

Jean-Louis Vanoverschelde

List of Publications by Year in Descending Order

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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.

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	Association of transcatheter edge-to-edge repair with improved survival in older patients with severe, symptomatic degenerative mitral regurgitation.. <i>European Heart Journal</i> , 2022 ,	9.5	3
221	Heart failure with preserved ejection fraction in Belgium: characteristics and outcome of a real-life cohort. <i>Acta Cardiologica</i> , 2021 , 76, 697-706	0.9	2
220	Test-retest reliability of left and right ventricular systolic function by new and conventional echocardiographic and cardiac magnetic resonance parameters. <i>European Heart Journal Cardiovascular Imaging</i> , 2021 , 22, 1157-1167	4.1	6
219	Diagnostic and Prognostic Accuracy of Aortic Valve Calcium Scoring in Patients With Moderate-to-Severe Aortic Stenosis. <i>Frontiers in Cardiovascular Medicine</i> , 2021 , 8, 673519	5.4	0
218	Structural and Functional Correlates of Gradient-Area Patterns in Severe Aortic Stenosis and Normal Ejection Fraction. <i>JACC: Cardiovascular Imaging</i> , 2021 , 14, 525-536	8.4	1
217	Diabetic phenotype and prognosis of patients with heart failure and preserved ejection fraction in a real life cohort. <i>Cardiovascular Diabetology</i> , 2021 , 20, 48	8.7	8
216	Myocardial Contraction Fraction for Risk Stratification in Low-Gradient Aortic Stenosis With Preserved Ejection Fraction. <i>Circulation: Cardiovascular Imaging</i> , 2021 , 14, e012257	3.9	0
215	Right Ventricular Global Longitudinal Strain and Outcomes in Heart Failure with Preserved Ejection Fraction. <i>Journal of the American Society of Echocardiography</i> , 2020 , 33, 973-984.e2	5.8	14
214	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
213	Validation of Semiautomated Quantification of Mitral Valve Regurgitation by Three-Dimensional Color Doppler Transesophageal Echocardiography. <i>Journal of the American Society of Echocardiography</i> , 2020 , 33, 342-354	5.8	7
212	Progression of Normal Flow Low Gradient "Severe" Aortic Stenosis With Preserved Left Ventricular Ejection Fraction. <i>American Journal of Cardiology</i> , 2020 , 128, 151-158	3	1
211	Natural History of Asymptomatic Severe Aortic Stenosis and the Association of Early Intervention With Outcomes: A Systematic Review and Meta-analysis. <i>JAMA Cardiology</i> , 2020 , 5, 1102-1112	16.2	12
210	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
209	Severe Aortic Stenosis and Chronic Kidney Disease: Outcomes and Impact of Aortic Valve Replacement. <i>Journal of the American Heart Association</i> , 2020 , 9, e017190	6	4
208	Reply to Tourmousoglou. <i>European Journal of Cardio-thoracic Surgery</i> , 2020 , 57, 203-204	3	
207	Relative Contribution of Afterload and Interstitial Fibrosis to Myocardial Function in Severe Aortic Stenosis. <i>JACC: Cardiovascular Imaging</i> , 2020 , 13, 589-600	8.4	8
206	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

205	Platelet Acetyl-CoA Carboxylase Phosphorylation: A Risk Stratification Marker That Reveals Platelet-Lipid Interplay in Coronary Artery Disease Patients. <i>JACC Basic To Translational Science</i> , 2019 , 4, 596-610	8.7	4
204	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
203	Aortic Valve Surgery in Nonelderly Patients: Insights Gained From AVIATOR. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2019 , 31, 643-649	1.7	4
202	Surgical Repair of the Bicuspid Aortic Valve: Predictors of Failure 2019 , 631-642		
201	AVIATOR: An open international registry to evaluate medical and surgical outcomes of aortic valve insufficiency and ascending aorta aneurysm. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019 , 157, 2202-2211.e7	1.5	13
200	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
199	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
198	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
197	AMPK activation counteracts cardiac hypertrophy by reducing O-GlcNAcylation. <i>Nature Communications</i> , 2018 , 9, 374	17.4	108
196	Improvements of Myocardial Deformation Assessment by Three-Dimensional Speckle-Tracking versus Two-Dimensional Speckle-Tracking Revealed by Cardiac Magnetic Resonance Tagging. <i>Journal of the American Society of Echocardiography</i> , 2018 , 31, 1021-1033.e1	5.8	10
195	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
194	Asymptomatic Severe Aortic Stenosis With Preserved Ejection Fraction: Early Surgery Versus Conservative Management. <i>Journal of the American College of Cardiology</i> , 2018 , 72, 2938-2939	15.1	17
193	A Belgian consensus strategy to identify familial hypercholesterolaemia in the coronary care unit and its subsequent cascade screening and treatment: BEL-FaHST (The BELgium Familial Hypercholesterolaemia STRategy). <i>Atherosclerosis</i> , 2018 , 277, 369-376	3.1	4
192	Pulmonary hypertension due to left heart disease: diagnostic and prognostic value of CT in chronic systolic heart failure. <i>European Radiology</i> , 2018 , 28, 4643-4653	8	11
191	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
190	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
189	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
188	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

187	Assessment of aortic valve calcium load by multidetector computed tomography. Anatomical validation, impact of scanner settings and incremental diagnostic value. <i>Journal of Cardiovascular Computed Tomography</i> , 2017 , 11, 360-366	2.8	12
186	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
185	Diagnostic rules and algorithms for the diagnosis of non-acute heart failure in patients 80 years of age and older: a diagnostic accuracy and validation study. <i>BMJ Open</i> , 2016 , 6, e012888	3	3
184	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
183	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
182	Right Ventricular Systolic Dysfunction Assessed by Cardiac Magnetic Resonance Is a Strong Predictor of Cardiovascular Death After Coronary Bypass Grafting. <i>Annals of Thoracic Surgery</i> , 2016 , 101, 2176-84	2.7	16
181	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
180	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
179	General practitioners' judgement of chronic heart failure in the oldest old: Insights from the BELFRAIL study. <i>International Journal of Cardiology</i> , 2015 , 191, 120-7	3.2	6
178	Repair or replace the aortic valve: the weight of evidence. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015 , 149, 1222-3	1.5	
177	Prevalence and Prognostic Impact of Valve Area-Gradient Patterns in Patients 80 Years With Moderate-to-Severe Aortic Stenosis (from the Prospective BELFRAIL Study). <i>American Journal of Cardiology</i> , 2015 , 116, 925-32	3	12
176	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
175	Early surgical intervention versus watchful waiting and outcomes for asymptomatic severe aortic regurgitation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015 , 150, 1100-8	1.5	9
174	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
173	Hypothermic continuous machine perfusion improves metabolic preservation and functional recovery in heart grafts. <i>Transplant International</i> , 2015 , 28, 224-31	3	14
172	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
171	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
170	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

169	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
168	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, 222-231	5.8	110
167	Usefulness of tissue Doppler imaging to evaluate pulmonary capillary wedge pressure during exercise in patients with reduced left ventricular ejection fraction. <i>American Journal of Cardiology</i> , 2014 , 113, 2036-44	3	15
166	Efficacy and safety of biodegradable polymer biolimus A9-eluting stent versus durable polymer everolimus-eluting stent in diabetic patients: a prospective non-randomized single-centre long-term comparison. <i>Acta Cardiologica</i> , 2014 , 69, 523-31	0.9	3
165	Eligibility for renal denervation: experience at 11 European expert centers. <i>Hypertension</i> , 2014 , 63, 1319-25	2.5	55
164	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
163	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
162	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
161	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
160	A randomized trial on the optimization of ¹⁸ F-FDG myocardial uptake suppression: implications for vulnerable coronary plaque imaging. <i>Journal of Nuclear Medicine</i> , 2014 , 55, 1629-35	8.9	37
159	Natural history of paradoxical low-gradient severe aortic stenosis. <i>Circulation: Cardiovascular Imaging</i> , 2014 , 7, 714-22	3.9	61
158	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
157	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
156	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
155	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
154	Differential regulation of eEF2 and p70S6K by AMPK α 2 in heart. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013 , 1832, 780-90	6.9	15
153	Intermediate follow-up results from the multicenter engager European pivotal trial. <i>Annals of Thoracic Surgery</i> , 2013 , 96, 2095-100	2.7	26
152	Value of adding natriuretic peptides and electrocardiographic findings to assess the presence of cardiac dysfunction in patients 80 years of age. <i>American Journal of Cardiology</i> , 2013 , 111, 1198-208	3	3

151	Risk of valve-related events after aortic valve repair. <i>Annals of Thoracic Surgery</i> , 2013 , 95, 606-12; discussion 613	2.7	79
150	Cardiopietic stem cell therapy in heart failure: the C-CURE (Cardiopietic 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
149	Post-infarct myocardial scar imaging in patients with ICD. <i>European Heart Journal Cardiovascular Imaging</i> , 2013 , 14, 89	4.1	
148	Occupational exposure to cobalt is not associated with incipient signs of dilated cardiomyopathy in a Belgian refinery. <i>Occupational and Environmental Medicine</i> , 2013 , 70, 386-92	2.1	6
147	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
146	Connection between cardiac vascular permeability, myocardial edema, and inflammation during sepsis: role of the β -AMP-activated protein kinase isoform. <i>Critical Care Medicine</i> , 2013 , 41, e411-22	1.4	37
145	The role of echocardiography in aortic valve repair. <i>Annals of Cardiothoracic Surgery</i> , 2013 , 2, 65-72	4.7	14
144	Cerebral embolization during percutaneous valve implantation does not occur during balloon inflation valvuloplasty: prospective diffusion-weighted brain MRI study. <i>Journal of Heart Valve Disease</i> , 2013 , 22, 79-84		6
143	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
142	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
141	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
140	The impact of confounders on the test performance of natriuretic peptides for cardiac dysfunction in subjects aged 80 and older. <i>Peptides</i> , 2012 , 38, 118-26	3.8	7
139	Myocardial infarct size quantification in mice by SPECT using a novel algorithm independent of a normal perfusion database. <i>EJNMMI Research</i> , 2012 , 2, 64	3.6	2
138	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
137	Urocortin-induced cardiomyocytes hypertrophy is associated with regulation of the GSK-3 β pathway. <i>Heart and Vessels</i> , 2012 , 27, 202-7	2.1	12
136	Echinococcosis of the heart and ascending aorta. <i>Circulation</i> , 2012 , 125, 185-7	16.7	6
135	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
134	AMP-activated protein kinase activation is associated with an inhibition of fibrotic properties of cardiac fibroblasts. <i>FASEB Journal</i> , 2012 , 26, 1059.15	0.9	

133	Imaging the vulnerable plaque. <i>Journal of the American College of Cardiology</i> , 2011 , 57, 1961-79	15.1	127
132	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
131	Effects of granulocyte-colony-stimulating factor on progenitor cell mobilization and heart perfusion and function in normal mice. <i>Cytotherapy</i> , 2011 , 13, 237-47	4.8	8
130	Left atrial appendage occlusion and pulmonary vein isolation: interest of non-invasive imaging. <i>Acta Cardiologica</i> , 2011 , 66, 653-6	0.9	2
129	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
128	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
127	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
126	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
125	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
124	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
123	Myocardial ischaemia and viability: the pivotal role of echocardiography. <i>European Heart Journal</i> , 2011 , 32, 810-9	9.5	15
122	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
121	Aortic valve repair with ascending aortic aneurysms: associated lesions and adjunctive techniques. <i>European Journal of Cardio-thoracic Surgery</i> , 2011 , 40, 424-8	3	7
120	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
119	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
118	Transesophageal echocardiographic evaluation during aortic valve repair surgery. <i>Anesthesia and Analgesia</i> , 2010 , 111, 59-70	3.9	39
117	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
116	Detection and quantification of myocardial scars by contrast-enhanced 3D echocardiography. <i>Circulation: Cardiovascular Imaging</i> , 2010 , 3, 415-23	3.9	22

115	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
114	"Ring pledget": a new concept for secure apex closure during transapical aortic valve implantation. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2010 , 5, 136-7	1.5	5
113	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
112	Relationship between transmural extent of necrosis and quantitative recovery of regional strains after revascularization. <i>JACC: Cardiovascular Imaging</i> , 2010 , 3, 720-30	8.4	17
111	Transoesophageal echocardiography after several transient ischaemic attacks. <i>Archives of Cardiovascular Diseases</i> , 2010 , 103, 346-7	2.7	1
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	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
108	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
107	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
106	Chronic Ischemic Mitral Regurgitation 2010 , 43-51		1
105	Chronic Mitral Regurgitation 2010 , 31-42		
104	Bing Pledget: A New Concept for Secure Apex Closure during Transapical Aortic Valve Implantation. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2010 , 5, 136-137	1.5	
103	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
102	Effects of preoperative aortic insufficiency on outcome after aortic valve-sparing surgery. <i>Circulation</i> , 2009 , 120, S120-6	16.7	53
101	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
100	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
99	Myocardial injury induced by ultrasound-targeted microbubble destruction: evidence for the contribution of myocardial ischemia. <i>Ultrasound in Medicine and Biology</i> , 2009 , 35, 672-9	3.5	16
98	Extending the scope of mitral valve repair in rheumatic disease. <i>Annals of Thoracic Surgery</i> , 2009 , 87, 1735-40	2.7	34

97	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
96	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
95	Contrast echocardiography: evidence-based recommendations by European Association of Echocardiography. <i>European Journal of Echocardiography</i> , 2009 , 10, 194-212		233
94	Belgian Society of Cardiology position paper on heart centres in Belgium. <i>Acta Cardiologica</i> , 2009 , 64, 537-9	0.9	
93	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
92	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
91	Clinical value of exercise Doppler echocardiography in patients with cardiac-valvular disease. <i>Archives of Cardiovascular Diseases</i> , 2008 , 101, 351-60	2.7	10
90	Insulin signalling in the heart. <i>Cardiovascular Research</i> , 2008 , 79, 238-48	9.9	183
89	AMPKalpha2 counteracts the development of cardiac hypertrophy induced by isoproterenol. <i>Biochemical and Biophysical Research Communications</i> , 2008 , 376, 677-81	3.4	52
88	Coronary in-stent restenosis in diabetic patients after implantation of sirolimus or paclitaxel drug-eluting coronary stents. <i>Diabetes and Metabolism</i> , 2008 , 34, 62-7	5.4	6
87	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
86	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
85	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
84	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
83	Flow-function relationships in chronic left-ventricular ischemic dysfunction: Impact of the transmural extent of infarction. <i>Journal of Nuclear Cardiology</i> , 2008 , 15, 363-74	2.1	2
82	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
81	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
80	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

79	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
78	Evaluation of the microcirculation in hypertension and cardiovascular disease. <i>European Heart Journal</i> , 2007 , 28, 2834-40	9.5	98
77	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
76	Successful repair of a quadricuspid aortic valve illustrated by transoesophageal echocardiography, 64-slice multidetector computed tomography, and cardiac magnetic resonance. <i>European Heart Journal</i> , 2007 , 28, 2769	9.5	7
75	Erratum to Reconstructive surgery in active mitral valve endocarditis: feasibility, safety and durability [Eur. J. Cardiothorac. Surg. 31 (4) (2007) 592-599]. <i>European Journal of Cardio-thoracic Surgery</i> , 2007 , 32, 557	3	
74	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
73	Analysis of myocardial perfusion or myocardial function for detection of regional myocardial abnormalities. An echocardiographic multicenter comparison study using myocardial contrast echocardiography and 2D echocardiography. <i>European Journal of Echocardiography</i> , 2007 , 8, 438-48		10
72	Abstract 3179: Intraoperative Transoesophageal Echocardiographic Predictors of Recurrent Aortic Regurgitation after Aortic Valve Repair.. <i>Circulation</i> , 2007 , 116,	16.7	3
71	Direct comparison between 2-dimensional and 3-dimensional PET acquisition modes for myocardial blood flow absolute quantification with O-15 water and N-13 ammonia. <i>Journal of Nuclear Cardiology</i> , 2006 , 13, 220-4	2.1	6
70	Repair of bicuspid aortic valves in patients with aortic regurgitation. <i>Circulation</i> , 2006 , 114, 1610-6	16.7	60
69	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
68	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	5.2	71
67	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
66	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
65	Myocardial delivery of colloid nanoparticles using ultrasound-targeted microbubble destruction. <i>European Heart Journal</i> , 2006 , 27, 237-45	9.5	53
64	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
63	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
62	Attenuation-corrected 99mTc-MIBI SPECT in overweight patients with chronic ischaemic dysfunction: a comparison to NH3 PET and implications for the diagnosis of myocardial viability. <i>Nuclear Medicine Communications</i> , 2006 , 27, 815-21	1.6	4

61	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
60	The use of contrast echocardiography: a matter of clinical judgement. <i>European Heart Journal</i> , 2005 , 26, 1565-6; author reply 1566	9.5	2
59	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
58	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
57	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
56	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
55	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
54	Repair of aortic valve prolapse: experience with 44 patients. <i>European Journal of Cardio-thoracic Surgery</i> , 2004 , 26, 628-33	3	55
53	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
52	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
51	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
50	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
49	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
48	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
47	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
46	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
45	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
44	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

43	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
42	Heterogeneity of contrast effect during intermittent second harmonic myocardial contrast echocardiography in healthy patients. <i>Journal of the American Society of Echocardiography</i> , 2002 , 15, 1448-52	5.8	7
41	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
40	The pathophysiology of myocardial hibernation: current controversies and future directions. <i>Progress in Cardiovascular Diseases</i> , 2001 , 43, 387-98	8.5	24
39	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 No-flow ischemia inhibits insulin signaling in heart by decreasing intracellular pH. <i>Circulation Research</i> , 2001 , 88, 513-9	9.5	67
38	Myocardial microangiopathy associated with antiphospholipid antibodies. <i>Lupus</i> , 2001 , 10, 123-5	15.7	56
37	Exaggerated chronotropic and energetic response to dobutamine after orthotopic cardiac transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2001 , 20, 824-32	2.6	18
36	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	5.8	8
35	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	3.8	105
34	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	9.5	43
33	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	118
32	Cardiomyocyte remodelling during myocardial hibernation and atrial fibrillation: prelude to apoptosis. <i>Cardiovascular Research</i> , 1999 , 43, 947-57	3	52
31	NC100100, a new echo contrast agent for the assessment of myocardial perfusion--safety and comparison with technetium-99m sestamibi single-photon emission computed tomography in a randomized multicenter study. <i>Clinical Cardiology</i> , 1999 , 22, 273-82	9.9	53
30	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	3.3	17
29	The Ross operation: mid-term results. <i>Annals of Thoracic Surgery</i> , 1999 , 67, 1355-8	3	67
28	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	2.7	19
27	Expression of inducible nitric oxide synthase in human coronary atherosclerotic plaque. <i>Cardiovascular Research</i> , 1999 , 41, 465-72	15.1	47
26		9.9	48

25	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
24	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
23	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
22	Morphologic alterations of myocardium under conditions of left ventricular assistance. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1998 , 115, 478-9	1.5	6
21	Early calcific stenosis of the aortic sorin pericarbon valve implanted in the elderly. <i>Annals of Thoracic Surgery</i> , 1998 , 66, S139-42	2.7	3
20	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, 1060-8	15.1	108
19	Pathophysiologic mechanisms underlying dobutamine- and exercise-induced wall motion abnormalities. <i>American Heart Journal</i> , 1998 , 136, 63-70	4.9	13
18	Aortic allograft and pulmonary autograft for aortic valve replacement: mid-term results. <i>Vascular</i> , 1997 , 5, 533-8		1
17	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
16	Predictive accuracy of echocardiographic response of mildly dyssynergic myocardial segments to low-dose dobutamine. <i>American Journal of Cardiology</i> , 1997 , 80, 1481-4	3	12
15	Head-to-Head Comparison of ExerciseRedistributionReinjection 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
14	Chronic ischemic viable myocardium in man: Aspects of dedifferentiation. <i>Cardiovascular Pathology</i> , 1995 , 4, 29-37	3.8	83
13	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
12	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
11	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
10	Is acoustic shadowing at intracoronary ultrasound always the marker of intramural calcium accumulation?. <i>Catheterization and Cardiovascular Diagnosis</i> , 1995 , 36, 179-82		2
9	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
8	The use of carbon 11-labeled acetate for assessment of aerobic metabolism. <i>Journal of Nuclear Cardiology</i> , 1994 , 1, S48-57	2.1	6

7	Assessment of left ventricular dysfunction by nuclear cardiology. <i>Cardiovascular Drugs and Therapy</i> , 1994 , 8 Suppl 2, 381-92	3.9	
6	On-line quantification of left ventricular volumes and ejection fraction by automated backscatter imaging-assisted boundary detection: comparison with contrast cineventriculography. <i>American Journal of Cardiology</i> , 1994 , 74, 633-5	3	15
5	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
4	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
3	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
2	Influence of transmitral filling dynamics on continuous-wave Doppler assessment of aortic regurgitation by half-time methods. <i>American Journal of Cardiology</i> , 1989 , 64, 614-9	3	7
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