

List of Publications by Citations

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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.

355 papers	9,257 citations	52 h-index	81 g-index
414 ext. papers	11,086 ext. citations	5 avg, IF	5.98 L-index

#	Paper	IF	Citations
355	Predictive factors, management, and clinical outcomes of coronary obstruction following transcatheter aortic valve implantation: insights from a large multicenter registry. <i>Journal of the American College of Cardiology</i> , <b>2013</b> , 62, 1552-62	15.1	361
354	Secondary prevention after coronary artery bypass graft surgery: a scientific statement from the American Heart Association. <i>Circulation</i> , <b>2015</b> , 131, 927-64	16.7	226
353	Adverse effects associated with transcatheter aortic valve implantation: a meta-analysis of contemporary studies. <i>Annals of Internal Medicine</i> , <b>2013</b> , 158, 35-46	8	189
352	Aspirin plus clopidogrel versus aspirin alone after coronary artery bypass grafting: the clopidogrel after surgery for coronary artery disease (CASCADE) Trial. <i>Circulation</i> , <b>2010</b> , 122, 2680-7	16.7	149
351	Skeletonized internal thoracic artery harvest reduces pain and dysesthesia and improves sternal perfusion after coronary artery bypass surgery: a randomized, double-blind, within-patient comparison. <i>Circulation</i> , <b>2006</b> , 114, 766-73	16.7	148
350	Prosthesis-patient mismatch after aortic valve replacement predominantly affects patients with preexisting left ventricular dysfunction: effect on survival, freedom from heart failure, and left ventricular mass regression. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2006</b> , 131, 1036-44	1.5	146
349	Late cardiac death in patients undergoing transcatheter aortic valve replacement: incidence and predictors of advanced heart failure and sudden cardiac death. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 65, 437-48	15.1	143
348	Comparison of coronary artery bypass surgery and percutaneous coronary intervention in patients with diabetes: a meta-analysis of randomised controlled trials. <i>Lancet Diabetes and Endocrinology</i> , <b>2013</b> , 1, 317-28	18.1	140
347	Minimally invasive coronary artery bypass grafting: dual-center experience in 450 consecutive patients. <i>Circulation</i> , <b>2009</b> , 120, S78-84	16.7	138
346	Long-term effects of surgical angiogenic therapy with fibroblast growth factor 2 protein. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2002</b> , 124, 28-34	1.5	136
345	Cardiovascular progenitor-derived extracellular vesicles recapitulate the beneficial effects of their parent cells in the treatment of chronic heart failure. <i>Journal of Heart and Lung Transplantation</i> , <b>2016</b> , 35, 795-807	5.8	121
344	Transcatheter aortic valve implantation: a Canadian Cardiovascular Society position statement. <i>Canadian Journal of Cardiology</i> , <b>2012</b> , 28, 520-8	3.8	121
343	A collagen-chitosan hydrogel for endothelial differentiation and angiogenesis. <i>Tissue Engineering - Part A</i> , <b>2010</b> , 16, 3099-109	3.9	118
342	Late incidence and predictors of persistent or recurrent heart failure in patients with aortic prosthetic valves. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2004</b> , 127, 149-59	1.5	116
341	Very long-term survival implications of heart valve replacement with tissue versus mechanical prostheses in adults. <i>Circulation</i> , <b>2007</b> , 116, 1294-300	16.7	115
340	Mechanisms, Consequences, and Prevention of Coronary Graft Failure. <i>Circulation</i> , <b>2017</b> , 136, 1749-1764	16.7	113
339	Tissue-engineered injectable collagen-based matrices for improved cell delivery and vascularization of ischemic tissue using CD133+ progenitors expanded from the peripheral blood. <i>Circulation</i> , <b>2006</b> , 114, 1138-44	16.7	111

338	Late incidence and determinants of reoperation in patients with prosthetic heart valves. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2004</b> , 25, 364-70	3	107
337	Clinical and echocardiographic impact of functional tricuspid regurgitation repair at the time of mitral valve replacement. <i>Annals of Thoracic Surgery</i> , <b>2009</b> , 88, 1209-15	2.7	104
336	Mechanical versus bioprosthetic valve replacement in middle-aged patients. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2006</b> , 30, 485-91	3	95
335	Percutaneous mitral valve repair for chronic ischemic mitral regurgitation: a real-time three-dimensional echocardiographic study in an ovine model. <i>Circulation</i> , <b>2005</b> , 111, 2183-9	16.7	94
334	Impact of statin use on outcomes after coronary artery bypass graft surgery. <i>Circulation</i> , <b>2008</b> , 118, 1785-92	16.7	92
333	The effect of encapsulation of cardiac stem cells within matrix-enriched hydrogel capsules on cell survival, post-ischemic cell retention and cardiac function. <i>Biomaterials</i> , <b>2014</b> , 35, 133-42	15.6	91
332	Natural history and management of aortocoronary saphenous vein graft aneurysms: a systematic review of published cases. <i>Circulation</i> , <b>2012</b> , 126, 2248-56	16.7	90
331	Defining an Intraoperative Hypotension Threshold in Association with Stroke in Cardiac Surgery. <i>Anesthesiology</i> , <b>2018</b> , 129, 440-447	4.3	86
330	Late incidence and determinants of stroke after aortic and mitral valve replacement. <i>Annals of Thoracic Surgery</i> , <b>2004</b> , 78, 77-83; discussion 83-4	2.7	85
329	Reoperation of left heart valve bioprostheses according to age at implantation. <i>Circulation</i> , <b>2011</b> , 124, S75-80	16.7	83
328	The impact of patient-prosthesis mismatch on late outcomes after mitral valve replacement. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2007</b> , 133, 1464-73	1.5	83
327	Natural history and predictors of outcome in patients with concomitant functional mitral regurgitation at the time of aortic valve replacement. <i>Circulation</i> , <b>2006</b> , 114, 1541-6	16.7	83
326	Late incidence and predictors of persistent or recurrent heart failure in patients with mitral prosthetic valves. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2004</b> , 128, 278-83	1.5	83
325	Enlargement of the small aortic root during aortic valve replacement: is there a benefit?. <i>Annals of Thoracic Surgery</i> , <b>2008</b> , 85, 94-100	2.7	80
324	Exploiting extracellular matrix-stem cell interactions: a review of natural materials for therapeutic muscle regeneration. <i>Biomaterials</i> , <b>2012</b> , 33, 428-43	15.6	79
323	Long-term outcomes of valve replacement with modern prostheses in young adults. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2005</b> , 27, 425-33; discussion 433	3	79
322	Results of the Minimally Invasive Coronary Artery Bypass Grafting Angiographic Patency Study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2014</b> , 147, 203-8	1.5	78
321	Genetics and genomics for the prevention and treatment of cardiovascular disease: update: a scientific statement from the American Heart Association. <i>Circulation</i> , <b>2013</b> , 128, 2813-51	16.7	76

320	A new and simplified method for coronary and graft imaging during CABG. <i>Heart Surgery Forum</i> , <b>2002</b> , 5, 141-4	0.7	74
319	Randomized comparison of the clinical outcome of single versus multiple arterial grafts: the ROMA trial-rationale and study protocol. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2017</b> , 52, 1031-1040	3	72
318	Clinical impact of mild acute kidney injury after cardiac surgery. <i>Annals of Thoracic Surgery</i> , <b>2014</b> , 98, 815-22	2.7	71
317	Timing underpins the benefits associated with injectable collagen biomaterial therapy for the treatment of myocardial infarction. <i>Biomaterials</i> , <b>2015</b> , 39, 182-92	15.6	68
316	Vasomotor dysfunction after cardiac surgery. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2004</b> , 26, 1002-14	67	
315	Transfemoral vs Non-transfemoral Access for Transcatheter Aortic Valve Implantation: A Systematic Review and Meta-analysis. <i>Canadian Journal of Cardiology</i> , <b>2015</b> , 31, 1427-38	3.8	66
314	Comparison of hemodynamic performance of self-expandable CoreValve versus balloon-expandable Edwards SAPIEN aortic valves inserted by catheter for aortic stenosis. <i>American Journal of Cardiology</i> , <b>2013</b> , 111, 1026-33	3	64
313	Statin therapy and saphenous vein graft disease after coronary bypass surgery: analysis from the CASCADE randomized trial. <i>Annals of Thoracic Surgery</i> , <b>2011</b> , 92, 1284-90; discussion 1290-1	2.7	62
312	Knowledge, attitudes, and practice patterns in surgical management of bicuspid aortopathy: a survey of 100 cardiac surgeons. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2013</b> , 146, 1033-1040.e4	1.5	61
311	Clinical Impact of Changes in Left Ventricular Function After Aortic Valve Replacement: Analysis From 3112 Patients. <i>Circulation</i> , <b>2015</b> , 132, 741-7	16.7	58
310	Effects of methylprednisolone and a biocompatible copolymer circuit on blood activation during cardiopulmonary bypass. <i>Annals of Thoracic Surgery</i> , <b>2005</b> , 79, 655-65	2.7	58
309	Response of Cardiac Surgery Units to COVID-19: An Internationally-Based Quantitative Survey. <i>Circulation</i> , <b>2020</b> , 142, 300-302	16.7	54
308	Statins and coronary artery bypass graft surgery: preoperative and postoperative efficacy and safety. <i>Expert Opinion on Drug Safety</i> , <b>2009</b> , 8, 559-71	4.1	54
307	Injectable human recombinant collagen matrices limit adverse remodeling and improve cardiac function after myocardial infarction. <i>Nature Communications</i> , <b>2019</b> , 10, 4866	17.4	53
306	Clinical Impact of Baseline Right Bundle Branch Block in Patients Undergoing Transcatheter Aortic Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , <b>2017</b> , 10, 1564-1574	5	53
305	Twenty-year durability of the aortic Hancock II bioprosthesis in young patients: is it durable enough?. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2014</b> , 46, 825-30	3	53
304	Should dual antiplatelet therapy be used in patients following coronary artery bypass surgery? A meta-analysis of randomized controlled trials. <i>BMC Surgery</i> , <b>2015</b> , 15, 112	2.3	52
303	Gene expression profile after cardiopulmonary bypass and cardioplegic arrest. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2003</b> , 126, 1521-30	1.5	52

302	Nanoengineered Electroconductive Collagen-Based Cardiac Patch for Infarcted Myocardium Repair. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 44668-44677	9.5	52
301	Clinical evaluation of functional mitral stenosis after mitral valve repair for degenerative disease: potential affect on surgical strategy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2013</b> , 146, 1418-23; discussion 1423-5	1.5	51
300	Correlates of saphenous vein graft hyperplasia and occlusion 1 year after coronary artery bypass grafting: analysis from the CASCADE randomized trial. <i>Circulation</i> , <b>2013</b> , 128, S213-8	16.7	49
299	Minimally invasive coronary artery bypass grafting via a small thoracotomy versus off-pump: a case-matched study. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2011</b> , 40, 804-10	3	49
298	Long-term outcomes after valve replacement for low-gradient aortic stenosis: impact of prosthesis-patient mismatch. <i>Circulation</i> , <b>2006</b> , 114, I553-8	16.7	48
297	Collagen-based matrices improve the delivery of transplanted circulating progenitor cells: development and demonstration by ex vivo radionuclide cell labeling and in vivo tracking with positron-emission tomography. <i>Circulation: Cardiovascular Imaging</i> , <b>2008</b> , 1, 197-204	3.9	46
296	Management of acute severe perioperative failure of cardiac allografts: a single-centre experience with a review of the literature. <i>Canadian Journal of Cardiology</i> , <b>2007</b> , 23, 363-7	3.8	45
295	Hyperglycemia inhibits cardiac stem cell-mediated cardiac repair and angiogenic capacity. <i>Circulation</i> , <b>2014</b> , 130, S70-6	16.7	44
294	Human blood and cardiac stem cells synergize to enhance cardiac repair when cotransplanted into ischemic myocardium. <i>Circulation</i> , <b>2013</b> , 128, S105-12	16.7	44
293	Long-term clinical and hemodynamic performance of the Hancock II versus the Perimount aortic bioprostheses. <i>Circulation</i> , <b>2010</b> , 122, S10-6	16.7	44
292	Mitral valve replacement is a viable alternative to mitral valve repair for ischemic mitral regurgitation: a case-matched study. <i>Annals of Thoracic Surgery</i> , <b>2011</b> , 92, 1358-65; discussion 1365-6	2.7	43
291	Patterns and predictors of statin use after coronary artery bypass graft surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2007</b> , 134, 932-8	1.5	43
290	The Learning Curve and Annual Procedure Volume Standards for Optimum Outcomes of Transcatheter Aortic Valve Replacement: Findings From an International Registry. <i>JACC: Cardiovascular Interventions</i> , <b>2018</b> , 11, 1669-1679	5	43
289	An acellular matrix-bound ligand enhances the mobilization, recruitment and therapeutic effects of circulating progenitor cells in a hindlimb ischemia model. <i>FASEB Journal</i> , <b>2009</b> , 23, 1447-58	0.9	42
288	Effects of off-pump versus on-pump coronary artery bypass grafting on function and viability of circulating endothelial progenitor cells. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2005</b> , 130, 633-9	1.5	42
287	Antiplatelet therapy and coronary artery bypass graft surgery: perioperative safety and efficacy. <i>Expert Opinion on Drug Safety</i> , <b>2009</b> , 8, 169-82	4.1	41
286	Tracking stem cell therapy in the myocardium: applications of positron emission tomography. <i>Current Pharmaceutical Design</i> , <b>2008</b> , 14, 3835-53	3.3	41
285	Predictors and impact of myocardial injury after transcatheter aortic valve replacement: a multicenter registry. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 66, 2075-2088	15.1	40

284	Impact of preoperative fractional flow reserve on arterial bypass graft anastomotic function: the IMPAG trial. <i>European Heart Journal</i> , <b>2019</b> , 40, 2421-2428	9.5	39
283	Use of bilateral internal thoracic artery during coronary artery bypass graft surgery in Canada: The bilateral internal thoracic artery survey. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2012</b> , 144, 874-9	1.5	39
282	Comparative effects of mesenchymal progenitor cells, endothelial progenitor cells, or their combination on myocardial infarct regeneration and cardiac function. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2007</b> , 134, 1249-58	1.5	39
281	Inhibition of the cardiac angiogenic response to exogenous vascular endothelial growth factor. <i>Surgery</i> , <b>2004</b> , 136, 407-15	3.6	38
280	Long-term Outcomes in Patients With Severely Reduced Left Ventricular Ejection Fraction Undergoing Percutaneous Coronary Intervention vs Coronary Artery Bypass Grafting. <i>JAMA Cardiology</i> , <b>2020</b> , 5, 631-641	16.2	37
279	Surgical Management of Infective Endocarditis Complicated by Embolic Stroke: Practical Recommendations for Clinicians. <i>Circulation</i> , <b>2016</b> , 134, 1280-1292	16.7	37
278	Concomitant treatment with oral L-arginine improves the efficacy of surgical angiogenesis in patients with severe diffuse coronary artery disease: the Endothelial Modulation in Angiogenic Therapy randomized controlled trial. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2008</b> , 135, 762-70, 770.e1	1.5	37
277	Differences in gene expression profiles of diabetic and nondiabetic patients undergoing cardiopulmonary bypass and cardioplegic arrest. <i>Circulation</i> , <b>2004</b> , 110, 11280-6	16.7	37
276	Paracrine Engineering of Human Cardiac Stem Cells With Insulin-Like Growth Factor 1 Enhances Myocardial Repair. <i>Journal of the American Heart Association</i> , <b>2015</b> , 4, e002104	6	36
275	Ex vivo generation of a highly potent population of circulating angiogenic cells using a collagen matrix. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2011</b> , 51, 187-97	5.8	36
274	Mesenchymal stem cells for cardiovascular regeneration. <i>Cardiovascular Drugs and Therapy</i> , <b>2011</b> , 25, 349-62	3.9	36
273	Response to Letter Regarding Article, Long-Term Outcomes After Valve Replacement for Low-Gradient Aortic Stenosis: Impact of Prosthesis-Patient Mismatch. <i>Circulation</i> , <b>2006</b> , 114,	16.7	36
272	Poly(ADP-ribose) polymerase inhibition improves postischemic myocardial function after cardioplegia-cardiopulmonary bypass. <i>Journal of the American College of Surgeons</i> , <b>2003</b> , 197, 270-7	4.4	36
271	Vascular growth factors and angiogenesis in cardiac surgery. <i>Annals of Thoracic Surgery</i> , <b>2003</b> , 75, S685-90	2.7	36
270	Handsewn proximal anastomoses onto the ascending aorta through a small left thoracotomy during minimally invasive multivessel coronary artery bypass grafting: a stepwise approach to safety and reproducibility. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2012</b> , 24, 79-83	1.7	35
269	Antithrombotic treatment after coronary artery bypass graft surgery: systematic review and network meta-analysis. <i>BMJ, The</i> , <b>2019</b> , 367, l5476	5.9	34
268	The role of integrin $\alpha_5$ in cell and matrix therapy that improves perfusion, viability and function of infarcted myocardium. <i>Biomaterials</i> , <b>2014</b> , 35, 4749-58	15.6	33
267	Mechanical valve thrombosis with dabigatran. <i>Journal of the American College of Cardiology</i> , <b>2012</b> , 60, 1710-1	15.1	33



266	Heart valve prosthesis selection in patients with end-stage renal disease requiring dialysis: a systematic review and meta-analysis. <i>Heart</i> , <b>2011</b> , 97, 2033-7	5.1	33
265	Postoperative naproxen after coronary artery bypass surgery: a double-blind randomized controlled trial. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2004</b> , 26, 694-700	3	33
264	Off-Pump Coronary Artery Bypass Grafting: 30 Years of Debate. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7, e009934	6	33
263	Use Rate and Outcome in Bilateral Internal Thoracic Artery Grafting: Insights From a Systematic Review and Meta-Analysis. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7,	6	33
262	How detrimental is reexploration for bleeding after cardiac surgery?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2017</b> , 154, 927-935	1.5	32
261	Clinical outcomes of treatment by percutaneous coronary intervention versus coronary artery bypass graft surgery in patients with chronic kidney disease undergoing index revascularization in Ontario. <i>Circulation: Cardiovascular Interventions</i> , <b>2015</b> , 8,	6	32
260	Injectable small intestine submucosal extracellular matrix in an acute myocardial infarction model. <i>Annals of Thoracic Surgery</i> , <b>2013</b> , 96, 1686-94; discussion 1694	2.7	32
259	Centrifugal pump and roller pump in adult cardiac surgery: a meta-analysis of randomized controlled trials. <i>Artificial Organs</i> , <b>2012</b> , 36, 668-76	2.6	32
258	Influence of the On-X mechanical prosthesis on intermediate-term major thromboembolism and hemorrhage: a prospective multicenter study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2010</b> , 140, 1053-8.e2	1.5	32
257	Aortic Stenosis and Small Aortic Annulus. <i>Circulation</i> , <b>2019</b> , 139, 2685-2702	16.7	31
256	ISMICS Consensus Conference and Statements of Randomized Controlled Trials of Off-Pump Versus Conventional Coronary Artery Bypass Surgery. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , <b>2015</b> , 10, 219-29	1.5	31
255	Myocardial Revascularization Trials. <i>Circulation</i> , <b>2018</b> , 138, 2943-2951	16.7	31
254	Inhibition of the cardiac angiogenic response to surgical FGF-2 therapy in a Swine endothelial dysfunction model. <i>Circulation</i> , <b>2003</b> , 108 Suppl 1, II335-40	16.7	30
253	Preoperative anaemia is a risk factor for mortality and morbidity following aortic valve surgery. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2013</b> , 44, 1051-5; discussion 1055-6	3	29
252	Arterial Grafts for Coronary Bypass: A Critical Review After the Publication of ART and RADIAL. <i>Circulation</i> , <b>2019</b> , 140, 1273-1284	16.7	28
251	Can minimally invasive coronary artery bypass grafting be initiated and practiced safely?: a learning curve analysis. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , <b>2013</b> , 8, 403-9	1.5	28
250	Surgery for chronic thromboembolic pulmonary hypertension--inclusive experience from a national referral center. <i>Annals of Thoracic Surgery</i> , <b>2007</b> , 83, 1075-81	2.7	28
249	The clopidogrel after surgery for coronary artery disease (CASCADE) randomized controlled trial: clopidogrel and aspirin versus aspirin alone after coronary bypass surgery [NCT00228423]. <i>Current Controlled Trials in Cardiovascular Medicine</i> , <b>2005</b> , 6, 15		28

248	Is Aortic Valve Repair Reproducible? Analysis of the Learning Curve for Aortic Valve Repair. <i>Canadian Journal of Cardiology</i> , <b>2015</b> , 31, 1497.e15-22	3.8	27
247	Lipid-lowering therapy and coronary artery bypass graft surgery: what are the benefits?. <i>Current Opinion in Cardiology</i> , <b>2011</b> , 26, 508-17	2.1	27
246	Comparison of Outcomes of Balloon-Expandable Versus Self-Expandable Transcatheter Heart Valves for Severe Aortic Stenosis. <i>American Journal of Cardiology</i> , <b>2017</b> , 119, 1094-1099	3	26
245	Cardiac Rehabilitation During the COVID-19 Era: Guidance on Implementing Virtual Care. <i>Canadian Journal of Cardiology</i> , <b>2020</b> , 36, 1317-1321	3.8	26
244	The impact of prosthesis-patient mismatch after aortic valve replacement varies according to age at operation. <i>Heart</i> , <b>2014</b> , 100, 1099-106	5.1	26
243	Minimally Invasive coronary surgery compared to STernotomy coronary artery bypass grafting: The MIST trial. <i>Contemporary Clinical Trials</i> , <b>2019</b> , 78, 140-145	2.3	25
242	Long-term evaluation of biological versus mechanical prosthesis use at reoperative aortic valve replacement. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2012</b> , 144, 146-51	1.5	25
241	Impact of mitral annular calcification on early and late outcomes following mitral valve repair of myxomatous degeneration. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2013</b> , 17, 120-5	1.8	25
240	Normalization of coronary microvascular reactivity and improvement in myocardial perfusion by surgical vascular endothelial growth factor therapy combined with oral supplementation of l-arginine in a porcine model of endothelial dysfunction. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2005</b> , 129, 1414-20	1.5	25
239	Overall and Cause-Specific Mortality in Randomized Clinical Trials Comparing Percutaneous Interventions With Coronary Bypass Surgery: A Meta-analysis. <i>JAMA Internal Medicine</i> , <b>2020</b> , 180, 1638-1648	11.5	25
238	(18)F-FDG cell labeling may underestimate transplanted cell homing: more accurate, efficient, and stable cell labeling with hexadecyl-4-[(18)F]fluorobenzoate for in vivo tracking of transplanted human progenitor cells by positron emission tomography. <i>Cell Transplantation</i> , <b>2012</b> , 21, 1821-35	4	24
237	High flow rates during modified ultrafiltration decrease cerebral blood flow velocity and venous oxygen saturation in infants. <i>Annals of Thoracic Surgery</i> , <b>2005</b> , 80, 22-8	2.7	24
236	Society of Cardiovascular Anesthesiologists/European Association of Cardiothoracic Anaesthetists Practice Advisory for the Management of Perioperative Atrial Fibrillation in Patients Undergoing Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , <b>2019</b> , 33, 12-26	2.1	24
235	Electroconductive nanoengineered biomimetic hybrid fibers for cardiac tissue engineering. <i>Journal of Materials Chemistry B</i> , <b>2017</b> , 5, 2402-2406	7.3	23
234	The impact of patient co-morbidities on the regenerative capacity of cardiac explant-derived stem cells. <i>Stem Cell Research and Therapy</i> , <b>2016</b> , 7, 60	8.3	23
233	3-dimensional structures to enhance cell therapy and engineer contractile tissue. <i>Asian Cardiovascular and Thoracic Annals</i> , <b>2010</b> , 18, 188-98	0.6	23
232	Effects of L-arginine on fibroblast growth factor 2-induced angiogenesis in a model of endothelial dysfunction. <i>Circulation</i> , <b>2005</b> , 112, 1202-7	16.7	23
231	Postoperative lipid-lowering therapy and bioprosthesis structural valve deterioration: justification for a randomised trial?. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2010</b> , 37, 139-44	3	22



230	Improving cell engraftment with tissue engineering. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2008</b> , 20, 110-4	1.7	22
229	Insulin treatment enhances the myocardial angiogenic response in diabetes. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2007</b> , 134, 1453-60; discussion 1460	1.5	22
228	Off-pump coronary surgery through mini-incisions: is it reasonable?. <i>Current Opinion in Cardiology</i> , <b>2006</b> , 21, 578-83	2.1	22
227	Cardiopulmonary bypass reduces peripheral microvascular contractile function by inhibition of mitogen-activated protein kinase activity. <i>Surgery</i> , <b>2003</b> , 134, 247-54	3.6	22
226	Clinical and echocardiographic outcomes after repair of mitral valve bileaflet prolapse due to myxomatous disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2012</b> , 143, S8-11	1.5	21
225	Minimally invasive coronary artery bypass grafting: is it time for the robot?. <i>Current Opinion in Cardiology</i> , <b>2013</b> , 28, 639-45	2.1	21
224	Comparison of vascular endothelial growth factor and fibroblast growth factor-2 in a swine model of endothelial dysfunction. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2008</b> , 33, 645-50; discussion 251-2	3.2	21
223	Mitogen-activated protein kinase pathways and cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2004</b> , 127, 806-11	1.5	21
222	Paracrine Engineering of Human Explant-Derived Cardiac Stem Cells to Over-Express Stromal-Cell Derived Factor 1 Enhances Myocardial Repair. <i>Stem Cells</i> , <b>2016</b> , 34, 1826-35	5.8	21
221	New Strategies for Surgical Myocardial Revascularization. <i>Circulation</i> , <b>2018</b> , 138, 2160-2168	16.7	21
220	Tissue engineering a small diameter vessel substitute: engineering constructs with select biomaterials and cells. <i>Current Vascular Pharmacology</i> , <b>2012</b> , 10, 347-60	3.3	20
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