

# Gerald Maurer

## List of Publications by Citations

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233  
papers

13,563  
citations

60  
h-index

111  
g-index

255  
ext. papers

15,304  
ext. citations

6.2  
avg, IF

5.61  
L-index

#	Paper	IF	Citations
233	Predictors of outcome in severe, asymptomatic aortic stenosis. <i>New England Journal of Medicine</i> , <b>2000</b> , 343, 611-7	59.2	954
232	Transesophageal echocardiography. <i>Journal of the American Society of Echocardiography</i> , <b>1989</b> , 2, 354-7	5.8	866
231	Myocardial viability and survival in ischemic left ventricular dysfunction. <i>New England Journal of Medicine</i> , <b>2011</b> , 364, 1617-25	59.2	574
230	Late prognostic value of flow-mediated dilation in the brachial artery of patients with chest pain. <i>American Journal of Cardiology</i> , <b>2000</b> , 86, 207-10	3	471
229	Outcome of watchful waiting in asymptomatic severe mitral regurgitation. <i>Circulation</i> , <b>2006</b> , 113, 2238-44	16.7	366
228	Natriuretic peptides predict symptom-free survival and postoperative outcome in severe aortic stenosis. <i>Circulation</i> , <b>2004</b> , 109, 2302-8	16.7	329
227	Natural history of very severe aortic stenosis. <i>Circulation</i> , <b>2010</b> , 121, 151-6	16.7	318
226	Statins but not angiotensin-converting enzyme inhibitors delay progression of aortic stenosis. <i>Circulation</i> , <b>2004</b> , 110, 1291-5	16.7	316
225	Mild and moderate aortic stenosis. Natural history and risk stratification by echocardiography. <i>European Heart Journal</i> , <b>2004</b> , 25, 199-205	9.5	286
224	Diastolic pulmonary vascular pressure gradient: a predictor of prognosis in "out-of-proportion" pulmonary hypertension. <i>Chest</i> , <b>2013</b> , 143, 758-766	5.3	266
223	Implementation of guidelines improves the standard of care: the Viennese registry on reperfusion strategies in ST-elevation myocardial infarction (Vienna STEMI registry). <i>Circulation</i> , <b>2006</b> , 113, 2398-405	16.7	266
222	Two-dimensional contrast echocardiography. I. In vitro development and quantitative analysis of echo contrast agents. <i>Journal of the American College of Cardiology</i> , <b>1984</b> , 3, 14-20	15.1	252
221	Mechanisms underlying aortic dilatation in congenital aortic valve malformation. <i>Circulation</i> , <b>1999</b> , 99, 2138-43	16.7	245
220	"Overestimation" of catheter gradients by Doppler ultrasound in patients with aortic stenosis: a predictable manifestation of pressure recovery. <i>Journal of the American College of Cardiology</i> , <b>1999</b> , 33, 1655-61	15.1	219
219	Meta-Analysis of Cell-based CaRdiac stUdiEs (ACCRUE) in patients with acute myocardial infarction based on individual patient data. <i>Circulation Research</i> , <b>2015</b> , 116, 1346-60	15.7	213
218	Medical conditions increasing the risk of chronic thromboembolic pulmonary hypertension. <i>Thrombosis and Haemostasis</i> , <b>2005</b> , 93, 512-6	7	201
217	Inflammation and Carotid Artery--Risk for Atherosclerosis Study (ICARAS). <i>Circulation</i> , <b>2005</b> , 111, 2203-9	16.7	178

216	High prevalence of elevated clotting factor VIII in chronic thromboembolic pulmonary hypertension. <i>Thrombosis and Haemostasis</i> , <b>2003</b> , 90, 372-6	7	168
215	COVID-19 pandemic and cardiac imaging: EACVI recommendations on precautions, indications, prioritization, and protection for patients and healthcare personnel. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2020</b> , 21, 592-598	4.1	158
214	Intracoronary thrombectomy with the X-sizer catheter system improves epicardial flow and accelerates ST-segment resolution in patients with acute coronary syndrome: a prospective, randomized, controlled study. <i>Circulation</i> , <b>2002</b> , 105, 2355-60	16.7	143
213	Cardiac magnetic resonance postcontrast T1 time is associated with outcome in patients with heart failure and preserved ejection fraction. <i>Circulation: Cardiovascular Imaging</i> , <b>2013</b> , 6, 1056-65	3.9	123
212	Three-dimensional reconstruction of echo-cardiographic images using the rotation method. <i>Ultrasound in Medicine and Biology</i> , <b>1982</b> , 8, 655-61	3.5	123
211	ESC Working Group on Valvular Heart Disease position paper--heart valve clinics: organization, structure, and experiences. <i>European Heart Journal</i> , <b>2013</b> , 34, 1597-606	9.5	117
210	Coronary no-reflow is caused by shedding of active tissue factor from dissected atherosclerotic plaque. <i>Blood</i> , <b>2002</b> , 99, 2794-800	2.2	117
209	C5a stimulates production of plasminogen activator inhibitor-1 in human mast cells and basophils. <i>Blood</i> , <b>2002</b> , 100, 517-23	2.2	115
208	Effect of prosthetic aortic valve design on the Doppler-catheter gradient correlation: an in vitro study of normal St. Jude, Medtronic-Hall, Starr-Edwards and Hancock valves. <i>Journal of the American College of Cardiology</i> , <b>1992</b> , 19, 324-32	15.1	115
207	Interleukin-33 induces expression of adhesion molecules and inflammatory activation in human endothelial cells and in human atherosclerotic plaques. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2011</b> , 31, 2080-9	9.4	109
206	Assessment of myocardial viability by dobutamine echocardiography, positron emission tomography and thallium-201 SPECT: correlation with histopathology in explanted hearts. <i>Journal of the American College of Cardiology</i> , <b>1998</b> , 32, 1701-8	15.1	105
205	Components of the interleukin-33/ST2 system are differentially expressed and regulated in human cardiac cells and in cells of the cardiac vasculature. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2013</b> , 60, 16-26	5.8	104
204	Contribution of nicotine to acute endothelial dysfunction in long-term smokers. <i>Journal of the American College of Cardiology</i> , <b>2002</b> , 39, 251-6	15.1	104
203	Computer analysis of Doppler color flow mapping images for quantitative assessment of in vitro fluid jets. <i>Journal of the American College of Cardiology</i> , <b>1988</b> , 12, 450-7	15.1	102
202	Importance of pressure recovery for the assessment of aortic stenosis by Doppler ultrasound. Role of aortic size, aortic valve area, and direction of the stenotic jet in vitro. <i>Circulation</i> , <b>1996</b> , 94, 1934-40	16.7	101
201	Impact of tricuspid regurgitation on survival in patients with chronic heart failure: unexpected findings of a long-term observational study. <i>European Heart Journal</i> , <b>2013</b> , 34, 844-52	9.5	100
200	Myocardial Viability and Long-Term Outcomes in Ischemic Cardiomyopathy. <i>New England Journal of Medicine</i> , <b>2019</b> , 381, 739-748	59.2	99
199	Stent thrombosis with ticagrelor versus clopidogrel in patients with acute coronary syndromes: an analysis from the prospective, randomized PLATO trial. <i>Circulation</i> , <b>2013</b> , 128, 1055-65	16.7	99

198	Combined delivery approach of bone marrow mononuclear stem cells early and late after myocardial infarction: the MYSTAR prospective, randomized study. <i>Nature Clinical Practice Cardiovascular Medicine</i> , <b>2009</b> , 6, 70-81		98
197	Additional benefit of vitamin E supplementation to simvastatin therapy on vasoreactivity of the brachial artery of hypercholesterolemic men. <i>Journal of the American College of Cardiology</i> , <b>1998</b> , 32, 711-6	15.1	97
196	Complement component C5a predicts future cardiovascular events in patients with advanced atherosclerosis. <i>European Heart Journal</i> , <b>2005</b> , 26, 2294-9	9.5	97
195	Effects of vitamin E on chronic and acute endothelial dysfunction in smokers. <i>Journal of the American College of Cardiology</i> , <b>2000</b> , 35, 277-83	15.1	97
194	Personalized antiplatelet treatment after percutaneous coronary intervention: the MADONNA study. <i>International Journal of Cardiology</i> , <b>2013</b> , 167, 2018-23	3.2	94
193	Value of cardiopulmonary exercise testing and big endothelin plasma levels to predict short-term prognosis of patients with chronic heart failure. <i>Journal of the American College of Cardiology</i> , <b>1998</b> , 32, 1695-700	15.1	94
192	Stereolithographic biomodeling to create tangible hard copies of cardiac structures from echocardiographic data: in vitro and in vivo validation. <i>Journal of the American College of Cardiology</i> , <b>2000</b> , 35, 230-7	15.1	94
191	Gender differences in clinical presentation and surgical outcome of aortic stenosis. <i>Heart</i> , <b>2010</b> , 96, 539-45		91
190	Progression of carotid stenosis detected by duplex ultrasonography predicts adverse outcomes in cardiovascular high-risk patients. <i>Stroke</i> , <b>2007</b> , 38, 2887-94	6.7	91
189	HMG CoA reductase inhibitors affect the fibrinolytic system of human vascular cells in vitro: a comparative study using different statins. <i>British Journal of Pharmacology</i> , <b>2002</b> , 135, 284-92	8.6	82
188	Intraoperative Doppler color flow mapping for assessment of valve repair for mitral regurgitation. <i>American Journal of Cardiology</i> , <b>1987</b> , 60, 333-7	3	82
187	Effects of dobutamine stimulation on myocardial blood flow, glucose metabolism, and wall motion in normal and dysfunctional myocardium. <i>Circulation</i> , <b>1996</b> , 94, 3146-54	16.7	82
186	Can a commercial diagnostic ultrasound device accelerate thrombolysis? An in vitro skull model. <i>Stroke</i> , <b>2005</b> , 36, 124-8	6.7	79
185	Familial-combined hyperlipidaemia in very young myocardial infarction survivors (European Heart Journal), <b>2009</b> , 30, 1073-9	9.5	78
184	In vitro validation of three-dimensional intravascular ultrasound for the evaluation of arterial injury after balloon angioplasty. <i>Journal of the American College of Cardiology</i> , <b>1992</b> , 20, 692-700	15.1	74
183	Heterogeneous aortic response to acute beta-adrenergic blockade in Marfan syndrome. <i>American Heart Journal</i> , <b>1997</b> , 133, 60-3	4.9	72
182	The complement component C5a is present in human coronary lesions in vivo and induces the expression of MMP-1 and MMP-9 in human macrophages in vitro. <i>FASEB Journal</i> , <b>2011</b> , 25, 35-44	0.9	70
181	Intravascular ultrasound imaging: a current perspective. <i>Journal of the American College of Cardiology</i> , <b>1991</b> , 18, 1811-23	15.1	69

180	Normal Reference Ranges for Echocardiography: rationale, study design, and methodology (NORRE Study). <i>European Heart Journal Cardiovascular Imaging</i> , <b>2013</b> , 14, 303-8	4.1	67
179	Urinary excretion of apo(a) fragments. Role in apo(a) catabolism. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>1996</b> , 16, 905-11	9.4	66
178	Outcome of combined stenotic and regurgitant aortic valve disease. <i>Journal of the American College of Cardiology</i> , <b>2013</b> , 61, 1489-95	15.1	65
177	Plasminogen activator inhibitor 1 expression is regulated by the inflammatory mediators interleukin-1alpha, tumor necrosis factor-alpha, transforming growth factor-beta and oncostatin M in human cardiac myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2002</b> , 34, 1681-91	5.8	64
176	Cell therapy for human ischemic heart diseases: critical review and summary of the clinical experiences. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2014</b> , 75, 12-24	5.8	63
175	NOGA-guided analysis of regional myocardial perfusion abnormalities treated with intramyocardial injections of plasmid encoding vascular endothelial growth factor A-165 in patients with chronic myocardial ischemia: subanalysis of the EUROINJECT-ONE multicenter double-blind randomized trial. <i>Circulation</i> , <b>2007</b> , 115, 1477-85	16.7	61
174	Catecholamines potentiate LPS-induced expression of MMP-1 and MMP-9 in human monocytes and in the human monocytic cell line U937: possible implications for peri-operative plaque instability. <i>FASEB Journal</i> , <b>2004</b> , 18, 603-5	0.9	60
173	Aortic regurgitation. <i>Heart</i> , <b>2006</b> , 92, 994-1000	5.1	58
172	A multi-biomarker risk score improves prediction of long-term mortality in patients with advanced heart failure. <i>International Journal of Cardiology</i> , <b>2013</b> , 168, 1251-7	3.2	57
171	Prognostic impact of fibrinogen in carotid atherosclerosis: nonspecific indicator of inflammation or independent predictor of disease progression?. <i>Stroke</i> , <b>2005</b> , 36, 1400-4	6.7	57
170	Imaging in pulmonary hypertension. <i>JACC: Cardiovascular Imaging</i> , <b>2010</b> , 3, 1287-95	8.4	56
169	Size matters! Impact of age, sex, height, and weight on the normal heart size. <i>Circulation: Cardiovascular Imaging</i> , <b>2013</b> , 6, 1073-9	3.9	54
168	Myeloperoxidase predicts progression of carotid stenosis in states of low high-density lipoprotein cholesterol. <i>Journal of the American College of Cardiology</i> , <b>2006</b> , 47, 2212-8	15.1	53
167	Oncostatin M-enhanced vascular endothelial growth factor expression in human vascular smooth muscle cells involves PI3K-, p38 MAPK-, Erk1/2- and STAT1/STAT3-dependent pathways and is attenuated by interferon- $\gamma$ . <i>Basic Research in Cardiology</i> , <b>2011</b> , 106, 217-31	11.8	50
166	The role of biomarkers in valvular heart disease: focus on natriuretic peptides. <i>Canadian Journal of Cardiology</i> , <b>2014</b> , 30, 1027-34	3.8	48
165	Relative importance of different lipid risk factors for the development of myocardial infarction at a very young age ( $\leq 40$ years of age). <i>European Journal of Clinical Investigation</i> , <b>2012</b> , 42, 631-6	4.6	47
164	Effects of pressure-controlled intermittent coronary sinus occlusion on regional ischemic myocardial function. <i>Journal of the American College of Cardiology</i> , <b>1985</b> , 5, 939-47	15.1	46
163	Prognostic value of serial B-type natriuretic peptide measurement in asymptomatic organic mitral regurgitation. <i>European Journal of Heart Failure</i> , <b>2011</b> , 13, 163-9	12.3	45

162	Routinely available biomarkers improve prediction of long-term mortality in stable coronary artery disease: the Vienna and Ludwigshafen Coronary Artery Disease (VILCAD) risk score. <i>European Heart Journal</i> , <b>2012</b> , 33, 2282-9	9.5	44
161	2MHz ultrasound enhances t-PA-mediated thrombolysis: comparison of continuous versus pulsed ultrasound and standing versus travelling acoustic waves. <i>Thrombosis and Haemostasis</i> , <b>2003</b> , 89, 583-589		44
160	Effect of timing of clopidogrel administration on 30-day clinical outcomes: 300-mg loading dose immediately after coronary stenting versus pretreatment 6 to 24 hours before stenting in a large unselected patient cohort. <i>American Heart Journal</i> , <b>2007</b> , 153, 289-95	4.9	42
159	Tricuspid valve repair. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>1989</b> , 98, 101-111	1.5	42
158	The anti-angiogenic factor PEDF is present in the human heart and is regulated by anoxia in cardiac myocytes and fibroblasts. <i>Journal of Cellular and Molecular Medicine</i> , <b>2010</b> , 14, 198-205	5.6	41
157	Hydroxymethylglutaryl-coenzyme A reductase inhibitors induce apoptosis in human cardiac myocytes in vitro. <i>Biochemical Pharmacology</i> , <b>2006</b> , 71, 1324-30	6	41
156	Ultrasound affects distribution of plasminogen and tissue-type plasminogen activator in whole blood clots in vitro. <i>Thrombosis and Haemostasis</i> , <b>2004</b> , 92, 980-5	7	41
155	Design and rationale for the Myocardial Stem Cell Administration After Acute Myocardial Infarction (MYSTAR) Study: a multicenter, prospective, randomized, single-blind trial comparing early and late intracoronary or combined (percutaneous intramyocardial and intracoronary) administration of	4.9	40
154	Updated standards and processes for accreditation of echocardiographic laboratories from The European Association of Cardiovascular Imaging. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2014</b> , 15, 717-27	4.1	39
153	Asymptomatic Severe Aortic Stenosis in the Elderly. <i>JACC: Cardiovascular Imaging</i> , <b>2017</b> , 10, 43-50	8.4	39
152	Vascular dysfunction after coarctation repair is related to the age at surgery. <i>International Journal of Cardiology</i> , <b>2005</b> , 99, 295-9	3.2	38
151	Long-acting beneficial effect of percutaneously intramyocardially delivered secretome of apoptotic peripheral blood cells on porcine chronic ischemic left ventricular dysfunction. <i>Biomaterials</i> , <b>2014</b> , 35, 3541-50	15.6	37
150	Small high-density lipoprotein is associated with monocyte subsets in stable coronary artery disease. <i>Atherosclerosis</i> , <b>2014</b> , 237, 589-96	3.1	37
149	The forgotten valve: lessons to be learned in tricuspid regurgitation. <i>European Heart Journal</i> , <b>2010</b> , 31, 2841-3	9.5	37
148	Thrombin induces the expression of oncostatin M via AP-1 activation in human macrophages: a link between coagulation and inflammation. <i>Blood</i> , <b>2009</b> , 114, 2812-8	2.2	37
147	The salvage potential of coronary sinus interventions: meta-analysis and pathophysiologic consequences. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2004</b> , 127, 1703-12	1.5	37
146	Opposite effects of CX3CR1 receptor polymorphisms V249I and T280M on the development of acute coronary syndrome. A possible implication of fractalkine in inflammatory activation. <i>Thrombosis and Haemostasis</i> , <b>2005</b> , 93, 949-54	7	37
145	Liver function predicts survival in patients undergoing extracorporeal membrane oxygenation following cardiovascular surgery. <i>Critical Care</i> , <b>2016</b> , 20, 57	10.8	36



144	In human macrophages the complement component C5a induces the expression of oncostatin M via AP-1 activation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2008</b> , 28, 498-503	9.4	36
143	Premature myocardial infarction is associated with low serum levels of Wnt-1. <i>Atherosclerosis</i> , <b>2012</b> , 222, 251-6	3.1	35
142	Histopathologic correlation of the three-layered intravascular ultrasound appearance of normal adult human muscular arteries. <i>American Heart Journal</i> , <b>1993</b> , 126, 872-8	4.9	35
141	An increase of C-reactive protein is associated with enhanced activation of endogenous fibrinolysis at baseline but an impaired endothelial fibrinolytic response after venous occlusion. <i>Journal of the American College of Cardiology</i> , <b>2005</b> , 45, 30-4	15.1	34
140	Ultrasound thrombolysis. <i>Thrombosis and Haemostasis</i> , <b>2005</b> , 94, 26-36	7	34
139	Differences in the predictive value of tumor necrosis factor-like weak inducer of apoptosis (TWEAK) in advanced ischemic and non-ischemic heart failure. <i>Atherosclerosis</i> , <b>2010</b> , 213, 545-8	3.1	33
138	Coronary late lumen loss of drug eluting stents is associated with increased serum levels of the complement components C3a and C5a. <i>Atherosclerosis</i> , <b>2010</b> , 208, 285-9	3.1	32
137	Monocyte chemoattractant protein (MCP-1) is expressed in human cardiac cells and is differentially regulated by inflammatory mediators and hypoxia. <i>FEBS Letters</i> , <b>2006</b> , 580, 3532-8	3.8	32
136	Glycoprotein 130 ligand oncostatin-M induces expression of vascular endothelial growth factor in human adult cardiac myocytes. <i>Cardiovascular Research</i> , <b>2003</b> , 59, 628-38	9.9	32
135	European multicentre validation study of the accuracy of E/ePratio in estimating invasive left ventricular filling pressure: EURO-FILLING study. <i>European Heart Journal Cardiovascular Imaging</i> , <b>2014</b> , 15, 810-6	4.1	31
134	Dual non-responsiveness to antiplatelet treatment is a stronger predictor of cardiac adverse events than isolated non-responsiveness to clopidogrel or aspirin. <i>International Journal of Cardiology</i> , <b>2013</b> , 167, 430-5	3.2	31
133	Fractalkine is an independent predictor of mortality in patients with advanced heart failure. <i>Thrombosis and Haemostasis</i> , <b>2012</b> , 108, 1220-7	7	31
132	Increased restenosis rate after implantation of drug-eluting stents in patients with elevated serum activity of matrix metalloproteinase-2 and -9. <i>JACC: Cardiovascular Interventions</i> , <b>2010</b> , 3, 90-7	5	31
131	Active endothelin is an important vasoconstrictor in acute coronary thrombi. <i>Thrombosis and Haemostasis</i> , <b>2007</b> , 97, 642-9	7	31
130	A quantitative comparison of transesophageal and epicardial color Doppler echocardiography in the intraoperative assessment of mitral regurgitation. <i>American Journal of Cardiology</i> , <b>1989</b> , 64, 1168-72 <sup>3</sup>		30
129	The effect of p22-PHOX (CYBA) polymorphisms on premature coronary artery disease (≤40 years of age). <i>Thrombosis and Haemostasis</i> , <b>2011</b> , 105, 529-34	7	28
128	Elevation of prostate-specific markers after cardiopulmonary resuscitation. <i>Circulation</i> , <b>2000</b> , 102, 290-316.7		28
127	Prostaglandin E1 induces vascular endothelial growth factor-1 in human adult cardiac myocytes but not in human adult cardiac fibroblasts via a cAMP-dependent mechanism. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2004</b> , 36, 539-46	5.8	27

126	Sequential activation of different pathway networks in ischemia-affected and non-affected myocardium, inducing intrinsic remote conditioning to prevent left ventricular remodeling. <i>Scientific Reports</i> , <b>2017</b> , 7, 43958	4.9	26
125	Monocyte subset distribution in patients with stable atherosclerosis and elevated levels of lipoprotein(a). <i>Journal of Clinical Lipidology</i> , <b>2015</b> , 9, 533-41	4.9	26
124	Association of small dense LDL serum levels and circulating monocyte subsets in stable coronary artery disease. <i>PLoS ONE</i> , <b>2015</b> , 10, e0123367	3.7	25
123	The inflammatory cytokine oncostatin M induces PAI-1 in human vascular smooth muscle cells in vitro via PI 3-kinase and ERK1/2-dependent pathways. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2007</b> , 293, H1962-8	5.2	25
122	Serum butyrylcholinesterase predicts survival after extracorporeal membrane oxygenation after cardiovascular surgery. <i>Critical Care</i> , <b>2014</b> , 18, R24	10.8	24
121	Mechanisms of functional mitral regurgitation in ischemic cardiomyopathy determined by transesophageal echocardiography (from the Surgical Treatment for Ischemic Heart Failure Trial). <i>American Journal of Cardiology</i> , <b>2013</b> , 112, 1812-8	3	24
120	Premature myocardial infarction is strongly associated with increased levels of remnant cholesterol. <i>Journal of Clinical Lipidology</i> , <b>2015</b> , 9, 801-806.e1	4.9	24
119	Markers of bone metabolism in premature myocardial infarction (40 years of age). <i>Bone</i> , <b>2011</b> , 48, 622-647	4.7	24
118	Distribution of clinical events across platelet aggregation values in all-comers treated with prasugrel and ticagrelor. <i>Vascular Pharmacology</i> , <b>2016</b> , 79, 6-10	5.9	23
117	Time course of endothelium-dependent and -independent coronary vasomotor response to coronary balloons and stents. Comparison of plain and drug-eluting balloons and stents. <i>JACC: Cardiovascular Interventions</i> , <b>2012</b> , 5, 741-51	5	23
116	Human cardiac fibroblasts express B-type natriuretic peptide: fluvastatin ameliorates its up-regulation by interleukin-1alpha, tumour necrosis factor-alpha and transforming growth factor-beta. <i>Journal of Cellular and Molecular Medicine</i> , <b>2009</b> , 13, 4415-21	5.6	22
115	Levosimendan exerts anti-inflammatory effects on cardiac myocytes and endothelial cells in vitro. <i>Thrombosis and Haemostasis</i> , <b>2015</b> , 113, 350-62	7	21
114	Interplay between genetic and clinical variables affecting platelet reactivity and cardiac adverse events in patients undergoing percutaneous coronary intervention. <i>PLoS ONE</i> , <b>2014</b> , 9, e102701	3.7	21
113	Butyrylcholinesterase activity predicts long-term survival in patients with coronary artery disease. <i>Clinical Chemistry</i> , <b>2012</b> , 58, 1055-8	5.5	21
112	Systemic pressure does not directly affect pressure gradient and valve area estimates in aortic stenosis in vitro. <i>European Heart Journal</i> , <b>2008</b> , 29, 2049-57	9.5	21
111	Outcome in Heart Failure with Preserved Ejection Fraction: The Role of Myocardial Structure and Right Ventricular Performance. <i>PLoS ONE</i> , <b>2015</b> , 10, e0134479	3.7	21
110	Inter-patient variability of platelet reactivity in patients treated with prasugrel and ticagrelor. <i>Platelets</i> , <b>2016</b> , 27, 373-7	3.6	21
109	Clinical predictors of patient related delay in the VIENNA ST-elevation myocardial infarction network and impact on long-term mortality. <i>European Heart Journal: Acute Cardiovascular Care</i> , <b>2017</b> , 6, 254-261	4.3	20



108	Complement component C5a predicts restenosis after superficial femoral artery balloon angioplasty. <i>Journal of Endovascular Therapy</i> , <b>2007</b> , 14, 62-9	2.5	20
107	Estimation of coronary flow reserve by transesophageal coronary sinus Doppler measurements in patients with syndrome X and patients with significant left coronary artery disease. <i>Journal of the American College of Cardiology</i> , <b>1995</b> , 25, 1039-45	15.1	20
106	Liposomal doxorubicin attenuates cardiotoxicity via induction of interferon-related DNA damage resistance. <i>Cardiovascular Research</i> , <b>2020</b> , 116, 970-982	9.9	19
105	Effect of intramyocardial delivery of autologous bone marrow mononuclear stem cells on the regional myocardial perfusion. NOGA-guided subanalysis of the MYSTAR prospective randomised study. <i>Thrombosis and Haemostasis</i> , <b>2010</b> , 103, 564-71	7	19
104	Soluble galectin-3 is associated with premature myocardial infarction. <i>European Journal of Clinical Investigation</i> , <b>2016</b> , 46, 386-91	4.6	19
103	Porcine model of progressive cardiac hypertrophy and fibrosis with secondary postcapillary pulmonary hypertension. <i>Journal of Translational Medicine</i> , <b>2017</b> , 15, 202	8.5	18
102	Impaired antioxidant HDL function is associated with premature myocardial infarction. <i>European Journal of Clinical Investigation</i> , <b>2015</b> , 45, 731-8	4.6	18
101	Thrombolytic therapy in acute myocardial infarction. <i>Seminars in Thrombosis and Hemostasis</i> , <b>1996</b> , 22, 15-26	5.3	18
100	Retrograde coronary venous contrast echocardiography: assessment of shunting and delineation of regional myocardium in the normal and ischemic canine heart. <i>Journal of the American College of Cardiology</i> , <b>1984</b> , 4, 577-86	15.1	18
99	The estrogen metabolite 17 $\beta$ -dihydroequilenin counteracts interleukin-1 $\beta$ -induced expression of inflammatory mediators in human endothelial cells in vitro via NF- $\kappa$ B pathway. <i>Thrombosis and Haemostasis</i> , <b>2006</b> , 95, 107-116	7	18
98	Is activation of coronary venous cells the key to cardiac regeneration?. <i>Nature Clinical Practice Cardiovascular Medicine</i> , <b>2008</b> , 5, 528-30		17
97	Assessment of coronary stenoses by Doppler wires: a validation study using in vitro modeling and computer simulations. <i>Ultrasound in Medicine and Biology</i> , <b>1999</b> , 25, 793-801	3.5	17
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