

Marc A Ruel

List of Publications by Year in descending order

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403
papers

12,615
citations

20759

60
h-index

39575

94
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414
all docs

414
docs citations

414
times ranked

11829
citing authors

#	ARTICLE	IF	CITATIONS
1	Predictive Factors, Management, and Clinical Outcomes of Coronary Obstruction Following Transcatheter Aortic Valve Implantation. <i>Journal of the American College of Cardiology</i> , 2013, 62, 1552-1562.	1.2	502
2	Secondary Prevention After Coronary Artery Bypass Graft Surgery. <i>Circulation</i> , 2015, 131, 927-964.	1.6	313
3	Adverse Effects Associated With Transcatheter Aortic Valve Implantation. <i>Annals of Internal Medicine</i> , 2013, 158, 35.	2.0	237
4	Mechanisms, Consequences, and Prevention of Coronary Graft Failure. <i>Circulation</i> , 2017, 136, 1749-1764.	1.6	211
5	Late Cardiac Death in Patients Undergoing Transcatheter Aortic Valve Replacement. <i>Journal of the American College of Cardiology</i> , 2015, 65, 437-448.	1.2	196
6	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> , 2013, 1, 317-328.	5.5	195
7	Aspirin Plus Clopidogrel Versus Aspirin Alone After Coronary Artery Bypass Grafting. <i>Circulation</i> , 2010, 122, 2680-2687.	1.6	183
8	Minimally Invasive Coronary Artery Bypass Grafting. <i>Circulation</i> , 2009, 120, S78-84.	1.6	179
9	Skeletonized Internal Thoracic Artery Harvest Reduces Pain and Dysesthesia and Improves Sternal Perfusion After Coronary Artery Bypass Surgery. <i>Circulation</i> , 2006, 114, 766-773.	1.6	175
10	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> , 2006, 131, 1036-1044.	0.4	175
11	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> , 2016, 35, 795-807.	0.3	161
12	Long-term effects of surgical angiogenic therapy with fibroblast growth factor 2 protein. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2002, 124, 28-34.	0.4	145
13	Transcatheter Aortic Valve Implantation: A Canadian Cardiovascular Society Position Statement. <i>Canadian Journal of Cardiology</i> , 2012, 28, 520-528.	0.8	142
14	A Collagen-Chitosan Hydrogel for Endothelial Differentiation and Angiogenesis. <i>Tissue Engineering - Part A</i> , 2010, 16, 3099-3109.	1.6	139
15	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> , 2017, 52, 1031-1040.	0.6	136
16	Very Long-Term Survival Implications of Heart Valve Replacement With Tissue Versus Mechanical Prostheses in Adults <60 Years of Age. <i>Circulation</i> , 2007, 116, 1294-300.	1.6	133
17	Late incidence and predictors of persistent or recurrent heart failure in patients with aortic prosthetic valves. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2004, 127, 149-159.	0.4	128
18	Late incidence and predictors of persistent or recurrent heart failure in patients with mitral prosthetic valves. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2004, 128, 278-283.	0.4	128

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19	Clinical and Echocardiographic Impact of Functional Tricuspid Regurgitation Repair at the Time of Mitral Valve Replacement. <i>Annals of Thoracic Surgery</i> , 2009, 88, 1209-1215.	0.7	127
20	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> , 2006, 114, 1-138-1-144.	1.6	124
21	Defining an Intraoperative Hypotension Threshold in Association with Stroke in Cardiac Surgery. <i>Anesthesiology</i> , 2018, 129, 440-447.	1.3	124
22	Late incidence and determinants of reoperation in patients with prosthetic heart valves. <i>European Journal of Cardio-thoracic Surgery</i> , 2004, 25, 364-370.	0.6	123
23	Natural History and Management of Aortocoronary Saphenous Vein Graft Aneurysms. <i>Circulation</i> , 2012, 126, 2248-2256.	1.6	122
24	Mechanical versus bioprosthetic valve replacement in middle-aged patients. <i>European Journal of Cardio-thoracic Surgery</i> , 2006, 30, 485-491.	0.6	120
25	Long-term outcomes of valve replacement with modern prostheses in young adults. <i>European Journal of Cardio-thoracic Surgery</i> , 2005, 27, 425-433.	0.6	114
26	Percutaneous Mitral Valve Repair for Chronic Ischemic Mitral Regurgitation. <i>Circulation</i> , 2005, 111, 2183-2189.	1.6	109
27	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> , 2014, 35, 133-142.	5.7	104
28	Results of the minimally invasive coronary artery bypass grafting angiographic patency study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 147, 203-209.	0.4	104
29	Injectable human recombinant collagen matrices limit adverse remodeling and improve cardiac function after myocardial infarction. <i>Nature Communications</i> , 2019, 10, 4866.	5.8	103
30	Late incidence and determinants of stroke after aortic and mitral valve replacement. <i>Annals of Thoracic Surgery</i> , 2004, 78, 77-83.	0.7	102
31	Natural History and Predictors of Outcome in Patients With Concomitant Functional Mitral Regurgitation at the Time of Aortic Valve Replacement. <i>Circulation</i> , 2006, 114, 1-541-1-546.	1.6	102
32	Impact of Statin Use on Outcomes After Coronary Artery Bypass Graft Surgery. <i>Circulation</i> , 2008, 118, 1785-1792.	1.6	102
33	Genetics and Genomics for the Prevention and Treatment of Cardiovascular Disease: Update. <i>Circulation</i> , 2013, 128, 2813-2851.	1.6	100
34	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> , 2020, 5, 631.	3.0	100
35	Enlargement of the Small Aortic Root During Aortic Valve Replacement: Is There a Benefit?. <i>Annals of Thoracic Surgery</i> , 2008, 85, 94-100.	0.7	99
36	Reoperation of Left Heart Valve Bioprostheses According to Age at Implantation. <i>Circulation</i> , 2011, 124, S75-80.	1.6	99

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37	The impact of patient-prosthesis mismatch on late outcomes after mitral valve replacement. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007, 133, 1464-1473.e3.	0.4	95
38	Clinical Impact of Mild Acute Kidney Injury After Cardiac Surgery. <i>Annals of Thoracic Surgery</i> , 2014, 98, 815-822.	0.7	92
39	Exploiting extracellular matrix-stem cell interactions: A review of natural materials for therapeutic muscle regeneration. <i>Biomaterials</i> , 2012, 33, 428-443.	5.7	88
40	A new and simplified method for coronary and graft imaging during CABG. <i>Heart Surgery Forum</i> , 2002, 5, 141-4.	0.2	88
41	Clinical Impact of Baseline Right Bundle Branch Block in Patients Undergoing Transcatheter Aortic Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2017, 10, 1564-1574.	1.1	87
42	Timing underpins the benefits associated with injectable collagen biomaterial therapy for the treatment of myocardial infarction. <i>Biomaterials</i> , 2015, 39, 182-192.	5.7	85
43	Vasomotor dysfunction after cardiac surgery. <i>European Journal of Cardio-thoracic Surgery</i> , 2004, 26, 1002-1014.	0.6	82
44	Statin Therapy and Saphenous Vein Graft Disease After Coronary Bypass Surgery: Analysis From the CASCADE Randomized Trial. <i>Annals of Thoracic Surgery</i> , 2011, 92, 1284-1291.	0.7	82
45	The Learning Curve and Annual Procedure Volume Standards for Optimum Outcomes of Transcatheter Aortic Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 1669-1679.	1.1	82
46	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> , 2013, 146, 1033-1040.e4.	0.4	80
47	Clinical Impact of Changes in Left Ventricular Function After Aortic Valve Replacement. <i>Circulation</i> , 2015, 132, 741-747.	1.6	80
48	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> , 2013, 111, 1026-1033.	0.7	79
49	Nanoengineered Electroconductive Collagen-Based Cardiac Patch for Infarcted Myocardium Repair. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 44668-44677.	4.0	77
50	Transfemoral vs Non-transfemoral Access for Transcatheter Aortic Valve Implantation: A Systematic Review and Meta-analysis. <i>Canadian Journal of Cardiology</i> , 2015, 31, 1427-1438.	0.8	76
51	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> , 2013, 146, 1418-1425.	0.4	73
52	Twenty-year durability of the aortic Hancock II bioprosthesis in young patients: is it durable enough?. <i>European Journal of Cardio-thoracic Surgery</i> , 2014, 46, 825-830.	0.6	72
53	Overall and Cause-Specific Mortality in Randomized Clinical Trials Comparing Percutaneous Interventions With Coronary Bypass Surgery. <i>JAMA Internal Medicine</i> , 2020, 180, 1638.	2.6	72
54	Response of Cardiac Surgery Units to COVID-19. <i>Circulation</i> , 2020, 142, 300-302.	1.6	72

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55	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> , 2011, 40, 804-10.	0.6	71
56	Impact of preoperative fractional flow reserve on arterial bypass graft anastomotic function: the IMPAG trial. <i>European Heart Journal</i> , 2019, 40, 2421-2428.	1.0	70
57	Surgical Management of Infective Endocarditis Complicated by Embolic Stroke. <i>Circulation</i> , 2016, 134, 1280-1292.	1.6	69
58	Long-Term Outcomes After Valve Replacement for Low-Gradient Aortic Stenosis: Impact of Prosthesis-Patient Mismatch. <i>Circulation</i> , 2006, 114, I-553-I-558.	1.6	68
59	Cardiac Rehabilitation During the COVID-19 Era: Guidance on Implementing Virtual Care. <i>Canadian Journal of Cardiology</i> , 2020, 36, 1317-1321.	0.8	68
60	Off-Pump Coronary Artery Bypass Grafting: 30 Years of Debate. <i>Journal of the American Heart Association</i> , 2018, 7, e009934.	1.6	67
61	Aortic Stenosis and Small Aortic Annulus. <i>Circulation</i> , 2019, 139, 2685-2702.	1.6	67
62	Effects of Methylprednisolone and a Biocompatible Copolymer Circuit on Blood Activation During Cardiopulmonary Bypass. <i>Annals of Thoracic Surgery</i> , 2005, 79, 655-665.	0.7	66
63	Antithrombotic treatment after coronary artery bypass graft surgery: systematic review and network meta-analysis. <i>BMJ: British Medical Journal</i> , 2019, 367, l5476.	2.4	66
64	Statins and coronary artery bypass graft surgery: preoperative and postoperative efficacy and safety. <i>Expert Opinion on Drug Safety</i> , 2009, 8, 559-571.	1.0	64
65	Should dual antiplatelet therapy be used in patients following coronary artery bypass surgery? A meta-analysis of randomized controlled trials. <i>BMC Surgery</i> , 2015, 15, 112.	0.6	63
66	Predictors and Impact of Myocardial Injury After Transcatheter Aortic Valve Replacement. <i>Journal of the American College of Cardiology</i> , 2015, 66, 2075-2088.	1.2	63
67	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> , 2020, 227, 91-99.	1.2	60
68	Gene expression profile after cardiopulmonary bypass and cardioplegic arrest. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2003, 126, 1521-1530.	0.4	58
69	Correlates of Saphenous Vein Graft Hyperplasia and Occlusion 1 Year After Coronary Artery Bypass Grafting. <i>Circulation</i> , 2013, 128, S213-8.	1.6	56
70	Arterial Grafts for Coronary Bypass. <i>Circulation</i> , 2019, 140, 1273-1284.	1.6	56
71	Long-Term Clinical and Hemodynamic Performance of the Hancock II Versus the Perimount Aortic Bioprostheses. <i>Circulation</i> , 2010, 122, S10-S16.	1.6	53
72	How detrimental is reexploration for bleeding after cardiac surgery?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 154, 927-935.	0.4	53

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73	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> , 2007, 23, 363-367.	0.8	52
74	Patterns and predictors of statin use after coronary artery bypass graft surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2007, 134, 932-938.	0.4	52
75	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> , 2011, 92, 1358-1366.	0.7	52
76	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> , 2015, 10, 219-229.	0.4	52
77	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> , 2018, 7, .	1.6	52
78	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> , 2019, 128, 33-42.	1.1	52
79	Collagen-Based Matrices Improve the Delivery of Transplanted Circulating Progenitor Cells. <i>Circulation: Cardiovascular Imaging</i> , 2008, 1, 197-204.	1.3	51
80	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> , 2012, 144, 874-879.	0.4	51
81	Human Blood and Cardiac Stem Cells Synergize to Enhance Cardiac Repair When Cotransplanted Into Ischemic Myocardium. <i>Circulation</i> , 2013, 128, S105-12.	1.6	51
82	Hyperglycemia Inhibits Cardiac Stem Cell-Mediated Cardiac Repair and Angiogenic Capacity. <i>Circulation</i> , 2014, 130, S70-6.	1.6	51
83	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> , 2009, 23, 1447-1458.	0.2	50
84	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> , 2019, 33, 12-26.	0.6	50
85	Centrifugal Pump and Roller Pump in Adult Cardiac Surgery: A Meta-Analysis of Randomized Controlled Trials. <i>Artificial Organs</i> , 2012, 36, 668-676.	1.0	49
86	Paracrine Engineering of Human Cardiac Stem Cells With Insulin-Like Growth Factor 1 Enhances Myocardial Repair. <i>Journal of the American Heart Association</i> , 2015, 4, e002104.	1.6	48
87	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> , 2005, 130, 633-639.	0.4	47
88	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> , 2007, 134, 1249-1258.	0.4	46
89	Myocardial Revascularization Trials. <i>Circulation</i> , 2018, 138, 2943-2951.	1.6	46
90	Stroke After Coronary Artery Bypass Grafting and Percutaneous Coronary Intervention: Incidence, Pathogenesis, and Outcomes. <i>Journal of the American Heart Association</i> , 2019, 8, e013032.	1.6	45

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91	Tracking Stem Cell Therapy in the Myocardium: Applications of Positron Emission Tomography. <i>Current Pharmaceutical Design</i> , 2008, 14, 3835-3853.	0.9	44
92	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> , 2012, 24, 79-83.	0.4	44
93	Multidisciplinary Code Shock Team in Cardiogenic Shock: A Canadian Centre Experience. <i>CJC Open</i> , 2020, 2, 249-257.	0.7	44
94	Differences in Gene Expression Profiles of Diabetic and Nondiabetic Patients Undergoing Cardiopulmonary Bypass and Cardioplegic Arrest. <i>Circulation</i> , 2004, 110, II-280-II-286.	1.6	43
95	Antiplatelet therapy and coronary artery bypass graft surgery: perioperative safety and efficacy. <i>Expert Opinion on Drug Safety</i> , 2009, 8, 169-182.	1.0	43
96	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> , 2010, 140, 1053-1058.e2.	0.4	43
97	Mesenchymal Stem Cells for Cardiovascular Regeneration. <i>Cardiovascular Drugs and Therapy</i> , 2011, 25, 349-362.	1.3	43
98	Heart valve prosthesis selection in patients with end-stage renal disease requiring dialysis: a systematic review and meta-analysis. <i>Heart</i> , 2011, 97, 2033-2037.	1.2	43
99	Inhibition of the cardiac angiogenic response to exogenous vascular endothelial growth factor. <i>Surgery</i> , 2004, 136, 407-415.	1.0	42
100	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> , 2015, 8, .	1.4	42
101	Postoperative naproxen after coronary artery bypass surgery: a double-blind randomized controlled trial. <i>European Journal of Cardio-thoracic Surgery</i> , 2004, 26, 694-700.	0.6	41
102	Response to Letter Regarding Article, "Long-Term Outcomes After Valve Replacement for Low-Gradient Aortic Stenosis: Impact of Prosthesis-Patient Mismatch". <i>Circulation</i> , 2006, 114, .	1.6	40
103	Mechanical Valve Thrombosis With Dabigatran. <i>Journal of the American College of Cardiology</i> , 2012, 60, 1710-1711.	1.2	40
104	Injectable Small Intestine Submucosal Extracellular Matrix in an Acute Myocardial Infarction Model. <i>Annals of Thoracic Surgery</i> , 2013, 96, 1686-1694.	0.7	40
105	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> , 2008, 135, 762-770.e1.	0.4	39
106	Minimally Invasive coronary surgery compared to STernotomy coronary artery bypass grafting: The MIST trial. <i>Contemporary Clinical Trials</i> , 2019, 78, 140-145.	0.8	39
107	Poly(ADP-ribose) polymerase inhibition improves postischemic myocardial function after cardioplegia-cardiopulmonary bypass. <i>Journal of the American College of Surgeons</i> , 2003, 197, 270-277.	0.2	38
108	Can Minimally Invasive Coronary Artery Bypass Grafting be Initiated and Practiced Safely?. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2013, 8, 403-409.	0.4	38

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109	Inhibition of the Cardiac Angiogenic Response to Surgical FGF-2 Therapy in a Swine Endothelial Dysfunction Model. <i>Circulation</i> , 2003, 108, 335II-340.	1.6	37
110	Ex vivo generation of a highly potent population of circulating angiogenic cells using a collagen matrix. <i>Journal of Molecular and Cellular Cardiology</i> , 2011, 51, 187-197.	0.9	37
111	Preoperative anaemia is a risk factor for mortality and morbidity following aortic valve surgery. <i>European Journal of Cardio-thoracic Surgery</i> , 2013, 44, 1051-1056.	0.6	37
112	Comparison of Outcomes of Balloon-Expandable Versus Self-Expandable Transcatheter Heart Valves for Severe Aortic Stenosis. <i>American Journal of Cardiology</i> , 2017, 119, 1094-1099.	0.7	37
113	Vascular growth factors and angiogenesis in cardiac surgery. <i>Annals of Thoracic Surgery</i> , 2003, 75, S685-S690.	0.7	36
114	Surgery for Chronic Thromboembolic Pulmonary Hypertensionâ€”Inclusive Experience From a National Referral Center. <i>Annals of Thoracic Surgery</i> , 2007, 83, 1075-1081.	0.7	35
115	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> , 2005, 6, 15.	1.5	34
116	The role of integrin $\alpha 2$ in cell and matrix therapy that improves perfusion, viability and function of infarcted myocardium. <i>Biomaterials</i> , 2014, 35, 4749-4758.	5.7	34
117	Electroconductive nanoengineered biomimetic hybrid fibers for cardiac tissue engineering. <i>Journal of Materials Chemistry B</i> , 2017, 5, 2402-2406.	2.9	34
118	Characteristics of Contemporary Randomized Clinical Trials and Their Association With the Trial Funding Source in Invasive Cardiovascular Interventions. <i>JAMA Internal Medicine</i> , 2020, 180, 993.	2.6	34
119	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> , 2021, 162, 829-850.e1.	0.4	34
120	Impact of mitral annular calcification on early and late outcomes following mitral valve repair of myxomatous degeneration. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2013, 17, 120-125.	0.5	33
121	Is Aortic Valve Repair Reproducible? Analysis of the Learning Curve for Aortic Valve Repair. <i>Canadian Journal of Cardiology</i> , 2015, 31, 1497.e15-1497.e22.	0.8	33
122	New Strategies for Surgical Myocardial Revascularization. <i>Circulation</i> , 2018, 138, 2160-2168.	1.6	33
123	Electroconductive materials as biomimetic platforms for tissue regeneration. <i>Biotechnology Advances</i> , 2019, 37, 444-458.	6.0	32
124	The impact of prosthesisâ€”patient mismatch after aortic valve replacement varies according to age at operation. <i>Heart</i> , 2014, 100, 1099-1106.	1.2	30
125	Arterial grafting for myocardial revascularization: how better is it?. <i>Current Opinion in Cardiology</i> , 2006, 21, 584-588.	0.8	29
126	Lipid-lowering therapy and coronary artery bypass graft surgery. <i>Current Opinion in Cardiology</i> , 2011, 26, 508-517.	0.8	29

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127	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. Cell Transplantation, 2012, 21, 1821-1835.	1.2	29
128	High Flow Rates During Modified Ultrafiltration Decrease Cerebral Blood Flow Velocity and Venous Oxygen Saturation in Infants. Annals of Thoracic Surgery, 2005, 80, 22-28.	0.7	28
129	Early vs Late Surgery for Patients With Endocarditis and Neurological Injury: A Systematic Review and Meta-analysis. Canadian Journal of Cardiology, 2018, 34, 1185-1199.	0.8	28
130	Postoperative lipid-lowering therapy and bioprosthesis structural valve deterioration: justification for a randomised trial?. European Journal of Cardio-thoracic Surgery, 2010, 37, 139-144.	0.6	27
131	Long-term evaluation of biological versus mechanical prosthesis use at reoperative aortic valve replacement. Journal of Thoracic and Cardiovascular Surgery, 2012, 144, 146-151.	0.4	27
132	Minimally invasive coronary artery bypass grafting. Current Opinion in Cardiology, 2013, 28, 639-645.	0.8	27
133	Dual antiplatelet therapy use by Canadian cardiac surgeons. Journal of Thoracic and Cardiovascular Surgery, 2015, 150, 1548-1554.e3.	0.4	27
134	Paracrine Engineering of Human Explant-Derived Cardiac Stem Cells to Over-Express Stromal-Cell Derived Factor 1 \pm Enhances Myocardial Repair. Stem Cells, 2016, 34, 1826-1835.	1.4	27
135	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. Journal of Thoracic and Cardiovascular Surgery, 2005, 129, 1414-1420.	0.4	26
136	Insulin treatment enhances the myocardial angiogenic response in diabetes. Journal of Thoracic and Cardiovascular Surgery, 2007, 134, 1453-1460.	0.4	26
137	Improving Cell Engraftment with Tissue Engineering. Seminars in Thoracic and Cardiovascular Surgery, 2008, 20, 110-114.	0.4	26
138	Tissue Engineering a Small Diameter Vessel Substitute: Engineering Constructs with Select Biomaterials and Cells. Current Vascular Pharmacology, 2012, 10, 347-360.	0.8	26
139	Minimally Invasive Multivessel Coronary Surgery and Hybrid Coronary Revascularization: Can We Routinely Achieve Less Invasive Coronary Surgery?. Methodist DeBakey Cardiovascular Journal, 2021, 12, 14.	0.5	26
140	Impact of Preexisting Left Bundle Branch Block in Transcatheter Aortic Valve Replacement Recipients. Circulation: Cardiovascular Interventions, 2018, 11, e006927.	1.4	26
141	Defining an Intraoperative Hypotension Threshold in Association with <i>De Novo</i> Renal Replacement Therapy after Cardiac Surgery. Anesthesiology, 2020, 132, 1447-1457.	1.3	26
142	Cardiopulmonary bypass reduces peripheral microvascular contractile function by inhibition of mitogen-activated protein kinase activity. Surgery, 2003, 134, 247-254.	1.0	25
143	Mitogen-activated protein kinase pathways and cardiac surgery. Journal of Thoracic and Cardiovascular Surgery, 2004, 127, 806-811.	0.4	25
144	3-Dimensional Structures to Enhance Cell Therapy and Engineer Contractile Tissue. Asian Cardiovascular and Thoracic Annals, 2010, 18, 188-198.	0.2	25

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145	The impact of patient co-morbidities on the regenerative capacity of cardiac explant-derived stem cells. <i>Stem Cell Research and Therapy</i> , 2016, 7, 60.	2.4	25
146	Disability-free survival after coronary artery bypass grafting in women and men with heart failure. <i>Open Heart</i> , 2018, 5, e000911.	0.9	25
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