

Jean-Louis Vanoverschelde

List of Publications by Year in descending order

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227
papers

16,805
citations

14644

66
h-index

17090

122
g-index

240
all docs

240
docs citations

240
times ranked

13905
citing authors

#	ARTICLE	IF	CITATIONS
1	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, 1231-1243.	1.0	2,808
2	What are the characteristics of patients with severe, symptomatic, mitral regurgitation who are denied surgery?. <i>European Heart Journal</i> , 2007, 28, 1358-1365.	1.0	763
3	Cardioprotective Stem Cell Therapy in Heart Failure. <i>Journal of the American College of Cardiology</i> , 2013, 61, 2329-2338.	1.2	427
4	Characterization of Acute and Chronic Myocardial Infarcts by Multidetector Computed Tomography. <i>Circulation</i> , 2006, 113, 823-833.	1.6	396
5	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.	3.8	315
6	EAE/ASE recommendations for the use of echocardiography in new transcatheter interventions for valvular heart disease. <i>European Heart Journal</i> , 2011, 32, 2189-2214.	1.0	304
7	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, 937-965.	1.2	287
8	Contrast echocardiography: evidence-based recommendations by European Association of Echocardiography. <i>European Journal of Echocardiography</i> , 2008, 10, 194-212.	2.3	286
9	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, 607-616.	1.0	259
10	Prognostic Significance of LGE by CMR in Aortic Stenosis Patients Undergoing Valve Replacement. <i>Journal of the American College of Cardiology</i> , 2014, 64, 144-154.	1.2	243
11	Twenty-Year Outcome After Mitral Repair Versus Replacement for Severe Degenerative Mitral Regurgitation. <i>Circulation</i> , 2017, 135, 410-422.	1.6	238
12	Insulin signalling in the heart. <i>Cardiovascular Research</i> , 2008, 79, 238-248.	1.8	225
13	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, 1430-1438.	0.4	198
14	Deficiency of LKB1 in heart prevents ischemia-mediated activation of AMPK α 2 but not AMPK α 1. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 290, E780-E788.	1.8	193
15	AMPK activation counteracts cardiac hypertrophy by reducing O-GlcNAcylation. <i>Nature Communications</i> , 2018, 9, 374.	5.8	179
16	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, 815-836.	1.0	170
17	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.	1.6	165
18	Imaging the Vulnerable Plaque. <i>Journal of the American College of Cardiology</i> , 2011, 57, 1961-1979.	1.2	158

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19	Prognostic Value of Myocardial Viability by Delayed-Enhanced Magnetic Resonance in Patients With Coronary Artery Disease and Low Ejection Fraction. <i>Journal of the American College of Cardiology</i> , 2012, 59, 825-835.	1.2	157
20	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, 2048-2053.	1.0	155
21	Analysis of Regional Left Ventricular Function by Cineventriculography, Cardiac Magnetic Resonance Imaging, and Unenhanced and Contrast-Enhanced Echocardiography. <i>Journal of the American College of Cardiology</i> , 2006, 47, 121-128.	1.2	155
22	Mechanisms of Recurrent Aortic Regurgitation After Aortic Valve Repair. <i>JACC: Cardiovascular Imaging</i> , 2009, 2, 931-939.	2.3	154
23	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.	1.2	153
24	Aortic Valve Area Assessment: Multidetector CT Compared with Cine MR Imaging and Transthoracic and Transesophageal Echocardiography. <i>Radiology</i> , 2007, 244, 745-754.	3.6	152
25	Head-to-Head Comparison of Exercise "Redistribution" Reinjection 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.	1.2	151
26	Repair of regurgitant bicuspid aortic valves: A systematic approach. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2010, 140, 276-284.e1.	0.4	142
27	Assessment of the physiologic significance of coronary disease with dipyridamole real-time myocardial contrast echocardiography. <i>Journal of the American College of Cardiology</i> , 2004, 43, 257-264.	1.2	138
28	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.	1.2	137
29	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, 1432-1439.	0.7	135
30	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-H250.	1.5	130
31	Accuracy and feasibility of contrast echocardiography for detection of perfusion defects in routine practice. <i>Journal of the American College of Cardiology</i> , 1998, 32, 1260-1269.	1.2	123
32	Myocardial Ischemia and Increased Heart Work Modulate the Phosphorylation State of Eukaryotic Elongation Factor-2. <i>Journal of Biological Chemistry</i> , 2003, 278, 41970-41976.	1.6	118
33	Protection Against Ischemic Injury by Nonvasoactive Concentrations of Nitric Oxide Synthase Inhibitors in the Perfused Rabbit Heart. <i>Circulation</i> , 1995, 92, 1911-1918.	1.6	117
34	Evaluation of the microcirculation in hypertension and cardiovascular disease. <i>European Heart Journal</i> , 2007, 28, 2834-2840.	1.0	114
35	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, 348-352.	1.3	113
36	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, 1339-1348.	0.4	113

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37	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, 608-617.	1.0	105
38	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, 385-390.	0.4	103
39	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, 383-389.	0.7	102
40	Accurate estimation of global and regional cardiac function by retrospectively gated multidetector row computed tomography. <i>European Radiology</i> , 2006, 16, 1424-1433.	2.3	102
41	How accurate is dobutamine stress electrocardiography for detection of coronary artery disease?. <i>Journal of the American College of Cardiology</i> , 1994, 24, 920-927.	1.2	99
42	Chronic ischemic viable myocardium in man: Aspects of dedifferentiation. <i>Cardiovascular Pathology</i> , 1995, 4, 29-37.	0.7	99
43	Risk of Valve-Related Events After Aortic Valve Repair. <i>Annals of Thoracic Surgery</i> , 2013, 95, 606-613.	0.7	96
44	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-H1133.	1.5	96
45	Imaging in the Management of Ischemic Cardiomyopathy. <i>Journal of the American College of Cardiology</i> , 2012, 59, 359-370.	1.2	95
46	Age and sex corrected normal reference values of T1, T2* and ECV in healthy subjects at 3T CMR. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2017, 19, 72.	1.6	95
47	NADPH oxidase activation by hyperglycaemia in cardiomyocytes is independent of glucose metabolism but requires SGLT1. <i>Cardiovascular Research</i> , 2011, 92, 237-246.	1.8	92
48	Positron emission tomography using 18F-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 18F-fluoro-deoxyglucose Positron Emission Tomography for the Detection of Myocardial Viability. <i>European Heart Journal</i> , 2001, 22, 1691-1701.	1.0	88
49	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, 1342-1348.	1.6	88
50	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, 1913-1920.	0.4	86
51	AMP-activated Protein Kinase in the Control of Cardiac Metabolism and Remodeling. <i>Current Heart Failure Reports</i> , 2012, 9, 164-173.	1.3	84
52	Myocardial Contrast Echocardiography for the Detection of Coronary Artery Stenosis. <i>Journal of the American College of Cardiology</i> , 2006, 47, 141-145.	1.2	83
53	Effect of annulus dimension and annuloplasty on bicuspid aortic valve repair. <i>European Journal of Cardio-thoracic Surgery</i> , 2013, 44, 316-323.	0.6	83
54	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, 1100-1105.	1.2	82

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55	Role of the α 2-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-H2883.	1.5	80
56	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.	1.6	79
57	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.	2.3	77
58	Reconstructive surgery in active mitral valve endocarditis: feasibility, safety and durability. <i>European Journal of Cardio-thoracic Surgery</i> , 2007, 31, 592-599.	0.6	75
59	EAE/ASE recommendations for the use of echocardiography in new transcatheter interventions for valvular heart disease. <i>European Journal of Echocardiography</i> , 2011, 12, 557-584.	2.3	75
60	Natural History of Paradoxical Low-Gradient Severe Aortic Stenosis. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 714-722.	1.3	75
61	The role of annular dimension and annuloplasty in tricuspid aortic valve repair. <i>European Journal of Cardio-thoracic Surgery</i> , 2016, 49, 428-438.	0.6	75
62	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, 321-325.	0.7	74
63	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, 728-734.	0.7	74
64	Repair of aortic valve prolapse: experience with 44 patients*1. <i>European Journal of Cardio-thoracic Surgery</i> , 2004, 26, 628-633.	0.6	73
65	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, 2544-2551.	1.0	70
66	Cardiomyocyte remodelling during myocardial hibernation and atrial fibrillation: prelude to apoptosis. <i>Cardiovascular Research</i> , 1999, 43, 947-957.	1.8	69
67	Repair of Bicuspid Aortic Valves in Patients With Aortic Regurgitation. <i>Circulation</i> , 2006, 114, I610-6.	1.6	66
68	Do Guideline-Based Indications Result in an Outcome Penalty for Patients With Severe Aortic Regurgitation?. <i>JACC: Cardiovascular Imaging</i> , 2019, 12, 2126-2138.	2.3	65
69	Expression of inducible nitric oxide synthase in human coronary atherosclerotic plaque. <i>Cardiovascular Research</i> , 1999, 41, 465-472.	1.8	64
70	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.	1.6	64
71	Effects of Preoperative Aortic Insufficiency on Outcome After Aortic Valve "Sparing Surgery". <i>Circulation</i> , 2009, 120, S120-6.	1.6	63
72	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, 377-385.	3.6	63

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73	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.	0.6	62
74	No-Flow Ischemia Inhibits Insulin Signaling in Heart by Decreasing Intracellular pH. <i>Circulation Research</i> , 2001, 88, 513-519.	2.0	61
75	Eligibility for Renal Denervation. <i>Hypertension</i> , 2014, 63, 1319-1325.	1.3	61
76	Myocardial delivery of colloid nanoparticles using ultrasound-targeted microbubble destruction. <i>European Heart Journal</i> , 2006, 27, 237-245.	1.0	60
77	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, 1284-1287.	0.7	59
78	Cusp Prolapse Repair in Trileaflet Aortic Valves: Free Margin Plication and Free Margin Resuspension Techniques. <i>Annals of Thoracic Surgery</i> , 2009, 88, 455-461.	0.7	58
79	AMPK β 2 counteracts the development of cardiac hypertrophy induced by isoproterenol. <i>Biochemical and Biophysical Research Communications</i> , 2008, 376, 677-681.	1.0	57
80	Myocardial perfusion and oxygen consumption in reperfused noninfarcted dysfunctional myocardium after unstable angina. <i>Journal of the American College of Cardiology</i> , 1999, 34, 1939-1946.	1.2	56
81	Assessment and repair of aortic valve cusp prolapse: Implications for valve-sparing procedures. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011, 141, 917-925.	0.4	55
82	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.	1.0	54
83	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.	1.2	54
84	Transesophageal Echocardiographic Evaluation During Aortic Valve Repair Surgery. <i>Anesthesia and Analgesia</i> , 2010, 111, 59-70.	1.1	52
85	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-E769.	1.8	52
86	Aortic Valve Area, Stroke Volume, Left Ventricular Hypertrophy, Remodeling, and Fibrosis in Aortic Stenosis Assessed by Cardiac Magnetic Resonance Imaging. <i>Circulation: Cardiovascular Imaging</i> , 2013, 6, 1009-1017.	1.3	52
87	Reduced scar maturation and contractility lead to exaggerated left ventricular dilation after myocardial infarction in mice lacking AMPK β 1. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 74, 32-43.	0.9	52
88	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, 1485-1495.	1.0	51
89	Severe delayed heart failure in three multiple sclerosis patients previously treated with mitoxantrone. <i>Journal of Neurology</i> , 2005, 252, 1217-1222.	1.8	51
90	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, 114-121.	1.3	51

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91	Comparison of dipyridamole stress echocardiography and perfusion scintigraphy for cardiac risk stratification in vascular surgery patients. <i>American Journal of Cardiology</i> , 1998, 82, 1468-1474.	0.7	50
92	Chronic Ischemic Left Ventricular Dysfunction. <i>JACC: Cardiovascular Imaging</i> , 2008, 1, 536-555.	2.3	50
93	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, 371-378.	0.4	48
94	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.	0.7	48
95	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, 1358-1363.	0.7	48
96	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-H477.	1.5	48
97	Connection Between Cardiac Vascular Permeability, Myocardial Edema, and Inflammation During Sepsis. <i>Critical Care Medicine</i> , 2013, 41, e411-e422.	0.4	48
98	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, 1782-1786.	0.7	47
99	Long-Term Mortality Associated With Left Ventricular Dysfunction in Mitral Regurgitation Due to Flail Leaflets. <i>Circulation: Cardiovascular Imaging</i> , 2014, 7, 363-370.	1.3	47
100	Coronary Artery Stenosis: Direct Comparison of Four-Section Multi-â€œDetector Row CT and 3D Navigator MR Imaging for Detectionâ€œInitial Results. <i>Radiology</i> , 2005, 234, 98-108.	3.6	46
101	Incidence, Determinants, and Prognostic Impact of Operative Refusal or Denial in Octogenarians With Severe Aortic Stenosis. <i>Annals of Thoracic Surgery</i> , 2011, 91, 1107-1112.	0.7	46
102	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-H1630.	1.5	46
103	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, 1629-1635.	2.8	45
104	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, 263-270.	1.2	43
105	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.	1.2	43
106	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.	1.4	43
107	Release of cardiac bio-markers during high mechanical index contrast-enhanced echocardiography in humans. <i>European Heart Journal</i> , 2007, 28, 1236-1241.	1.0	42
108	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, 1836-1844.	2.8	42

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109	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, 1297-1307.	1.2	42
110	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, 324-328.	1.3	41
111	Extending the Scope of Mitral Valve Repair in Rheumatic Disease. <i>Annals of Thoracic Surgery</i> , 2009, 87, 1735-1740.	0.7	39
112	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, 803-809.	0.7	39
113	Hypothermic continuous machine perfusion enables preservation of energy charge and functional recovery of heart grafts in an <i>ex vivo</i> model of donation following circulatory death. <i>European Journal of Cardio-thoracic Surgery</i> , 2016, 49, 1348-1353.	0.6	39
114	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> , 2016, 19, 37.	1.6	39
115	Inhibition of aquaporin-1 prevents myocardial remodeling by blocking the transmembrane transport of hydrogen peroxide. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	39
116	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.	2.3	36
117	Role of AMP-activated protein kinase in regulating hypoxic survival and proliferation of mesenchymal stem cells. <i>Cardiovascular Research</i> , 2014, 101, 20-29.	1.8	36
118	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.	0.7	34
119	The prevalence of cardiac dysfunction and the correlation with poor functioning among the very elderly. <i>International Journal of Cardiology</i> , 2012, 155, 134-143.	0.8	34
120	Natural History of Asymptomatic Severe Aortic Stenosis and the Association of Early Intervention With Outcomes. <i>JAMA Cardiology</i> , 2020, 5, 1102.	3.0	34
121	Urotensin II induction of adult cardiomyocytes hypertrophy involves the Akt/GSK-3 β signaling pathway. <i>Peptides</i> , 2010, 31, 1326-1333.	1.2	33
122	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, 475-480.	0.7	32
123	Intermediate Follow-Up Results From the Multicenter Engager European Pivotal Trial. <i>Annals of Thoracic Surgery</i> , 2013, 96, 2095-2100.	0.7	31
124	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.	0.4	31
125	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, 813-821.	1.2	30
126	The pathophysiology of myocardial hibernation: Current controversies and future directions. <i>Progress in Cardiovascular Diseases</i> , 2001, 43, 387-398.	1.6	30

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127	Detection and Quantification of Myocardial Scars by Contrast-Enhanced 3D Echocardiography. Circulation: Cardiovascular Imaging, 2010, 3, 415-423.	1.3	30
128	Transcatheter sapien valve implantation in a native tricuspid valve after failed surgical repair. Catheterization and Cardiovascular Interventions, 2014, 83, 841-845.	0.7	30
129	The Ca ²⁺ /calmodulin-dependent kinase kinase ² -AMP-activated protein kinase-1 pathway regulates phosphorylation of cytoskeletal targets in thrombin-stimulated human platelets. Journal of Thrombosis and Haemostasis, 2014, 12, 973-986.	1.9	30
130	Mid-term results of a randomized trial of tricuspid annuloplasty for less-than-severe functional tricuspid regurgitation at the time of mitral valve surgery. European Journal of Cardio-thoracic Surgery, 2019, 55, 851-858.	0.6	30
131	Intravenous myocardial contrast echocardiography predicts left ventricular remodeling in patients with acute myocardial infarction. Journal of the American Society of Echocardiography, 2002, 15, 849-856.	1.2	29
132	Metabolism and acetylation contribute to leucine-mediated inhibition of cardiac glucose uptake. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 313, H432-H445.	1.5	29
133	Risk stratification in patients with dilated cardiomyopathy: contribution of Doppler-derived left ventricular filling. American Journal of Cardiology, 1998, 82, 779-785.	0.7	28
134	Incidence of recovery of contractile function following revascularization in patients with ischemic left ventricular dysfunction. American Journal of Cardiology, 2004, 93, 14-17.	0.7	28
135	Is Postsystolic Shortening a Marker of Viability in Chronic Left Ventricular Ischemic Dysfunction? Comparison with Late Enhancement Contrast Magnetic Resonance Imaging. Journal of the American Society of Echocardiography, 2008, 21, 452-457.	1.2	28
136	Long-term clinical outcome of mitral valve repair in asymptomatic severe mitral regurgitation. European Journal of Cardio-thoracic Surgery, 2009, 36, 539-545.	0.6	28
137	Iron overload in polytransfused patients without heart failure is associated with subclinical alterations of systolic left ventricular function using cardiovascular magnetic resonance tagging. Journal of Cardiovascular Magnetic Resonance, 2011, 13, 23.	1.6	28
138	Comprehensive assessment of the severity and mechanism of aortic regurgitation using multidetector CT and MR. European Radiology, 2010, 20, 326-336.	2.3	27
139	Aortic valve replacement with allograft/autograft: subcoronary versus intraluminal cylinder or root. Annals of Thoracic Surgery, 1995, 60, S78-S82.	0.7	25
140	Asymptomatic Severe Aortic Stenosis With Preserved Ejection Fraction. Journal of the American College of Cardiology, 2018, 72, 2938-2939.	1.2	25
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