

# Pedro J Del Nido

## List of Publications by Citations

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164  
papers

3,182  
citations

32  
h-index

49  
g-index

180  
ext. papers

4,177  
ext. citations

3.9  
avg, IF

5.56  
L-index

#	Paper	IF	Citations
164	Autologous mitochondrial transplantation for dysfunction after ischemia-reperfusion injury. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2017</b> , 154, 286-289	1.5	124
163	Fetal aortic valvuloplasty for evolving hypoplastic left heart syndrome: postnatal outcomes of the first 100 patients. <i>Circulation</i> , <b>2014</b> , 130, 638-45	16.7	124
162	Concentric Tube Robot Design and Optimization Based on Task and Anatomical Constraints. <i>IEEE Transactions on Robotics</i> , <b>2015</b> , 31, 67-84	6.5	108
161	Staged left ventricular recruitment after single-ventricle palliation in patients with borderline left heart hypoplasia. <i>Journal of the American College of Cardiology</i> , <b>2012</b> , 60, 1966-74	15.1	100
160	Accelerated degeneration of a bovine pericardial bioprosthetic aortic valve in children and young adults. <i>Circulation</i> , <b>2014</b> , 130, 51-60	16.7	94
159	Actin-dependent mitochondrial internalization in cardiomyocytes: evidence for rescue of mitochondrial function. <i>Biology Open</i> , <b>2015</b> , 4, 622-6	2.2	90
158	Myocardial rescue with autologous mitochondrial transplantation in a porcine model of ischemia/reperfusion. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2017</b> , 153, 934-943	1.5	88
157	Preliminary experience with porcine intestinal submucosa (CorMatrix) for valve reconstruction in congenital heart disease: histologic evaluation of explanted valves. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2014</b> , 148, 2216-4, 2225.e1	1.5	82
156	Mitochondrial transplantation: From animal models to clinical use in humans. <i>Mitochondrion</i> , <b>2017</b> , 34, 127-134	4.9	80
155	Mitochondrial transplantation for therapeutic use. <i>Clinical and Translational Medicine</i> , <b>2016</b> , 5, 16	5.7	79
154	Primary left ventricular rehabilitation is effective in maintaining two-ventricle physiology in the borderline left heart. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2009</b> , 138, 1276-82	1.5	75
153	Transit and integration of extracellular mitochondria in human heart cells. <i>Scientific Reports</i> , <b>2017</b> , 7, 17450	4.9	70
152	Management of Systemic Right Ventricular Failure in Patients With Congenitally Corrected Transposition of the Great Arteries. <i>Circulation</i> , <b>2016</b> , 134, 1293-1302	16.7	67
151	Endocardial fibroelastosis is caused by aberrant endothelial to mesenchymal transition. <i>Circulation Research</i> , <b>2015</b> , 116, 857-66	15.7	64
150	Force Tracking with Feed-Forward Motion Estimation for Beating Heart Surgery. <i>IEEE Transactions on Robotics</i> , <b>2010</b> , 26, 888-896	6.5	63
149	Younger age and valve oversizing are predictors of structural valve deterioration after pulmonary valve replacement in patients with tetralogy of Fallot. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2012</b> , 143, 352-60	1.5	60
148	Fluorescence measurement of calcium transients in perfused rabbit heart using rhod 2. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>1998</b> , 274, H728-41	5.2	49

147	Mitochondrial transplantation prolongs cold ischemia time in murine heart transplantation. <i>Journal of Heart and Lung Transplantation</i> , <b>2019</b> , 38, 92-99	5.8	45
146	Mitochondrial Transplantation in Myocardial Ischemia and Reperfusion Injury. <i>Advances in Experimental Medicine and Biology</i> , <b>2017</b> , 982, 595-619	3.6	43
145	Outcome and performance of bioprosthetic pulmonary valve replacement in patients with congenital heart disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2016</b> , 152, 1333-1342.e3	1.5	43
144	Technical Performance Scores are strongly associated with early mortality, postoperative adverse events, and intensive care unit length of stay-analysis of consecutive discharges for 2 years. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2014</b> , 147, 389-94, 396.e1-396.e3	1.5	42
143	Acute kidney injury after Fontan completion: Risk factors and outcomes. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2015</b> , 150, 190-7	1.5	39
142	Ischemic dysfunction in transgenic mice expressing troponin I lacking protein kinase C phosphorylation sites. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2001</b> , 280, H835-843	5.2	39
141	Surgical management of right ventricular dysfunction late after repair of tetralogy of fallot: right ventricular remodeling surgery. <i>Pediatric Cardiac Surgery Annual</i> , <b>2006</b> , 29-34	2.1	38
140	Alloreactivity and allorecognition of syngeneic and allogeneic mitochondria. <i>Mitochondrion</i> , <b>2019</b> , 46, 103-115	4.9	37
139	Mitochondrial transplantation enhances murine lung viability and recovery after ischemia-reperfusion injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2020</b> , 318, L78-L88	5.8	35
138	Biventricular conversion after single ventricle palliation in patients with small left heart structures: short-term outcomes. <i>Annals of Thoracic Surgery</i> , <b>2013</b> , 96, 1406-1412	2.7	34
137	A Novel Biological Strategy for Myocardial Protection by Intracoronary Delivery of Mitochondria: Safety and Efficacy. <i>JACC Basic To Translational Science</i> , <b>2019</b> , 4, 871-888	8.7	34
136	Impact of pacing on systemic ventricular function in L-transposition of the great arteries. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2016</b> , 151, 131-8	1.5	33
135	Preischemic autologous mitochondrial transplantation by intracoronary injection for myocardial protection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2020</b> , 160, e15-e29	1.5	33
134	Soft robotic ventricular assist device with septal bracing for therapy of heart failure. <i>Science Robotics</i> , <b>2017</b> , 2,	18.6	32
133	Optimal surgical approach for repair of aortopulmonary window. <i>Cardiology in the Young</i> , <b>2001</b> , 11, 385-90		32
132	Late left ventricular dysfunction after anatomic repair of congenitally corrected transposition of the great arteries. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2014</b> , 148, 254-8	1.5	31
131	Pressure overload induces IL-18 and IL-18R expression, but markedly suppresses IL-18BP expression in a rabbit model. IL-18 potentiates TNF- $\alpha$ -induced cardiomyocyte death. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2014</b> , 75, 141-51	5.8	30
130	Congenital aortic and truncal valve reconstruction using the Ozaki technique: Short-term clinical results. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2021</b> , 161, 1567-1577	1.5	29

129	A light-reflecting balloon catheter for atraumatic tissue defect repair. <i>Science Translational Medicine</i> , <b>2015</b> , 7, 306ra149	17.5	28
128	Concept of an expandable cardiac valve for surgical implantation in infants and children. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2016</b> , 152, 1514-1523	1.5	28
127	Mechanisms of tricuspid regurgitation in patients with hypoplastic left heart syndrome undergoing tricuspid valvuloplasty. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2014</b> , 148, 832-8; discussion 838-40	1.5	28
126	Mitochondrial transplantation for myocardial protection in diabetic hearts. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2020</b> , 57, 836-845	3	27
125	Delayed Transplantation of Autologous Mitochondria for Cardioprotection in a Porcine Model. <i>Annals of Thoracic Surgery</i> , <b>2020</b> , 109, 711-719	2.7	27
124	Mitral valve operations at a high-volume pediatric heart center: Evolving techniques and improved survival with mitral valve repair versus replacement. <i>Annals of Pediatric Cardiology</i> , <b>2012</b> , 5, 13-20	0.8	25
123	An Active Motion Compensation Instrument for Beating Heart Mitral Valve Surgery <b>2007</b> ,		25
122	Mitochondrial transplantation ameliorates acute limb ischemia. <i>Journal of Vascular Surgery</i> , <b>2020</b> , 71, 1014-1026	3.5	24
121	Congenital mitral valve stenosis: anatomic variants and surgical reconstruction. <i>Pediatric Cardiac Surgery Annual</i> , <b>2012</b> , 15, 69-74	2.1	23
120	Valve-sparing repair with intraoperative balloon dilation in tetralogy of Fallot: Midterm results and therapeutic implications. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2018</b> , 155, 1163-1173.e4	1.5	23
119	Long-term outcomes and risk factors for aortic regurgitation after discrete subvalvular aortic stenosis resection in children. <i>Heart</i> , <b>2015</b> , 101, 1547-53	5.1	21
118	Mechanical stress is associated with right ventricular response to pulmonary valve replacement in patients with repaired tetralogy of Fallot. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2016</b> , 151, 687-694.e3 <sup>21</sup>	1.5	21
117	Impact of surgical pulmonary valve replacement on ventricular strain and synchrony in patients with repaired tetralogy of Fallot: a cardiovascular magnetic resonance feature tracking study. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2018</b> , 20, 37	6.9	21
116	Hemodynamic parameters predict adverse outcomes following biventricular conversion with single-ventricle palliation takedown. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2017</b> , 154, 572-582	1.5	20
115	A Growth-Accommodating Implant for Paediatric Applications. <i>Nature Biomedical Engineering</i> , <b>2017</b> , 1, 818-825	19	20
114	An Intracardiac Soft Robotic Device for Augmentation of Blood Ejection from the Failing Right Ventricle. <i>Annals of Biomedical Engineering</i> , <b>2017</b> , 45, 2222-2233	4.7	19
113	Improved protection of the hypertrophied left ventricle by histidine-containing cardioplegia. <i>Circulation</i> , <b>1995</b> , 92, 11395-9	16.7	19
112	Outcomes following thoracotomy or thoracoscopic vascular ring division in children and young adults. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2017</b> , 154, 607-615	1.5	18

111	Tissue removal inside the beating heart using a robotically delivered metal MEMS tool. <i>International Journal of Robotics Research</i> , <b>2015</b> , 34, 236-247	5.7	18
110	Treatment planning for a TCPC test case: a numerical investigation under rigid and moving wall assumptions. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , <b>2013</b> , 29, 197-216	2.6	18
109	A geometrically adaptable heart valve replacement. <i>Science Translational Medicine</i> , <b>2020</b> , 12,	17.5	18
108	Patient-Specific MRI-Based Right Ventricle Models Using Different Zero-Load Diastole and Systole Geometries for Better Cardiac Stress and Strain Calculations and Pulmonary Valve Replacement Surgical Outcome Predictions. <i>PLoS ONE</i> , <b>2016</b> , 11, e0162986	3.7	18
107	Autologous mitochondrial transplantation for cardiogenic shock in pediatric patients following ischemia-reperfusion injury. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2021</b> , 162, 992-1001	1.5	18
106	Mid-term outcomes in unbalanced complete atrioventricular septal defect: role of biventricular conversion from single-ventricle palliation. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2017</b> , 52, 565-572	2	17
105	Technical performance score as predictor for post-discharge reintervention in valve-sparing tetralogy of Fallot repair. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2014</b> , 26, 297-303	1.7	17
104	Initial experience introducing an enhanced recovery program in congenital cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2020</b> , 160, 1313-1321.e5	1.5	17
103	Mitochondrial transplantation by intra-arterial injection for acute kidney injury. <i>American Journal of Physiology - Renal Physiology</i> , <b>2020</b> , 319, F403-F413	4.3	17
102	Tricuspid regurgitation or Ebsteinoid dysplasia of the tricuspid valve in congenitally corrected transposition: is valvuloplasty necessary at anatomic repair?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2014</b> , 147, 576-80	1.5	16
101	Fast block flow tracking of atrial septal defects in 4D echocardiography. <i>Medical Image Analysis</i> , <b>2008</b> , 12, 397-412	15.4	16
100	Cardioprotection afforded by ischemic preconditioning interferes with chronic beta-blocker treatment. <i>Scandinavian Cardiovascular Journal</i> , <b>2004</b> , 38, 293-9	2	16
99	Autogenous mitochondria transplantation for treatment of right heart failure. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2021</b> , 162, e111-e121	1.5	16
98	Automated detection of coarctation of aorta in neonates from two-dimensional echocardiograms. <i>Journal of Medical Imaging</i> , <b>2017</b> , 4, 014502	2.6	14
97	Vascular Endothelial Growth Factor Prevents Endothelial-to-Mesenchymal Transition in Hypertrophy. <i>Annals of Thoracic Surgery</i> , <b>2017</b> , 104, 932-939	2.7	14
96	Staged ventricular recruitment in patients with borderline ventricles and large ventricular septal defects. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2018</b> , 156, 254-264	1.5	13
95	Anomalous Aortic Origin of Coronary Arteries: A Single-Center Experience. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2016</b> , 28, 791-800	1.7	13
94	Flow disturbances and the development of endocardial fibroelastosis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2020</b> , 159, 637-646	1.5	13

93	Long-term Surgical Prognosis of Primary Supravalvular Aortic Stenosis Repair. <i>Annals of Thoracic Surgery</i> , <b>2019</b> , 108, 1202-1209	2.7	12
92	Right ventricular outflow tract reintervention after primary tetralogy of Fallot repair in neonates and young infants. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2018</b> , 155, 726-734	1.5	12
91	The American Association for Thoracic Surgery Consensus Guidelines: Reasons and purpose. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2016</b> , 151, 935-9.e1	1.5	12
90	Repair of double outlet right ventricle: Midterm outcomes. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2019</b> ,	1.5	12
89	Intraoperative Echocardiography for Congenital Aortic Valve Repair: Predictors of Early Reoperation. <i>Annals of Thoracic Surgery</i> , <b>2015</b> , 100, 678-85	2.7	11
88	Review of Congenital Mitral Valve Stenosis: Analysis, Repair Techniques and Outcomes. <i>Cardiovascular Engineering and Technology</i> , <b>2015</b> , 6, 167-73	2.2	11
87	Targeted Increase in Pulmonary Blood Flow in a Bidirectional Glenn Circulation. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2018</b> , 30, 182-188	1.7	11
86	Predictors of Postoperative Rehabilitation Therapy Following Congenital Heart Surgery. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7,	6	11
85	Factors associated with severe aortic dilation in patients with Fontan palliation. <i>Heart</i> , <b>2017</b> , 103, 280-286	3.1	10
84	Dynamic Augmentation of Left Ventricle and Mitral Valve Function With an Implantable Soft Robotic Device. <i>JACC Basic To Translational Science</i> , <b>2020</b> , 5, 229-242	8.7	10
83	Straightening of curved pattern of collagen fibers under load controls aortic valve shape. <i>Journal of Biomechanics</i> , <b>2014</b> , 47, 341-6	2.9	10
82	Repair of Tetralogy of Fallot in Neonates and Young Infants. <i>Circulation</i> , <b>1999</b> , 100,	16.7	10
81	Aortic valve neo-cuspidation using the Ozaki technique for acquired and congenital disease: where does this procedure currently stand?. <i>Indian Journal of Thoracic and Cardiovascular Surgery</i> , <b>2020</b> , 36, 113-122	0.4	10
80	Mitochondrial transplantation for myocardial protection in ex-situ-perfused hearts donated after circulatory death. <i>Journal of Heart and Lung Transplantation</i> , <b>2020</b> , 39, 1279-1288	5.8	10
79	Bilateral Erector Spinae Blocks Decrease Perioperative Opioid Use After Pediatric Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , <b>2021</b> , 35, 2082-2087	2.1	10
78	Interdigitating Myocardial Tongues in Pediatric Cardiac Fibromas: Plausible Substrate for Ventricular Tachycardia and Cardiac Arrest. <i>JACC: Clinical Electrophysiology</i> , <b>2019</b> , 5, 563-575	4.6	9
77	Surgical reconstruction of semilunar valves in the growing child: Should we mimic the venous valve? A simulation study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2017</b> , 153, 389-396	1.5	9
76	Fontan with lateral tunnel is associated with improved survival compared with extracardiac conduit. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2020</b> , 159, 1480-1491.e2	1.5	9

75	Letter by McCully et al Regarding Article, "Mitochondria Do Not Survive Calcium Overload". <i>Circulation Research</i> , <b>2020</b> , 126, e56-e57	15.7	9
74	Mechanical Properties of Autologous Pericardium Change With Fixation Time: Implications for Valve Reconstruction. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2019</b> , 31, 852-854	1.7	8
73	Technical Performance Score Predicts Partial/Transitional Atrioventricular Septal Defect Outcomes. <i>Annals of Thoracic Surgery</i> , <b>2018</b> , 105, 1461-1468	2.7	8
72	The safety and efficacy of antifibrinolytic therapy in neonatal cardiac surgery. <i>PLoS ONE</i> , <b>2015</b> , 10, e0126514	5.14	8
71	Minimal incision congenital cardiac surgery. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2007</b> , 19, 319-24	1.7	8
70	Patient-specific in vivo right ventricle material parameter estimation for patients with tetralogy of Fallot using MRI-based models with different zero-load diastole and systole morphologies. <i>International Journal of Cardiology</i> , <b>2019</b> , 276, 93-99	3.2	8
69	Modified Ozaki Procedure Including Annular Enlargement for Small Aortic Annuli in Young Patients. <i>Annals of Thoracic Surgery</i> , <b>2020</b> , 110, 1364-1371	2.7	7
68	Repair of posterior mitral valve prolapse with a novel leaflet plication clip in an animal model. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2014</b> , 147, 783-90; discussion 790-1	1.5	7
67	Distention of the Immature Left Ventricle Triggers Development of Endocardial Fibroelastosis: An Animal Model of Endocardial Fibroelastosis Introducing Morphopathological Features of Evolving Fetal Hypoplastic Left Heart Syndrome. <i>BioMed Research International</i> , <b>2015</b> , 2015, 462469	3	7
66	Rates of Interventions in Isolated Coarctation Repair in Neonates Versus Infants: Does Age Matter?. <i>Annals of Thoracic Surgery</i> , <b>2019</b> , 107, 180-186	2.7	7
65	Flow disturbances and progression of endocardial fibroelastosis - a case report. <i>Cardiovascular Pathology</i> , <b>2019</b> , 42, 1-3	3.8	6
64	Neonatal Mitral Valve Repair in Biventricular Repair, Single Ventricle Palliation, and Secondary Left Ventricular Recruitment: Indications, Techniques, and Mid-Term Outcomes. <i>Frontiers in Surgery</i> , <b>2015</b> , 2, 59	2.3	6
63	Right ventricular local longitudinal curvature as a marker and predictor for pulmonary valve replacement surgery outcome: an initial study based on preoperative and postoperative cardiac magnetic resonance data from patients with repaired tetralogy of Fallot. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2014</b> , 147, 537-8	1.5	6
62	Restriction of Atrial Septal Defect Leads to Growth of Hypoplastic Ventricle in Patients with Borderline Right or Left Heart. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2021</b> ,	1.7	6
61	Long-term outcomes of truncus arteriosus repair: A modulated renewal competing risks analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2021</b> ,	1.5	6
60	50th Anniversary Landmark Commentary on Rein JG, Freed MD, Norwood WI, Castaneda AR. Early and Late Results of Closure of Ventricular Septal Defect in Infancy. <i>Ann Thorac Surg</i> 1977;24:19-27. <i>Annals of Thoracic Surgery</i> , <b>2015</b> , 100, 6	2.7	5
59	Fast image-based mitral valve simulation from individualized geometry. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , <b>2018</b> , 14, e1880	2.9	5
58	Technical Performance Score: Predictor of Outcomes in Complete Atrioventricular Septal Defect Repair. <i>Annals of Thoracic Surgery</i> , <b>2017</b> , 104, 1371-1377	2.7	5

57	Ventricle stress/strain comparisons between Tetralogy of Fallot patients and healthy using models with different zero-load diastole and systole morphologies. <i>PLoS ONE</i> , <b>2019</b> , 14, e0220328	3.7	4
56	Surgical repair of congenital aortic regurgitation by aortic root reduction: A finite element study. <i>Journal of Biomechanics</i> , <b>2015</b> , 48, 3883-9	2.9	4
55	Giant aneurysm of the atrial appendages in infants. <i>Annals of Pediatric Cardiology</i> , <b>2014</b> , 7, 130-4	0.8	4
54	Technical Performance Score: A Predictor of Outcomes After the Norwood Procedure. <i>Annals of Thoracic Surgery</i> , <b>2021</b> , 112, 1290-1297	2.7	4
53	Super Glenn for staged biventricular repair: impact on left ventricular growth?. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2021</b> , 60, 534-541	3	4
52	Biventricular conversion after Fontan completion: A preliminary experience. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2021</b> ,	1.5	4
51	An intraoperative test device for aortic valve repair. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2019</b> , 157, 126-132	1.5	4
50	Do patients with anomalous origin of the left coronary artery benefit from an early repair of the mitral valve?. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2020</b> , 57, 72-77	3	4
49	Surgical Innovation: Lessons From the Pragmatic Philosophical School. <i>Annals of Thoracic Surgery</i> , <b>2015</b> , 100, 778-83	2.7	3
48	Examination of pathologic features of the right atrioventricular groove in hearts with Ebstein anomaly and correlation with arrhythmias. <i>Heart Rhythm</i> , <b>2020</b> , 17, 1092-1098	6.7	3
47	Cardioscopically Guided Beating Heart Surgery: Paravalvular Leak Repair. <i>Annals of Thoracic Surgery</i> , <b>2017</b> , 104, 1074-1079	2.7	3
46	REAL-TIME BLOCK FLOW TRACKING OF ATRIAL SEPTAL DEFECT MOTION IN 4D CARDIAC ULTRASOUND <b>2007</b> ,		3
45	Synchronization of a Soft Robotic Ventricular Assist Device to the Native Cardiac Rhythm Using an Epicardial Electrogram. <i>Journal of Medical Devices, Transactions of the ASME</i> , <b>2020</b> , 14,	1.3	3
44	Valve reconstruction for congenital mitral valve disease. <i>Multimedia Manual of Cardiothoracic Surgery: MMCTS / European Association for Cardio-Thoracic Surgery</i> , <b>2015</b> , 2015,	0.2	3
43	Preoperative Factors That Predict Recurrence After Repair of Discrete Subaortic Stenosis. <i>Annals of Thoracic Surgery</i> , <b>2021</b> , 111, 1613-1619	2.7	3
42	Augmentation of Bridging Leaflets in Repair of Atrioventricular Canal Defects. <i>Annals of Thoracic Surgery</i> , <b>2017</b> , 104, e101-e103	2.7	2
41	Technological innovation in cardiothoracic surgery: A pragmatist@ approach. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2015</b> , 150, 755-61	1.5	2
40	Patient-Specific Virtual Surgery for Right Ventricle Volume Reduction and Patch Design Using MRI-Based 3D FSI RV/LV/Patch Models <b>2007</b> ,		2



39	Development of a Noninvasive Marker of Wall Shear Stress Effects in Discrete Subaortic Stenosis. <i>Cardiovascular Engineering (Dordrecht, Netherlands)</i> , <b>2001</b> , 1, 137-146		2
38	Acute and Short-Term Outcomes of Percutaneous Transcatheter Mitral Valve Replacement in Children. <i>Circulation: Cardiovascular Interventions</i> , <b>2021</b> , 14, e009996	6	2
37	A Tribute to Ajit Yoganathan@ Cardiovascular Fluid Mechanics Lab: A Survey of Its Contributions to Our Understanding of the Physiology and Management of Single-Ventricle Patients. <i>Cardiovascular Engineering and Technology</i> , <b>2021</b> , 1	2.2	2
36	The Association of Age and Repair Modification with Outcome after Cone Repair for Ebstein@ Malformation. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2021</b> ,	1.7	2
35	Management of Congenitally Corrected Transposition of the Great Arteries With Intact Ventricular Septum: Anatomic Repair or Palliative Treatment?. <i>Circulation: Cardiovascular Interventions</i> , <b>2021</b> , 14, e010154	6	2
34	Experience and Outcomes of Surgically Implanted Melody Valve in the Pulmonary Position. <i>Annals of Thoracic Surgery</i> , <b>2021</b> , 111, 966-972	2.7	2
33	Abnormal Flow Conditions Promote Endocardial Fibroelastosis Via Endothelial-to-Mesenchymal Transition, Which Is Responsive to Losartan Treatment.. <i>JACC Basic To Translational Science</i> , <b>2021</b> , 6, 984-999	8.7	2
32	Atrioventricular Valve Function Predicts Reintervention in Complete Atrioventricular Septal Defect. <i>World Journal for Pediatric &amp; Congenital Heart Surgery</i> , <b>2020</b> , 11, 247-248	1.1	1
31	Dehiscence of patch augmentation of a left-sided atrioventricular valve related to strenuous isometric exercise: Case report and failure analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2018</b> , 156, e165-e168	1.5	1
30	A novel wall water system for cardiopulmonary bypass may reduce the risk of aerosolized infection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2018</b> , 156, 318-324	1.5	1
29	Invited Commentary. <i>Annals of Thoracic Surgery</i> , <b>2016</b> , 101, 2241-2	2.7	1
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20	Human endothelial colony-forming cells provide trophic support for pluripotent stem cell-derived cardiomyocytes via distinctively high expression of neuregulin-1. <i>Angiogenesis</i> , <b>2021</b> , 24, 327-344	10.6	1
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