

Charalambos Antoniades

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.

230
papers

9,076
citations

52
h-index

86
g-index

269
ext. papers

11,282
ext. citations

6.7
avg, IF

6.32
L-index

#	Paper	IF	Citations
230	5-methyltetrahydrofolate rapidly improves endothelial function and decreases superoxide production in human vessels: effects on vascular tetrahydrobiopterin availability and endothelial nitric oxide synthase coupling. <i>Circulation</i> , 2006 , 114, 1193-201	16.7	293
229	Statins as anti-inflammatory agents in atherogenesis: molecular mechanisms and lessons from the recent clinical trials. <i>Current Pharmaceutical Design</i> , 2012 , 18, 1519-30	3.3	286
228	Detecting human coronary inflammation by imaging perivascular fat. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	285
227	The CD40/CD40 ligand system: linking inflammation with atherothrombosis. <i>Journal of the American College of Cardiology</i> , 2009 , 54, 669-77	15.1	261
226	Non-invasive detection of coronary inflammation using computed tomography and prediction of residual cardiovascular risk (the CRISP CT study): a post-hoc analysis of prospective outcome data. <i>Lancet, The</i> , 2018 , 392, 929-939	40	255
225	Interactions between vascular wall and perivascular adipose tissue reveal novel roles for adiponectin in the regulation of endothelial nitric oxide synthase function in human vessels. <i>Circulation</i> , 2013 , 127, 2209-21	16.7	197
224	Association of plasma asymmetrical dimethylarginine (ADMA) with elevated vascular superoxide production and endothelial nitric oxide synthase uncoupling: implications for endothelial function in human atherosclerosis. <i>European Heart Journal</i> , 2009 , 30, 1142-50	9.5	189
223	Homocysteine and coronary atherosclerosis: from folate fortification to the recent clinical trials. <i>European Heart Journal</i> , 2009 , 30, 6-15	9.5	166
222	Medium-term effects of SARS-CoV-2 infection on multiple vital organs, exercise capacity, cognition, quality of life and mental health, post-hospital discharge. <i>EClinicalMedicine</i> , 2021 , 31, 100683	11.3	164
221	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. <i>Circulation</i> , 2011 , 124, 335-45	16.7	163
220	Atrial sources of reactive oxygen species vary with the duration and substrate of atrial fibrillation: implications for the antiarrhythmic effect of statins. <i>Circulation</i> , 2011 , 124, 1107-17	16.7	153
219	Adiponectin as a link between type 2 diabetes and vascular NADPH oxidase activity in the human arterial wall: the regulatory role of perivascular adipose tissue. <i>Diabetes</i> , 2015 , 64, 2207-19	0.9	149
218	The role of adipose tissue in cardiovascular health and disease. <i>Nature Reviews Cardiology</i> , 2019 , 16, 83-99	14.8	149
217	Evaluating oxidative stress in human cardiovascular disease: methodological aspects and considerations. <i>Current Medicinal Chemistry</i> , 2012 , 19, 2504-20	4.3	146
216	A novel machine learning-derived radiotranscriptomic signature of perivascular fat improves cardiac risk prediction using coronary CT angiography. <i>European Heart Journal</i> , 2019 , 40, 3529-3543	9.5	127
215	Role of inflammation and oxidative stress in endothelial progenitor cell function and mobilization: therapeutic implications for cardiovascular diseases. <i>Atherosclerosis</i> , 2008 , 201, 236-47	3.1	125
214	Innate and adaptive inflammation as a therapeutic target in vascular disease: the emerging role of statins. <i>Journal of the American College of Cardiology</i> , 2014 , 63, 2491-2502	15.1	124

213	Altered plasma versus vascular biopterins in human atherosclerosis reveal relationships between endothelial nitric oxide synthase coupling, endothelial function, and inflammation. <i>Circulation</i> , 2007 , 116, 2851-9	16.7	117
212	Mechanisms, Consequences, and Prevention of Coronary Graft Failure. <i>Circulation</i> , 2017 , 136, 1749-1764	16.7	113
211	Systemic and vascular oxidation limits the efficacy of oral tetrahydrobiopterin treatment in patients with coronary artery disease. <i>Circulation</i> , 2012 , 125, 1356-66	16.7	113
210	MTHFR 677 C>T Polymorphism reveals functional importance for 5-methyltetrahydrofolate, not homocysteine, in regulation of vascular redox state and endothelial function in human atherosclerosis. <i>Circulation</i> , 2009 , 119, 2507-15	16.7	108
209	Ectopic and Visceral Fat Deposition in Lean and Obese Patients With Type 2 Diabetes. <i>Journal of the American College of Cardiology</i> , 2016 , 68, 53-63	15.1	105
208	Preoperative atorvastatin treatment in CABG patients rapidly improves vein graft redox state by inhibition of Rac1 and NADPH-oxidase activity. <i>Circulation</i> , 2010 , 122, S66-73	16.7	102
207	Pro-inflammatory cytokines in acute coronary syndromes: from bench to bedside. <i>Cytokine and Growth Factor Reviews</i> , 2006 , 17, 225-33	17.9	99
206	Global improvement of vascular function and redox state with low-dose folic acid: implications for folate therapy in patients with coronary artery disease. <i>Circulation</i> , 2007 , 115, 2262-70	16.7	98
205	Expert consensus document: Defining the major health modifiers causing atrial fibrillation: a roadmap to underpin personalized prevention and treatment. <i>Nature Reviews Cardiology</i> , 2016 , 13, 230-74.8	14.8	97
204	Wnt signaling in cardiovascular physiology. <i>Trends in Endocrinology and Metabolism</i> , 2012 , 23, 628-36	8.8	94
203	Mutual Regulation of Epicardial Adipose Tissue and Myocardial Redox State by PPAR- γ /Adiponectin Signalling. <i>Circulation Research</i> , 2016 , 118, 842-55	15.7	92
202	With the "universal definition," measurement of creatine kinase-myocardial band rather than troponin allows more accurate diagnosis of periprocedural necrosis and infarction after coronary intervention. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 653-61	15.1	88
201	Pathophysiology of atherosclerosis: the role of inflammation. <i>Current Pharmaceutical Design</i> , 2011 , 17, 4089-110	3.3	86
200	Statins as regulators of redox state in the vascular endothelium: beyond lipid lowering. <i>Antioxidants and Redox Signaling</i> , 2014 , 20, 1198-215	8.4	85
199	Effects of atorvastatin on reactive hyperemia and inflammatory process in patients with congestive heart failure. <i>Atherosclerosis</i> , 2005 , 178, 359-63	3.1	85
198	Oxidative stress, antioxidant vitamins, and atherosclerosis. From basic research to clinical practice. <i>Herz</i> , 2003 , 28, 628-38	2.6	82
197	Unravelling the adiponectin paradox: novel roles of adiponectin in the regulation of cardiovascular disease. <i>British Journal of Pharmacology</i> , 2017 , 174, 4007-4020	8.6	81
196	Diagnostic Accuracy of Cardiovascular Magnetic Resonance in Acute Myocarditis: A Systematic Review and Meta-Analysis. <i>JACC: Cardiovascular Imaging</i> , 2018 , 11, 1583-1590	8.4	78

195	L-arginine in cardiovascular disease: dream or reality?. <i>Vascular Medicine</i> , 2002 , 7, 203-11	3.3	75
194	The role of epicardial adipose tissue in cardiac biology: classic concepts and emerging roles. <i>Journal of Physiology</i> , 2017 , 595, 3907-3917	3.9	74
193	GCH1 haplotype determines vascular and plasma biopterin availability in coronary artery disease effects on vascular superoxide production and endothelial function. <i>Journal of the American College of Cardiology</i> , 2008 , 52, 158-65	15.1	73
192	Association of Biologic Therapy With Coronary Inflammation in Patients With Psoriasis as Assessed by Perivascular Fat Attenuation Index. <i>JAMA Cardiology</i> , 2019 , 4, 885-891	16.2	72
191	Myocardial redox state predicts in-hospital clinical outcome after cardiac surgery effects of short-term pre-operative statin treatment. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 60-70 ^{15.1}	15.1	72
190	Role of asymmetrical dimethylarginine in inflammation-induced endothelial dysfunction in human atherosclerosis. <i>Hypertension</i> , 2011 , 58, 93-8	8.5	72
189	From the BMI paradox to the obesity paradox: the obesity-mortality association in coronary heart disease. <i>Obesity Reviews</i> , 2016 , 17, 989-1000	10.6	70
188	Reciprocal effects of systemic inflammation and brain natriuretic peptide on adiponectin biosynthesis in adipose tissue of patients with ischemic heart disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014 , 34, 2151-9	9.4	69
187	Targeting redox signaling in the vascular wall: from basic science to clinical practice. <i>Current Pharmaceutical Design</i> , 2009 , 15, 329-42	3.3	68
186	The interplay between adipose tissue and the cardiovascular system: is fat always bad?. <i>Cardiovascular Research</i> , 2017 , 113, 999-1008	9.9	64
185	Endothelial function and proinflammatory cytokines in patients with ischemic heart disease and dilated cardiomyopathy. <i>International Journal of Cardiology</i> , 2004 , 94, 301-5	3.2	63
184	Effects of ramipril on endothelial function and the expression of proinflammatory cytokines and adhesion molecules in young normotensive subjects with successfully repaired coarctation of aorta: a randomized cross-over study. <i>Journal of the American College of Cardiology</i> , 2008 , 51, 742-9	15.1	62
183	Short-term treatment with L-arginine prevents the smoking-induced impairment of endothelial function and vascular elastic properties in young individuals. <i>International Journal of Cardiology</i> , 2008 , 126, 394-9	3.2	62
182	Genetic polymorphism on endothelial nitric oxide synthase affects endothelial activation and inflammatory response during the acute phase of myocardial infarction. <i>Journal of the American College of Cardiology</i> , 2005 , 46, 1101-9	15.1	59
181	Effects of combined administration of vitamins C and E on reactive hyperemia and inflammatory process in chronic smokers. <i>Atherosclerosis</i> , 2003 , 170, 261-7	3.1	55
180	Assessing inflammatory status in cardiovascular disease. <i>Heart</i> , 2007 , 93, 1001-7	5.1	54
179	Circulating endothelial progenitor cells as biomarkers for prediction of cardiovascular outcomes. <i>Current Medicinal Chemistry</i> , 2012 , 19, 2597-604	4.3	53
178	Effects of atorvastatin and vitamin C on forearm hyperaemic blood flow, asymmetrical dimethylarginine levels and the inflammatory process in patients with type 2 diabetes mellitus. <i>Heart</i> , 2007 , 93, 244-6	5.1	51

177	The role of endothelial progenitor cells in vascular repair after arterial injury and atherosclerotic plaque development. <i>Cardiovascular Therapeutics</i> , 2011 , 29, 125-39	3.3	49
176	Induction of vascular GTP-cyclohydrolase I and endogenous tetrahydrobiopterin synthesis protect against inflammation-induced endothelial dysfunction in human atherosclerosis. <i>Circulation</i> , 2011 , 124, 1860-70	16.7	49
175	Potential role of endothelial progenitor cells in the pathophysiology of heart failure: clinical implications and perspectives. <i>Atherosclerosis</i> , 2006 , 189, 247-54	3.1	49
174	Effects of antioxidant vitamins C and E on endothelial function and thrombosis/fibrinolysis system in smokers. <i>Thrombosis and Haemostasis</i> , 2003 , 89, 990-995	7	49
173	Translating the effects of statins: from redox regulation to suppression of vascular wall inflammation. <i>Thrombosis and Haemostasis</i> , 2012 , 108, 840-8	7	48
172	Inflammatory and thrombotic processes are associated with vascular dysfunction in children with familial hypercholesterolemia. <i>Atherosclerosis</i> , 2009 , 204, 532-7	3.1	47
171	Vitamin C affects thrombosis/ fibrinolysis system and reactive hyperemia in patients with type 2 diabetes and coronary artery disease. <i>Diabetes Care</i> , 2003 , 26, 2749-53	14.6	47
170	L-Arginine, the substrate for NO synthesis: an alternative treatment for premature atherosclerosis?. <i>International Journal of Cardiology</i> , 2007 , 116, 300-8	3.2	46
169	Fibrinogen and cardiovascular disease: genetics and biomarkers. <i>Blood Reviews</i> , 2011 , 25, 239-45	11.1	45
168	Oxidative stress and inflammatory process in patients with atrial fibrillation: the role of left atrium distension. <i>International Journal of Cardiology</i> , 2009 , 136, 258-62	3.2	45
167	Novel therapies targeting vascular endothelium. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2006 , 13, 411-21		45
166	Mechanisms of disease: L-arginine in coronary atherosclerosis--a clinical perspective. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2007 , 4, 274-83		43
165	Redox biomarkers in cardiovascular medicine. <i>European Heart Journal</i> , 2015 , 36, 1576-82, 1582a-b	9.5	42
164	The impact of oral L-arginine supplementation on acute smoking-induced endothelial injury and arterial performance. <i>American Journal of Hypertension</i> , 2009 , 22, 586-92	2.3	41
163	Effects of insulin dependence on inflammatory process, thrombotic mechanisms and endothelial function, in patients with type 2 diabetes mellitus and coronary atherosclerosis. <i>Clinical Cardiology</i> , 2007 , 30, 295-300	3.3	41
162	Perivascular adipose tissue and coronary atherosclerosis. <i>Heart</i> , 2018 , 104, 1654-1662	5.1	41
161	Imaging residual inflammatory cardiovascular risk. <i>European Heart Journal</i> , 2020 , 41, 748-758	9.5	40
160	Intercellular communication lessons in heart failure. <i>European Journal of Heart Failure</i> , 2015 , 17, 1091-1093	3.3	40

159	Early diagnosis of perioperative myocardial infarction after coronary bypass grafting: a study using biomarkers and cardiac magnetic resonance imaging. <i>Annals of Thoracic Surgery</i> , 2011 , 92, 2046-53	2.7	39
158	Common genetic polymorphisms and haplotypes of fibrinogen alpha, beta, and gamma chains affect fibrinogen levels and the response to proinflammatory stimulation in myocardial infarction survivors: the AIRGENE study. <i>Journal of the American College of Cardiology</i> , 2008 , 52, 941-52	15.1	39
157	Asymmetrical dimethylarginine regulates endothelial function in methionine-induced but not in chronic homocystinemia in humans: effect of oxidative stress and proinflammatory cytokines. <i>American Journal of Clinical Nutrition</i> , 2006 , 84, 781-8	7	39
156	Perivascular adipose tissue as a regulator of vascular disease pathogenesis: identifying novel therapeutic targets. <i>British Journal of Pharmacology</i> , 2017 , 174, 3411-3424	8.6	38
155	Nanomedicine for the prevention, treatment and imaging of atherosclerosis. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2012 , 8 Suppl 1, S59-68	6	38
154	Genetic polymorphisms of platelet glycoprotein Ia and the risk for premature myocardial infarction: effects on the release of sCD40L during the acute phase of premature myocardial infarction. <i>Journal of the American College of Cardiology</i> , 2006 , 47, 1959-66	15.1	37
153	Predictive value of telomere length on outcome following acute myocardial infarction: evidence for contrasting effects of vascular vs. blood oxidative stress. <i>European Heart Journal</i> , 2017 , 38, 3094-3104	9.5	36
152	New biochemical markers in acute coronary syndromes. <i>Current Medicinal Chemistry</i> , 2008 , 15, 1288-96	4.3	36
151	Antidepressive treatment as a modulator of inflammatory process in patients with heart failure: effects on proinflammatory cytokines and acute phase protein levels. <i>International Journal of Cardiology</i> , 2009 , 134, 238-43	3.2	34
150	Diabetes mellitus as a predictor for radial artery vasoreactivity in patients undergoing coronary artery bypass grafting. <i>Journal of the American College of Cardiology</i> , 2007 , 50, 1047-53	15.1	34
149	Adipose tissue-derived WNT5A regulates vascular redox signaling in obesity via USP17/RAC1-mediated activation of NADPH oxidases. <i>Science Translational Medicine</i> , 2019 , 11,	17.5	33
148	State-of-the-art review article. Atherosclerosis affecting fat: What can we learn by imaging perivascular adipose tissue?. <i>Journal of Cardiovascular Computed Tomography</i> , 2019 , 13, 288-296	2.8	33
147	Gene therapy targeting inflammation in atherosclerosis. <i>Current Pharmaceutical Design</i> , 2011 , 17, 4210-233	33	33
146	Off-Pump Coronary Artery Bypass Grafting: 30 Years of Debate. <i>Journal of the American Heart Association</i> , 2018 , 7, e009934	6	33
145	Rosuvastatin but not ezetimibe improves endothelial function in patients with heart failure, by mechanisms independent of lipid lowering. <i>International Journal of Cardiology</i> , 2010 , 142, 87-91	3.2	32
144	The impact of early administration of low-dose atorvastatin treatment on inflammatory process, in patients with unstable angina and low cholesterol level. <i>International Journal of Cardiology</i> , 2006 , 109, 48-52	3.2	32
143	Biomarkers of oxidative stress following continuous positive airway pressure withdrawal: data from two randomised trials. <i>European Respiratory Journal</i> , 2015 , 46, 1065-71	13.6	31
142	Nanomedicine for the prevention, treatment and imaging of atherosclerosis. <i>Maturitas</i> , 2012 , 73, 52-60	5	31

141	A link between inflammation and thrombosis in atherosclerotic cardiovascular diseases: Clinical and therapeutic implications. <i>Atherosclerosis</i> , 2020 , 309, 16-26	3.1	31
140	Coronary Computed Tomography Angiography From Clinical Uses to Emerging Technologies: JACC State-of-the-Art Review. <i>Journal of the American College of Cardiology</i> , 2020 , 76, 1226-1243	15.1	31
139	Role of depression in heart failure--choosing the right antidepressive treatment. <i>International Journal of Cardiology</i> , 2010 , 140, 12-8	3.2	30
138	Preventing treatment failures in coronary artery disease: what can we learn from the biology of in-stent restenosis, vein graft failure, and internal thoracic arteries?. <i>Cardiovascular Research</i> , 2020 , 116, 505-519	9.9	30
137	Acute effects of different types of oil consumption on endothelial function, oxidative stress status and vascular inflammation in healthy volunteers. <i>British Journal of Nutrition</i> , 2010 , 103, 43-9	3.6	29
136	From atherosclerosis to acute coronary syndromes: the role of soluble CD40 ligand. <i>Trends in Cardiovascular Medicine</i> , 2010 , 20, 153-64	6.9	29
135	Genetic polymorphisms G894T on the eNOS gene is associated with endothelial function and vWF levels in premature myocardial infarction survivors. <i>International Journal of Cardiology</i> , 2006 , 107, 95-100	3.2	29
134	Arterial Grafts for Coronary Bypass: A Critical Review After the Publication of ART and RADIAL. <i>Circulation</i> , 2019 , 140, 1273-1284	16.7	28
133	Evidence for association between endothelial nitric oxide synthase gene polymorphism (G894T) and inflammatory markers: the ATTICA study. <i>American Heart Journal</i> , 2004 , 148, 733-8	4.9	28
132	Therapeutic strategies targeting endothelial function in humans: clinical implications. <i>Current Vascular Pharmacology</i> , 2012 , 10, 77-93	3.3	27
131	Combined effects of atorvastatin and metformin on glucose-induced variations of inflammatory process in patients with diabetes mellitus. <i>International Journal of Cardiology</i> , 2011 , 149, 46-9	3.2	26
130	Endothelin-1 increases superoxide production in human coronary artery bypass grafts. <i>Life Sciences</i> , 2012 , 91, 723-8	6.8	25
129	Selective serotonin reuptake inhibitors modify the effect of beta-blockers on long-term survival of patients with end-stage heart failure and major depression. <i>Journal of Cardiac Failure</i> , 2008 , 14, 456-64	3.3	25
128	Combined effects of smoking and hypercholesterolemia on inflammatory process, thrombosis/fibrinolysis system, and forearm hyperemic response. <i>American Journal of Cardiology</i> , 2004 , 94, 1181-4	3	25
127	Homoarginine in the shadow of asymmetric dimethylarginine: from nitric oxide to cardiovascular disease. <i>Amino Acids</i> , 2015 , 47, 1741-50	3.5	24
126	A prospective study of external stenting of saphenous vein grafts to the right coronary artery: the VEST II study. <i>European Journal of Cardio-thoracic Surgery</i> , 2017 , 51, 952-958	3	23
125	Adiponectin as a regulator of vascular redox state: therapeutic implications. <i>Recent Patents on Cardiovascular Drug Discovery</i> , 2011 , 6, 78-88		23
124	Preoperative sCD40L levels predict risk of atrial fibrillation after off-pump coronary artery bypass graft surgery. <i>Circulation</i> , 2009 , 120, S170-6	16.7	23

123	Artificial intelligence in medical imaging: A radiomic guide to precision phenotyping of cardiovascular disease. <i>Cardiovascular Research</i> , 2020 , 116, 2040-2054	9.9	22
122	Genetic variability on adiponectin gene affects myocardial infarction risk: the role of endothelial dysfunction. <i>International Journal of Cardiology</i> , 2013 , 168, 326-30	3.2	22
121	Divergent anti-inflammatory effects of different oil acute consumption on healthy individuals. <i>European Journal of Clinical Nutrition</i> , 2011 , 65, 514-9	5.2	22
120	The oxidative stress menace to coronary vasculature: any place for antioxidants?. <i>Current Pharmaceutical Design</i> , 2009 , 15, 3078-90	3.3	21
119	Perivascular Fat Attenuation Index Stratifies Cardiac Risk Associated With High-Risk Plaques in the CRISP-CT Study. <i>Journal of the American College of Cardiology</i> , 2020 , 76, 755-757	15.1	21
118	Nanoparticles: a promising therapeutic approach in atherosclerosis. <i>Current Drug Delivery</i> , 2010 , 7, 303-132	3.2	20
117	Inflammatory Mechanisms in COVID-19 and Atherosclerosis: Current Pharmaceutical Perspectives. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	19
116	Cardiac Computed Tomography: Assessment of Coronary Inflammation and Other Plaque Features. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019 , 39, 2207-2219	9.4	18
115	Impact of 6 weeks of treatment with low-dose metformin and atorvastatin on glucose-induced changes of endothelial function in adults with newly diagnosed type 2 diabetes mellitus: A single-blind study. <i>Clinical Therapeutics</i> , 2010 , 32, 1720-8	3.5	18
114	Evidence that non-lipid cardiovascular risk factors are associated with high prevalence of coronary artery disease in patients with heterozygous familial hypercholesterolemia or familial combined hyperlipidemia. <i>International Journal of Cardiology</i> , 2007 , 121, 178-83	3.2	18
113	Immunometabolic Regulation of Vascular Redox State: The Role of Adipose Tissue. <i>Antioxidants and Redox Signaling</i> , 2018 , 29, 313-336	8.4	17
112	Statins and vein graft failure in coronary bypass surgery. <i>Current Opinion in Pharmacology</i> , 2012 , 12, 172-80	3.0	17
111	Platelet activation in atherogenesis associated with low-grade inflammation. <i>Inflammation and Allergy: Drug Targets</i> , 2010 , 9, 334-45		17
110	Fat-Secreted Ceramides Regulate Vascular Redox State and Influence Outcomes in Patients With Cardiovascular Disease. <i>Journal of the American College of Cardiology</i> , 2021 , 77, 2494-2513	15.1	17
109	Impaired Vascular Redox Signaling in the Vascular Complications of Obesity and Diabetes Mellitus. <i>Antioxidants and Redox Signaling</i> , 2019 , 30, 333-353	8.4	17
108	Combined effects of smoking and interleukin-6 and C-reactive protein genetic variants on endothelial function, inflammation, thrombosis and incidence of coronary artery disease. <i>International Journal of Cardiology</i> , 2014 , 176, 254-7	3.2	16
107	Novel therapeutic approaches targeting matrix metalloproteinases in cardiovascular disease. <i>Current Topics in Medicinal Chemistry</i> , 2012 , 12, 1214-21	3	16
106	Genetic polymorphism on type 2 receptor of angiotensin II, modifies cardiovascular risk and systemic inflammation in hypertensive males. <i>American Journal of Hypertension</i> , 2010 , 23, 237-42	2.3	16

105	Assessment of acute coronary syndromes: focus on novel biomarkers. <i>Current Medicinal Chemistry</i> , 2012 , 19, 2572-87	4.3	16
104	Intraoperative Vein Graft Preservation: What Is the Solution?. <i>Annals of Thoracic Surgery</i> , 2016 , 102, 1736-1746	15	
103	Relation of preoperative radial artery flow-mediated dilatation to nitric oxide bioavailability in radial artery grafts used in off-pump coronary artery bypass grafting. <i>American Journal of Cardiology</i> , 2009 , 103, 216-20	3	15
102	Development of a risk score for early saphenous vein graft failure: An individual patient data meta-analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 , 160, 116-127.e4	1.5	15
101	Novel therapeutic strategies targeting vascular redox in human atherosclerosis. <i>Recent Patents on Cardiovascular Drug Discovery</i> , 2009 , 4, 76-87		14
100	Matrix metalloproteinases in acute coronary syndromes: current perspectives. <i>Current Topics in Medicinal Chemistry</i> , 2012 , 12, 1192-205	3	14
99	Effects of canagliflozin on human myocardial redox signalling: clinical implications. <i>European Heart Journal</i> , 2021 ,	9.5	14
98	Flow Mediated Dilatation and Progression of Abdominal Aortic Aneurysms. <i>European Journal of Vascular and Endovascular Surgery</i> , 2017 , 53, 820-829	2.3	13
97	OCT characteristics of saphenous vein graft atherosclerosis. <i>JACC: Cardiovascular Imaging</i> , 2011 , 4, 807-814	9.4	13
96	Methionine-loading rapidly impairs endothelial function, by mechanisms independent of endothelin-1: evidence for an association of fasting total homocysteine with plasma endothelin-1 levels. <i>Journal of the American College of Nutrition</i> , 2008 , 27, 379-86	3.5	13
95	Statins and oxidative stress in the cardiovascular system. <i>Current Pharmaceutical Design</i> , 2017 ,	3.3	13
94	Methionine-induced homocysteinemia impairs endothelial function in hypertensives: the role of asymmetrical dimethylarginine and antioxidant vitamins. <i>American Journal of Hypertension</i> , 2011 , 24, 936-42	2.3	12
93	The activation of endothelin-1 pathway during methionine-induced homocysteinemia mediates endothelial dysfunction in hypertensive individuals. <i>Journal of Hypertension</i> , 2010 , 28, 925-30	1.9	12
92	Statins ameliorate atherosclerosis induced by inhibition of nitric oxide synthase: another novel vascular protective mechanism?. <i>International Journal of Cardiology</i> , 2008 , 123, 91-3	3.2	12
91	Vascular inflammation and metabolic activity in hematopoietic organs and liver in familial combined hyperlipidemia and heterozygous familial hypercholesterolemia. <i>Journal of Clinical Lipidology</i> , 2018 , 12, 33-43	4.9	11
90	Statins: pleiotropic regulators of cardiovascular redox state. <i>Antioxidants and Redox Signaling</i> , 2014 , 20, 1195-7	8.4	11
89	Combined effects of fibrinogen genetic variability on atherosclerosis in patients with or without stable angina pectoris: focus on the coagulation cascade and endothelial function. <i>International Journal of Cardiology</i> , 2013 , 168, 4602-7	3.2	11
88	The Derivation of Primary Human Epicardium-Derived Cells. <i>Current Protocols in Stem Cell Biology</i> , 2015 , 35, 2C.5.1-2C.5.12	2.8	11

87	The year in cardiovascular medicine 2020: digital health and innovation. <i>European Heart Journal</i> , 2021 , 42, 732-739	9.5	11
86	A novel workflow combining plaque imaging, plaque and plasma proteomics identifies biomarkers of human coronary atherosclerotic plaque disruption. <i>Clinical Proteomics</i> , 2017 , 14, 22	5	10
85	Exploring the Crosstalk between Adipose Tissue and the Cardiovascular System. <i>Korean Circulation Journal</i> , 2017 , 47, 670-685	2.2	10
84	Comparative effects of rosuvastatin and allopurinol on circulating levels of matrix metalloproteinases and tissue inhibitors of metalloproteinases in patients with chronic heart failure. <i>International Journal of Cardiology</i> , 2010 , 145, 438-43	3.2	10
83	Elevated circulating amyloid concentrations in obesity and diabetes promote vascular dysfunction. <i>Journal of Clinical Investigation</i> , 2020 , 130, 4104-4117	15.9	10
82	Matrix metalloproteinases in heart failure. <i>Current Topics in Medicinal Chemistry</i> , 2012 , 12, 1181-91	3	10
81	Prognostic implications of epicardial fat volume quantification in acute pericarditis. <i>European Journal of Clinical Investigation</i> , 2017 , 47, 129-136	4.6	9
80	Pre-operative inflammation and post-operative atrial fibrillation in coronary artery bypass surgery. <i>International Journal of Cardiology</i> , 2014 , 173, 327-8	3.2	9
79	Artifactual elevation of plasma sCD40L by residual platelets in patients with coronary artery disease. <i>International Journal of Cardiology</i> , 2013 , 168, 1648-50	3.2	9
78	Relationship between the pharmacokinetics of levosimendan and its effects on cardiovascular system. <i>Current Drug Metabolism</i> , 2009 , 10, 95-103	3.5	9
77	Nitric oxide in coronary artery disease: effects of antioxidants. <i>European Journal of Clinical Pharmacology</i> , 2006 , 62, 101-107	2.8	9
76	The Role of Epicardial Fat in Pericardial Diseases. <i>Current Cardiology Reports</i> , 2018 , 20, 40	4.2	8
75	Dipeptidyl peptidase IV inhibitors as novel regulators of vascular disease. <i>Vascular Pharmacology</i> , 2017 , 96-98, 1-4	5.9	8
74	ST segment "hump" during exercise testing and the risk of sudden cardiac death in patients with hypertrophic cardiomyopathy. <i>Annals of Noninvasive Electrocardiology</i> , 2009 , 14, 158-64	1.5	8
73	Functional cardiac orexin receptors: role of orexin-B/orexin 2 receptor in myocardial protection. <i>Clinical Science</i> , 2018 , 132, 2547-2564	6.5	8
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