

Jean-Louis Vanoverschelde

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222
papers

13,165
citations

59
h-index

108
g-index

240
ext. papers

15,123
ext. citations

5.5
avg, IF

5.8
L-index

#	Paper	IF	Citations
222	A prospective survey of patients with valvular heart disease in Europe: The Euro Heart Survey on Valvular Heart Disease. <i>European Heart Journal</i> , 2003 , 24, 1231-43	9.5	2140
221	What are the characteristics of patients with severe, symptomatic, mitral regurgitation who are denied surgery?. <i>European Heart Journal</i> , 2007 , 28, 1358-65	9.5	610
220	Cardiopoietic stem cell therapy in heart failure: the C-CURE (Cardiopoietic stem Cell therapy in heart failURE) multicenter randomized trial with lineage-specified biologics. <i>Journal of the American College of Cardiology</i> , 2013 , 61, 2329-38	15.1	360
219	Characterization of acute and chronic myocardial infarcts by multidetector computed tomography: comparison with contrast-enhanced magnetic resonance. <i>Circulation</i> , 2006 , 113, 823-33	16.7	342
218	EAE/ASE recommendations for the use of echocardiography in new transcatheter interventions for valvular heart disease. <i>European Heart Journal</i> , 2011 , 32, 2189-214	9.5	255
217	Contrast echocardiography: evidence-based recommendations by European Association of Echocardiography. <i>European Journal of Echocardiography</i> , 2009 , 10, 194-212		233
216	Association between early surgical intervention vs watchful waiting and outcomes for mitral regurgitation due to flail mitral valve leaflets. <i>JAMA - Journal of the American Medical Association</i> , 2013 , 310, 609-16	27.4	219
215	Assessment of systolic left ventricular function: a multi-centre comparison of cineventriculography, cardiac magnetic resonance imaging, unenhanced and contrast-enhanced echocardiography. <i>European Heart Journal</i> , 2005 , 26, 607-16	9.5	211
214	Insulin signalling in the heart. <i>Cardiovascular Research</i> , 2008 , 79, 238-48	9.9	183
213	Prognostic significance of LGE by CMR in aortic stenosis patients undergoing valve replacement. <i>Journal of the American College of Cardiology</i> , 2014 , 64, 144-54	15.1	179
212	Deficiency of LKB1 in heart prevents ischemia-mediated activation of AMPKalpha2 but not AMPKalpha1. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006 , 290, E780-8	6	171
211	EAE/ASE recommendations for the use of echocardiography in new transcatheter interventions for valvular heart disease. <i>Journal of the American Society of Echocardiography</i> , 2011 , 24, 937-65	5.8	161
210	Valve sparing-root replacement with the reimplantation technique to increase the durability of bicuspid aortic valve repair. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011 , 142, 1430-8	1.5	160
209	Head-to-Head Comparison of Exercise Redistribution Rejection Thallium Single-Photon Emission Computed Tomography and Low Dose Dobutamine Echocardiography for Prediction of Reversibility of Chronic Left Ventricular Ischemic Dysfunction. <i>Journal of the American College of Cardiology</i> , 1996 , 28, 432-442	15.1	138
208	Imaging techniques for the assessment of myocardial hibernation. Report of a Study Group of the European Society of Cardiology. <i>European Heart Journal</i> , 2004 , 25, 815-36	9.5	133
207	Twenty-Year Outcome After Mitral Repair Versus Replacement for Severe Degenerative Mitral Regurgitation: Analysis of a Large, Prospective, Multicenter, International Registry. <i>Circulation</i> , 2017 , 135, 410-422	16.7	132
206	Mechanisms of recurrent aortic regurgitation after aortic valve repair: predictive value of intraoperative transesophageal echocardiography. <i>JACC: Cardiovascular Imaging</i> , 2009 , 2, 931-9	8.4	130

205	Prognostic value of myocardial viability by delayed-enhanced magnetic resonance in patients with coronary artery disease and low ejection fraction: impact of revascularization therapy. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 825-35	15.1	127
204	Imaging the vulnerable plaque. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 1961-79	15.1	127
203	Aortic valve area assessment: multidetector CT compared with cine MR imaging and transthoracic and transesophageal echocardiography. <i>Radiology</i> , 2007 , 244, 745-54	20.5	127
202	Predictors of outcome in patients with severe aortic stenosis and normal left ventricular function: role of B-type natriuretic peptide. <i>European Heart Journal</i> , 2004 , 25, 2048-53	9.5	127
201	Histological Validation of measurement of diffuse interstitial myocardial fibrosis by myocardial extravascular volume fraction from Modified Look-Locker imaging (MOLLI) T1 mapping at 3T. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015 , 17, 48	6.9	123
200	Repair of regurgitant bicuspid aortic valves: a systematic approach. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2010 , 140, 276-284.e1	1.5	122
199	Analysis of regional left ventricular function by cineventriculography, cardiac magnetic resonance imaging, and unenhanced and contrast-enhanced echocardiography: a multicenter comparison of methods. <i>Journal of the American College of Cardiology</i> , 2006 , 47, 121-8	15.1	121
198	Time course of functional recovery after coronary artery bypass graft surgery in patients with chronic left ventricular ischemic dysfunction. <i>American Journal of Cardiology</i> , 2000 , 85, 1432-9	3	118
197	Assessment of the physiologic significance of coronary disease with dipyridamole real-time myocardial contrast echocardiography. Comparison with technetium-99m sestamibi single-photon emission computed tomography and quantitative coronary angiography. <i>Journal of the American College of Cardiology</i> , 2004 , 43, 257-64	15.1	116
196	Head-to-head comparison of three-dimensional navigator-gated magnetic resonance imaging and 16-slice computed tomography to detect coronary artery stenosis in patients. <i>Journal of the American College of Cardiology</i> , 2005 , 46, 92-100	15.1	115
195	Analysis of left ventricular volumes and function: a multicenter comparison of cardiac magnetic resonance imaging, cine ventriculography, and unenhanced and contrast-enhanced two-dimensional and three-dimensional echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2014 , 27, 292-301	5.8	110
194	AMPK activation restores the stimulation of glucose uptake in an in vitro model of insulin-resistant cardiomyocytes via the activation of protein kinase B. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H239-50	5.2	109
193	AMPK activation counteracts cardiac hypertrophy by reducing O-GlcNAcylation. <i>Nature Communications</i> , 2018 , 9, 374	17.4	108
192	Accuracy and feasibility of contrast echocardiography for detection of perfusion defects in routine practice: comparison with wall motion and technetium-99m sestamibi single-photon emission computed tomography. The Nycomed NC100100 Investigators. <i>Journal of the American College of Cardiology</i> , 1998 , 32, 1268-9	15.1	108
191	Insulin antagonizes AMP-activated protein kinase activation by ischemia or anoxia in rat hearts, without affecting total adenine nucleotides. <i>FEBS Letters</i> , 2001 , 505, 348-52	3.8	105
190	Myocardial ischemia and increased heart work modulate the phosphorylation state of eukaryotic elongation factor-2. <i>Journal of Biological Chemistry</i> , 2003 , 278, 41970-6	5.4	103
189	Evaluation of the microcirculation in hypertension and cardiovascular disease. <i>European Heart Journal</i> , 2007 , 28, 2834-40	9.5	98
188	Assessment of subendocardial vs. subepicardial left ventricular rotation and twist using two-dimensional speckle tracking echocardiography: comparison with tagged cardiac magnetic resonance. <i>European Heart Journal</i> , 2009 , 30, 608-17	9.5	92

187	Long-term survival in asymptomatic patients with severe degenerative mitral regurgitation: a propensity score-based comparison between an early surgical strategy and a conservative treatment approach. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009 , 138, 1339-48	1.5	92
186	Noninvasive estimation of pulmonary arterial wedge pressure with Doppler transmitral flow velocity pattern in patients with known heart disease. <i>American Journal of Cardiology</i> , 1995 , 75, 383-9	3	92
185	Accurate estimation of global and regional cardiac function by retrospectively gated multidetector row computed tomography: comparison with cine magnetic resonance imaging. <i>European Radiology</i> , 2006 , 16, 1424-33	8	91
184	Protection against ischemic injury by nonvasoactive concentrations of nitric oxide synthase inhibitors in the perfused rabbit heart. <i>Circulation</i> , 1995 , 92, 1911-8	16.7	90
183	AMPK activation by glucagon-like peptide-1 prevents NADPH oxidase activation induced by hyperglycemia in adult cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 307, H1120-33	5.2	85
182	Why do patients with ischemic cardiomyopathy and a substantial amount of viable myocardium not always recover in function after revascularization?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2004 , 127, 385-90	1.5	84
181	How accurate is dobutamine stress electrocardiography for detection of coronary artery disease? Comparison with two-dimensional echocardiography and technetium-99m methoxyl isobutyl isonitrile (mibi) perfusion scintigraphy. <i>Journal of the American College of Cardiology</i> , 1994 , 24, 920-7	15.1	84
180	NADPH oxidase activation by hyperglycaemia in cardiomyocytes is independent of glucose metabolism but requires SGLT1. <i>Cardiovascular Research</i> , 2011 , 92, 237-46	9.9	83
179	Chronic ischemic viable myocardium in man: Aspects of dedifferentiation. <i>Cardiovascular Pathology</i> , 1995 , 4, 29-37	3.8	83
178	Risk of valve-related events after aortic valve repair. <i>Annals of Thoracic Surgery</i> , 2013 , 95, 606-12; discussion 613	2.7	79
177	Contribution of exercise-induced mitral regurgitation to exercise stroke volume and exercise capacity in patients with left ventricular systolic dysfunction. <i>Circulation</i> , 2002 , 106, 1342-8	16.7	79
176	Myocardial perfusion assessment in patients with medium probability of coronary artery disease and no prior myocardial infarction: comparison of myocardial contrast echocardiography with 99mTc single-photon emission computed tomography. <i>American Heart Journal</i> , 2004 , 147, 1100-5	4.9	73
175	Imaging in the management of ischemic cardiomyopathy: special focus on magnetic resonance. <i>Journal of the American College of Cardiology</i> , 2012 , 59, 359-70	15.1	72
174	Role of the alpha2-isoform of AMP-activated protein kinase in the metabolic response of the heart to no-flow ischemia. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H2875-83	5.3	71
173	Myocardial contrast echocardiography for the detection of coronary artery stenosis: a prospective multicenter study in comparison with single-photon emission computed tomography. <i>Journal of the American College of Cardiology</i> , 2006 , 47, 141-5	15.1	71
172	Effect of annulus dimension and annuloplasty on bicuspid aortic valve repair. <i>European Journal of Cardio-thoracic Surgery</i> , 2013 , 44, 316-22; discussion 322-3	3	67
171	AMP-activated protein kinase in the control of cardiac metabolism and remodeling. <i>Current Heart Failure Reports</i> , 2012 , 9, 164-73	2.8	67
170	Positron emission tomography using (18)F-fluoro-deoxyglucose and euglycaemic hyperinsulinaemic glucose clamp: optimal criteria for the prediction of recovery of post-ischaemic left ventricular dysfunction. Results from the European Community Concerted Action Multicenter study on use of (18)F-fluoro-deoxyglucose Positron Emission Tomography for the Detection of Myocardial Viability. <i>European Heart Journal</i> , 2001 , 22, 1691-701	9.5	67

169	Relation of exercise capacity to left ventricular systolic function and diastolic filling in idiopathic or ischemic dilated cardiomyopathy. <i>American Journal of Cardiology</i> , 1999 , 83, 728-34	3	67
168	The role of annular dimension and annuloplasty in tricuspid aortic valve repair. <i>European Journal of Cardio-thoracic Surgery</i> , 2016 , 49, 428-37; discussion 437-8	3	62
167	EAE/ASE recommendations for the use of echocardiography in new transcatheter interventions for valvular heart disease. <i>European Journal of Echocardiography</i> , 2011 , 12, 557-84		62
166	Natural history of paradoxical low-gradient severe aortic stenosis. <i>Circulation: Cardiovascular Imaging</i> , 2014 , 7, 714-22	3.9	61
165	Age and sex corrected normal reference values of T1, T2, T2* and ECV in healthy subjects at 3T CMR. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017 , 19, 72	6.9	60
164	Repair of bicuspid aortic valves in patients with aortic regurgitation. <i>Circulation</i> , 2006 , 114, 1610-6	16.7	60
163	Reconstructive surgery in active mitral valve endocarditis: feasibility, safety and durability. <i>European Journal of Cardio-thoracic Surgery</i> , 2007 , 31, 592-9	3	59
162	Improved identification of coronary artery disease in patients with left bundle branch block by use of dobutamine stress echocardiography and comparison with myocardial perfusion tomography. <i>American Journal of Cardiology</i> , 1995 , 76, 321-5	3	59
161	Valve repair improves the outcome of surgery for chronic severe aortic regurgitation: a propensity score analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 148, 1913-20	1.5	57
160	No-flow ischemia inhibits insulin signaling in heart by decreasing intracellular pH. <i>Circulation Research</i> , 2001 , 88, 513-9	15.7	56
159	Eligibility for renal denervation: experience at 11 European expert centers. <i>Hypertension</i> , 2014 , 63, 1319-25	2.5	55
158	Evaluation of anatomic valve opening and leaflet morphology in aortic valve bioprosthesis by using multidetector CT: comparison with transthoracic echocardiography. <i>Radiology</i> , 2010 , 255, 377-85	20.5	55
157	Repair of aortic valve prolapse: experience with 44 patients. <i>European Journal of Cardio-thoracic Surgery</i> , 2004 , 26, 628-33	3	55
156	Effects of preoperative aortic insufficiency on outcome after aortic valve-sparing surgery. <i>Circulation</i> , 2009 , 120, S120-6	16.7	53
155	Combined coronary and late-enhanced multidetector-computed tomography for delineation of the etiology of left ventricular dysfunction: comparison with coronary angiography and contrast-enhanced cardiac magnetic resonance imaging. <i>European Heart Journal</i> , 2008 , 29, 2544-51	9.5	53
154	Myocardial delivery of colloid nanoparticles using ultrasound-targeted microbubble destruction. <i>European Heart Journal</i> , 2006 , 27, 237-45	9.5	53
153	Cardiomyocyte remodelling during myocardial hibernation and atrial fibrillation: prelude to apoptosis. <i>Cardiovascular Research</i> , 1999 , 43, 947-57	9.9	53
152	AMPK α 2 counteracts the development of cardiac hypertrophy induced by isoproterenol. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 376, 677-81	3.4	52

151	Comparison of transthoracic echocardiography with second harmonic imaging with transesophageal echocardiography in the detection of right to left shunts. <i>American Journal of Cardiology</i> , 2000 , 86, 1284-7, A9	3	52
150	Cusp prolapse repair in trileaflet aortic valves: free margin plication and free margin resuspension techniques. <i>Annals of Thoracic Surgery</i> , 2009 , 88, 455-61; discussion 461	2.7	51
149	Expression of inducible nitric oxide synthase in human coronary atherosclerotic plaque. <i>Cardiovascular Research</i> , 1999 , 41, 465-72	9.9	48
148	Associations and prognostic significance of diffuse myocardial fibrosis by cardiovascular magnetic resonance in heart failure with preserved ejection fraction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2018 , 20, 55	6.9	47
147	Severe delayed heart failure in three multiple sclerosis patients previously treated with mitoxantrone. <i>Journal of Neurology</i> , 2005 , 252, 1217-22	5.5	47
146	Myocardial perfusion and oxygen consumption in reperfused noninfarcted dysfunctional myocardium after unstable angina: direct evidence for myocardial stunning in humans. <i>Journal of the American College of Cardiology</i> , 1999 , 34, 1939-46	15.1	47
145	Activation of the cardiac mTOR/p70(S6K) pathway by leucine requires PDK1 and correlates with PRAS40 phosphorylation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010 , 298, E761-9	6	46
144	Reduced scar maturation and contractility lead to exaggerated left ventricular dilation after myocardial infarction in mice lacking AMPK β . <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 74, 32-43	5.8	44
143	Inhibition of the mTOR/p70S6K pathway is not involved in the insulin-sensitizing effect of AMPK on cardiac glucose uptake. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2011 , 301, H469-77	5.2	44
142	Comparison of dipyridamole stress echocardiography and perfusion scintigraphy for cardiac risk stratification in vascular surgery patients. <i>American Journal of Cardiology</i> , 1998 , 82, 1468-74	3	44
141	Sodium-myoinositol cotransporter-1, SMIT1, mediates the production of reactive oxygen species induced by hyperglycemia in the heart. <i>Scientific Reports</i> , 2017 , 7, 41166	4.9	43
140	Usefulness of B-type natriuretic peptide to predict outcome of patients treated by transcatheter aortic valve implantation. <i>American Journal of Cardiology</i> , 2010 , 106, 1782-6	3	43
139	Serial evaluation of perfusion defects in patients with a first acute myocardial infarction referred for primary PTCA using intravenous myocardial contrast echocardiography. <i>European Heart Journal</i> , 2001 , 22, 1485-95	9.5	43
138	Aortic valve area, stroke volume, left ventricular hypertrophy, remodeling, and fibrosis in aortic stenosis assessed by cardiac magnetic resonance imaging: comparison between high and low gradient and normal and low flow aortic stenosis. <i>Circulation: Cardiovascular Imaging</i> , 2013 , 6, 1009-17	3.9	42
137	Coronary artery stenosis: direct comparison of four-section multi-detector row CT and 3D navigator MR imaging for detection--initial results. <i>Radiology</i> , 2005 , 234, 98-108	20.5	42
136	A-769662 potentiates the effect of other AMP-activated protein kinase activators on cardiac glucose uptake. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 306, H1619-30	5.2	41
135	Relation of ultrasonic tissue characterization with integrated backscatter to contractile reserve in chronic left ventricular ischemic dysfunction. <i>American Journal of Cardiology</i> , 1998 , 81, 68-74	3	41
134	Quantification of myocardial blood flow and assessment of its transmural distribution with real-time power modulation myocardial contrast echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2003 , 16, 263-70	5.8	41

133	Assessment and repair of aortic valve cusp prolapse: implications for valve-sparing procedures. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011 , 141, 917-25	1.5	40
132	Predictive value of markers of myocardial reperfusion in acute myocardial infarction for follow-up left ventricular function. <i>American Journal of Cardiology</i> , 2001 , 88, 1358-63	3	40
131	Transesophageal echocardiographic evaluation during aortic valve repair surgery. <i>Anesthesia and Analgesia</i> , 2010 , 111, 59-70	3.9	39
130	Relationship Between Left Ventricular Ejection Fraction and Mortality in Asymptomatic and Minimally Symptomatic Patients With Severe Aortic Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 38-48	8.4	39
129	Correlation of functional recovery with myocardial blood flow, glucose uptake, and morphologic features in patients with chronic left ventricular ischemic dysfunction undergoing coronary artery bypass grafting. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1997 , 113, 371-8	1.5	38
128	Comparison between adenoviral and retroviral vectors for the transduction of the thymidine kinase PET reporter gene in rat mesenchymal stem cells. <i>Journal of Nuclear Medicine</i> , 2008 , 49, 1836-44	8.9	38
127	Direct comparison of whole-heart navigator-gated magnetic resonance coronary angiography and 40- and 64-slice multidetector row computed tomography to detect the coronary artery stenosis in patients scheduled for conventional coronary angiography. <i>Circulation: Cardiovascular Imaging</i> , 2008 , 1, 114-21	3.9	38
126	A randomized trial on the optimization of 18F-FDG myocardial uptake suppression: implications for vulnerable coronary plaque imaging. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 1629-35	8.9	37
125	Connection between cardiac vascular permeability, myocardial edema, and inflammation during sepsis: role of the AMP-activated protein kinase isoform. <i>Critical Care Medicine</i> , 2013 , 41, e411-22	1.4	37
124	Incidence, determinants, and prognostic impact of operative refusal or denial in octogenarians with severe aortic stenosis. <i>Annals of Thoracic Surgery</i> , 2011 , 91, 1107-12	2.7	37
123	Magnetic resonance imaging evaluation of cerebral embolization during percutaneous aortic valve implantation: comparison of transfemoral and trans-apical approaches using Edwards Sapiens valve. <i>European Journal of Cardio-thoracic Surgery</i> , 2011 , 40, 475-9	3	36
122	Chronic ischemic left ventricular dysfunction: from pathophysiology to imaging and its integration into clinical practice. <i>JACC: Cardiovascular Imaging</i> , 2008 , 1, 536-55	8.4	36
121	The stimulation of heart glycolysis by increased workload does not require AMP-activated protein kinase but a wortmannin-sensitive mechanism. <i>FEBS Letters</i> , 2002 , 531, 324-8	3.8	36
120	Release of cardiac bio-markers during high mechanical index contrast-enhanced echocardiography in humans. <i>European Heart Journal</i> , 2007 , 28, 1236-41	9.5	35
119	Extending the scope of mitral valve repair in rheumatic disease. <i>Annals of Thoracic Surgery</i> , 2009 , 87, 1735-40	2.7	34
118	Long-term mortality associated with left ventricular dysfunction in mitral regurgitation due to flail leaflets: a multicenter analysis. <i>Circulation: Cardiovascular Imaging</i> , 2014 , 7, 363-70	3.9	33
117	Role of AMP-activated protein kinase in regulating hypoxic survival and proliferation of mesenchymal stem cells. <i>Cardiovascular Research</i> , 2014 , 101, 20-9	9.9	32
116	Impact of preoperative symptoms on postoperative survival in severe aortic stenosis: implications for the timing of surgery. <i>Annals of Thoracic Surgery</i> , 2014 , 97, 803-9	2.7	32

115	Diagnostic accuracy of 16-slice multidetector-row CT for detection of in-stent restenosis vs detection of stenosis in nonstented coronary arteries. <i>European Radiology</i> , 2007 , 17, 87-96	8	30
114	Association of B-Type Natriuretic Peptide With Survival in Patients With Degenerative Mitral Regurgitation. <i>Journal of the American College of Cardiology</i> , 2016 , 68, 1297-307	15.1	30
113	Impact of left ventricular outflow tract ellipticity on the grading of aortic stenosis in patients with normal ejection fraction. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017 , 19, 37	6.9	29
112	Do Guideline-Based Indications Result in an Outcome Penalty for Patients With Severe Aortic Regurgitation?. <i>JACC: Cardiovascular Imaging</i> , 2019 , 12, 2126-2138	8.4	29
111	Hemodynamic and volume correlates of left ventricular diastolic relaxation and filling in patients with aortic stenosis. <i>Journal of the American College of Cardiology</i> , 1992 , 20, 813-21	15.1	29
110	Urotensin II induction of adult cardiomyocytes hypertrophy involves the Akt/GSK-3beta signaling pathway. <i>Peptides</i> , 2010 , 31, 1326-33	3.8	28
109	Transcatheter Sapien valve implantation in a native tricuspid valve after failed surgical repair. <i>Catheterization and Cardiovascular Interventions</i> , 2014 , 83, 841-5	2.7	27
108	The Ca(2+) /calmodulin-dependent kinase kinase β -AMP-activated protein kinase- β pathway regulates phosphorylation of cytoskeletal targets in thrombin-stimulated human platelets. <i>Journal of Thrombosis and Haemostasis</i> , 2014 , 12, 973-86	15.4	27
107	The prevalence of cardiac dysfunction and the correlation with poor functioning among the very elderly. <i>International Journal of Cardiology</i> , 2012 , 155, 134-43	3.2	27
106	Intravenous myocardial contrast echocardiography predicts left ventricular remodeling in patients with acute myocardial infarction. <i>Journal of the American Society of Echocardiography</i> , 2002 , 15, 849-56	5.8	27
105	Hypothermic continuous machine perfusion enables preservation of energy charge and functional recovery of heart grafts in an ex vivo model of donation following circulatory death. <i>European Journal of Cardio-thoracic Surgery</i> , 2016 , 49, 1348-53	3	26
104	Intermediate follow-up results from the multicenter engager European pivotal trial. <i>Annals of Thoracic Surgery</i> , 2013 , 96, 2095-100	2.7	26
103	Iron overload in polytransfused patients without heart failure is associated with subclinical alterations of systolic left ventricular function using cardiovascular magnetic resonance tagging. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2011 , 13, 23	6.9	26
102	Long-term follow-up of DDD and VDD pacing: a prospective non-randomized single-centre comparison of patients with symptomatic atrioventricular block. <i>Europace</i> , 2012 , 14, 496-501	3.9	26
101	Is postsystolic shortening a marker of viability in chronic left ventricular ischemic dysfunction? Comparison with late enhancement contrast magnetic resonance imaging. <i>Journal of the American Society of Echocardiography</i> , 2008 , 21, 452-7	5.8	26
100	Accuracy of the flow convergence method for quantification of aortic regurgitation in patients with central versus eccentric jets. <i>American Journal of Cardiology</i> , 2008 , 102, 475-80	3	25
99	Long-Term Implications of Atrial Fibrillation in Patients With Degenerative Mitral Regurgitation. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 264-274	15.1	24
98	The pathophysiology of myocardial hibernation: current controversies and future directions. <i>Progress in Cardiovascular Diseases</i> , 2001 , 43, 387-98	8.5	24

97	The MIDA Mortality Risk Score: development and external validation of a prognostic model for early and late death in degenerative mitral regurgitation. <i>European Heart Journal</i> , 2018 , 39, 1281-1291	9.5	22
96	Detection and quantification of myocardial scars by contrast-enhanced 3D echocardiography. <i>Circulation: Cardiovascular Imaging</i> , 2010 , 3, 415-23	3.9	22
95	Long-term clinical outcome of mitral valve repair in asymptomatic severe mitral regurgitation. <i>European Journal of Cardio-thoracic Surgery</i> , 2009 , 36, 539-45	3	22
94	Comprehensive assessment of the severity and mechanism of aortic regurgitation using multidetector CT and MR. <i>European Radiology</i> , 2010 , 20, 326-36	8	22
93	Risk stratification in patients with dilated cardiomyopathy: contribution of Doppler-derived left ventricular filling. <i>American Journal of Cardiology</i> , 1998 , 82, 779-85	3	22
92	Usefulness of 40-slice multidetector row computed tomography to detect coronary disease in patients prior to cardiac valve surgery. <i>European Radiology</i> , 2007 , 17, 3199-207	8	22
91	Incidence of recovery of contractile function following revascularization in patients with ischemic left ventricular dysfunction. <i>American Journal of Cardiology</i> , 2004 , 93, 14-7	3	22
90	Aortic valve replacement with allograft/autograft: subcoronary versus intraluminal cylinder or root. <i>Annals of Thoracic Surgery</i> , 1995 , 60, S78-82	2.7	22
89	Fibroblast growth factor 23: a biomarker of fibrosis and prognosis in heart failure with preserved ejection fraction. <i>ESC Heart Failure</i> , 2020 , 7, 2494-2507	3.7	21
88	Images and case reports in interventional cardiology. Thrombotic aortic restenosis after transapical Sapien valve implantation. <i>Circulation: Cardiovascular Interventions</i> , 2010 , 3, 289-92	6	21
87	The clinical impact of valvular heart disease in a population-based cohort of subjects aged 80 and older. <i>BMC Cardiovascular Disorders</i> , 2016 , 16, 7	2.3	20
86	Mid-term results of a randomized trial of tricuspid annuloplasty for less-than-severe functional tricuspid regurgitation at the time of mitral valve surgery. <i>European Journal of Cardio-thoracic Surgery</i> , 2019 , 55, 851-858	3	20
85	Metabolism and acetylation contribute to leucine-mediated inhibition of cardiac glucose uptake. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017 , 313, H432-H445	5.2	19
84	The Ross operation: mid-term results. <i>Annals of Thoracic Surgery</i> , 1999 , 67, 1355-8	2.7	19
83	Asynchronous (segmental early) relaxation impairs left ventricular filling in patients with coronary artery disease and normal systolic function. <i>Journal of the American College of Cardiology</i> , 1991 , 18, 1251-8	15.1	19
82	Progression of Low-Gradient, Low-Flow, Severe Aortic Stenosis With Preserved Left Ventricular Ejection Fraction. <i>American Journal of Cardiology</i> , 2015 , 116, 612-7	3	18
81	Myocardial microangiopathy associated with antiphospholipid antibodies. <i>Lupus</i> , 2001 , 10, 123-5	2.6	18
80	Inhibition of aquaporin-1 prevents myocardial remodeling by blocking the transmembrane transport of hydrogen peroxide. <i>Science Translational Medicine</i> , 2020 , 12,	17.5	18

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