D Craig Miller

List of Publications by Year in Descending Order

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	Aortic growth and development of partial false lumen thrombosis are associated with late adverse events in type B aortic dissection. *Journal of Thoracic and Cardiovascular Surgery*, **2021**, 161, 1184-1190.e2	1.5	17
227	CTA pulmonary artery enlargement in patients with severe aortic stenosis: Prognostic impact after TAVR. *Journal of Cardiovascular Computed Tomography*, **2021**, 15, 431-440	2.8	2
226	Midterm outcomes of aortic root surgery in patients with Marfan syndrome: A prospective, multicenter, comparative study. *Journal of Thoracic and Cardiovascular Surgery*, **2021**,	1.5	3
225	Five-Year Outcomes of Transcatheter or Surgical Aortic-Valve Replacement. *New England Journal of Medicine*, **2020**, 382, 799-809	59.2	239
224	Repair of extra-anatomic bypass graft structural degeneration and pseudoaneurysm with endovascular stent-graft relining. *JTCVS Techniques*, **2020**, 3, 259-262	0.2	1
223	Structural Deterioration of Transcatheter Versus Surgical Aortic Valve Bioprostheses in the PARTNER-2 Trial. *Journal of the American College of Cardiology*, **2020**, 76, 1830-1843	15.1	40
222	Outcome of Flow-Gradient Patterns of Aortic Stenosis After Aortic Valve Replacement: An Analysis of the PARTNER 2 Trial and Registry. *Circulation: Cardiovascular Interventions*, **2020**, 13, e008792	6	7
221	Type A Aortic Dissection-Experience Over 5 Decades: JACC Historical Breakthroughs in Perspective. *Journal of the American College of Cardiology*, **2020**, 76, 1703-1713	15.1	22
220	Inter- and intrasite variability of mortality and stroke for sites performing both surgical and transcatheter aortic valve replacement for aortic valve stenosis in intermediate-risk patients. *Journal of Thoracic and Cardiovascular Surgery*, **2020**, 159, 1233-1244.e4	1.5	6
219	Quality of Life of Patients With Marfan Syndrome After Valve-Sparing or Valve-Replacement Operations. *Mayo Clinic Proceedings*, **2019**, 94, 1906-1909	6.4	1
218	3-Year Outcomes After Valve-in-Valve Transcatheter Aortic Valve Replacement for Degenerated Bioprostheses: The PARTNER 2 Registry. *Journal of the American College of Cardiology*, **2019**, 73, 2647-2655	15.1	63
217	Endovascular Versus Open Repair of Intact Descending Thoracic Aortic Aneurysms. *Journal of the American College of Cardiology*, **2019**, 73, 643-651	15.1	40
216	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	2.7	9
215	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	15.1	63
214	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	1.5	1
213	Do annuloplasty rings designed to treat ischemic/functional mitral regurgitation alter left-ventricular dimensions in the acutely ischemic ovine heart?. *Journal of Thoracic and Cardiovascular Surgery*, **2019**, 158, 1058-1068	1.5	8
212	Impact of Short-Term Complications on Mortality and Quality of Life After Transcatheter Aortic Valve Replacement. *JACC: Cardiovascular Interventions*, **2019**, 12, 362-369	5	37

211	Incremental Value of Aortomitral Continuity Calcification for Risk Assessment after Transcatheter Aortic Valve Replacement. *Radiology: Cardiothoracic Imaging*, **2019**, 1, e190067	8.3	3
210	Observed to expected 30-day mortality as a benchmark for transcatheter aortic valve replacement. *Journal of Thoracic and Cardiovascular Surgery*, **2019**, 157, 874-882.e8	1.5	5
209	Characterization of 3-dimensional papillary muscle displacement in in vivo ovine models of ischemic/functional mitral regurgitation. *Journal of Thoracic and Cardiovascular Surgery*, **2019**, 157, 1444-1449	1.5	10
208	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. *Catheterization*	2.7	6
207	Outcomes in 937 Intermediate-Risk Patients Undergoing Surgical Aortic Valve Replacement in PARTNER-2A. *Annals of Thoracic Surgery*, **2018**, 105, 1322-1329	2.7	17
206	Acute Limited Intimal Tears of the Thoracic Aorta. *Journal of the American College of Cardiology*, **2018**, 71, 2773-2785	15.1	25
205	Stroke After Surgical Versus Transfemoral Transcatheter Aortic Valve Replacement in the PARTNER Trial. *Journal of the American College of Cardiology*, **2018**, 72, 2415-2426	15.1	29
204	Cytokines profile of reverse cardiac remodeling following transcatheter aortic valve replacement. *International Journal of Cardiology*, **2018**, 270, 83-88	3.2	6
203	Transcatheter Aortic Valve Implantation Within Degenerated Aortic Surgical Bioprostheses: PARTNER 2 Valve-in-Valve Registry. *Journal of the American College of Cardiology*, **2017**, 69, 2253-2262	15.1	207
202	Prognostic significance of early aortic remodeling in acute uncomplicated type B aortic dissection and intramural hematoma. *Journal of Thoracic and Cardiovascular Surgery*, **2017**, 154, 1192-1200	1.5	22
201	Computed Tomography Imaging Features in Acute Uncomplicated Stanford Type-B Aortic Dissection Predict Late Adverse Events. *Circulation: Cardiovascular Imaging*, **2017**, 10,	3.9	52
200	Longitudinal Hemodynamics of Transcatheter and Surgical Aortic Valves in the PARTNER Trial. *JAMA Cardiology*, **2017**, 2, 1197-1206	16.2	54
199	Transcatheter Aortic Valve Replacement for Failed Surgical Bioprostheses: Insights from the PARTNER II Valve-in-Valve Registry on Utilizing Baseline Computed-Tomographic Assessment. *Structural Heart*, **2017**, 1, 34-39	0.6	2
198	Impact of Discordant Views in the Management of Descending Thoracic Aortic Aneurysm. *Seminars in Thoracic and Cardiovascular Surgery*, **2017**, 29, 283-291	1.7	2
197	Staging classification of aortic stenosis based on the extent of cardiac damage. *European Heart Journal*, **2017**, 38, 3351-3358	9.5	140
196	GDF-15 (Growth Differentiation Factor 15) Is Associated With Lack of Ventricular Recovery and Mortality After Transcatheter Aortic Valve Replacement. *Circulation: Cardiovascular Interventions*, **2017**, 10,	6	12
195	Transapical Transcatheter Aortic Valve Replacement Is Associated With Increased Cardiac Mortality in Patients With Left Ventricular Dysfunction: Insights From the PARTNER I Trial. *JACC: Cardiovascular Interventions*, **2017**, 10, 2414-2422	5	32
194	Dynamic changes in aortic impedance after transcatheter aortic valve replacement and its impact on exploratory outcome. *International Journal of Cardiovascular Imaging*, **2017**, 33, 1693-1701	2.5	7

193	Atrial Fibrillation is Associated with Increased Pacemaker Implantation Rates in the Placement of AoRTic Transcatheter Valve (PARTNER) Trial. *Journal of Atrial Fibrillation*, **2017**, 10, 1494	0.8	7
192	Evaluation of Flow After Transcatheter Aortic Valve Replacement in Patients With Low-Flow Aortic Stenosis: A Secondary Analysis of the PARTNER Randomized Clinical Trial. *JAMA Cardiology*, **2016**, 1, 584-92	16.2	34
191	Pre- and Postoperative Imaging of the Aortic Root. *Radiographics*, **2016**, 36, 19-37	5.4	17
190	Extracellular matrix remodeling in wound healing of critical size defects in the mitral valve leaflet. *Heart and Vessels*, **2016**, 31, 1186-95	2.1	4
189	Giant Pulmonary Artery Aneurysm in a Patient With Marfan Syndrome and Pulmonary Hypertension. *Circulation*, **2016**, 133, 1218-21	16.7	6
188	Descending aortic replacement after Nuss for pectus excavatum in a Marfan patient-Case report. *International Journal of Surgery Case Reports*, **2016**, 21, 16-9	0.8	
187	Atrial Fibrillation Is Associated With Increased Mortality in Patients Undergoing Transcatheter Aortic Valve Replacement: Insights From the Placement of Aortic Transcatheter Valve (PARTNER) Trial. *Circulation: Cardiovascular Interventions*, **2016**, 9, e002766	6	55
186	Evolution of surgical therapy for Stanford acute type A aortic dissection. *Annals of Cardiothoracic Surgery*, **2016**, 5, 275-95	4.7	44
185	Transcatheter or Surgical Aortic-Valve Replacement in Intermediate-Risk Patients. *New England Journal of Medicine*, **2016**, 374, 1609-20	59.2	2746
184	Transcatheter aortic valve replacement versus surgical valve replacement in intermediate-risk patients: a propensity score analysis. *Lancet, The*, **2016**, 387, 2218-25	40	697
183	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). *Circulation: Cardiovascular Interventions*, **2016**, 9,	6	89
182	The outcomes of transcatheter aortic valve replacement in a cohort of patients with end-stage renal disease. *Catheterization and Cardiovascular Interventions*, **2016**, 87, 1314-21	2.7	22
181	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. *Lancet, The*, **2015**, 385, 2477-84	40	1042
180	5-year outcomes of transcatheter aortic valve replacement compared with standard treatment for patients with inoperable aortic stenosis (PARTNER 1): a randomised controlled trial. *Lancet, The*, **2015**, 385, 2485-91	40	549
179	SCAI/AATS/ACC/STS Operator and Institutional Requirements for Transcatheter Valve Repair and Replacement, Part III: Pulmonic Valve. *Journal of the American College of Cardiology*, **2015**, 65, 2556-63	15.1	16
178	Greater asymmetric wall shear stress in SieversQtype 1/LR compared with 0/LAT bicuspid aortic valves after valve-sparing aortic root replacement. *Journal of Thoracic and Cardiovascular Surgery*, **2015**, 150, 59-68	1.5	28
177	Geometric perturbations in multiheaded papillary tip positions associated with acute ovine ischemic mitral regurgitation. *Journal of Thoracic and Cardiovascular Surgery*, **2015**, 150, 232-7	1.5	7
176	Reply: When to Call It Severe Mitral Regurgitation?. *Journal of the American College of Cardiology*, **2015**, 65, 2767-8	15.1	

175	SCAI/AATS/ACC/STS Operator and Institutional Requirements for Transcatheter Valve Repair and Replacement, Part III: Pulmonic Valve. *Annals of Thoracic Surgery*, **2015**, 99, 1857-64	2.7	
174	Reprint of: Rationale and results of the Stanford modification of the David V reimplantation technique for valve-sparing aortic root replacement. *Journal of Thoracic and Cardiovascular Surgery*, **2015**, 149, S18-20	1.5	5
173	Cellular and Extracellular Matrix Basis for Heterogeneity in Mitral Annular Contraction. *Cardiovascular Engineering and Technology*, **2015**, 6, 151-9	2.2	3
172	Heterogeneity of Mitral Leaflet Matrix Composition and Turnover Correlates with Regional Leaflet Strain. *Cardiovascular Engineering and Technology*, **2015**, 6, 141-50	2.2	2
171	Propensity-matched comparisons of clinical outcomes after transapical or transfemoral transcatheter aortic valve replacement: a placement of aortic transcatheter valves (PARTNER)-I trial substudy. *Circulation*, **2015**, 131, 1989-2000	16.7	191
170	Midterm survival after thoracic endovascular aortic repair in more than 10,000 Medicare patients. *Journal of Thoracic and Cardiovascular Surgery*, **2015**, 149, 808-20; discussion 820-3	1.5	37
169	Appropriate patient selection or health care rationing? Lessons from surgical aortic valve replacement in the Placement of Aortic Transcatheter Valves I trial. *Journal of Thoracic and Cardiovascular Surgery*, **2015**, 150, 557-68.e11	1.5	7
168	Risk stratification in patients with pulmonary hypertension undergoing transcatheter aortic valve replacement. *Heart*, **2015**, 101, 1656-64	5.1	22
167	Aortic Valve Repair. *Seminars in Thoracic and Cardiovascular Surgery*, **2015**, 27, 271-87	1.7	6
166	Rationale and results of the Stanford modification of the David V reimplantation technique for valve-sparing aortic root replacement. *Journal of Thoracic and Cardiovascular Surgery*, **2015**, 149, 112-4	1.5	21
165	SCAI/AATS/ACC/STS operator and institutional requirements for transcatheter valve repair and replacement, Part III: Pulmonic valve. *Catheterization and Cardiovascular Interventions*, **2015**, 86, 85-93	2.7	3
164	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. *Circulation: Cardiovascular Interventions*, **2015**, 8,	6	110
163	A Randomized Evaluation of the SAPIEN XT Transcatheter Heart Valve System in Patients With Aortic Stenosis Who Are Not Candidates for Surgery. *JACC: Cardiovascular Interventions*, **2015**, 8, 1797-806	5	74
162	SCAI/AATS/ACC/STS operator and institutional requirements for transcatheter valve repair and replacement, part III: Pulmonic valve. *Journal of Thoracic and Cardiovascular Surgery*, **2015**, 149, e71-8	1.5	0
161	Midterm Outcomes of Open Descending Thoracic Aortic Repair in More Than 5,000 Medicare Patients. *Annals of Thoracic Surgery*, **2015**, 100, 2087-94; discussion 2094	2.7	15
160	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). *JACC: Cardiovascular Interventions*, **2015**, 8, 324-333	5	42
159	Predictors and clinical outcomes of permanent pacemaker implantation after transcatheter aortic valve replacement: the PARTNER (Placement of AoRtic TraNscathetER Valves) trial and registry. *JACC: Cardiovascular Interventions*, **2015**, 8, 60-9	5	334
158	Incidence and progression of mild aortic regurgitation after Tirone David reimplantation valve-sparing aortic root replacement. *Journal of Thoracic and Cardiovascular Surgery*, **2014**, 147, 169-77, 178.e1-178.e3	1.5	26

157	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. *Journal of the American College of Cardiology*, **2014**, 64, 1323-34	15.1	224
156	Comprehensive analysis of mortality among patients undergoing TAVR: results of the PARTNER trial. *Journal of the American College of Cardiology*, **2014**, 64, 158-68	15.1	58
155	SCAI/AATS/ACC/STS operator and institutional requirements for transcatheter valve repair and replacement. Part II. Mitral valve. *Journal of Thoracic and Cardiovascular Surgery*, **2014**, 148, 387-400	1.5	2
154	Early regression of severe left ventricular hypertrophy after transcatheter aortic valve replacement is associated with decreased hospitalizations. *JACC: Cardiovascular Interventions*, **2014**, 7, 662-73	5	97
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. *Journal of Thoracic and Cardiovascular Surgery*, **2014**, 148, 2830-7.e1	1.5	51
152	Temporal changes in survival after cardiac surgery are associated with the thirty-day mortality benchmark. *Health Services Research*, **2014**, 49, 1659-69	3.4	13
151	Defining "severe" secondary mitral regurgitation: emphasizing an integrated approach. *Journal of the American College of Cardiology*, **2014**, 64, 2792-801	15.1	129
150	Long-term outcomes of inoperable patients with aortic stenosis randomly assigned to transcatheter aortic valve replacement or standard therapy. *Circulation*, **2014**, 130, 1483-92	16.7	125
149	Tirone David procedure for bicuspid aortic valve disease: impact of root geometry and valve type on mid-term outcomes. *Interactive Cardiovascular and Thoracic Surgery*, **2014**, 19, 375-81; discussion 381	1.8	17
148	SCAI/AATS/ACC/STS operator and institutional requirements for transcatheter valve repair and replacement. Part II. mitral valve. *Journal of the American College of Cardiology*, **2014**, 64, 1515-26	15.1	35
147	Early and 1-year outcomes of aortic root surgery in patients with Marfan syndrome: a prospective, multicenter, comparative study. *Journal of Thoracic and Cardiovascular Surgery*, **2014**, 147, 1758-66, 1767.e1-4	1.5	70
146	SCAI/AATS/ACC/STS operator and institutional requirements for transcatheter valve repair and replacement: Part II. Mitral valve. *Annals of Thoracic Surgery*, **2014**, 98, 765-77	2.7	3
145	Mechanics of the mitral annulus in chronic ischemic cardiomyopathy. *Annals of Biomedical Engineering*, **2013**, 41, 2171-80	4.7	20
144	Through the looking glass: the first 20 years of thoracic aortic stent-grafting. *Journal of Thoracic and Cardiovascular Surgery*, **2013**, 145, S142-8	1.5	10
143	Mechanics of the mitral valve: a critical review, an in vivo parameter identification, and the effect of prestrain. *Biomechanics and Modeling in Mechanobiology*, **2013**, 12, 1053-71	3.8	59
142	David valve-sparing aortic root replacement: equivalent mid-term outcome for different valve types with or without connective tissue disorder. *Journal of Thoracic and Cardiovascular Surgery*, **2013**, 145, 117-26, 127.e1-5; discussion 126-7	1.5	91
141	Implementation of echocardiography core laboratory best practices: a case study of the PARTNER I trial. *Journal of the American Society of Echocardiography*, **2013**, 26, 348-358.e3	5.8	72
140	Evaluation of Marfan patients status post valve-sparing aortic root replacement with 4D flow. *Magnetic Resonance Imaging*, **2013**, 31, 1479-84	3.3	25

139	Transapical aortic valve replacement for severe aortic stenosis: results from the nonrandomized continued access cohort of the PARTNER trial. *Annals of Thoracic Surgery*, **2013**, 96, 2083-9	2.7	51
138	Sizing for mitral annuloplasty: where does science stop and voodoo begin?. *Annals of Thoracic Surgery*, **2013**, 95, 1475-83	2.7	50
137	Aortic valve and ascending aorta guidelines for management and quality measures: executive summary. *Annals of Thoracic Surgery*, **2013**, 95, 1491-505	2.7	85
136	Aortic valve and ascending aorta guidelines for management and quality measures. *Annals of Thoracic Surgery*, **2013**, 95, S1-66	2.7	146
135	Predictors of mortality and outcomes of therapy in low-flow severe aortic stenosis: a Placement of Aortic Transcatheter Valves (PARTNER) trial analysis. *Circulation*, **2013**, 127, 2316-26	16.7	260
134	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. *Circulation*, **2013**, 128, 2776-84	16.7	101
133	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. *Annals of Thoracic Surgery*, **2012**, 93, 2093-110	2.7	9
132	Transcatheter (TAVR) versus surgical (AVR) aortic valve replacement: occurrence, hazard, risk factors, and consequences of neurologic events in the PARTNER trial. *Journal of Thoracic and Cardiovascular Surgery*, **2012**, 143, 832-843.e13	1.5	244
131	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. *Journal of Thoracic and Cardiovascular Surgery*, **2012**, 143, 1254-63	1.5	23
130	Kinematics of cardiac growth: in vivo characterization of growth tensors and strains. *Journal of the Mechanical Behavior of Biomedical Materials*, **2012**, 8, 165-77	4.1	21
129	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). *Journal of the American College of Cardiology*, **2012**, 60, 2683-92	15.1	165
128	How do annuloplasty rings affect mitral annular strains in the normal beating ovine heart?. *Circulation*, **2012**, 126, S231-8	16.7	25
127	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. *Journal of the American College of Cardiology*, **2012**, 59, 2028-42	15.1	74
126	Contemporary results for proximal aortic replacement in North America. *Journal of the American College of Cardiology*, **2012**, 60, 1156-62	15.1	121
125	Evidence of adaptive mitral leaflet growth. *Journal of the Mechanical Behavior of Biomedical Materials*, **2012**, 15, 208-17	4.1	37
124	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. *Catheterization and Cardiovascular Interventions*, **2012**, 80, 1-17	2.7	3
123	Mitral valve annuloplasty: a quantitative clinical and mechanical comparison of different annuloplasty devices. *Annals of Biomedical Engineering*, **2012**, 40, 750-61	4.7	56
122	Iatrogenic giant coronary artery pseudoaneurysm with "daughter aneurysm" formation: serial imaging findings and natural history. *Journal of Thoracic Imaging*, **2012**, 27, W185-7	5.6	3

121	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. *Journal of Vascular Surgery*, **2011**, 53, 1082-90	3.5	131
120	Another multidisciplinary look at ischemic mitral regurgitation. *Seminars in Thoracic and Cardiovascular Surgery*, **2011**, 23, 220-31	1.7	13
119	Active contraction of cardiac muscle: in vivo characterization of mechanical activation sequences in the beating heart. *Journal of the Mechanical Behavior of Biomedical Materials*, **2011**, 4, 1167-76	4.1	23
118	Effects of different annuloplasty ring types on mitral leaflet tenting area during acute myocardial ischemia. *Journal of Thoracic and Cardiovascular Surgery*, **2011**, 141, 345-53	1.5	21
117	Characterization of mitral valve annular dynamics in the beating heart. *Annals of Biomedical Engineering*, **2011**, 39, 1690-702	4.7	53
116	The presence of two local myocardial sheet populations confirmed by diffusion tensor MRI and histological validation. *Journal of Magnetic Resonance Imaging*, **2011**, 34, 1080-91	5.6	58
115	Transcatheter versus surgical aortic-valve replacement in high-risk patients. *New England Journal of Medicine*, **2011**, 364, 2187-98	59.2	4230
114	Multiple mitral leaflet contractile systems in the beating heart. *Journal of Biomechanics*, **2011**, 44, 1328-33	2.9	12
113	In vivo dynamic strains of the ovine anterior mitral valve leaflet. *Journal of Biomechanics*, **2011**, 44, 1149-57	2.9	54
112	Rigid, complete annuloplasty rings increase anterior mitral leaflet strains in the normal beating ovine heart. *Circulation*, **2011**, 124, S81-96	16.7	43
111	Electromechanical coupling between the atria and mitral valve. *American Journal of Physiology - Heart and Circulatory Physiology*, **2011**, 300, H1267-73	5.2	8
110	Intraoperative conversion after surgical failure: an overlooked complication of aortic root replacement in Marfan patients?. *Texas Heart Institute Journal*, **2011**, 38, 684-6	0.8	3
109	Anterior mitral leaflet curvature during the cardiac cycle in the normal ovine heart. *Circulation*, **2010**, 122, 1683-9	16.7	23
108	Transcatheter aortic-valve implantation for aortic stenosis in patients who cannot undergo surgery. *New England Journal of Medicine*, **2010**, 363, 1597-607	59.2	4801
107	Functional Coupling of Valvular Interstitial Cells and Collagen Via β1 Integrins in the Mitral Leaflet. *Cellular and Molecular Bioengineering*, **2010**, 3, 428-437	3.9	19
106	How much septal-lateral mitral annular reduction do you get with new ischemic/functional mitral regurgitation annuloplasty rings?. *Journal of Thoracic and Cardiovascular Surgery*, **2010**, 140, 117-21, 121.e1-3	1.5	24
105	Effects of different annuloplasty rings on anterior mitral leaflet dimensions. *Journal of Thoracic and Cardiovascular Surgery*, **2010**, 139, 1114-22	1.5	37
104	The 2008 Scientific Achievement Award recipient: Andrew S. Wechsler, MD. *Journal of Thoracic and Cardiovascular Surgery*, **2010**, 139, 1367-8	1.5	

103	Significant changes in mitral valve leaflet matrix composition and turnover with tachycardia-induced cardiomyopathy. *Circulation*, **2009**, 120, S112-9	16.7	30
102	Reduced systolic torsion in chronic "pure" mitral regurgitation. *Circulation: Cardiovascular Imaging*, **2009**, 2, 85-92	3.9	19
101	Active stiffening of mitral valve leaflets in the beating heart. *American Journal of Physiology - Heart and Circulatory Physiology*, **2009**, 296, H1766-73	5.2	41
100	Valve-sparing and valve-replacing techniques for aortic root replacement in patients with Marfan syndrome: analysis of early outcome. *Journal of Thoracic and Cardiovascular Surgery*, **2009**, 137, 641-9	1.5	16
99	Valve-sparing and valve-replacing techniques for aortic root replacement in patients with Marfan syndrome: Analysis of early outcome. *Journal of Thoracic and Cardiovascular Surgery*, **2009**, 137, 1124-32	1.5	52
98	Mitral annular hinge motion contribution to changes in mitral septal-lateral dimension and annular area. *Journal of Thoracic and Cardiovascular Surgery*, **2009**, 138, 1090-9	1.5	21
97	Long-term durability of open thoracic and thoracoabdominal aneurysm repair. *Seminars in Vascular Surgery*, **2009**, 22, 74-80	1.2	14
96	Guidelines for Reporting Mortality and Morbidity After Cardiac Valve Interventions: Need for a Reappraisal? (Response). *Annals of Thoracic Surgery*, **2009**, 87, 359-360	2.7	8
95	Characterization of mitral valve anterior leaflet perfusion patterns. *Journal of Heart Valve Disease*, **2009**, 18, 488-95		11
94	Regional mitral leaflet opening during acute ischemic mitral regurgitation. *Journal of Heart Valve Disease*, **2009**, 18, 586-96; discussion 597		2
93	Reporting "actual freedom" should not be banned. *Journal of Thoracic and Cardiovascular Surgery*, **2008**, 135, 460-2; author reply 460	1.5	6
92	Guidelines for reporting mortality and morbidity after cardiac valve interventions. *Journal of Thoracic and Cardiovascular Surgery*, **2008**, 135, 732-8	1.5	457
91	The effect of pure mitral regurgitation on mitral annular geometry and three-dimensional saddle shape. *Journal of Thoracic and Cardiovascular Surgery*, **2008**, 136, 557-65	1.5	34
90	The aortopathy of bicuspid aortic valve disease has distinctive patterns and usually involves the transverse aortic arch. *Journal of Thoracic and Cardiovascular Surgery*, **2008**, 135, 901-7, 907.e1-2	1.5	172
89	Complicated acute type B aortic dissection: midterm results of emergency endovascular stent-grafting. *Journal of Thoracic and Cardiovascular Surgery*, **2008**, 136, 424-30	1.5	80
88	Expert consensus document on the treatment of descending thoracic aortic disease using endovascular stent-grafts. *Annals of Thoracic Surgery*, **2008**, 85, S1-41	2.7	654
87	Guidelines for reporting mortality and morbidity after cardiac valve interventions. *Annals of Thoracic Surgery*, **2008**, 85, 1490-5	2.7	341
86	Pre- and postoperative imaging of the aortic root for valve-sparing aortic root repair (V-SARR). *Seminars in Thoracic and Cardiovascular Surgery*, **2008**, 20, 365-73	1.7	17

85	Heterogeneity of left ventricular wall thickening mechanisms. *Circulation*, **2008**, 118, 713-21	16.7	49
84	Alterations in transmural myocardial strain: an early marker of left ventricular dysfunction in mitral regurgitation?. *Circulation*, **2008**, 118, S256-62	16.7	16
83	Effects of acute ischemic mitral regurgitation on three-dimensional mitral leaflet edge geometry. *European Journal of Cardio-thoracic Surgery*, **2008**, 33, 191-7	3	6
82	Material properties of the ovine mitral valve anterior leaflet in vivo from inverse finite element analysis. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 295, H1141-H1149	5.2	68
81	The effects of mitral regurgitation alone are sufficient for leaflet remodeling. *Circulation*, **2008**, 118, S243-9	16.7	47
80	Myofiber angle distributions in the ovine left ventricle do not conform to computationally optimized predictions. *Journal of Biomechanics*, **2008**, 41, 3219-24	2.9	25
79	Effect of chronotropy and inotropy on stitch tension in the edge-to-edge mitral repair. *Circulation*, **2007**, 116, I276-81	16.7	9
78	Valve-sparing aortic root replacement: current state of the art and where are we headed?. *Annals of Thoracic Surgery*, **2007**, 83, S736-9; discussion S785-90	2.7	44
77	Posterior mitral leaflet extension: an adjunctive repair option for ischemic mitral regurgitation?. *Journal of Thoracic and Cardiovascular Surgery*, **2006**, 131, 868-77	1.5	32
76	Mitral leaflet remodeling in dilated cardiomyopathy. *Circulation*, **2006**, 114, I518-23	16.7	39
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