	Minimally invasive saphenous vein harvesting: effects on endothelial and smooth muscle function. *Annals of Thoracic Surgery*, **2001**, 71, 1503-7	2.7	35
130	Chanzyme TRPM7 protects against cardiovascular inflammation and fibrosis. *Cardiovascular Research*, **2020**, 116, 721-735	9.9	35
129	Angiotensin-(1-7) receptor Mas agonist ameliorates progress of atherosclerosis in apoE-knockout mice. *Journal of Physiology and Pharmacology*, **2012**, 63, 77-85	2.1	34
128	Heterogeneity of peripheral blood monocytes, endothelial dysfunction and subclinical atherosclerosis in patients with systemic lupus erythematosus. *Lupus*, **2016**, 25, 18-27	2.6	33
127	Significance of sphingosine-1-phosphate in cardiovascular physiology and pathology. *Pharmacological Research*, **2020**, 156, 104793	10.2	33
126	Adaptive Immunity in Hypertension. *Current Hypertension Reports*, **2019**, 21, 68	4.7	33
125	Implications of oral Helicobacter pylori for the outcome of its gastric eradication therapy. *Journal of Clinical Gastroenterology*, **2007**, 41, 145-51	3	32
124	Measurement of vascular reactive oxygen species production by chemiluminescence. *Methods in Molecular Medicine*, **2005**, 108, 73-89		30
123	Endothelial function assessment in atherosclerosis: comparison of brachial artery flow-mediated vasodilation and peripheral arterial tonometry. *Polish Archives of Internal Medicine*, **2013**, 123, 443-52	1.9	30
122	Local inflammation is associated with aortic thrombus formation in abdominal aortic aneurysms. Relationship to clinical risk factors. *Thrombosis and Haemostasis*, **2012**, 108, 812-23	7	29
121	ESC guidance for the diagnosis and management of cardiovascular disease during the COVID-19 pandemic: part 2-care pathways, treatment, and follow-up. *European Heart Journal*, **2021**,	9.5	28

120	Vascular transcriptome profiling identifies Sphingosine kinase 1 as a modulator of angiotensin II-induced vascular dysfunction. *Scientific Reports*, **2017**, 7, 44131	4.9	27
119	Superoxide dismutase activity and expression in human venous and arterial bypass graft vessels. *Journal of Physiology and Pharmacology*, **2005**, 56, 313-23	2.1	27
118	Elevated markers of inflammation and endothelial activation and increased counts of intermediate monocytes in adult survivors of childhood acute lymphoblastic leukemia. *Immunobiology*, **2013**, 218, 810-6	3.4	26
117	Management of familial heterozygous hypercholesterolemia: Position Paper of the Polish Lipid Expert Forum. *Journal of Clinical Lipidology*, **2013**, 7, 217-21	4.9	25
116	T Cells Are Dominant Population in Human Abdominal Aortic Aneurysms and Their Infiltration in the Perivascular Tissue Correlates With Disease Severity. *Frontiers in Immunology*, **2019**, 10, 1979	8.4	24
115	T-Cell-Derived miRNA-214 Mediates Perivascular Fibrosis in Hypertension. *Circulation Research*, **2020**, 126, 988-1003	15.7	24
114	Inside the heart of COVID-19. *Cardiovascular Research*, **2020**, 116, e59-e61	9.9	24
113	Binding of SARS-CoV-2 and angiotensin-converting enzyme 2: clinical implications. *Cardiovascular Research*, **2020**, 116, e87-e89	9.9	23
112	Novel Therapeutic Approaches in Limiting Oxidative Stress and Inflammation. *Current Pharmaceutical Biotechnology*, **2012**, 13, 2456-2466	2.6	22
111	Hypertension and renin-angiotensin system blockers are not associated with expression of angiotensin-converting enzyme 2 (ACE2) in the kidney. *European Heart Journal*, **2020**, 41, 4580-4588	9.5	22
110	Th1-type immune responses to Porphyromonas gingivalis antigens exacerbate angiotensin II-dependent hypertension and vascular dysfunction. *British Journal of Pharmacology*, **2019**, 176, 1922-1931	8.6	22
109	Blood monocyte heterogeneity and markers of endothelial activation in ankylosing spondylitis. *Journal of Rheumatology*, **2014**, 41, 481-9	4.1	21
108	The aorta can act as a site of naïve CD4+ T-cell priming. *Cardiovascular Research*, **2020**, 116, 306-316	9.9	20
107	Chemokine RANTES is increased at early stages of coronary artery disease. *Journal of Physiology and Pharmacology*, **2016**, 67, 321-8	2.1	20
106	Why do some asthma patients respond poorly to glucocorticoid therapy?. *Pharmacological Research* , **2020**, 160, 105189	10.2	19
105	Role of Tumor Necrosis Factor-α and Natural Killer Cells in Uterine Artery Function and Pregnancy Outcome in the Stroke-Prone Spontaneously Hypertensive Rat. *Hypertension*, **2016**, 68, 1298-1307	8.5	19
104	Active gingival inflammation is linked to hypertension. *Journal of Hypertension*, **2020**, 38, 2018-2027	1.9	18
103	European Society of Cardiology guidance for the diagnosis and management of cardiovascular disease during the COVID-19 pandemic: part 1-epidemiology, pathophysiology, and diagnosis. *European Heart Journal*, **2021**,	9.5	18

102	The pathogenic role of coronary microvascular dysfunction in the setting of other cardiac or systemic conditions. *Cardiovascular Research*, **2020**, 116, 817-828	9.9	17
101	NO and PGI(2) in coronary endothelial dysfunction in transgenic mice with dilated cardiomyopathy. *Basic Research in Cardiology*, **2008**, 103, 417-30	11.8	17
100	Blood monocyte subsets and selected cardiovascular risk markers in rheumatoid arthritis of short duration in relation to disease activity. *BioMed Research International*, **2014**, 2014, 736853	3	16
99	A call to action for new global approaches to cardiovascular disease drug solutions. *European Heart Journal*, **2021**, 42, 1464-1475	9.5	16
98	Human Y Chromosome Exerts Pleiotropic Effects on Susceptibility to Atherosclerosis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2019**, 39, 2386-2401	9.4	15
97	Periodontitis and Hypertension: Is the Association Causal?. *High Blood Pressure and Cardiovascular Prevention*, **2020**, 27, 281-289	2.9	15
96	Markers of thrombogenesis and fibrinolysis and their relation to inflammation and endothelial activation in patients with idiopathic pulmonary arterial hypertension. *PLoS ONE*, **2013**, 8, e82628	3.7	15
95	Role of inflammatory chemokines in hypertension. *Pharmacology & Therapeutics*, **2021**, 223, 107799	13.9	14
94	1,2,3,4,6-Penta-O-galloyl-β-d-glucose modulates perivascular inflammation and prevents vascular dysfunction in angiotensin II-induced hypertension. *British Journal of Pharmacology*, **2019**, 176, 1951-1965	8.6	13
93	Denture-related stomatitis is associated with endothelial dysfunction. *BioMed Research International*, **2014**, 2014, 474016	3	13
92	UltraRapid communications : vascular superoxide production by NAD(P)H OxidaseAssociation with endothelial dysfunction and clinical risk factors. *Circulation Research*, **2000**, 86, 1008	15.7	13
91	Comorbidity burden and clinical characteristics of patients with difficult-to-control rheumatoid arthritis. *Clinical Rheumatology*, **2019**, 38, 2473-2481	3.9	12
90	A Novel Triple-Cell Two-Dimensional Model to Study Immune-Vascular Interplay in Atherosclerosis. *Frontiers in Immunology*, **2019**, 10, 849	8.4	12
89	Characterization of the impairment of the uptake of apoptotic polymorphonuclear cells by monocyte subpopulations in systemic lupus erythematosus. *Lupus*, **2014**, 23, 1358-69	2.6	12
88	Urinary leukotriene levels are increased during exacerbation of atopic eczema/dermatitis syndrome. Relation to clinical status. *Allergy: European Journal of Allergy and Clinical Immunology*, **2002**, 57, 732-6	9.3	12
87	Intima-media thickness and endothelial dysfunction in GCK and HNF1A-MODY patients. *European Journal of Endocrinology*, **2015**, 172, 277-83	6.5	10
86	GTP cyclohydrolase I gene polymorphisms are associated with endothelial dysfunction and oxidative stress in patients with type 2 diabetes mellitus. *PLoS ONE*, **2014**, 9, e108587	3.7	10
85	Microvascular dysfunction in ankylosing spondylitis is associated with disease activity and is improved by anti-TNF treatment. *Scientific Reports*, **2018**, 8, 13205	4.9	10

84	Skeletonized vs Pedicled Internal Mammary Artery Graft Harvesting in Coronary Artery Bypass Surgery: A Post Hoc Analysis From the COMPASS Trial. *JAMA Cardiology*, **2021**,	16.2	10
83	Cytokines at the Interplay Between Asthma and Atherosclerosis?. *Frontiers in Pharmacology*, **2020**, 11, 166	5.6	9
82	Mechanisms of increased vascular superoxide production in human varicose veins **2011**, 121, 279-86		9
81	Nox1/4 inhibition exacerbates age dependent perivascular inflammation and fibrosis in a model of spontaneous hypertension. *Pharmacological Research*, **2020**, 161, 105235	10.2	9
80	Mortality Benefit of Rivaroxaban Plus Aspirin in Patients With Chronic Coronary or Peripheral Artery Disease. *Journal of the American College of Cardiology*, **2021**, 78, 14-23	15.1	9
79	Thermographic imaging as alternative method in allergy diagnosis. *Journal of Thermal Analysis and Calorimetry*, **2017**, 127, 1163-1170	4.1	8
78	Macrophages come to mind as keys to cognitive decline. *Journal of Clinical Investigation*, **2016**, 126, 4393-4395	13.3	8
77	A Call to Action for New Global Approaches to Cardiovascular Disease Drug Solutions. *Circulation*, **2021**, 144, 159-169	16.7	8
76	Treatment of denture-related stomatitis improves endothelial function assessed by flow-mediated vascular dilation. *Archives of Medical Science*, **2017**, 13, 66-74	2.9	7
75	Mechanisms of increased vascular superoxide production in human varicose veins. *Polish Archives of Internal Medicine*, **2011**, 121, 279-286	1.9	7
74	Progress in cardiac research: from rebooting cardiac regeneration to a complete cell atlas of the heart. *Cardiovascular Research*, **2021**, 117, 2161-2174	9.9	7
73	Efficacy and safety of rivaroxaban plus aspirin in women and men with chronic coronary or peripheral artery disease. *Cardiovascular Research*, **2021**, 117, 942-949	9.9	7
72	Oleacein and Foam Cell Formation in Human Monocyte-Derived Macrophages: A Potential Strategy Against Early and Advanced Atherosclerotic Lesions. *Pharmaceuticals*, **2020**, 13,	5.2	6
71	Higher levels of circulating naïve CD8CD45RA cells are associated with lower extent of coronary atherosclerosis and vascular dysfunction. *International Journal of Cardiology*, **2018**, 259, 26-30	3.2	6
70	Periodontal therapy and treatment of hypertension-alternative to the pharmacological approach. A systematic review and meta-analysis. *Pharmacological Research*, **2021**, 166, 105511	10.2	6
69	Is systemic inflammation a missing link between periodontitis and hypertension? Results from two large population-based surveys. *Journal of Internal Medicine*, **2021**, 289, 532-546	10.8	6
68	Endothelial dysfunction is independent of inflammation and altered CCR7 T cell expression in patients with ankylosing spondylitis. *Clinical and Experimental Rheumatology*, **2017**, 35, 844-849	2.2	6
67	Systemic T Cells and Monocyte Characteristics in Patients with Denture Stomatitis. *Journal of Prosthodontics*, **2017**, 26, 19-28	3.9	5

66	Changes in exercise capacity and cardiac performance in a series of patients with Eisenmenger syndrome transitioned from selective to dual endothelin receptor antagonist. *Heart Lung and Circulation*, **2012**, 21, 671-8	1.8	5
65	How can the results of the COMPASS trial benefit patients with coronary or peripheral artery disease in Poland?. *Kardiologia Polska*, **2019**, 77, 661-669	0.9	5
64	High Leukocyte Count and Risk of Poor Outcome After Subarachnoid Hemorrhage: A Meta-Analysis. *World Neurosurgery*, **2020**, 135, e541-e547	2.1	5
63	Uncovering genetic mechanisms of hypertension through multi-omic analysis of the kidney. *Nature Genetics*, **2021**, 53, 630-637	36.3	5
62	Central role of c-Src in NOX5- mediated redox signaling in vascular smooth muscle cells in human hypertension. *Cardiovascular Research*, **2021**,	9.9	5
61	Low-grade chronic inflammation and immune alterations in childhood and adolescent cancer survivors: A contribution to accelerated aging?. *Cancer Medicine*, **2021**, 10, 1772-1782	4.8	5
60	Neuroimmune cardiovascular interfaces control atherosclerosis.. *Nature*, **2022**,	50.4	5
59	Natural killer cells in placentation and cancer: Implications for hypertension during pregnancy. *Placenta*, **2017**, 56, 59-64	3.4	4
58	The evolution of Cardiovascular Research Onlife: online and on demand. *Cardiovascular Research*, **2018**, 114, e9	9.9	4
57	Leaders in Cardiovascular Research: Stefanie Dimmeler. *Cardiovascular Research*, **2020**, 116, e202-e204	9.9	4
56	Malignant hypertension: new aspects of an old clinical entity. *Polish Archives of Internal Medicine*, **2015**, 126, 86-93	1.9	4
55	Pleiotropic actions of factor Xa inhibition in cardiovascular prevention: mechanistic insights and implications for anti-thrombotic treatment. *Cardiovascular Research*, **2021**, 117, 2030-2044	9.9	4
54	Thermographic assessment of skin prick tests in comparison with the routine evaluation methods. *Postepy Dermatologii I Alergologii*, **2016**, 33, 193-8	1.5	4
53	Involvement of CD8+ T cell subsets in early response to vascular injury in patients with peripheral artery disease in vivo. *Clinical Immunology*, **2018**, 194, 26-33	9	4
52	22-Year-old patient with malignant hypertension associated with primary aldosteronism. *Journal of Human Hypertension*, **2013**, 27, 138-40	2.6	3
51	Nitric oxide metabolite levels in children and adult patients with atopic eczema/dermatitis syndrome. *Allergy: European Journal of Allergy and Clinical Immunology*, **2002**, 57, 856	9.3	3
50	Animal models and animal-free innovations for cardiovascular research: current status and routes to be explored. Consensus document of the ESC working group on myocardial function and the ESC Working Group on Cellular Biology of the Heart.. *Cardiovascular Research*, **2022**,	9.9	3
49	European Society of Cardiology guidance for the diagnosis and management of cardiovascular disease during the COVID-19 pandemic: part 1-epidemiology, pathophysiology, and diagnosis. *Cardiovascular Research*, **2021**,	9.9	3

48	Systemic administration of glucocorticoids, cardiovascular complications and mortality in patients hospitalised with COVID-19, SARS, MERS or influenza: A systematic review and meta-analysis of randomised trials.. *Pharmacological Research*, **2021**, 176, 106053	10.2	3
47	Therapeutic targeting of inflammation in hypertension: from novel mechanisms to translational perspective. *Cardiovascular Research*, **2021**, 117, 2589-2609	9.9	3
46	Picking up the pace: another record high impact factor for Cardiovascular Research. *Cardiovascular Research*, **2020**, 116, e165-e168	9.9	3
45	Cardiovascular and Renal Risk Factors and Complications Associated With COVID-19. *CJC Open*, **2021**, 3, 1257-1272	2	3
44	Rivaroxaban Plus Aspirin in Obese and Overweight Patients With Vascular Disease in the COMPASS Trial. *Journal of the American College of Cardiology*, **2021**, 77, 511-525	15.1	3
43	IL-18 (Interleukin-18) Produced by Renal Tubular Epithelial Cells Promotes Renal Inflammation and Injury During Deoxycorticosterone/Salt-Induced Hypertension in Mice. *Hypertension*, **2021**, 78, 1296-1309	8.5	3
42	ESC guidance for the diagnosis and management of cardiovascular disease during the COVID-19 pandemic: part 2-care pathways, treatment, and follow-up. *Cardiovascular Research*, **2021**,	9.9	3
41	Case of Asymptomatic Carotid Artery Stenosis in a Hypertensive Patient. *Hypertension*, **2017**, 69, 985-991	8.5	2
40	Plan S: in Service or Disservice to Society?. *European Heart Journal*, **2019**, 40, 949-952	9.5	2
39	Cardiovascular Research at the frontier of biomedical science. *Cardiovascular Research*, **2020**, 116, e83-e86	9.9	2
38	Inflammatory aortic abdominal aneurysm - immunophenotypic characterization of inflammatory infiltrate. *Archives of Medical Science*, **2014**, 10, 1258-62	2.9	2
37	Echocardiography Predictors of Survival in Hypertensive Patients With Left Ventricular Hypertrophy. *American Journal of Hypertension*, **2021**, 34, 636-644	2.3	2
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21	Functional Implications of Reactive Oxygen Species (ROS) in Human Blood Vessels **2014**, 1155-1176		0
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13	Leaders in Cardiovascular Research: Thomas Lüscher. *Cardiovascular Research*, **2019**, 115, e125-e126	9.9	

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12	Leaders in Cardiovascular Research: Barbara Casadei. *Cardiovascular Research*, **2019**, 115, e17-e19	9.9
11	Leaders in Cardiovascular Research: Valentin Fuster. *Cardiovascular Research*, **2020**, 116, e62-e63	9.9
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9	Diagnostic and Therapeutic Targeting of Inflammation **2019**, 239-246	
8	Functional Studies of NADPH Oxidases in Human Vasculature **2010**, 149-167	
7	Leaders in Cardiovascular Research: Eric Olson. *Cardiovascular Research*, **2020**, 116, e54-e55	9.9
6	The swan song of dying cells. *Cardiovascular Research*, **2020**, 116, e90-e92	9.9
5	Leaders in Cardiovascular Research: Filippo Crea. *Cardiovascular Research*, **2020**, 116, e159-e161	9.9
4	Leaders in Cardiovascular Research: Stephan Achenbach. *Cardiovascular Research*, **2020**, 116, e143-e145	9.9
3	Reply: All Fat Is Not Created Equal: The Problem of Defining Obesity in the Elderly. *Journal of the American College of Cardiology*, **2021**, 77, 2757	15.1
2	Reply. *Journal of Hypertension*, **2021**, 39, 383	1.9
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