

# D Craig Miller

## List of Publications by Citations

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

228 papers	29,761 citations	63 h-index	171 g-index
251 ext. papers	35,086 ext. citations	7.3 avg, IF	6.34 L-index

#	Paper	IF	Citations
228	Transcatheter aortic-valve implantation for aortic stenosis in patients who cannot undergo surgery. <i>New England Journal of Medicine</i> , <b>2010</b> , 363, 1597-607	59.2	4801
227	Transcatheter versus surgical aortic-valve replacement in high-risk patients. <i>New England Journal of Medicine</i> , <b>2011</b> , 364, 2187-98	59.2	4230
226	Transcatheter or Surgical Aortic-Valve Replacement in Intermediate-Risk Patients. <i>New England Journal of Medicine</i> , <b>2016</b> , 374, 1609-20	59.2	2746
225	Transluminal placement of endovascular stent-grafts for the treatment of descending thoracic aortic aneurysms. <i>New England Journal of Medicine</i> , <b>1994</b> , 331, 1729-34	59.2	1350
224	Endovascular stent-graft placement for the treatment of acute aortic dissection. <i>New England Journal of Medicine</i> , <b>1999</b> , 340, 1546-52	59.2	1054
223	5-year outcomes of transcatheter aortic valve replacement or surgical aortic valve replacement for high surgical risk patients with aortic stenosis (PARTNER 1): a randomised controlled trial. <i>Lancet, The</i> , <b>2015</b> , 385, 2477-84	40	1042
222	Transcatheter aortic valve replacement versus surgical valve replacement in intermediate-risk patients: a propensity score analysis. <i>Lancet, The</i> , <b>2016</b> , 387, 2218-25	40	697
221	Expert consensus document on the treatment of descending thoracic aortic disease using endovascular stent-grafts. <i>Annals of Thoracic Surgery</i> , <b>2008</b> , 85, S1-41	2.7	654
220	5-year outcomes of transcatheter aortic valve replacement compared with standard treatment for patients with inoperable aortic stenosis (PARTNER 1): a randomised controlled trial. <i>Lancet, The</i> , <b>2015</b> , 385, 2485-91	40	549
219	Replacement of the aortic root in patients with MarfanQ syndrome. <i>New England Journal of Medicine</i> , <b>1999</b> , 340, 1307-13	59.2	501
218	Guidelines for reporting mortality and morbidity after cardiac valve interventions. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2008</b> , 135, 732-8	1.5	457
217	Guidelines for reporting morbidity and mortality after cardiac valvular operations. The American Association for Thoracic Surgery, Ad Hoc Liaison Committee for Standardizing Definitions of Prosthetic Heart Valve Morbidity. <i>Annals of Thoracic Surgery</i> , <b>1996</b> , 62, 932-5	2.7	442
216	Prognosis of aortic intramural hematoma with and without penetrating atherosclerotic ulcer: a clinical and radiological analysis. <i>Circulation</i> , <b>2002</b> , 106, 342-8	16.7	410
215	Guidelines for reporting mortality and morbidity after cardiac valve interventions. <i>Annals of Thoracic Surgery</i> , <b>2008</b> , 85, 1490-5	2.7	341
214	Predictors and clinical outcomes of permanent pacemaker implantation after transcatheter aortic valve replacement: the PARTNER (Placement of AoRtic TraNscathetER Valves) trial and registry. <i>JACC: Cardiovascular Interventions</i> , <b>2015</b> , 8, 60-9	5	334
213	Surgical management of aortic dissection during a 30-year period. <i>Circulation</i> , <b>1995</b> , 92, 1113-21	16.7	303
212	Treatment of aortic disease in patients with Marfan syndrome. <i>Circulation</i> , <b>2005</b> , 111, e150-7	16.7	273

211	Predictors of mortality and outcomes of therapy in low-flow severe aortic stenosis: a Placement of Aortic Transcatheter Valves (PARTNER) trial analysis. <i>Circulation</i> , <b>2013</b> , 127, 2316-26	16.7	260
210	Transcatheter (TAVR) versus surgical (AVR) aortic valve replacement: occurrence, hazard, risk factors, and consequences of neurologic events in the PARTNER trial. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2012</b> , 143, 832-843.e13	1.5	244
209	Five-Year Outcomes of Transcatheter or Surgical Aortic-Valve Replacement. <i>New England Journal of Medicine</i> , <b>2020</b> , 382, 799-809	59.2	239
208	Guidelines for reporting morbidity and mortality after cardiac valvular operations. <i>Annals of Thoracic Surgery</i> , <b>1988</b> , 46, 257-9	2.7	235
207	Incidence and sequelae of prosthesis-patient mismatch in transcatheter versus surgical valve replacement in high-risk patients with severe aortic stenosis: a PARTNER trial cohort--a analysis. <i>Journal of the American College of Cardiology</i> , <b>2014</b> , 64, 1323-34	15.1	224
206	Mycotic aneurysms of the thoracic aorta: repair with use of endovascular stent-grafts. <i>Journal of Vascular and Interventional Radiology</i> , <b>1998</b> , 9, 33-40	2.4	223
205	Transcatheter Aortic Valve Implantation Within Degenerated Aortic Surgical Bioprostheses: PARTNER 2 Valve-in-Valve Registry. <i>Journal of the American College of Cardiology</i> , <b>2017</b> , 69, 2253-2262	15.1	207
204	Is medical therapy still the optimal treatment strategy for patients with acute type B aortic dissections?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2002</b> , 124, 896-910	1.5	195
203	Propensity-matched comparisons of clinical outcomes after transapical or transfemoral transcatheter aortic valve replacement: a placement of aortic transcatheter valves (PARTNER)-I trial substudy. <i>Circulation</i> , <b>2015</b> , 131, 1989-2000	16.7	191
202	Midterm results of endovascular repair of descending thoracic aortic aneurysms with first-generation stent grafts. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2004</b> , 127, 664-73	1.5	181
201	Valve-sparing aortic root replacement in patients with the Marfan syndrome. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2003</b> , 125, 773-8	1.5	181
200	Guidelines for reporting morbidity and mortality after cardiac valvular operations. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>1988</b> , 96, 351-353	1.5	181
199	Prosthesis size and long-term survival after aortic valve replacement. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2003</b> , 126, 783-96	1.5	175
198	The aortopathy of bicuspid aortic valve disease has distinctive patterns and usually involves the transverse aortic arch. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2008</b> , 135, 901-7, 907.e1-2	1.5	172
197	Cost-effectiveness of transcatheter aortic valve replacement compared with surgical aortic valve replacement in high-risk patients with severe aortic stenosis: results of the PARTNER (Placement of Aortic Transcatheter Valves) trial (Cohort A). <i>Journal of the American College of Cardiology</i> , <b>2012</b> , 60, 2683-92	15.1	165
196	Aortic valve and ascending aorta guidelines for management and quality measures. <i>Annals of Thoracic Surgery</i> , <b>2013</b> , 95, S1-66	2.7	146
195	Staging classification of aortic stenosis based on the extent of cardiac damage. <i>European Heart Journal</i> , <b>2017</b> , 38, 3351-3358	9.5	140
194	Time-resolved three-dimensional magnetic resonance velocity mapping of aortic flow in healthy volunteers and patients after valve-sparing aortic root replacement. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2005</b> , 130, 456-63	1.5	132

193	Report on the results of thoracic endovascular aortic repair for acute, complicated, type B aortic dissection at 30 days and 1 year from a multidisciplinary subcommittee of the Society for Vascular Surgery Outcomes Committee. <i>Journal of Vascular Surgery</i> , <b>2011</b> , 53, 1082-90	3.5	131
192	Defining "severe" secondary mitral regurgitation: emphasizing an integrated approach. <i>Journal of the American College of Cardiology</i> , <b>2014</b> , 64, 2792-801	15.1	129
191	Long-term outcomes of inoperable patients with aortic stenosis randomly assigned to transcatheter aortic valve replacement or standard therapy. <i>Circulation</i> , <b>2014</b> , 130, 1483-92	16.7	125
190	Contemporary results for proximal aortic replacement in North America. <i>Journal of the American College of Cardiology</i> , <b>2012</b> , 60, 1156-62	15.1	121
189	Effect of tricuspid regurgitation and the right heart on survival after transcatheter aortic valve replacement: insights from the Placement of Aortic Transcatheter Valves II inoperable cohort. <i>Circulation: Cardiovascular Interventions</i> , <b>2015</b> , 8,	6	110
188	Annular remodeling in chronic ischemic mitral regurgitation: ring selection implications. <i>Annals of Thoracic Surgery</i> , <b>2003</b> , 76, 1549-54; discussion 1554-5	2.7	110
187	Stent-graft repair of penetrating atherosclerotic ulcers in the descending thoracic aorta: mid-term results. <i>Annals of Thoracic Surgery</i> , <b>2004</b> , 77, 81-6	2.7	110
186	Randomized trial comparing partial versus complete chordal-sparing mitral valve replacement: effects on left ventricular volume and function. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2002</b> , 123, 707-14	1.5	105
185	Simple modification of "T. David-V" valve-sparing aortic root replacement to create graft pseudosinuses. <i>Annals of Thoracic Surgery</i> , <b>2004</b> , 78, 1479-81	2.7	102
184	Impact of preoperative moderate/severe mitral regurgitation on 2-year outcome after transcatheter and surgical aortic valve replacement: insight from the Placement of Aortic Transcatheter Valve (PARTNER) Trial Cohort A. <i>Circulation</i> , <b>2013</b> , 128, 2776-84	16.7	101
183	Early regression of severe left ventricular hypertrophy after transcatheter aortic valve replacement is associated with decreased hospitalizations. <i>JACC: Cardiovascular Interventions</i> , <b>2014</b> , 7, 662-73	5	97
182	David valve-sparing aortic root replacement: equivalent mid-term outcome for different valve types with or without connective tissue disorder. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2013</b> , 145, 117-26, 127.e1-5; discussion 126-7	1.5	91
181	Insights Into Timing, Risk Factors, and Outcomes of Stroke and Transient Ischemic Attack After Transcatheter Aortic Valve Replacement in the PARTNER Trial (Placement of Aortic Transcatheter Valves). <i>Circulation: Cardiovascular Interventions</i> , <b>2016</b> , 9,	6	89
180	Relative contributions of the anterior and posterior mitral chordae tendineae to canine global left ventricular systolic function. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>1987</b> , 93, 45-55	1.5	86
179	Aortic valve and ascending aorta guidelines for management and quality measures: executive summary. <i>Annals of Thoracic Surgery</i> , <b>2013</b> , 95, 1491-505	2.7	85
178	Endovascular stent-grafting after arch aneurysm repair using the "elephant trunk". <i>Annals of Thoracic Surgery</i> , <b>1995</b> , 60, 1102-5	2.7	84
177	Complicated acute type B aortic dissection: midterm results of emergency endovascular stent-grafting. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2008</b> , 136, 424-30	1.5	80
176	What is the best treatment for patients with acute type B aortic dissections--medical, surgical, or endovascular stent-grafting?. <i>Annals of Thoracic Surgery</i> , <b>2002</b> , 74, S1840-3; discussion S1857-63	2.7	79

175	A Randomized Evaluation of the SAPIEN XT Transcatheter Heart Valve System in Patients With Aortic Stenosis Who Are Not Candidates for Surgery. <i>JACC: Cardiovascular Interventions</i> , <b>2015</b> , 8, 1797-806	5.6	74
174	Multisociety (AATS, ACCF, SCAI, and STS) expert consensus statement: operator and institutional requirements for transcatheter valve repair and replacement, part 1: transcatheter aortic valve replacement. <i>Journal of the American College of Cardiology</i> , <b>2012</b> , 59, 2028-42	15.1	74
173	Implementation of echocardiography core laboratory best practices: a case study of the PARTNER I trial. <i>Journal of the American Society of Echocardiography</i> , <b>2013</b> , 26, 348-358.e3	5.8	72
172	Importance of mitral valve second-order chordae for left ventricular geometry, wall thickening mechanics, and global systolic function. <i>Circulation</i> , <b>2004</b> , 110, II115-22	16.7	71
171	Early and 1-year outcomes of aortic root surgery in patients with Marfan syndrome: a prospective, multicenter, comparative study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2014</b> , 147, 1758-66, 1767.e1-4	15.1	70
170	Direct measurement of transmural laminar architecture in the anterolateral wall of the ovine left ventricle: new implications for wall thickening mechanics. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2005</b> , 288, H1324-30	5.2	70
169	Aorto-mitral annular dynamics. <i>Annals of Thoracic Surgery</i> , <b>2003</b> , 76, 1944-50	2.7	69
168	Material properties of the ovine mitral valve anterior leaflet in vivo from inverse finite element analysis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2008</b> , 295, H1141-H1149	5.2	68
167	Septal-lateral annular cinching abolishes acute ischemic mitral regurgitation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2002</b> , 123, 881-8	1.5	67
166	3-Year Outcomes After Valve-in-Valve Transcatheter Aortic Valve Replacement for Degenerated Bioprostheses: The PARTNER 2 Registry. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 73, 2647-2655	15.1	63
165	2018 AATS/ACC/SCAI/STS Expert Consensus Systems of Care Document: Operator and Institutional Recommendations and Requirements for Transcatheter Aortic Valve Replacement: A Joint Report of the American Association for Thoracic Surgery, American College of Cardiology, Society for Cardiovascular Angiography and Interventions, and Society of Thoracic Surgeons. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 72, 2559-2603	15.1	63
164	Geometric distortions of the mitral valvular-ventricular complex in chronic ischemic mitral regurgitation. <i>Circulation</i> , <b>2003</b> , 108 Suppl 1, II116-21	16.7	62
163	Mechanics of the mitral valve: a critical review, an in vivo parameter identification, and the effect of prestrain. <i>Biomechanics and Modeling in Mechanobiology</i> , <b>2013</b> , 12, 1053-71	3.8	59
162	Comprehensive analysis of mortality among patients undergoing TAVR: results of the PARTNER trial. <i>Journal of the American College of Cardiology</i> , <b>2014</b> , 64, 158-68	15.1	58
161	The presence of two local myocardial sheet populations confirmed by diffusion tensor MRI and histological validation. <i>Journal of Magnetic Resonance Imaging</i> , <b>2011</b> , 34, 1080-91	5.6	58
160	Mitral valve annuloplasty: a quantitative clinical and mechanical comparison of different annuloplasty devices. <i>Annals of Biomedical Engineering</i> , <b>2012</b> , 40, 750-61	4.7	56
159	Atrial Fibrillation Is Associated With Increased Mortality in Patients Undergoing Transcatheter Aortic Valve Replacement: Insights From the Placement of Aortic Transcatheter Valve (PARTNER) Trial. <i>Circulation: Cardiovascular Interventions</i> , <b>2016</b> , 9, e002766	6	55
158	Longitudinal Hemodynamics of Transcatheter and Surgical Aortic Valves in the PARTNER Trial. <i>JAMA Cardiology</i> , <b>2017</b> , 2, 1197-1206	16.2	54

157	In vivo dynamic strains of the ovine anterior mitral valve leaflet. <i>Journal of Biomechanics</i> , <b>2011</b> , 44, 1149-53	5.7	54
156	Characterization of mitral valve annular dynamics in the beating heart. <i>Annals of Biomedical Engineering</i> , <b>2011</b> , 39, 1690-702	4.7	53
155	Computed Tomography Imaging Features in Acute Uncomplicated Stanford Type-B Aortic Dissection Predict Late Adverse Events. <i>Circulation: Cardiovascular Imaging</i> , <b>2017</b> , 10,	3.9	52
154	Valve-sparing and valve-replacing techniques for aortic root replacement in patients with Marfan syndrome: Analysis of early outcome. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2009</b> , 137, 1124-32	1.5	52
153	The relative performance characteristics of the logistic European System for Cardiac Operative Risk Evaluation score and the Society of Thoracic Surgeons score in the Placement of Aortic Transcatheter Valves trial. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2014</b> , 148, 2830-7.e1	1.5	51
152	Transapical aortic valve replacement for severe aortic stenosis: results from the nonrandomized continued access cohort of the PARTNER trial. <i>Annals of Thoracic Surgery</i> , <b>2013</b> , 96, 2083-9	2.7	51
151	Sizing for mitral annuloplasty: where does science stop and voodoo begin?. <i>Annals of Thoracic Surgery</i> , <b>2013</b> , 95, 1475-83	2.7	50
150	Heterogeneity of left ventricular wall thickening mechanisms. <i>Circulation</i> , <b>2008</b> , 118, 713-21	16.7	49
149	The effects of mitral regurgitation alone are sufficient for leaflet remodeling. <i>Circulation</i> , <b>2008</b> , 118, S243-9	16.7	47
148	Tachycardia-induced cardiomyopathy in the ovine heart: mitral annular dynamic three-dimensional geometry. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2003</b> , 125, 315-24	1.5	45
147	Pathogenesis of mitral regurgitation in tachycardia-induced cardiomyopathy. <i>Circulation</i> , <b>2001</b> , 104, 147-53	5.7	45
146	Valve-sparing aortic root replacement: current state of the art and where are we headed?. <i>Annals of Thoracic Surgery</i> , <b>2007</b> , 83, S736-9; discussion S785-90	2.7	44
145	Evolution of surgical therapy for Stanford acute type A aortic dissection. <i>Annals of Cardiothoracic Surgery</i> , <b>2016</b> , 5, 275-95	4.7	44
144	Does profound hypothermic circulatory arrest improve survival in patients with acute type a aortic dissection?. <i>Circulation</i> , <b>2002</b> , 106, 1218-28	16.7	44
143	Rigid, complete annuloplasty rings increase anterior mitral leaflet strains in the normal beating ovine heart. <i>Circulation</i> , <b>2011</b> , 124, S81-96	16.7	43
142	Outcomes of inoperable symptomatic aortic stenosis patients not undergoing aortic valve replacement: insight into the impact of balloon aortic valvuloplasty from the PARTNER trial (Placement of AoRtic TraNscathetER Valve trial). <i>JACC: Cardiovascular Interventions</i> , <b>2015</b> , 8, 324-333	5	42
141	Does septal-lateral annular cinching work for chronic ischemic mitral regurgitation?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2004</b> , 127, 654-63	1.5	42
140	Active stiffening of mitral valve leaflets in the beating heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2009</b> , 296, H1766-73	5.2	41



139	Endovascular Versus Open Repair of Intact Descending Thoracic Aortic Aneurysms. <i>Journal of the American College of Cardiology</i> , <b>2019</b> , 73, 643-651	15.1	40
138	Annular or subvalvular approach to chronic ischemic mitral regurgitation?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2005</b> , 129, 1266-75	1.5	40
137	Structural Deterioration of Transcatheter Versus Surgical Aortic Valve Bioprostheses in the PARTNER-2 Trial. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 76, 1830-1843	15.1	40
136	Thoracic aortic aneurysm repair with endovascular stent-grafts. <i>Vascular Medicine</i> , <b>1997</b> , 2, 98-103	3.3	39
135	Mitral leaflet remodeling in dilated cardiomyopathy. <i>Circulation</i> , <b>2006</b> , 114, 1518-23	16.7	39
134	Ischemia in three left ventricular regions: Insights into the pathogenesis of acute ischemic mitral regurgitation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2003</b> , 125, 559-69	1.5	39
133	Midterm survival after thoracic endovascular aortic repair in more than 10,000 Medicare patients. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2015</b> , 149, 808-20; discussion 820-3	1.5	37
132	Evidence of adaptive mitral leaflet growth. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2012</b> , 15, 208-17	4.1	37
131	Effects of different annuloplasty rings on anterior mitral leaflet dimensions. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2010</b> , 139, 1114-22	1.5	37
130	Impact of Short-Term Complications on Mortality and Quality of Life After Transcatheter Aortic Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , <b>2019</b> , 12, 362-369	5	37
129	SCAI/AATS/ACC/STS operator and institutional requirements for transcatheter valve repair and replacement. Part II. mitral valve. <i>Journal of the American College of Cardiology</i> , <b>2014</b> , 64, 1515-26	15.1	35
128	Evaluation of Flow After Transcatheter Aortic Valve Replacement in Patients With Low-Flow Aortic Stenosis: A Secondary Analysis of the PARTNER Randomized Clinical Trial. <i>JAMA Cardiology</i> , <b>2016</b> , 1, 584-92	16.2	34
127	The effect of pure mitral regurgitation on mitral annular geometry and three-dimensional saddle shape. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2008</b> , 136, 557-65	1.5	34
126	Recurrent mediastinal bronchogenic cyst. Cause of bronchial obstruction and compression of superior vena cava and pulmonary artery. <i>Chest</i> , <b>1978</b> , 74, 218-20	5.3	34
125	Left ventricular function, twist, and recoil after mitral valve replacement. <i>Circulation</i> , <b>1995</b> , 92, 11458-66	16.7	33
124	Transapical Transcatheter Aortic Valve Replacement Is Associated With Increased Cardiac Mortality in Patients With Left Ventricular Dysfunction: Insights From the PARTNER I Trial. <i>JACC: Cardiovascular Interventions</i> , <b>2017</b> , 10, 2414-2422	5	32
123	Posterior mitral leaflet extension: an adjunctive repair option for ischemic mitral regurgitation?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2006</b> , 131, 868-77	1.5	32
122	Passive ventricular constraint prevents transmural shear strain progression in left ventricle remodeling. <i>Circulation</i> , <b>2006</b> , 114, 179-86	16.7	32

121	Significant changes in mitral valve leaflet matrix composition and turnover with tachycardia-induced cardiomyopathy. <i>Circulation</i> , <b>2009</b> , 120, S112-9	16.7	30
120	Transmural cardiac strains in the lateral wall of the ovine left ventricle. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2005</b> , 288, H1546-56	5.2	30
119	Undersized mitral annuloplasty alters left ventricular shape during acute ischemic mitral regurgitation. <i>Circulation</i> , <b>2004</b> , 110, II98-102	16.7	29
118	Stroke After Surgical Versus Transfemoral Transcatheter Aortic Valve Replacement in the PARTNER Trial. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 72, 2415-2426	15.1	29
117	Greater asymmetric wall shear stress in Sievers Type 1/LR compared with 0/LAT bicuspid aortic valves after valve-sparing aortic root replacement. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2015</b> , 150, 59-68	1.5	28
116	Subvalvular repair: the key to repairing ischemic mitral regurgitation?. <i>Circulation</i> , <b>2005</b> , 112, I383-9	16.7	28
115	Does Profound Hypothermic Circulatory Arrest Improve Survival in Patients With Acute Type A Aortic Dissection?. <i>Circulation</i> , <b>2002</b> , 106,	16.7	27
114	Incidence and progression of mild aortic regurgitation after Tirone David reimplantation valve-sparing aortic root replacement. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2014</b> , 147, 169-77, 178.e1-178.e3	1.5	26
113	Mitral valve opening in the ovine heart. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>1998</b> , 274, H552-63	5.2	26
112	Realistic expectations of surgical treatment of aortic dissections: the Stanford experience. <i>World Journal of Surgery</i> , <b>1980</b> , 4, 571-8	3.3	26
111	Acute Limited Intimal Tears of the Thoracic Aorta. <i>Journal of the American College of Cardiology</i> , <b>2018</b> , 71, 2773-2785	15.1	25
110	Evaluation of Marfan patients status post valve-sparing aortic root replacement with 4D flow. <i>Magnetic Resonance Imaging</i> , <b>2013</b> , 31, 1479-84	3.3	25
109	How do annuloplasty rings affect mitral annular strains in the normal beating ovine heart?. <i>Circulation</i> , <b>2012</b> , 126, S231-8	16.7	25
108	Myofiber angle distributions in the ovine left ventricle do not conform to computationally optimized predictions. <i>Journal of Biomechanics</i> , <b>2008</b> , 41, 3219-24	2.9	25
107	How much septal-lateral mitral annular reduction do you get with new ischemic/functional mitral regurgitation annuloplasty rings?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2010</b> , 140, 117-21, 121.e1-3	1.5	24
106	Alterations in transmural strains adjacent to ischemic myocardium during acute midcircumflex occlusion. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2005</b> , 129, 791-803	1.5	24
105	The effects of mitral annuloplasty rings on mitral valve complex 3-D geometry during acute left ventricular ischemia. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2002</b> , 22, 808-16	3	24
104	Transmural left ventricular shear strain alterations adjacent to and remote from infarcted myocardium. <i>Journal of Heart Valve Disease</i> , <b>2006</b> , 15, 209-18; discussion 218		24



103	Multisociety (AATS, ACCF, SCAI, and STS) expert consensus statement: operator and institutional requirements for transcatheter valve repair and replacement, part 1: transcatheter aortic valve replacement. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2012</b> , 143, 1254-63	1.5	23
102	Active contraction of cardiac muscle: in vivo characterization of mechanical activation sequences in the beating heart. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2011</b> , 4, 1167-76	4.1	23
101	Anterior mitral leaflet curvature during the cardiac cycle in the normal ovine heart. <i>Circulation</i> , <b>2010</b> , 122, 1683-9	16.7	23
100	Ablation of mitral annular and leaflet muscle: effects on annular and leaflet dynamics. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2003</b> , 285, H1668-74	5.2	23
99	Prognostic significance of early aortic remodeling in acute uncomplicated type B aortic dissection and intramural hematoma. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2017</b> , 154, 1192-1200	1.5	22
98	Risk stratification in patients with pulmonary hypertension undergoing transcatheter aortic valve replacement. <i>Heart</i> , <b>2015</b> , 101, 1656-64	5.1	22
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