Charalambos Antoniades

List of Publications by Year
in descending order

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265	13,198	22132	29127
papers	citations	59 h-index	104 g-index

269	269	269	15957
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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. Lancet, The, 2018, 392, 929-939.	6.3	589
2	Detecting human coronary inflammation by imaging perivascular fat. Science Translational Medicine, 2017, 9, .	5.8	562
3	Medium-term effects of SARS-CoV-2 infection on multiple vital organs, exercise capacity, cognition, quality of life and mental health, post-hospital discharge. EClinicalMedicine, 2021, 31, 100683.	3.2	435
4	Statins as Anti-Inflammatory Agents in Atherogenesis: Molecular Mechanisms and Lessons from the Recent Clinical Trials. Current Pharmaceutical Design, 2012, 18, 1519-1530.	0.9	349
5	5-Methyltetrahydrofolate Rapidly Improves Endothelial Function and Decreases Superoxide Production in Human Vessels. Circulation, 2006, 114, 1193-1201.	1.6	328
6	The CD40/CD40 Ligand System. Journal of the American College of Cardiology, 2009, 54, 669-677.	1.2	309
7	The role of adipose tissue in cardiovascular health and disease. Nature Reviews Cardiology, 2019, 16, 83-99.	6.1	288
8	A novel machine learning-derived radiotranscriptomic signature of perivascular fat improves cardiac risk prediction using coronary CT angiography. European Heart Journal, 2019, 40, 3529-3543.	1.0	268
9	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. Circulation, 2013, 127, 2209-2221.	1.6	266
10	Association of plasma asymmetrical dimethylarginine (ADMA) with elevated vascular superoxide production and endothelial nitric oxide synthase uncoupling: implications for endothelial function in human atherosclerosis. European Heart Journal, 2009, 30, 1142-1150.	1.0	226
11	Homocysteine and coronary atherosclerosis: from folate fortification to the recent clinical trials. European Heart Journal, 2008, 30, 6-15.	1.0	211
12	Mechanisms, Consequences, and Prevention of Coronary Graft Failure. Circulation, 2017, 136, 1749-1764.	1.6	211
13	Atrial Sources of Reactive Oxygen Species Vary With the Duration and Substrate of Atrial Fibrillation. Circulation, 2011, 124, 1107-1117.	1.6	197
14	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, 335-345.	1.6	191
15	Evaluating Oxidative Stress in Human Cardiovascular Disease: Methodological Aspects and Considerations. Current Medicinal Chemistry, 2012, 19, 2504-2520.	1.2	189
16	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. Diabetes, 2015, 64, 2207-2219.	0.3	187
17	Ectopic and Visceral Fat Deposition inÂLean and Obese Patients With TypeÂ2ÂDiabetes. Journal of the American College of Cardiology, 2016, 68, 53-63.	1.2	165
18	Innate and Adaptive Inflammation as a Therapeutic Target in Vascular Disease. Journal of the American College of Cardiology, 2014, 63, 2491-2502.	1.2	155

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19	Systemic and Vascular Oxidation Limits the Efficacy of Oral Tetrahydrobiopterin Treatment in Patients With Coronary Artery Disease. Circulation, 2012, 125, 1356-1366.	1.6	144
20	Role of inflammation and oxidative stress in endothelial progenitor cell function and mobilization: Therapeutic implications for cardiovascular diseases. Atherosclerosis, 2008, 201, 236-247.	0.4	140
21	Coronary Computed Tomography Angiography From Clinical Uses to Emerging Technologies. Journal of the American College of Cardiology, 2020, 76, 1226-1243.	1.2	140
22	Altered Plasma Versus Vascular Biopterins in Human Atherosclerosis Reveal Relationships Between Endothelial Nitric Oxide Synthase Coupling, Endothelial Function, and Inflammation. Circulation, 2007, 116, 2851-2859.	1.6	138
23	Diagnostic Accuracy of Cardiovascular Magnetic Resonance in Acute Myocarditis. JACC: Cardiovascular Imaging, 2018, 11, 1583-1590.	2.3	138
24	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. Circulation, 2009, 119, 2507-2515.	1.6	136
25	Mutual Regulation of Epicardial Adipose Tissue and Myocardial Redox State by PPAR-Î³/Adiponectin Signalling. Circulation Research, 2016, 118, 842-855.	2.0	132
26	Association of Biologic Therapy With Coronary Inflammation in Patients With Psoriasis as Assessed by Perivascular Fat Attenuation Index. JAMA Cardiology, 2019, 4, 885.	3.0	132
27	The role of epicardial adipose tissue in cardiac biology: classic concepts and emerging roles. Journal of Physiology, 2017, 595, 3907-3917.	1.3	126
28	Pro-inflammatory cytokines in acute coronary syndromes: From bench to bedside. Cytokine and Growth Factor Reviews, 2006, 17, 225-233.	3.2	123
29	Defining the major health modifiers causing atrial fibrillation: a roadmap to underpin personalized prevention and treatment. Nature Reviews Cardiology, 2016, 13, 230-237.	6.1	122
30	Preoperative Atorvastatin Treatment in CABG Patients Rapidly Improves Vein Graft Redox State by Inhibition of Rac1 and NADPH-Oxidase Activity. Circulation, 2010, 122, S66-73.	1.6	121
31	Global Improvement of Vascular Function and Redox State With Low-Dose Folic Acid. Circulation, 2007, 115, 2262-2270.	1.6	119
32	From the BMI paradox to the obesity paradox: the obesityâ€“mortality association in coronary heart disease. Obesity Reviews, 2016, 17, 989-1000.	3.1	119
33	With the â€œUniversal Definition,â€•Measurement of Creatine Kinase-Myocardial Band Rather Than Troponin Allows More Accurate Diagnosis of Periprocedural Necrosis and Infarction After Coronary Intervention. Journal of the American College of Cardiology, 2011, 57, 653-661.	1.2	114
34	Wnt signaling in cardiovascular physiology. Trends in Endocrinology and Metabolism, 2012, 23, 628-636.	3.1	110
35	Unravelling the adiponectin paradox: novel roles of adiponectin in the regulation of cardiovascular disease. British Journal of Pharmacology, 2017, 174, 4007-4020.	2.7	110
36	Statins as Regulators of Redox State in the Vascular Endothelium: Beyond Lipid Lowering. Antioxidants and Redox Signaling, 2014, 20, 1198-1215.	2.5	105

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37	The interplay between adipose tissue and the cardiovascular system: is fat always bad?. Cardiovascular Research, 2017, 113, 999-1008.	1.8	100
38	Myocardial Redox State Predicts In-Hospital Clinical Outcome After Cardiac Surgery. Journal of the American College of Cardiology, 2012, 59, 60-70.	1.2	99
39	Pathophysiology of Atherosclerosis: The Role of Inflammation. Current Pharmaceutical Design, 2011, 17, 4089-4110.	0.9	96
40	Reciprocal Effects of Systemic Inflammation and Brain Natriuretic Peptide on Adiponectin Biosynthesis in Adipose Tissue of Patients With Ischemic Heart Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2151-2159.	1.1	95
41	Oxidative Stress, Antioxidant Vitamins, and Atherosclerosis. Herz, 2003, 28, 628-638.	0.4	94
42	Effects of atorvastatin on reactive hyperemia and inflammatory process in patients with congestive heart failure. Atherosclerosis, 2005, 178, 359-363.	0.4	94
43	Imaging residual inflammatory cardiovascular risk. European Heart Journal, 2020, 41, 748-758.	1.0	86
44	L-Arginine in cardiovascular disease: dream or reality?. Vascular Medicine, 2002, 7, 203-211.	0.8	85
45	GCH1 Haplotype Determines Vascular and Plasma Biopterin Availability in Coronary Artery Disease. Journal of the American College of Cardiology, 2008, 52, 158-165.	1.2	83
46	Role of Asymmetrical Dimethylarginine in Inflammation-Induced Endothelial Dysfunction in Human Atherosclerosis. Hypertension, 2011, 58, 93-98.	1.3	83
47	A link between inflammation and thrombosis in atherosclerotic cardiovascular diseases: Clinical and therapeutic implications. Atherosclerosis, 2020, 309, 16-26.	0.4	77
48	Endothelial function and proinflammatory cytokines in patients with ischemic heart disease and dilated cardiomyopathy. International Journal of Cardiology, 2004, 94, 301-305.	0.8	74
49	Targeting Redox Signaling in the Vascular Wall: From Basic Science to Clinical Practice. Current Pharmaceutical Design, 2009, 15, 329-342.	0.9	73
50	Perivascular adipose tissue and coronary atherosclerosis. Heart, 2018, 104, 1654-1662.	1.2	72
51	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. Journal of the American College of Cardiology, 2008, 51, 742-749.	1.2	70
52	Short-term treatment with L-arginine prevents the smoking-induced impairment of endothelial function and vascular elastic properties in young individuals. International Journal of Cardiology, 2008, 126, 394-399.	0.8	70
53	State-of-the-art review article. Atherosclerosis affecting fat: What can we learn by imaging perivascular adipose tissue?. Journal of Cardiovascular Computed Tomography, 2019, 13, 288-296.	0.7	70
54	Genetic Polymorphism on Endothelial Nitric Oxide Synthase Affects Endothelial Activation and Inflammatory Response During the Acute Phase of Myocardial Infarction. Journal of the American College of Cardiology, 2005, 46, 1101-1109.	1.2	68

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55	Offâ€Pump Coronary Artery Bypass Grafting: 30ÂYears of Debate. Journal of the American Heart Association, 2018, 7, e009934.	1.6	67
56	Circulating Endothelial Progenitor Cells as Biomarkers for Prediction of Cardiovascular Outcomes. Current Medicinal Chemistry, 2012, 19, 2597-2604.	1.2	66
57	Effects of atorvastatin and vitamin C on forearm hyperaemic blood flow, asymmentrical dimethylarginine levels and the inflammatory process in patients with type 2 diabetes mellitus. Heart, 2005, 93, 244-246.	1.2	64
58	Fibrinogen and cardiovascular disease: Genetics and biomarkers. Blood Reviews, 2011, 25, 239-245.	2.8	64
59	Assessing inflammatory status in cardiovascular disease. Heart, 2007, 93, 1001-1007.	1.2	62
60	Vitamin C Affects Thrombosis/ Fibrinolysis System and Reactive Hyperemia in Patients With Type 2 Diabetes and Coronary Artery Disease. Diabetes Care, 2003, 26, 2749-2753.	4.3	61
61	Induction of Vascular GTP-Cyclohydrolase I and Endogenous Tetrahydrobiopterin Synthesis Protect Against Inflammation-Induced Endothelial Dysfunction in Human Atherosclerosis. Circulation, 2011, 124, 1860-1870.	1.6	61
62	Translating the effects of statins: From redox regulation to suppression of vascular wall inflammation. Thrombosis and Haemostasis, 2012, 108, 840-848.	1.8	61
63	Redox biomarkers in cardiovascular medicine. European Heart Journal, 2015, 36, 1576-1582.	1.0	61
64	Effects of combined administration of vitamins C and E on reactive hyperemia and inflammatory process in chronic smokers. Atherosclerosis, 2003, 170, 261-267.	0.4	60
65	l-Arginine, the substrate for NO synthesis: An alternative treatment for premature atherosclerosis?. International Journal of Cardiology, 2007, 116, 300-308.	0.8	59
66	Perivascular Fat Attenuation Index Stratifies Cardiac Risk Associated With High-Risk Plaques in theÂCRISP-CT Study. Journal of the American College of Cardiology, 2020, 76, 755-757.	1.2	59
67	Artificial intelligence in medical imaging: A radiomic guide to precision phenotyping of cardiovascular disease. Cardiovascular Research, 2020, 116, 2040-2054.	1.8	59
68	Fat-Secreted Ceramides Regulate Vascular Redox State and Influence Outcomes in Patients With Cardiovascular Disease. Journal of the American College of Cardiology, 2021, 77, 2494-2513.	1.2	59
69	Potential role of endothelial progenitor cells in the pathophysiology of heart failure: Clinical implications and perspectives. Atherosclerosis, 2006, 189, 247-254.	0.4	57
70	Oxidative stress and inflammatory process in patients with atrial fibrillation: The role of left atrium distension. International Journal of Cardiology, 2009, 136, 258-262.	0.8	57
71	Effects of canagliflozin on human myocardial redox signalling: clinical implications. European Heart Journal, 2021, 42, 4947-4960.	1.0	57
72	Effects of antioxidant vitamins C and E on endothelial function and thrombosis/fibrinolysis system in smokers. Thrombosis and Haemostasis, 2003, 89, 990-995.	1.8	56

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73	Arterial Grafts for Coronary Bypass. Circulation, 2019, 140, 1273-1284.	1.6	56
74	Inflammatory and thrombotic processes are associated with vascular dysfunction in children with familial hypercholesterolemia. Atherosclerosis, 2009, 204, 532-537.	0.4	55
75	Nanomedicine for the prevention, treatment and imaging of atherosclerosis. Nanomedicine: Nanotechnology, Biology, and Medicine, 2012, 8, S59-S68.	1.7	55
76	The Role of Endothelial Progenitor Cells in Vascular Repair after Arterial Injury and Atherosclerotic Plaque Development. Cardiovascular Therapeutics, 2011, 29, 125-139.	1.1	54
77	Perivascular adipose tissue as a regulator of vascular disease pathogenesis: identifying novel therapeutic targets. British Journal of Pharmacology, 2017, 174, 3411-3424.	2.7	54
78	Adipose tissueâ€“derived WNT5A regulates vascular redox signaling in obesity via USP17/RAC1-mediated activation of NADPH oxidases. Science Translational Medicine, 2019, 11, .	5.8	54
79	Mechanisms of Disease: L-arginine in coronary atherosclerosisâ€”a clinical perspective. Nature Clinical Practice Cardiovascular Medicine, 2007, 4, 274-283.	3.3	53
80	Novel Therapies Targeting Vascular Endothelium. Endothelium: Journal of Endothelial Cell Research, 2006, 13, 411-421.	1.7	50
81	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. Journal of the American College of Cardiology, 2008, 52, 941-952.	1.2	50
82	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?. Cardiovascular Research, 2020, 116, 505-519.	1.8	50
83	Inflammatory Mechanisms in COVID-19 and Atherosclerosis: Current Pharmaceutical Perspectives. International Journal of Molecular Sciences, 2021, 22, 6607.	1.8	50
84	Risk factors profile of young and older patients with myocardial infarction. Cardiovascular Research, 2022, 118, 2281-2292.	1.8	49
85	Predictive value of telomere length on outcome following acute myocardial infarction: evidence for contrasting effects of vascular vs. blood oxidative stress. European Heart Journal, 2017, 38, 3094-3104.	1.0	48
86	The Impact of Oral L-Arginine Supplementation on Acute Smoking-Induced Endothelial Injury and Arterial Performance. American Journal of Hypertension, 2009, 22, 586-592.	1.0	47
87	Early Diagnosis of Perioperative Myocardial Infarction After Coronary Bypass Grafting: A Study Using Biomarkers and Cardiac Magnetic Resonance Imaging. Annals of Thoracic Surgery, 2011, 92, 2046-2053.	0.7	47
88	Intercellular communication lessons in heart failure. European Journal of Heart Failure, 2015, 17, 1091-1103.	2.9	47
89	Effects of Insulin Dependence on Inflammatory Process, Thrombotic Mechanisms and Endothelial Function, in Patients with Type 2 Diabetes Mellitus and Coronary Atherosclerosis. Clinical Cardiology, 2007, 30, 295-300.	0.7	46
90	A prospective study of external stenting of saphenous vein grafts to the right coronary artery: the VEST II study. European Journal of Cardio-thoracic Surgery, 2017, 51, 952-958.	0.6	43

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91	Diabetes Mellitus as a Predictor for Radial Artery Vasoreactivity in Patients Undergoing Coronary Artery Bypass Grafting. Journal of the American College of Cardiology, 2007, 50, 1047-1053.	1.2	42
92	Gene Therapy Targeting Inflammation in Atherosclerosis. Current Pharmaceutical Design, 2011, 17, 4210-4223.	0.9	42
93	Genetic Polymorphisms of Platelet Glycoprotein Ia and the Risk for Premature Myocardial Infarction. Journal of the American College of Cardiology, 2006, 47, 1959-1966.	1.2	41
94	Asymmetrical dimethylarginine regulates endothelial function in methionine-induced but not in chronic homocystinemia in humans: effect of oxidative stress and proinflammatory cytokines. American Journal of Clinical Nutrition, 2006, 84, 781-788.	2.2	41
95	New Biochemical Markers in Acute Coronary Syndromes. Current Medicinal Chemistry, 2008, 15, 1288-1296.	1.2	40
96	Antidepressive treatment as a modulator of inflammatory process in patients with heart failure: Effects on proinflammatory cytokines and acute phase protein levels. International Journal of Cardiology, 2009, 134, 238-243.	0.8	40
97	The impact of early administration of low-dose atorvastatin treatment on inflammatory process, in patients with unstable angina and low cholesterol level. International Journal of Cardiology, 2006, 109, 48-52.	0.8	38
98	Rosuvastatin but not ezetimibe improves endothelial function in patients with heart failure, by mechanisms independent of lipid lowering. International Journal of Cardiology, 2010, 142, 87-91.	0.8	38
99	Biomarkers of Vascular Inflammation for Cardiovascular Risk Prognostication. JACC: Cardiovascular Imaging, 2022, 15, 460-471.	2.3	37
100	From Atherosclerosis to Acute Coronary Syndromes: The Role of Soluble CD40 Ligand. Trends in Cardiovascular Medicine, 2010, 20, 153-164.	2.3	36
101	Cardiac Computed Tomography. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 2207-2219.	1.1	36
102	Non-canonical WNT signalling in cardiovascular disease: mechanisms and therapeutic implications. Nature Reviews Cardiology, 2022, 19, 783-797.	6.1	36
103	Therapeutic Strategies Targeting Endothelial Function in Humans:Clinical Implications. Current Vascular Pharmacology, 2012, 10, 77-93.	0.8	35
104	Evidence for association between endothelial nitric oxide synthase gene polymorphism (G894T) and inflammatory markers: The ATTICA study. American Heart Journal, 2004, 148, 733-738.	1.2	34
105	Biomarkers of oxidative stress following continuous positive airway pressure withdrawal: data from two randomised trials. European Respiratory Journal, 2015, 46, 1065-1071.	3.1	34
106	Role of depression in heart failure â€" Choosing the right antidepressive treatment. International Journal of Cardiology, 2010, 140, 12-18.	0.8	33
107	Nanomedicine for the prevention, treatment and imaging of atherosclerosis. Maturitas, 2012, 73, 52-60.	1.0	33
108	Homoarginine in the shadow of asymmetric dimethylarginine: from nitric oxide to cardiovascular disease. Amino Acids, 2015, 47, 1741-1750.	1.2	33

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109	Genetic polymorphisms G894T on the eNOS gene is associated with endothelial function and vWF levels in premature myocardial infarction survivors. International Journal of Cardiology, 2006, 107, 95-100.	0.8	32
110	Preoperative sCD40L Levels Predict Risk of Atrial Fibrillation After Off-Pump Coronary Artery Bypass Graft Surgery. Circulation, 2009, 120, S170-S176.	1.6	31
111	Combined effects of smoking and hypercholesterolemia on inflammatory process, thrombosis/fibrinolysis system, and forearm hyperemic response. American Journal of Cardiology, 2004, 94, 1181-1184.	0.7	30
112	Acute effects of different types of oil consumption on endothelial function, oxidative stress status and vascular inflammation in healthy volunteers. British Journal of Nutrition, 2010, 103, 43-49.	1.2	30
113	Selective Serotonin Reuptake Inhibitors Modify the Effect of Î²-Blockers on Long-Term Survival of Patients With End-Stage Heart Failure and Major Depression. Journal of Cardiac Failure, 2008, 14, 456-464.	0.7	29
114	Endothelin-1 increases superoxide production in human coronary artery bypass grafts. Life Sciences, 2012, 91, 723-728.	2.0	29
115	Development of a risk score for early saphenous vein graft failure: An individual patient data meta-analysis. Journal of Thoracic and Cardiovascular Surgery, 2020, 160, 116-127.e4.	0.4	29
116	Assessing Cardiovascular Risk by Using the Fat Attenuation Index in Coronary CT Angiography. Radiology: Cardiothoracic Imaging, 2021, 3, e200563.	0.9	29
117	Combined effects of atorvastatin and metformin on glucose-induced variations of inflammatory process in patients with diabetes mellitus. International Journal of Cardiology, 2011, 149, 46-49.	0.8	28
118	Divergent anti-inflammatory effects of different oil acute consumption on healthy individuals. European Journal of Clinical Nutrition, 2011, 65, 514-519.	1.3	28
119	â€˜Dysfunctionalâ€™ adipose tissue in cardiovascular disease: a reprogrammable target or an innocent bystander?. Cardiovascular Research, 2017, 113, 997-998.	1.8	28
120	Flow Mediated Dilatation and Progression of Abdominal Aortic Aneurysms. European Journal of Vascular and Endovascular Surgery, 2017, 53, 820-829.	0.8	27
121	Intraoperative Vein Graft Preservation: What Is the Solution?. Annals of Thoracic Surgery, 2016, 102, 1736-1746.	0.7	26
122	Standardized measurement of coronary inflammation using cardiovascular computed tomography: integration in clinical care as a prognostic medical device. Cardiovascular Research, 2021, 117, 2677-2690.	1.8	26
123	Elevated circulating amyloid concentrations in obesity and diabetes promote vascular dysfunction. Journal of Clinical Investigation, 2020, 130, 4104-4117.	3.9	26
124	Impaired Vascular Redox Signaling in the Vascular Complications of Obesity and Diabetes Mellitus. Antioxidants and Redox Signaling, 2019, 30, 333-353.	2.5	25
125	Assessment of Acute Coronary Syndromes: Focus on Novel Biomarkers. Current Medicinal Chemistry, 2012, 19, 2572-2587.	1.2	25
126	The Oxidative Stress Menace to Coronary Vasculature: Any Place for Antioxidants?. Current Pharmaceutical Design, 2009, 15, 3078-3090.	0.9	24

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127	Platelet Activation in Atherogenesis Associated with Low-Grade Inflammation. Inflammation and Allergy: Drug Targets, 2010, 9, 334-345.	1.8	23
128	Adiponectin as a Regulator of Vascular Redox State: Therapeutic Implications. Recent Patents on Cardiovascular Drug Discovery, 2011, 6, 78-88.	1.5	23
129	A key role for the novel coronary artery disease gene JCAD in atherosclerosis via shear stress mechanotransduction. Cardiovascular Research, 2020, 116, 1863-1874.	1.8	23
130	Perivascular fat imaging by computed tomography (CT): a virtual guide. British Journal of Pharmacology, 2021, 178, 4270-4290.	2.7	23
131	Genetic variability on adiponectin gene affects myocardial infarction risk: The role of endothelial dysfunction. International Journal of Cardiology, 2013, 168, 326-330.	0.8	22
132	Statins and Oxidative Stress in the Cardiovascular System. Current Pharmaceutical Design, 2018, 23, 7040-7047.	0.9	22
133	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. International Journal of Cardiology, 2007, 121, 178-183.	0.8	21
134	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. Clinical Therapeutics, 2010, 32, 1720-1728.	1.1	21
135	Nanoparticles: A Promising Therapeutic Approach in Atherosclerosis. Current Drug Delivery, 2010, 7, 303-311.	0.8	21
136	Novel Therapeutic Approaches Targeting Matrix Metalloproteinases in Cardiovascular Disease. Current Topics in Medicinal Chemistry, 2012, 12, 1214-1221.	1.0	21
137	Mechanisms, therapeutic implications, and methodological challenges of gut microbiota and cardiovascular diseases: a position paper by the ESC Working Group on Coronary Pathophysiology and Microcirculation. Cardiovascular Research, 2022, 118, 3171-3182.	1.8	21
138	Statins and vein graft failure in coronary bypass surgery. Current Opinion in Pharmacology, 2012, 12, 172-180.	1.7	20
139	The year in cardiovascular medicine 2020: digital health and innovation. European Heart Journal, 2021, 42, 732-739.	1.0	20
140	Cardiovascular risk stratification by coronary computed tomography angiography imaging: current state-of-the-art. European Journal of Preventive Cardiology, 2022, 29, 608-624.	0.8	20
141	Matrix Metalloproteinases in Acute Coronary Syndromes: Current Perspectives. Current Topics in Medicinal Chemistry, 2012, 12, 1192-1205.	1.0	20
142	Immunometabolic Regulation of Vascular Redox State: The Role of Adipose Tissue. Antioxidants and Redox Signaling, 2018, 29, 313-336.	2.5	19
143	Vascular inflammation and metabolic activity in hematopoietic organs and liver in familial combined hyperlipidemia and heterozygous familial hypercholesterolemia. Journal of Clinical Lipidology, 2018, 12, 33-43.	0.6	19
144	Relation of Preoperative Radial Artery Flow-Mediated Dilatation to Nitric Oxide Bioavailability in Radial Artery Grafts Used in Off-Pump Coronary Artery Bypass Grafting. American Journal of Cardiology, 2009, 103, 216-220.	0.7	18

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145	Combined effects of smoking and interleukin-6 and C-reactive protein genetic variants on endothelial function, inflammation, thrombosis and incidence of coronary artery disease. International Journal of Cardiology, 2014, 176, 254-257.	0.8	18
146	Detecting Coronary Inflammation With Perivascular Fat Attenuation Imaging. JACC: Cardiovascular Imaging, 2019, 12, 2011-2014.	2.3	18
147	Genetic Polymorphism on Type 2 Receptor of Angiotensin II, Modifies Cardiovascular Risk And Systemic Inflammation in Hypertensive Males. American Journal of Hypertension, 2010, 23, 237-242.	1.0	17
148	Comparative effects of rosuvastatin and allopurinol on circulating levels of matrix metalloproteinases and tissue inhibitors of metalloproteinases in patients with chronic heart failure. International Journal of Cardiology, 2010, 145, 438-443.	0.8	17
149	Plasma signature of apoptotic microvesicles is associated with endothelial dysfunction and plaque rupture in acute coronary syndromes. Journal of Molecular and Cellular Cardiology, 2020, 138, 110-114.	0.9	17
150	A phenomapping-derived tool to personalize the selection of anatomical vs. functional testing in evaluating chest pain (ASSIST). European Heart Journal, 2021, 42, 2536-2548.	1.0	17
151	Artificial intelligence in cardiovascular imagingâ€"principles, expectations, and limitations. European Heart Journal, 2021, , .	1.0	17
152	A novel workflow combining plaque imaging, plaque and plasma proteomics identifies biomarkers of human coronary atherosclerotic plaque disruption. Clinical Proteomics, 2017, 14, 22.	1.1	16
153	OCT Characteristics of Saphenous Vein Graft Atherosclerosis. JACC: Cardiovascular Imaging, 2011, 4, 807-809.	2.3	15
154	Functional cardiac orexin receptors: role of orexin-B/orexin 2 receptor in myocardial protection. Clinical Science, 2018, 132, 2547-2564.	1.8	15
155	Insulin-induced vascular redox dysregulation in human atherosclerosis is ameliorated by dipeptidyl peptidase 4 inhibition. Science Translational Medicine, 2020, 12, .	5.8	15
156	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. Journal of the American College of Nutrition, 2008, 27, 379-386.	1.1	14
157	Novel Therapeutic Strategies Targeting Vascular Redox in Human Atherosclerosis. Recent Patents on Cardiovascular Drug Discovery, 2009, 4, 76-87.	1.5	14
158	Artifactual elevation of plasma sCD40L by residual platelets in patients with coronary artery disease. International Journal of Cardiology, 2013, 168, 1648-1650.	0.8	14
159	Statins: Pleiotropic Regulators of Cardiovascular Redox State. Antioxidants and Redox Signaling, 2014, 20, 1195-1197.	2.5	14
160	Cardiac Magnetic Resonance Imaging of Epicardial and Intramyocardial Adiposity as an Early Sign of Myocardial Disease. Circulation: Cardiovascular Imaging, 2018, 11, e008083.	1.3	14
161	Arterial stiffness and microvascular disease in type 2 diabetes. European Journal of Clinical Investigation, 2021, 51, e13380.	1.7	14
162	Matrix Metallopropteinases in Heart Failure. Current Topics in Medicinal Chemistry, 2012, 12, 1181-1191.	1.0	14

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163	The activation of endothelin-1 pathway during methionine-induced homocysteinemia mediates endothelial dysfunction in hypertensive individuals. Journal of Hypertension, 2010, 28, 925-930.	0.3	13
164	C-reactive protein and endothelial dysfunction: Gazing at the coronaries. International Journal of Cardiology, 2011, 152, 1-3.	0.8	13
165	Prognostic implications of epicardial fat volume quantification in acute pericarditis. European Journal of Clinical Investigation, 2017, 47, 129-136.	1.7	13
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167	Statins ameliorate atherosclerosis induced by inhibition of nitric oxide synthase: Another novel vascular protective mechanism?. International Journal of Cardiology, 2008, 123, 91-93.	0.8	12
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