

Michael Chu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

189
papers

2,861
citations

26
h-index

47
g-index

206
ext. papers

3,523
ext. citations

3.2
avg, IF

4.93
L-index

#	Paper	IF	Citations
189	Risk score for arch reconstruction under circulatory arrest with hypothermia: The ARCH score.. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022 ,	1.5	1
188	Commentary: Stent-graft induced new entry: Is it just too much radial force?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022 ,	1.5	
187	Commentary: The endless debate of extent of surgical repair in acute aortic dissection: Skill, judgment, and luck. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 , 162, 1032-1033	1.5	
186	Rationale and Design of a Randomized Trial Evaluating an External Support Device for Saphenous Vein Coronary Grafts.. <i>American Heart Journal</i> , 2021 , 246, 12-12	4.9	0
185	Circulatory Arrest and Cerebral Protection Strategies 2021 , 491-500		
184	Concomitant Tricuspid Repair in Patients with Degenerative Mitral Regurgitation. <i>New England Journal of Medicine</i> , 2021 ,	59.2	12
183	Does adding an aortic root replacement or sinus repair during arch repair increase postoperative mortality? Evidence from the Canadian Thoracic Aortic Collaborative. <i>European Journal of Cardio-thoracic Surgery</i> , 2021 , 60, 623-630	3	0
182	Commentary: The Ross procedure: One surgeon's journey toward mastery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 , 161, 918-919	1.5	
181	Minimally Invasive Versus Sternotomy for Mitral Surgery in the Elderly: A Systematic Review and Meta-Analysis. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2021 , 16, 310-316	1.5	1
180	Commentary: The elephant in the room: Routine arch repair for acute dissection?. <i>JTCVS Techniques</i> , 2021 , 6, 50-51	0.2	
179	Commentary: Timely repair of acute aortic dissection: Every minute counts. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 ,	1.5	
178	Transthoracic aorto-axillary extra-anatomical bypass for difficult subclavian artery revascularization: a multicenter patency study. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2021 , 33, 763-764	1.8	1
177	Evolving Surgical Techniques and Improving Outcomes for Aortic Arch Surgery in Canada. <i>CJC Open</i> , 2021 , 3, 1117-1124	2	0
176	Safety of Direct Oral Anticoagulants Compared to Warfarin for Atrial Fibrillation after Cardiac Surgery: A Systematic Review and Meta-Analysis. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2021 ,	1.7	2
175	Commentary: Strategies for Preventing Acute Kidney Injury After Thoracoabdominal Aortic Aneurysm Repair: A Multimodal Approach. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2021 ,	1.7	
174	Frozen Elephant Trunk for Aortic Arch Reconstruction is Associated with Reduced Mortality as Compared to Conventional Techniques. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2021 ,	1.7	6
173	First-in-Human Use of the Cook Hybrid Frozen Elephant Trunk Graft: The Canadian Experience. <i>Annals of Thoracic Surgery</i> , 2021 , 111, 1876-1882	2.7	4

172	The Ross procedure is the optimal solution for young adults with unreparable aortic valve disease. <i>Annals of Cardiothoracic Surgery</i> , 2021 , 10, 454-462	4.7	
171	Commentary: Acute Type A Aortic Dissection Presenting with Neurologic Dysfunction: A Clinical Conundrum?. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2021 ,	1.7	
170	The Ross procedure and valve-sparing root replacement procedures in the adult patient: do guidelines follow the evidence?. <i>Annals of Cardiothoracic Surgery</i> , 2021 , 10, 433-443	4.7	1
169	Commentary: Expertise in thoracoabdominal aortic aneurysm repair-More than just the knife. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 , 161, 706-707	1.5	
168	Echocardiographic Method to Determine the Length of Neochordae Reconstruction for Mitral Repair. <i>Annals of Thoracic Surgery</i> , 2021 , 111, 519-528	2.7	1
167	Review of frozen elephant trunk repair with the Thoraflex Hybrid device. <i>Future Cardiology</i> , 2021 , 17, 1171-1181	1.3	0
166	Hybrid arch frozen elephant trunk repair: evidence from the Canadian Thoracic Aortic Collaborative. <i>Annals of Cardiothoracic Surgery</i> , 2020 , 9, 189-196	4.7	5
165	Impact of brain protection strategies on mortality and stroke in patients undergoing aortic arch repair with hypothermic circulatory arrest: evidence from the Canadian Thoracic Aortic Collaborative. <i>European Journal of Cardio-thoracic Surgery</i> , 2020 , 58, 95-103	3	8
164	Minimally invasive periareolar approach to repair sinus venosus atrial septal defect with partial anomalous pulmonary venous connection. <i>Journal of Cardiac Surgery</i> , 2020 , 35, 1653-1656	1.3	1
163	The Ross procedure is a safe and durable option in adults with infective endocarditis: a multicentre study. <i>European Journal of Cardio-thoracic Surgery</i> , 2020 , 58, 537-543	3	6
162	Prevention and management of spinal cord ischemia following aortic surgery: A survey of contemporary practice. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 ,	1.5	5
161	Minimally Invasive Hybrid Approach to High Risk Mitral Disease With Severe Mitral Annular Calcification. <i>Canadian Journal of Cardiology</i> , 2020 , 36, 966.e11-966.e13	3.8	
160	Endoscopic Repair of Obstructive Cor Triatriatum. <i>Case</i> , 2020 , 4, 82-85	0.5	
159	Being an expert at the disease, not just the therapy. <i>Journal of Cardiac Surgery</i> , 2020 , 35, 270-272	1.3	
158	Evolution of Tricuspid Regurgitation After Repair of Degenerative Mitral Regurgitation. <i>Annals of Thoracic Surgery</i> , 2020 , 109, 1350-1355	2.7	1
157	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> , 2020 , 142, 1342-1350	16.7	7
156	Commentary: Aortic function: It's more than just a tube. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 ,	1.5	
155	Endoscopic Mitral Repair for Degenerative Mitral Regurgitation: Effect of Disease Complexity on Short- and Mid-term Outcomes. <i>CJC Open</i> , 2020 , 2, 337-343	2	0

154	Safety, efficacy, and hemodynamic performance of a stented bovine pericardial aortic valve bioprosthesis: Two-year analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 , 160, 371-381.e4	1.5	6
153	A Novel Hybrid Approach to Iatrogenic Circumflex Artery Injury After Mitral Repair. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2020 , 32, 486-489	1.7	2
152	Response by Chung et al to Letter Regarding Article, "Sex-Related Differences in Patients Undergoing Thoracic Aortic Surgery: Evidence From the Canadian Thoracic Aortic Collaborative". <i>Circulation</i> , 2019 , 140, e553-e554	16.7	
151	Developing skills for thoracic aortic surgery with hypothermic circulatory arrest. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019 , 157, 1360-1368.e8	1.5	8
150	Prophylactic Right Ventricular Assist Device for High-Risk Patients Undergoing Valve Corrective Surgery. <i>CJC Open</i> , 2019 , 1, 19-27	2	3
149	SUPERIOR SVG: no touch saphenous harvesting to improve patency following coronary bypass grafting (a multi-Centre randomized control trial, NCT01047449). <i>Journal of Cardiothoracic Surgery</i> , 2019 , 14, 85	1.6	42
148	Seno-destructive smooth muscle cells in the ascending aorta of patients with bicuspid aortic valve disease. <i>EBioMedicine</i> , 2019 , 43, 54-66	8.8	17
147	Hybrid Arch Frozen Elephant Trunk Repair of Complex Arch Aneurysm With Severe Arterial Tortuosity. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2019 , 14, 357-360	1.5	15
146	Outcomes after Ross procedure in adult patients: A meta-analysis and microsimulation. <i>Journal of Cardiac Surgery</i> , 2019 , 34, 285-292	1.3	6
145	Impact of a tailored surgical approach on autograft root dimensions in patients undergoing the Ross procedure for aortic regurgitation. <i>European Journal of Cardio-thoracic Surgery</i> , 2019 , 56, 959-967	3	20
144	Sex-Related Differences in Patients Undergoing Thoracic Aortic Surgery. <i>Circulation</i> , 2019 , 139, 1177-1184	6.7	38
143	The Ross procedure versus prosthetic and homograft aortic valve replacement: a systematic review and meta-analysis. <i>European Journal of Cardio-thoracic Surgery</i> , 2019 , 55, 247-255	3	12
142	Clinical performance of a three-dimensional saddle-shaped, rigid ring for mitral valve repair. <i>European Journal of Cardio-thoracic Surgery</i> , 2019 , 55, 217-223	3	5
141	Multimodal imaging of aortic annulus and root geometry after valve sparing root reconstruction. <i>Annals of Cardiothoracic Surgery</i> , 2019 , 8, 362-371	4.7	2
140	Left ventricular remodeling after mini-mitral repair-does the complexity of mitral disease matter?. <i>Journal of Cardiac Surgery</i> , 2019 , 34, 913-918	1.3	1
139	Prophylactic LVAD Enabling High-Risk Mitral Repair-Extending Beyond the Guidelines. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2019 , 14, 573-576	1.5	0
138	Single-Stage Management of Dynamic Malperfusion Using a Novel Arch Remodeling Hybrid Graft. <i>Annals of Thoracic Surgery</i> , 2019 , 108, 1768-1775	2.7	12
137	Early Clinical Outcomes of Hybrid Arch Frozen Elephant Trunk Repair With the Thoraflex Hybrid Graft. <i>Annals of Thoracic Surgery</i> , 2019 , 107, 47-53	2.7	25

136	Dissected Aorta Repair Through Stent Implantation trial: Canadian results. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019 , 157, 1763-1771	1.5	9
135	Dynamic Patient-Specific Three-Dimensional Simulation of Mitral Repair: Can We Practice Mitral Repair Preoperatively?. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2018 , 13, 11-22	1.5	8
134	Pericardial Patch Exclusion Technique for Left Atrial Appendage Closure. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2018 , 13, 144-146	1.5	
133	Omental Vascularized Lymph Node Flap: A Radiographic Analysis. <i>Journal of Reconstructive Microsurgery</i> , 2018 , 34, 472-477	2.5	5
132	3-Dimensional-Printed Model for Planning Transcatheter Mitral Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2018 , 11, 812-813	5	12
131	Hybrid aortic arch and frozen elephant trunk reconstruction: bridging the gap between conventional and total endovascular arch repair. <i>Expert Review of Cardiovascular Therapy</i> , 2018 , 16, 209-217	2.7	10
130	Mitral repair and the robot: a revolutionary tool or marketing ploy?. <i>Current Opinion in Cardiology</i> , 2018 , 33, 148-154	2.1	3
129	Aortic Arch Reconstructive Surgery With Conventional Techniques vs Frozen Elephant Trunk: A Systematic Review and Meta-Analysis. <i>Canadian Journal of Cardiology</i> , 2018 , 34, 262-273	3.8	45
128	Expanding Eligibility for the Ross Procedure: A Reasonable Proposition?. <i>Canadian Journal of Cardiology</i> , 2018 , 34, 759-765	3.8	4
127	Management of the difficult left subclavian artery during aortic arch repair. <i>Annals of Cardiothoracic Surgery</i> , 2018 , 7, 414-421	4.7	8
126	Association of comorbid burden with clinical outcomes after transcatheter aortic valve implantation. <i>Heart</i> , 2018 , 104, 2058-2066	5.1	6
125	Clinical outcomes of a combined transcatheter and minimally invasive atrial septal defect repair program using a Heart Team Approach. <i>Journal of Cardiothoracic Surgery</i> , 2018 , 13, 11	1.6	5
124	Whole body perfusion strategy for aortic arch repair under moderate hypothermia. <i>Perfusion (United Kingdom)</i> , 2018 , 33, 254-263	1.9	4
123	A Curious Case of Blood-Culture-Negative Infective Endocarditis. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018 , 32, e3-e5	2.1	
122	Reason and Timing for Conversion to Sternotomy in Robotic-Assisted Coronary Artery Bypass Grafting and Patient Outcomes. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2018 , 13, 423-427	1.5	5
121	Minimally Invasive Periareolar Approach to Cor Triatriatum Repair. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2018 , 13, 445-447	1.5	
120	Cardiac-Referenced Leukocyte Telomere Length and Outcomes After Cardiovascular Surgery. <i>JACC Basic To Translational Science</i> , 2018 , 3, 591-600	8.7	4
119	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	3	26

118	Early clinical outcomes of a novel self-expanding transapical transcatheter aortic valve bioprosthesis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017 , 153, 810-818	1.5	11
117	Black Aortic Valve: A Surprise Finding of What Clinical Relevance?. <i>Canadian Journal of Cardiology</i> , 2017 , 33, 831.e7-831.e8	3.8	1
116	Complications and Cost Analysis of Intraoperative Arterial Complications in Head and Neck Free Flap Reconstruction. <i>Journal of Reconstructive Microsurgery</i> , 2017 , 33, 318-327	2.5	12
115	Clinical outcomes after trans-catheter aortic valve replacement in men and women in Ontario, Canada. <i>Catheterization and Cardiovascular Interventions</i> , 2017 , 90, 486-494	2.7	11
114	Is the Future of Coronary Arterial Revascularization a Hybrid Approach?: The Canadian Experience Across Three Centers. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2017 , 12, 82-86	1.5	14
113	The Use of Topical Hemostatic Agents in Cardiothoracic Surgery. <i>Annals of Thoracic Surgery</i> , 2017 , 104, 353-360	2.7	30
112	Axillary versus innominate artery cannulation for antegrade cerebral perfusion in aortic surgery: design of the Aortic Surgery Cerebral Protection Evaluation (ACE) CardioliNK-3 randomised trial. <i>BMJ Open</i> , 2017 , 7, e014491	3	11
111	Nicotinamide Phosphoribosyltransferase in Smooth Muscle Cells Maintains Genome Integrity, Resists Aortic Medial Degeneration, and Is Suppressed in Human Thoracic Aortic Aneurysm Disease. <i>Circulation Research</i> , 2017 , 120, 1889-1902	15.7	34
110	Treatment Options for Bilateral Autologous Breast Reconstruction in Patients with Inadequate Donor-Site Volume. <i>Journal of Reconstructive Microsurgery</i> , 2017 , 33, 305-311	2.5	13
109	The role of visual and direct force feedback in robotics-assisted mitral valve annuloplasty. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2017 , 13, e1787	2.9	7
108	Minimally invasive mitral repair surgery: why does controversy still persist?. <i>Expert Review of Cardiovascular Therapy</i> , 2017 , 15, 15-24	2.5	11
107	Ultrafast Track Robotic-Assisted Minimally Invasive Coronary Artery Surgical Revascularization. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2017 , 12, 346-350	1.5	6
106	Cause of Death Following Surgery for Acute Type A Dissection: Evidence from the Canadian Thoracic Aortic Collaborative. <i>Aorta</i> , 2017 , 5, 33-41	0.9	15
105	Hybrid Arch Frozen Elephant Trunk for Persistent Endoleak After Thoracic Endovascular Aortic Repair. <i>Annals of Thoracic Surgery</i> , 2017 , 104, e227-e229	2.7	1
104	The Perceval Sutureless Aortic Valve: Review of Outcomes, Complications, and Future Direction. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2017 , 12, 155-173	1.5	23
103	Consequences of Hybrid Procedure Addition to Robotic-Assisted Direct Coronary Artery Bypass. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2017 , 12, 192-196	1.5	2
102	Clinical Outcomes With a Repositionable Self-Expanding Transcatheter Aortic Valve Prosthesis: The International FORWARD Study. <i>Journal of the American College of Cardiology</i> , 2017 , 70, 845-853	15.1	101
101	Atypical Chest Pain and a Blood Blister: More Than Meets the Eye. <i>Canadian Journal of Cardiology</i> , 2017 , 33, 1206.e7-1206.e8	3.8	

100	In reply: Isoflurane use is not associated with prolonged intensive care unit stay following routine cardiac surgery when compared to sevoflurane. <i>Canadian Journal of Anaesthesia</i> , 2017 , 64, 102-103	3	
99	Whole body perfusion for hybrid aortic arch repair: evolution of selective regional perfusion with a modified extracorporeal circuit. <i>Perfusion (United Kingdom)</i> , 2017 , 32, 230-237	1.9	4
98	First North American experience with the transfemoral ACURATE-neo self-expanding transcatheter aortic bioprosthesis. <i>Catheterization and Cardiovascular Interventions</i> , 2017 , 90, 130-138	2.7	13
97	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> , 2017 , 7, e015032	3	8
96	Comparison of outcomes of root replacement procedures and supracoronary techniques for surgical repair of acute aortic dissection. <i>Canadian Journal of Surgery</i> , 2017 , 60, 198-204	2	3
95	State-of-the-Art Surgical Management of Acute Type A Aortic Dissection. <i>Canadian Journal of Cardiology</i> , 2016 , 32, 100-9	3.8	38
94	Minimally Invasive Repair of Partial Atrioventricular Canal Defect. <i>Canadian Journal of Cardiology</i> , 2016 , 32, 270.e3-5	3.8	2
93	First North American Experience With the Engager Self-Expanding Transcatheter Aortic Valve: Insights From the London Health Sciences Centre Heart Team. <i>Annals of Thoracic Surgery</i> , 2016 , 102, e167-71	2.7	4
92	Complete Obliteration of the Left Atrial Appendage: An Analysis of Epicardial Excision and Novel Pericardial Patch Exclusion. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2016 , 11, 282-7	1.5	3
91	Innominate and Axillary Cannulation in Aortic Arch Surgery Provide Similar Neuroprotection. <i>Canadian Journal of Cardiology</i> , 2016 , 32, 117-23	3.8	18
90	Evaluation of robotic cardiac surgery simulation training: A randomized controlled trial. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016 , 151, 1498-1505.e2	1.5	29
89	Autologous Pericardial Reconstruction of Ruptured Salmonella Mycotic Aortic Arch Aneurysm. <i>Canadian Journal of Cardiology</i> , 2016 , 32, 136.e1-3	3.8	1
88	Phantom study of an ultrasound guidance system for transcatheter aortic valve implantation. <i>Computerized Medical Imaging and Graphics</i> , 2016 , 50, 24-30	7.6	7
87	Minimally Invasive En Bloc Resection of Massive Obstructive Atrial Tumour. <i>Canadian Journal of Cardiology</i> , 2016 , 32, 1575.e21-1575.e23	3.8	
86	Higher-risk mitral valve operations after previous sternotomy: endoscopic, minimally invasive approach improves patient outcomes. <i>Canadian Journal of Surgery</i> , 2016 , 59, 399-406	2	12
85	Augmented Reality System for Ultrasound Guidance of Transcatheter Aortic Valve Implantation. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2016 , 11, 31-9; discussion 39	1.5	13
84	Minimally invasive endoscopic repair of atrial septal defects via right minithoracotomy. <i>Multimedia Manual of Cardiothoracic Surgery: MMCTS / European Association for Cardio-Thoracic Surgery</i> , 2016 , 2016,	0.2	2
83	Canadian Cardiovascular Society/Canadian Society of Cardiac Surgeons/Canadian Society for Vascular Surgery Joint Position Statement on Open and Endovascular Surgery for Thoracic Aortic Disease. <i>Canadian Journal of Cardiology</i> , 2016 , 32, 703-13	3.8	50

82	Minimally Invasive Periareolar Approach to Unroofed Coronary Sinus Atrial Septal Defect Repair. <i>Annals of Thoracic Surgery</i> , 2016 , 102, e223-e225	2.7	9
81	Ross, Hybrid Arch, and Frozen Elephant Trunk Reconstruction for Late Complications of Bicuspid Aortic Valve and Aortopathy. <i>Canadian Journal of Cardiology</i> , 2016 , 32, 1576.e11-1576.e14	3.8	
80	Transcaval Transcatheter Aortic Valve Replacement With the ACURATE-neo Aortic Bioprosthesis: First North American Experience. <i>JACC: Cardiovascular Interventions</i> , 2016 , 9, e199-e201	5	2
79	Transcatheter Aortic Valve Implantation With or Without Preimplantation Balloon Aortic Valvuloplasty: A Systematic Review and Meta-Analysis. <i>Journal of the American Heart Association</i> , 2016 , 5,	6	34
78	Comparison of isoflurane and sevoflurane in cardiac surgery: a randomized non-inferiority comparative effectiveness trial. <i>Canadian Journal of Anaesthesia</i> , 2016 , 63, 1128-39	3	18
77	Knowledge, attitudes, and practice preferences of Canadian cardiac surgeons toward the management of acute type A aortic dissection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015 , 150, 824-31.e1-5	1.5	12
76	Symetis valve implantation in failing freestyle with close proximity between coronary Ostia and annulus. <i>Annals of Thoracic Surgery</i> , 2015 , 99, e87-8	2.7	3
75	Long-term patency of endoscopically harvested radial arteries: from a randomized controlled trial. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2015 , 10, 77-84	1.5	11
74	Urine Biomarkers and Perioperative Acute Kidney Injury: The Impact of Preoperative Estimated GFR. <i>American Journal of Kidney Diseases</i> , 2015 , 66, 1006-14	7.4	14
73	Late-Start Days Increase Total Operative Time in Microvascular Breast Reconstruction. <i>Journal of Reconstructive Microsurgery</i> , 2015 , 31, 401-6	2.5	3
72	Salvaging catastrophe in transcatheter aortic valve implantation: rehearsal, preassigned roles, and emergency preparedness. <i>Canadian Journal of Anaesthesia</i> , 2015 , 62, 918-26	3	10
71	Transcatheter ACURATE-TA Aortic Valve Implantation in a Patient With a Previous Mechanical Mitral Valve. <i>Annals of Thoracic Surgery</i> , 2015 , 100, e115-7	2.7	5
70	Unilateral postoperative pulmonary edema after minimally invasive cardiac surgical procedures: a case-control study. <i>Annals of Thoracic Surgery</i> , 2015 , 99, 115-22	2.7	36
69	Aortic Valve Stenosis and Left Main Coronary Disease: Hybrid Approach. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2015 , 10, 435-7	1.5	1
68	Validation of a Novel Virtual Reality Training Curriculum for Robotic Cardiac Surgery: A Randomized Trial. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2015 , 10, 383-8	1.5	21
67	Validation of a Novel Virtual Reality Training Curriculum for Robotic Cardiac Surgery a Randomized Trial. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2015 , 10, 383-388	1.5	5
66	Collectivization of Vascular Smooth Muscle Cells via TGF- β -Cadherin-11-Dependent Adhesive Switching. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 1254-64	9.4	15
65	Percutaneous superior vena cava drainage during minimally invasive mitral valve surgery: a randomized, crossover study. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015 , 29, 101-6	2.1	1

64	Complex tricuspid valve repair for infective endocarditis: leaflet augmentation, chordae and annular reconstruction. <i>Multimedia Manual of Cardiothoracic Surgery: MMCTS / European Association for Cardio-Thoracic Surgery</i> , 2015 , 2015,	0.2	8
63	Omega-6 polyunsaturated fatty acids: is a broad cholesterol-lowering health claim appropriate?. <i>Cmaj</i> , 2014 , 186, 434-9	3.5	11
62	A prospective observational study of seizures after cardiac surgery using continuous EEG monitoring. <i>Neurocritical Care</i> , 2014 , 21, 220-7	3.3	24
61	Transventricular crushing and extrication of embolized transcatheter aortic valve prosthesis. <i>Canadian Journal of Cardiology</i> , 2014 , 30, 1109.e3-4	3.8	1
60	Collagenase-resistant collagen promotes mouse aging and vascular cell senescence. <i>Aging Cell</i> , 2014 , 13, 121-30	9.9	41
59	Recalcitrant prosthetic valve endocarditis requiring repeated reconstruction: running out of options. <i>Canadian Journal of Cardiology</i> , 2014 , 30, 1732.e5-8	3.8	2
58	Single-stage hybrid coronary revascularization with long-term follow-up. <i>European Journal of Cardio-thoracic Surgery</i> , 2014 , 45, 438-42; discussion 442-3	3	53
57	Left ventricular rupture after myocardial infarction. <i>Canadian Journal of Cardiology</i> , 2014 , 30, 957.e1-2	3.8	
56	Clinical outcomes of minimally invasive endoscopic and conventional sternotomy approaches for atrial septal defect repair. <i>Canadian Journal of Surgery</i> , 2014 , 57, E75-81	2	19
55	Transcatheter aortic valve implantation: Coming of age. <i>Cirurgia Cardiovascular</i> , 2013 , 20, 169-170	0.1	
54	Successful treatment of mechanical mitral valve thrombosis without thrombolytic therapy or surgery. <i>Canadian Journal of Cardiology</i> , 2013 , 29, 1532.e1-3	3.8	4
53	Surface-Based CT-TEE Registration of the Aortic Root. <i>IEEE Transactions on Biomedical Engineering</i> , 2013 , 60, 3382-90	5	7
52	Transcatheter aortic valve implantation in a patient with severe aortic insufficiency and minimal aortic annular calcification. <i>Canadian Journal of Cardiology</i> , 2013 , 29, 1138.e9-1138.e11	3.8	4
51	Reoperative transapical aortic valve implantation for early structural valve deterioration of a SAPIEN XT valve. <i>Annals of Thoracic Surgery</i> , 2013 , 95, 2169-70	2.7	11
50	Early and late outcomes after cardiac retransplantation. <i>Canadian Journal of Surgery</i> , 2013 , 56, 21-6	2	13
49	A navigation platform for guidance of beating heart transapical mitral valve repair. <i>IEEE Transactions on Biomedical Engineering</i> , 2013 , 60, 1034-40	5	13
48	Bicuspid aortic valve disease. <i>Cmaj</i> , 2013 , 185, 1599	3.5	3
47	Defining the efficacy of aortic root enlargement procedures: a comparative analysis of surgical techniques. <i>Canadian Journal of Cardiology</i> , 2013 , 29, 434-40	3.8	8

46	Blood conservation strategies reduce the need for transfusions in ascending and aortic arch surgery. <i>Perfusion (United Kingdom)</i> , 2013 , 28, 315-21	1.9	17
45	Evaluating the effect of three-dimensional visualization on force application and performance time during robotics-assisted mitral valve repair. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2013 , 8, 199-205	1.5	4
44	Evaluating the Effect of Three-Dimensional Visualization on Force Application and Performance Time during Robotics-Assisted Mitral Valve Repair. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2013 , 8, 199-205	1.5	
43	Left atrial reduction plasty: a novel technique. <i>Annals of Thoracic Surgery</i> , 2012 , 93, e77-9	2.7	6
42	The critical role of imaging navigation and guidance in transcatheter aortic valve implantation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012 , 143, 1241-3	1.5	6
41	US-fluoroscopy registration for transcatheter aortic valve implantation. <i>IEEE Transactions on Biomedical Engineering</i> , 2012 , 59, 1444-53	5	33
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