

# Marc A Ruel

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/2627644/marc-a-ruel-publications-by-year.pdf>  
**Version:** 2024-04-10

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
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	Aortic Stenosis in the Low-Risk Patient: Overview of the Management Options and Possible Permutations.. <i>Canadian Journal of Cardiology</i> , <b>2022</b> ,	3.8	2
354	Derivation and validation of a clinical risk score to predict death among patients awaiting cardiac surgery in Ontario, Canada: a population-based study.. <i>CMAJ Open</i> , <b>2022</b> , 10, E173-E182	2.5	
353	Commentary: We are talking about a vessel and not just a pipe.. <i>JTCVS Techniques</i> , <b>2022</b> , 12, 75-76	0.2	
352	Utility of a smartphone application in assessing palmar circulation prior to radial artery harvesting for coronary artery bypass grafting: rationale and design of the randomised CAPITAL iRADIAL-CABG trial.. <i>BMJ Open</i> , <b>2022</b> , 12, e055580	3	
351	Association of Volume and Outcomes in 234,556 Patients Undergoing Surgical Aortic Valve Replacement. <i>Annals of Thoracic Surgery</i> , <b>2021</b> ,	2.7	1
350	Response to the Comment on "Single Versus Multiple Arterial Revascularization in Patients With Reduced Renal Function Long-Term Outcome Comparisons in 23,406 CABG Patients From Ontario, Canada". <i>Annals of Surgery</i> , <b>2021</b> , 274, e824-e825	7.8	1
349	Commentary: The mitral annulus in normal valve function. Does shape matter?. <i>JTCVS Techniques</i> , <b>2021</b> , 10, 45-46	0.2	
348	The Use of Intraoperative Transit Time Flow Measurement for Coronary Artery Bypass Surgery: Systematic Review of the Evidence and Expert Opinion Statements. <i>Circulation</i> , <b>2021</b> , 144, 1160-1171	16.7	3
347	Commentary: The saphenous vein in coronary artery bypass grafting: Optimizing our workhorse.. <i>JTCVS Techniques</i> , <b>2021</b> , 10, 110-111	0.2	
346	Introduction to the 2021 Cardiovascular Surgery Themed Issue of. <i>Circulation</i> , <b>2021</b> , 144, 1087	16.7	
345	Commentary: External stenting of saphenous vein grafts-ReinVESTing to achieve best returns in coronary artery bypass grafting. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2021</b> ,	1.5	0
344	Commentary: Robotic totally endoscopic coronary artery bypass: State of an art.. <i>JTCVS Techniques</i> , <b>2021</b> , 10, 158-159	0.2	
343	Comparative Analysis Following Implementation of Two Types of Y-Composite Multiarterial Revascularization Strategies at a Single Academic Institution. <i>Journal of the American Heart Association</i> , <b>2021</b> , 10, e020002	6	1
342	Reimplantation for anomalous right coronary artery. <i>JTCVS Techniques</i> , <b>2021</b> , 7, 226-228	0.2	3
341	President's Page. <i>Canadian Journal of Cardiology</i> , <b>2021</b> , 37, 813-815	3.8	
340	Commentary: Does the SYNTAX (Synergy between PCI with Taxus and Cardiac Surgery) score even matter?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2021</b> ,	1.5	
339	Commentary: Complete revascularization in coronary artery bypass grafting-sometimes it pays to be conservative. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2021</b> ,	1.5	0

338	Cardiac Neural Crest Cells: Their Rhombomeric Specification, Migration, and Association with Heart and Great Vessel Anomalies. <i>Cellular and Molecular Neurobiology</i> , <b>2021</b> , 41, 403-429	4.6	7
337	Methodologic Considerations on Four Cardiovascular Interventions Trials With Contradictory Results. <i>Annals of Thoracic Surgery</i> , <b>2021</b> , 111, 690-699	2.7	5
336	Commentary: Coronary artery bypass grafting after acute myocardial infarction: Sound clinical judgment still prevails. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2021</b> , 161, 2068-2069	1.5	0
335	Patients With Severely Reduced Ejection Fraction Undergoing Revascularization-Is Something Missing?-Reply. <i>JAMA Cardiology</i> , <b>2021</b> , 6, 242	16.2	
334	Improving Care for Patients With Degenerative Mitral Regurgitation. <i>Annals of Thoracic Surgery</i> , <b>2021</b> , 111, 486-487	2.7	
333	Knowledge and Attitudes of Canadian Cardiac Surgeons Regarding Patients With Human Immunodeficiency Virus. <i>Annals of Thoracic Surgery</i> , <b>2021</b> , 111, 945-950	2.7	1
332	Cardiovascular Care Delivery During the Second Wave of COVID-19 in Canada. <i>Canadian Journal of Cardiology</i> , <b>2021</b> , 37, 790-793	3.8	3
331	Derivation of Patient-Defined Adverse Cardiovascular and Noncardiovascular Events Through a Modified Delphi Process. <i>JAMA Network Open</i> , <b>2021</b> , 4, e2032095	10.4	3
330	Commentary: A Long-Lasting Complication: Re-exploration for Bleeding and Its Negative Correlation With Long-Term Survival. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2021</b> , 33, 776-777	1.7	
329	The Coronaries <b>2021</b> , 277-284		
328	Long COVID-19: A Primer for Cardiovascular Health Professionals, on Behalf of the CCS Rapid Response Team. <i>Canadian Journal of Cardiology</i> , <b>2021</b> , 37, 1260-1262	3.8	4
327	Less invasive multivessel coronary artery bypass grafting: now is the time. <i>Current Opinion in Cardiology</i> , <b>2021</b> , 36, 735-739	2.1	
326	Durability of Minimally Invasive Coronary Artery Bypass Grafting. <i>Journal of the American College of Cardiology</i> , <b>2021</b> , 78, 1390-1391	15.1	1
325	2021: The American Association for Thoracic Surgery Expert Consensus Document: Coronary artery bypass grafting in patients with ischemic cardiomyopathy and heart failure. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2021</b> , 162, 829-850.e1	1.5	3
324	Commentary: Sternotomy for every cardiac surgery patient ain't the future, so let's get going. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2021</b> ,	1.5	
323	Commentary: Protect, prevent, prolong <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2020</b> ,	1.5	
322	Committee Recommendations for Resuming Cardiac Surgery Activity in the SARS-CoV-2 Era: Guidance From an International Cardiac Surgery Consortium. <i>Annals of Thoracic Surgery</i> , <b>2020</b> , 110, 725-732	7.3	15
321	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

320	Characteristics of Contemporary Randomized Clinical Trials and Their Association With the Trial Funding Source in Invasive Cardiovascular Interventions. <i>JAMA Internal Medicine</i> , <b>2020</b> , 180, 993-1001	11.5	16
319	Multidisciplinary Code Shock Team in Cardiogenic Shock: A Canadian Centre Experience. <i>CJC Open</i> , <b>2020</b> , 2, 249-257	2	15
318	Surgery for Mitral Valve Papillary Muscle Rupture: Implications of Replacement Versus Repair. <i>Annals of Thoracic Surgery</i> , <b>2020</b> , 110, 1982	2.7	1
317	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
316	Guiding Cardiac Care During the COVID-19 Pandemic: How Ethics Shapes Our Health System Response. <i>Canadian Journal of Cardiology</i> , <b>2020</b> , 36, 1313-1316	3.8	1
315	Delivering More of an Injectable Human Recombinant Collagen III Hydrogel Does Not Improve Its Therapeutic Efficacy for Treating Myocardial Infarction. <i>ACS Biomaterials Science and Engineering</i> , <b>2020</b> , 6, 4256-4265	5.5	3
314	Rationale and design of PROACT Xa: A randomized, multicenter, open-label, clinical trial to evaluate the efficacy and safety of apixaban versus warfarin in patients with a mechanical On-X Aortic Heart Valve. <i>American Heart Journal</i> , <b>2020</b> , 227, 91-99	4.9	19
313	Can heat therapy help patients with heart failure?. <i>Artificial Organs</i> , <b>2020</b> , 44, 680-692	2.6	3
312	Invited Commentary. <i>Annals of Thoracic Surgery</i> , <b>2020</b> , 110, 515-516	2.7	
311	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
310	Post-Discharge Cardiac Care in the Era of Coronavirus 2019: How Should We Prepare?. <i>Canadian Journal of Cardiology</i> , <b>2020</b> , 36, 956-960	3.8	5
309	Single Versus Multiple Arterial Revascularization in Patients With Reduced Renal Function: Long-term Outcome Comparisons in 23,406 CABG Patients From Ontario, Canada. <i>Annals of Surgery</i> , <b>2020</b> , 275,	7.8	4
308	Minimally Invasive Coronary Artery Bypass Grafting <b>2020</b> , 167-173		
307	Defining an Intraoperative Hypotension Threshold in Association with De Novo Renal Replacement Therapy after Cardiac Surgery. <i>Anesthesiology</i> , <b>2020</b> , 132, 1447-1457	4.3	7
306	Randomized, Controlled Trial Comparing Mitral Valve Repair With Leaflet Resection Versus Leaflet Preservation on Functional Mitral Stenosis: The CAMRA CardioLink-2 Study. <i>Circulation</i> , <b>2020</b> , 142, 1342-1350	16.7	7
305	Derivation and Validation of a Clinical Model to Predict Intensive Care Unit Length of Stay After Cardiac Surgery. <i>Journal of the American Heart Association</i> , <b>2020</b> , 9, e017847	6	9
304	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, 1638-1646	11.5	25
303	Impact of lipid levels and high-intensity statins on vein graft patency after CABG: Midterm results of the ACTIVE trial. <i>Journal of Cardiac Surgery</i> , <b>2020</b> , 35, 3286-3293	1.3	4

302	Direct Implant of a Transcatheter Aortic Valve Prosthesis for Prosthetic Mitral Valve Endocarditis. <i>CJC Open</i> , <b>2020</b> , 2, 303-305	2	
301	BEaTS—an open access 3D printed device for in vitro electromechanical stimulation of human induced pluripotent stem cells. <i>Scientific Reports</i> , <b>2020</b> , 10, 11274	4.9	5
300	Possible Link Between the ABO Blood Group of Bioprosthesis Recipients and Specific Types of Structural Degeneration. <i>Journal of the American Heart Association</i> , <b>2020</b> , 9, e015909	6	3
299	Publication of cardiac surgery research papers in top cardiovascular journals. <i>Journal of Cardiac Surgery</i> , <b>2020</b> , 35, 2734-2736	1.3	
298	Appropriate therapy for patients with stable ischemic heart disease: a review of literature and the implication of the International Study of Comparative Effectiveness with Medical and Invasive Approaches trial. <i>Current Opinion in Cardiology</i> , <b>2020</b> , 35, 658-663	2.1	2
297	Can Biomarkers Provide Right Ventricular-Specific Prognostication in the Perioperative Setting?. <i>Journal of Cardiac Failure</i> , <b>2020</b> , 26, 776-780	3.3	1
296	Is Late Left Ventricle Remodeling After Repair of Degenerative Mitral Regurgitation Worse in Women?. <i>Annals of Thoracic Surgery</i> , <b>2019</b> , 108, 1189-1193	2.7	5
295	Right Anterior Minithoracotomy for Aortic Valve Replacement: A Widely Applicable, Simple, and Stepwise Approach. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , <b>2019</b> , 14, 321-329	1.5	4
294	Aortic Stenosis and Small Aortic Annulus. <i>Circulation</i> , <b>2019</b> , 139, 2685-2702	16.7	31
293	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
292	Biomarkers in the Diagnosis, Management, and Prognostication of Perioperative Right Ventricular Failure in Cardiac Surgery-Are We There Yet?. <i>Journal of Clinical Medicine</i> , <b>2019</b> , 8,	5.1	5
291	Society of Cardiovascular Anesthesiologists/European Association of Cardiothoracic Anaesthetists Practice Advisory for the Management of Perioperative Atrial Fibrillation in Patients Undergoing Cardiac Surgery. <i>Anesthesia and Analgesia</i> , <b>2019</b> , 128, 33-42	3.9	19
290	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
289	Minimally Invasive Coronary Artery Bypass Grafting <b>2019</b> , 70-82		
288	Intensive versus moderate statin therapy and early graft occlusion after coronary bypass surgery: The Aggressive Cholesterol Therapy to Inhibit Vein Graft Events randomized clinical trial. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2019</b> , 157, 151-161.e1	1.5	10
287	Stroke After Coronary Artery Bypass Grafting and Percutaneous Coronary Intervention: Incidence, Pathogenesis, and Outcomes. <i>Journal of the American Heart Association</i> , <b>2019</b> , 8, e013032	6	19
286	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
285	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

284	Prevalence and Impact of Treatment Crossover in Cardiac Surgery Randomized Trials: A Meta-Epidemiologic Study. <i>Journal of the American Heart Association</i> , <b>2019</b> , 8, e013711	6	4
283	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
282	Therapeutic Use of Bioengineered Materials for Myocardial Infarction <b>2019</b> , 161-193		2
281	Modality Selection for the Revascularization of Left Main Disease. <i>Canadian Journal of Cardiology</i> , <b>2019</b> , 35, 983-992	3.8	13
280	Electroconductive materials as biomimetic platforms for tissue regeneration. <i>Biotechnology Advances</i> , <b>2019</b> , 37, 444-458	17.8	17
279	Multiarterial coronary artery bypass grafting: is the radial artery fulfilling the unkept promise of the right internal thoracic artery?. <i>Current Opinion in Cardiology</i> , <b>2019</b> , 34, 628-636	2.1	1
278	Renal insufficiency and severe coronary artery disease: should coronary artery bypass grafting, off-pump coronary artery bypass grafting or percutaneous coronary intervention be performed?. <i>Current Opinion in Cardiology</i> , <b>2019</b> , 34, 645-649	2.1	2
277	Hypotension and Stroke in Cardiac Surgery: Reply. <i>Anesthesiology</i> , <b>2019</b> , 131, 217-218	4.3	
276	Systematic Evaluation of the Robustness of the Evidence Supporting Current Guidelines on Myocardial Revascularization Using the Fragility Index. <i>Circulation: Cardiovascular Quality and Outcomes</i> , <b>2019</b> , 12, e006017	5.8	12
275	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
274	Cardiac Surgery in HIV Patients: State of the Art. <i>Canadian Journal of Cardiology</i> , <b>2019</b> , 35, 320-325	3.8	3
273	Collagen biomaterial stimulates the production of extracellular vesicles containing microRNA-21 and enhances the proangiogenic function of CD34 cells. <i>FASEB Journal</i> , <b>2019</b> , 33, 4166-4177	0.9	9
272	Ischemic and bleeding outcomes after coronary artery bypass grafting among patients initially treated with a P2Y receptor antagonist for acute coronary syndromes: Insights on timing of discontinuation of ticagrelor and clopidogrel prior to surgery. <i>European Heart Journal: Acute Cardiovascular Care</i> , <b>2019</b> , 8, 543-553	4.3	12
271	Invited Commentary. <i>Annals of Thoracic Surgery</i> , <b>2018</b> , 105, 777-778	2.7	
270	Minimally invasive cardiac surgery coronary artery bypass grafting (MICS CABG): a review of technique and literature. <i>Indian Journal of Thoracic and Cardiovascular Surgery</i> , <b>2018</b> , 34, 86-93	0.4	2
269	Implications of coronary artery bypass grafting and percutaneous coronary intervention on disease progression and the resulting changes to the physiology and pathology of the native coronary arteries. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2018</b> , 54, 809-816	3	6
268	Invited Commentary. <i>Annals of Thoracic Surgery</i> , <b>2018</b> , 106, 22-23	2.7	
267	Genetics, coronary artery disease, and myocardial revascularization: will novel genetic risk scores bring new answers?. <i>Indian Journal of Thoracic and Cardiovascular Surgery</i> , <b>2018</b> , 34, 213-221	0.4	



266	Blaise Pascal and the evidence on the use of multiple arterial grafts for coronary artery bypass surgery after the interim analysis of the Arterial Revascularization Trial. <i>Current Opinion in Cardiology</i> , <b>2018</b> , 33, 245-248	2.1	3
265	Impact of ticagrelor versus aspirin on graft patency after CABG: Rationale and design of the TARGET (ticagrelor antiplatelet therapy to reduce graft events and thrombosis) randomized controlled trial (NCT02053909). <i>Contemporary Clinical Trials</i> , <b>2018</b> , 68, 45-51	2.3	6
264	Eight-year follow-up of the Clopidogrel After Surgery for Coronary Artery Disease (CASCADE) trial. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2018</b> , 155, 212-222.e2	1.5	15
263	A novel echocardiographic hemodynamic index for predicting outcome of aortic stenosis patients following transcatheter aortic valve replacement. <i>PLoS ONE</i> , <b>2018</b> , 13, e0195641	3.7	5
262	Invited Commentary. <i>Annals of Thoracic Surgery</i> , <b>2018</b> , 106, 669	2.7	
261	Defining an Intraoperative Hypotension Threshold in Association with Stroke in Cardiac Surgery. <i>Anesthesiology</i> , <b>2018</b> , 129, 440-447	4.3	86
260	New Strategies for Surgical Myocardial Revascularization. <i>Circulation</i> , <b>2018</b> , 138, 2160-2168	16.7	21
259	Genetics of coronary artery disease: should they impact the choice of revascularization?. <i>Current Opinion in Cardiology</i> , <b>2018</b> , 33, 605-612	2.1	0
258	Impact of Preexisting Left Bundle Branch Block in Transcatheter Aortic Valve Replacement Recipients. <i>Circulation: Cardiovascular Interventions</i> , <b>2018</b> , 11, e006927	6	15
257	Myocardial Revascularization Trials. <i>Circulation</i> , <b>2018</b> , 138, 2943-2951	16.7	31
256	Disability-free survival after coronary artery bypass grafting in women and men with heart failure. <i>Open Heart</i> , <b>2018</b> , 5, e000911	3	19
255	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
254	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
253	Left ventricular function recovery after revascularization: comparative effects of percutaneous coronary intervention and coronary artery bypass grafting. <i>Current Opinion in Cardiology</i> , <b>2018</b> , 33, 633-637	2.1	7
252	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
251	Early vs Late Surgery for Patients With Endocarditis and Neurological Injury: A Systematic Review and Meta-analysis. <i>Canadian Journal of Cardiology</i> , <b>2018</b> , 34, 1185-1199	3.8	16
250	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
249	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

248	Invited Commentary. <i>Annals of Thoracic Surgery</i> , <b>2017</b> , 103, 593-594	2.7	
247	Optimizing the host substrate environment for cardiac angiogenesis, arteriogenesis, and myogenesis. <i>Expert Opinion on Biological Therapy</i> , <b>2017</b> , 17, 435-447	5.4	3
246	Echocardiography-Guided Intramyocardial Injection Method in a Murine Model. <i>Methods in Molecular Biology</i> , <b>2017</b> , 1553, 217-225	1.4	6
245	Collagen-Based Photoactive Agent for Tissue Bonding. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 9265-9270	9.5	15
244	Why NOBLE and EXCEL Are Consistent With Each Other and With Previous Trials. <i>Circulation</i> , <b>2017</b> , 135, 822-824	16.7	12
243	Clinical outcomes after trans-catheter aortic valve replacement in men and women in Ontario, Canada. <i>Catheterization and Cardiovascular Interventions</i> , <b>2017</b> , 90, 486-494	2.7	11
242	Intensive versus moderate atorvastatin therapy and one-year graft patency after CABG: Rationale and design of the ACTIVE (Aggressive Cholesterol Therapy to Inhibit Vein Graft Events) randomized controlled trial (NCT01528709). <i>Contemporary Clinical Trials</i> , <b>2017</b> , 59, 98-104	2.3	8
241	Innovations in tricuspid valve intervention. <i>Current Opinion in Cardiology</i> , <b>2017</b> , 32, 166-173	2.1	5
240	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
239	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
238	Cardiac passive-aggressive behavior? The right ventricle in patients with a left ventricular assist device. <i>Expert Review of Cardiovascular Therapy</i> , <b>2017</b> , 15, 267-276	2.5	4
237	Mechanisms, Consequences, and Prevention of Coronary Graft Failure. <i>Circulation</i> , <b>2017</b> , 136, 1749-1764	16.7	113
236	Reply. <i>Annals of Thoracic Surgery</i> , <b>2017</b> , 104, 1095	2.7	
235	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
234	Engineering Niches for Cardiovascular Tissue Regeneration <b>2017</b> , 459-478		1
233	What Is the Optimal Revascularization Strategy for Left Main Coronary Stenosis?. <i>JAMA Cardiology</i> , <b>2017</b> , 2, 1061-1062	16.2	4
232	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
231	Left main coronary stenosis: surgery still reigns. <i>Current Opinion in Cardiology</i> , <b>2017</b> , 32, 590-593	2.1	2



230	Repeat Revascularization After Minimally Invasive Coronary Artery Bypass Grafting: Is It a Problem?. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , <b>2017</b> , 12, 269-274	1.5	3
229	Mid-Term Follow-up of Minimally Invasive Multivessel Coronary Artery Bypass Grafting: Is the Early Learning Phase Detrimental?. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , <b>2017</b> , 12, 116-120	1.5	11
228	Clampless versus clamped coronary bypass grafting: does it make a difference?. <i>Current Opinion in Cardiology</i> , <b>2017</b> , 32, 737-743	2.1	3
227	When Should the Mitral Valve Be Repaired or Replaced in Patients With Ischemic Mitral Regurgitation?. <i>Annals of Thoracic Surgery</i> , <b>2017</b> , 103, 742-747	2.7	13
226	Randomised trial of mitral valve repair with leaflet resection versus leaflet preservation on functional mitral stenosis (The CAMRA CardioLink-2 Trial). <i>BMJ Open</i> , <b>2017</b> , 7, e015032	3	8
225	Mid-Term Follow-Up of Minimally Invasive Multivessel Coronary Artery Bypass Grafting. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , <b>2017</b> , 12, 116-120	1.5	3
224	Repeat Revascularization after Minimally Invasive Coronary Artery Bypass Grafting. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , <b>2017</b> , 12, 269-274	1.5	2
223	Consideration of Native Coronary Disease Progression in the Decision to Perform Hybrid Coronary Revascularization. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , <b>2017</b> , 12, 1-3	1.5	
222	Invited Commentary. <i>Annals of Thoracic Surgery</i> , <b>2016</b> , 102, 108	2.7	
221	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
220	Predictors and Outcomes of Sternotomy Conversion and Cardiopulmonary Bypass Assistance in Minimally Invasive Coronary Artery Bypass Grafting. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , <b>2016</b> , 11, 315-320	1.5	5
219	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
218	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
217	Off-pump minimally invasive coronary artery bypass grafting using the bilateral internal thoracic arteries and the right gastroepiploic artery. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2016</b> , 49, 1285-8	2.6	13
216	Predictors and Outcomes of Sternotomy Conversion and Cardiopulmonary Bypass Assistance in Minimally Invasive Coronary Artery Bypass Grafting. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , <b>2016</b> , 11, 315-320	1.5	2
215	The evolution of mitral valve prolapse: insights from the Framingham Heart Study. <i>Journal of Thoracic Disease</i> , <b>2016</b> , 8, E827-8	2.6	6
214	Determinants of late outcomes in women undergoing mitral repair of myxomatous degeneration. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2016</b> , 23, 779-783	1.8	12
213	Minimally Invasive Multivessel Coronary Surgery and Hybrid Coronary Revascularization: Can We Routinely Achieve Less Invasive Coronary Surgery?. <i>Methodist DeBakey Cardiovascular Journal</i> , <b>2016</b> , 12, 14-9	2.1	19

212	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
211	Aortic Root Rupture during Transcatheter Aortic Valve Implantation in a Patient with Idiopathic Thrombocytopenic Purpura: Utility of Transesophageal Echocardiography in Early Detection and Description of a Semiconservative Surgical Management Approach. <i>International Journal of Angiology</i> , <b>2016</b> , 25, e54-e57	1.1	
210	How Does Mitral Valve Repair Fail in Patients With Prolapse?-Insights From Longitudinal Echocardiographic Follow-Up. <i>Annals of Thoracic Surgery</i> , <b>2016</b> , 102, 1459-1465	2.7	11
209	Collagen matrix-induced expression of integrin $\alpha 5 \beta 1$ in circulating angiogenic cells can be targeted by matricellular protein CCN1 to enhance their function. <i>FASEB Journal</i> , <b>2015</b> , 29, 1198-207	0.9	7
208	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
207	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
206	Left ventricular assist device in the management of refractory electrical storm. <i>Perfusion (United Kingdom)</i> , <b>2015</b> , 30, 302-4	1.9	3
205	Minimally invasive coronary bypass in a patient with metal allergy. <i>Canadian Journal of Cardiology</i> , <b>2015</b> , 31, 364.e3-4	3.8	
204	Gender differences in outcomes following cardiac surgery: implications for managing patients with mitral valve disease. <i>Current Opinion in Cardiology</i> , <b>2015</b> , 30, 151-154	2.1	7
203	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
202	Letter by Al-Atassi et al Regarding Article, "Cost-Effectiveness of Percutaneous Coronary Intervention With Drug-Eluting Stents Versus Bypass Surgery for Patients With 3-Vessel or Left Main Coronary Artery Disease: Final Results From the Synergy Between Percutaneous Coronary Intervention With TAXUS and Cardiac Surgery (SYNTAX) Trial". <i>Circulation</i> , <b>2015</b> , 132, e10	16.7	
201	Dual antiplatelet therapy use by Canadian cardiac surgeons. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2015</b> , 150, 1548-54.e3	1.5	16
200	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
199	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
198	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
197	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
196	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
195	Invited Commentary. <i>Annals of Thoracic Surgery</i> , <b>2015</b> , 100, 2249-50	2.7	

194	Hybrid coronary revascularization: first choice or alternative?. <i>Interventional Cardiology</i> , <b>2015</b> , 7, 507-510;	4	
193	Operative mortality with coronary artery bypass graft: where do we stand in 2015?. <i>Current Opinion in Cardiology</i> , <b>2015</b> , 30, 611-8	2.1	4
192	Development of reporter gene imaging techniques for long-term assessment of human circulating angiogenic cells. <i>Biomedical Materials (Bristol)</i> , <b>2015</b> , 10, 034104	3.5	1
191	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, 219-229	1.5	3
190	Anticoagulation strategies for left ventricular assist devices. <i>Current Opinion in Cardiology</i> , <b>2015</b> , 30, 192-196	2.1	9
189	Determinants of left ventricular dysfunction after repair of chronic asymptomatic mitral regurgitation. <i>Annals of Thoracic Surgery</i> , <b>2015</b> , 99, 38-42	2.7	16
188	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
187	PET imaging of a collagen matrix reveals its effective injection and targeted retention in a mouse model of myocardial infarction. <i>Biomaterials</i> , <b>2015</b> , 49, 18-26	15.6	17
186	Impact of subglottic suctioning on the incidence of pneumonia after cardiac surgery: a retrospective observational study. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , <b>2015</b> , 29, 59-63	2.1	7
185	Subannular prosthetic valve embolization complicating transapical transcatheter aortic valve implantation: management without sternotomy. <i>Canadian Journal of Cardiology</i> , <b>2015</b> , 31, 227.e7-9	3.8	
184	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
183	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
182	Matrix Therapies for Cell Support and Cardiac Repair <b>2015</b> , 117-158		2
181	Left ventricular assist device outflow graft disconnection. <i>Canadian Journal of Cardiology</i> , <b>2014</b> , 30, 247.e13-5	3.1	13
180	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
179	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
178	First direct aortic retrievable transcatheter aortic valve implantation in humans. <i>Canadian Journal of Cardiology</i> , <b>2014</b> , 30, 1461.e9-11	3.8	2
177	Impact of clopidogrel plus aspirin versus aspirin alone on the progression of native coronary artery disease after bypass surgery: analysis from the Clopidogrel After Surgery for Coronary Artery DiseaseE (CASCADE) randomized trial. <i>Circulation</i> , <b>2014</b> , 130, S12-8	16.7	19

176	Contemporary midterm echocardiographic outcomes of Bentall procedure and aortic valve sparing root replacement. <i>Annals of Thoracic Surgery</i> , <b>2014</b> , 98, 590-6	2.7	11
175	Hyperglycemia inhibits cardiac stem cell-mediated cardiac repair and angiogenic capacity. <i>Circulation</i> , <b>2014</b> , 130, S70-6	16.7	44
174	Perioperative deaths after mitral valve operations may be overestimated by contemporary risk models. <i>Annals of Thoracic Surgery</i> , <b>2014</b> , 98, 605-10; discussion 610	2.7	12
173	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
172	The role of integrin $\alpha$ 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
171	Letter by Toeg et al regarding article, "Outcomes with coronary artery bypass graft surgery versus percutaneous coronary intervention for patients with diabetes mellitus: can newer generation drug-eluting stents bridge the gap?". <i>Circulation: Cardiovascular Interventions</i> , <b>2014</b> , 7, 728	6	2
170	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
169	Hybrid approach for coronary artery revascularization: where do we stand?. <i>Current Opinion in Cardiology</i> , <b>2014</b> , 29, 534-41	2.1	5
168	An update on mechanical circulatory support for heart failure therapy. <i>Current Opinion in Cardiology</i> , <b>2014</b> , 29, 167-73	2.1	8
167	High-risk mitral valve surgery: what is the role of risk calculators?. <i>Current Opinion in Cardiology</i> , <b>2014</b> , 29, 123-6	2.1	4
166	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
165	Preparation and characterization of circulating angiogenic cells for tissue engineering applications. <i>Methods in Molecular Biology</i> , <b>2014</b> , 1181, 27-38	1.4	2
164	Determinants of persistent or recurrent congestive heart failure after contemporary surgical aortic valve replacement. <i>Journal of Heart Valve Disease</i> , <b>2014</b> , 23, 665-70		6
163	Does high-density lipoprotein influence the development of saphenous vein graft disease after coronary bypass surgery?: exploratory analysis from the CASCADE trial. <i>Journal of Cardiothoracic Surgery</i> , <b>2013</b> , 8, 172	1.6	9
162	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
161	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
160	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
159	Testosterone enhances cardiomyogenesis in stem cells and recruits the androgen receptor to the MEF2C and HCN4 genes. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2013</b> , 60, 164-71	5.8	16

158	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
157	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
156	Myosin phosphatase modulates the cardiac cell fate by regulating the subcellular localization of Nkx2.5 in a Wnt/Rho-associated protein kinase-dependent pathway. <i>Circulation Research</i> , <b>2013</b> , 112, 257-66	15.7	11
155	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
154	Current readings: status of tricuspid valve repair. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2013</b> , 25, 30-7	1.7	1
153	Posterior mitral abscess with bypass grafting before annulus reconstruction: a case report. <i>Canadian Journal of Cardiology</i> , <b>2013</b> , 29, 1742.e9-11	3.8	1
152	Successful pulmonary thrombectomy for malignant tumor thrombus after adrenal cancer resection. <i>Canadian Journal of Cardiology</i> , <b>2013</b> , 29, 1532.e19-21	3.8	
151	Invited commentary. <i>Annals of Thoracic Surgery</i> , <b>2013</b> , 96, 1381	2.7	
150	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
149	Cell-based vasculogenic studies in preclinical models of chronic myocardial ischaemia and hibernation. <i>Expert Opinion on Biological Therapy</i> , <b>2013</b> , 13, 411-28	5.4	8
148	Preclinical evaluation of biopolymer-delivered circulating angiogenic cells in a swine model of hibernating myocardium. <i>Circulation: Cardiovascular Imaging</i> , <b>2013</b> , 6, 982-91	3.9	8
147	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
146	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
145	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
144	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
143	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
142	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
141	Should we anticoagulate after bioprosthetic aortic valve replacement?. <i>Expert Review of Cardiovascular Therapy</i> , <b>2013</b> , 11, 1649-57	2.5	1



140	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
139	Can Minimally Invasive Coronary Artery Bypass Grafting be Initiated and Practiced Safely?. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , <b>2013</b> , 8, 403-409	1.5	6
138	Invited commentary. <i>Annals of Thoracic Surgery</i> , <b>2012</b> , 94, 71	2.7	5
137	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
136	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
135	Off-pump coronary artery bypass grafting does not preserve renal function better than on-pump coronary artery bypass grafting: results of a case-matched study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2012</b> , 143, 85-92	1.5	10
134	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
133	Mechanical valve thrombosis with dabigatran. <i>Journal of the American College of Cardiology</i> , <b>2012</b> , 60, 1710-1	15.1	33
132	Invited commentary. <i>Annals of Thoracic Surgery</i> , <b>2012</b> , 94, 776-7	2.7	3
131	Invited commentary. <i>Annals of Thoracic Surgery</i> , <b>2012</b> , 94, 1945-6	2.7	
130	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
129	Aortic valve cusp shearing and migration into the left main coronary artery during transcatheter aortic valve implantation. <i>Canadian Journal of Cardiology</i> , <b>2012</b> , 28, 611.e1-3	3.8	4
128	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
127	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
126	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
125	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
124	Early surgery for infective endocarditis. <i>New England Journal of Medicine</i> , <b>2012</b> , 367, 1365-6; author reply 1366-7	59.2	
123	Regenerative therapies for improving myocardial perfusion in patients with cardiovascular disease: failure to meet expectations but optimism for the future. <i>Current Vascular Pharmacology</i> , <b>2012</b> , 10, 300-3	3.3	3



122	Cerebral microembolization after bioprosthetic aortic valve replacement: comparison of warfarin plus aspirin versus aspirin only. <i>Circulation</i> , <b>2012</b> , 126, S239-44	16.7	17
121	Should Jehovah's Witness patients be listed for heart transplantation?. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2012</b> , 15, 716-9	1.8	3
120	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
119	Response to Letter Regarding Article, Reoperation of Left Heart Valve Bioprostheses According to Age at Implantation. <i>Circulation</i> , <b>2012</b> , 125,	16.7	1
118	Comparison of the EuroSCORE and Cardiac Anesthesia Risk Evaluation (CARE) score for risk-adjusted mortality analysis in cardiac surgery. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2012</b> , 41, 307-13	3	15
117	Clinically relevant extracellular-matrix scaffolds for cell transplantation and vascular repair. <i>Current Vascular Pharmacology</i> , <b>2012</b> , 10, 322-30	3.3	2
116	(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
115	Clopidogrel after coronary artery bypass graft surgery: insufficient evidence. <i>Journal of the American College of Cardiology</i> , <b>2011</b> , 58, 1084-5; author reply 1085-6	15.1	2
114	Repeat cardiac surgery in a Jehovah's Witness patient with thrombocytopenia. <i>Canadian Journal of Cardiology</i> , <b>2011</b> , 27, 869.e7-8	3.8	2
113	Successful surgical repair of ventricular double rupture. <i>Canadian Journal of Cardiology</i> , <b>2011</b> , 27, 868.e53-8	3.8	5
112	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
111	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
110	Controlled release of stromal cell-derived factor-1 for enhanced progenitor response in ischemia. <i>Journal of Controlled Release</i> , <b>2011</b> , 152 Suppl 1, e216-8	11.7	6
109	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
108	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
107	Mesenchymal stem cells for cardiovascular regeneration. <i>Cardiovascular Drugs and Therapy</i> , <b>2011</b> , 25, 349-62	3.9	36
106	Collagen scaffolds with or without the addition of RGD peptides support cardiomyogenesis after aggregation of mouse embryonic stem cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , <b>2011</b> , 47, 653-64	2.6	13
105	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

104	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
103	Reoperation of left heart valve bioprostheses according to age at implantation. <i>Circulation</i> , <b>2011</b> , 124, S75-80	16.7	83
102	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
101	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
100	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
99	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
98	A collagen-chitosan hydrogel for endothelial differentiation and angiogenesis. <i>Tissue Engineering - Part A</i> , <b>2010</b> , 16, 3099-109	3.9	118
97	Malignant invasion of sternotomy incision after cardiac operation. <i>Annals of Thoracic Surgery</i> , <b>2010</b> , 89, 1295-6	2.7	4
96	Interventional valve surgery: building a team and working together. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2010</b> , 22, 145-9	1.7	10
95	Application of Chitosan-Based Biomaterials for Blood Vessel Regeneration. <i>Macromolecular Symposia</i> , <b>2010</b> , 297, 138-146	0.8	8
94	Transcatheter aortic-valve replacement: a cardiac surgeon and cardiologist team perspective. <i>Current Opinion in Cardiology</i> , <b>2010</b> , 25, 107-13	2.1	9
93	The future of regenerating the myocardium. <i>Current Opinion in Cardiology</i> , <b>2010</b> , 25, 575-82	2.1	16
92	Urgent replacement of a mechanical mitral prosthesis in an anticoagulated patient with Bombay red blood cell phenotype. <i>Canadian Journal of Anaesthesia</i> , <b>2010</b> , 57, 583-7	3	3
91	Apico-Aortic Conduit for severe aortic stenosis: Technique, applications, and systematic review. <i>Journal of the Saudi Heart Association</i> , <b>2010</b> , 22, 187-94	0.7	5
90	Impairment of human cell-based vasculogenesis in rats by hypercholesterolemia-induced endothelial dysfunction and rescue with L-arginine supplementation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2010</b> , 139, 209-216.e2	1.5	12
89	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
88	In vitro functional comparison of therapeutically relevant human vasculogenic progenitor cells used for cardiac cell therapy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2010</b> , 140, 216-24, 224.e1-4	1.5	12
87	Frequency and surgical management of complex posterior leaflet prolapse of the mitral valve. <i>Journal of Heart Valve Disease</i> , <b>2010</b> , 19, 568-75		2

86	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
85	A method to distinguish between gaseous and solid cerebral emboli in patients with prosthetic heart valves. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2009</b> , 35, 89-95	3	13
84	Surgical approach to repair of ruptured chordae tendineae causing tricuspid regurgitation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2009</b> , 137, e30-2	1.5	2
83	Prosthesis-patient mismatch is less frequent and more clinically indolent in patients operated for aortic insufficiency. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2009</b> , 138, 639-45	1.5	6
82	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
81	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
80	Invited commentary. <i>Annals of Thoracic Surgery</i> , <b>2009</b> , 88, 535-6	2.7	1
79	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
78	Avoiding prosthesis-patient mismatch in the elderly: options other than mechanical prostheses. <i>Annals of Thoracic Surgery</i> , <b>2009</b> , 88, 1049-50; author reply 1050-1	2.7	0
77	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
76	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
75	Minimally invasive cardiac surgery: new challenges for the surgeon and the anesthesiologist. <i>Techniques in Regional Anesthesia and Pain Management</i> , <b>2008</b> , 12, 72-79		2
74	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
73	Improving cell engraftment with tissue engineering. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2008</b> , 20, 110-4	1.7	22
72	Impact of statin use on outcomes after coronary artery bypass graft surgery. <i>Circulation</i> , <b>2008</b> , 118, 1785-92	5.07	92
71	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
70	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
69	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

68	Transcranial Doppler and acoustic pressure fluctuations for the assessment of cavitation and thromboembolism in patients with mechanical heart valves. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2008</b> , 7, 179-83	1.8	4
67	Clopidogrel is safe early after on- and off-pump coronary artery bypass surgery. <i>Journal of Cardiac Surgery</i> , <b>2007</b> , 22, 493-7	1.3	17
66	Differential effects on the mesenteric microcirculatory response to vasopressin and phenylephrine after cardiopulmonary bypass. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2007</b> , 133, 682-8	1.5	15
65	Intraoperative indocyanine green angiography: ready for prime time?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2007</b> , 133, 592-3	1.5	0
64	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
63	Infected right ventricular myxoma and pulmonary valve endocarditis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2007</b> , 134, 248-9	1.5	4
62	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
61	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
60	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
59	The "hybrid flip-over" technique for anterior leaflet prolapse repair. <i>Annals of Thoracic Surgery</i> , <b>2007</b> , 83, 322-3	2.7	7
58	Valproic acid and bleeding: caution required. <i>Annals of Thoracic Surgery</i> , <b>2007</b> , 83, 725; author reply 725-6.7		3
57	Radial artery graft treatment with phenoxybenzamine is clinically safe and may reduce perioperative myocardial injury. <i>Annals of Thoracic Surgery</i> , <b>2007</b> , 83, 502-9	2.7	14
56	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
55	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
54	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
53	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
52	Angiogenesis for the treatment of inoperable coronary disease: the future. <i>Seminars in Cardiothoracic and Vascular Anesthesia</i> , <b>2006</b> , 10, 184-8	1.4	5
51	Generation of CD133+ cells from CD133- peripheral blood mononuclear cells and their properties. <i>Cardiovascular Research</i> , <b>2006</b> , 70, 126-35	9.9	19

50	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
49	Reply to Takagi et al.. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2006</b> , 29, 633-633	3	
48	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
47	Long-term outcomes after valve replacement for low-gradient aortic stenosis: impact of prosthesis-patient mismatch. <i>Circulation</i> , <b>2006</b> , 114, 1553-8	16.7	48
46	Reply to Wu and Grunkemeier. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2006</b> , 30, 954	3	
45	Mortality and myocardial infarction following surgical versus percutaneous revascularization of isolated left anterior descending artery disease: a meta-analysis. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2006</b> , 29, 65-70	3	14
44	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
43	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
42	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
41	Invited commentary. <i>Annals of Thoracic Surgery</i> , <b>2006</b> , 81, 167-8	2.7	
40	CD117-positive cells and mast cells in adult human cardiac valves--observations and implications for the creation of bioengineered grafts. <i>Cardiovascular Pathology</i> , <b>2006</b> , 15, 36-40	3.8	20
39	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
38	Combined atrial fibrillation ablation with mitral valve surgery. <i>Journal of Heart Valve Disease</i> , <b>2006</b> , 15, 515-20		5
37	Delayed thrombin generation with hirudin anticoagulation during prolonged cardiopulmonary bypass. <i>Annals of Thoracic Surgery</i> , <b>2005</b> , 79, 334-6	2.7	3
36	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
35	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
34	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
33	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

32	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
31	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
30	Nitric oxide and the angiogenic response: can we improve the results of therapeutic angiogenesis?. <i>Expert Opinion on Investigational Drugs</i> , <b>2005</b> , 14, 37-44	5.9	9
29	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
28	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
27	Minimally invasive direct coronary artery bypass for the treatment of isolated disease of the left anterior descending coronary artery. <i>Canadian Journal of Surgery</i> , <b>2005</b> , 48, 307-10	2	9
26	Vasomotor dysfunction after cardiac surgery. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2004</b> , 26, 1002-14	5	67
25	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
24	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
23	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
22	Inhibition of the cardiac angiogenic response to exogenous vascular endothelial growth factor. <i>Surgery</i> , <b>2004</b> , 136, 407-15	3.6	38
21	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
20	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
19	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
18	Protein-, gene-, and cell-based therapeutic angiogenesis for the treatment of myocardial ischemia. <i>Molecular and Cellular Biochemistry</i> , <b>2004</b> , 264, 119-31	4.2	16
17	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
16	Internal thoracic artery flow competition: studies in a canine H-graft model. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2003</b> , 23, 56-9	3	1
15	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



14	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
13	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
12	Activation of pulmonary mitogen-activated protein kinases during cardiopulmonary bypass. <i>Journal of Surgical Research</i> , <b>2003</b> , 115, 56-62	2.5	17
11	Vascular growth factors and angiogenesis in cardiac surgery. <i>Annals of Thoracic Surgery</i> , <b>2003</b> , 75, S685-90	2.7	36
10	Endogenous myocardial angiogenesis and revascularization using a gastric submucosal patch. <i>Annals of Thoracic Surgery</i> , <b>2003</b> , 75, 1443-9	2.7	16
9	Angiogenic protein therapy. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2003</b> , 15, 222-35	1.7	17
8	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
7	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
6	Intracardiac ultrasonic suture welding for knotless mitral valve replacement. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2002</b> , 21, 245-8	3	3
5	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
4	Resection of right atrial tumor thrombi without circulatory arrest. <i>Annals of Thoracic Surgery</i> , <b>2001</b> , 71, 733-4	2.7	17
3	Is tranexamic acid safe in patients undergoing coronary endarterectomy?. <i>Annals of Thoracic Surgery</i> , <b>2001</b> , 71, 1508-11	2.7	13
2	Circuits with surface modifying additive alter the haemodynamic response to cardiopulmonary bypass. <i>European Journal of Cardio-thoracic Surgery</i> , <b>1999</b> , 15, 353-8	3	11
1	Recombinant Human Collagen Hydrogel Rapidly Reduces Methylglyoxal Adducts within Cardiomyocytes and Improves Borderzone Contractility after Myocardial Infarction in Mice. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2004076	15.6	1