

# Pedro J Del Nido

## List of Publications by Year in descending order

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Version: 2024-02-01

177  
papers

4,983  
citations

81743

39  
h-index

123241

61  
g-index

180  
all docs

180  
docs citations

180  
times ranked

4237  
citing authors

#	ARTICLE	IF	CITATIONS
1	Autologous mitochondrial transplantation for dysfunction after ischemia-reperfusion injury. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 154, 286-289.	0.4	211
2	Fetal Aortic Valvuloplasty for Evolving Hypoplastic Left Heart Syndrome. <i>Circulation</i> , 2014, 130, 638-645.	1.6	172
3	Myocardial rescue with autologous mitochondrial transplantation in a porcine model of ischemia/reperfusion. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 153, 934-943.	0.4	146
4	Concentric Tube Robot Design and Optimization Based on Task and Anatomical Constraints. <i>IEEE Transactions on Robotics</i> , 2015, 31, 67-84.	7.3	142
5	Staged Left Ventricular Recruitment After Single-Ventricle Palliation in Patients With Borderline Left Heart Hypoplasia. <i>Journal of the American College of Cardiology</i> , 2012, 60, 1966-1974.	1.2	134
6	Mitochondrial transplantation for therapeutic use. <i>Clinical and Translational Medicine</i> , 2016, 5, 16.	1.7	134
7	Accelerated Degeneration of a Bovine Pericardial Bioprosthetic Aortic Valve in Children and Young Adults. <i>Circulation</i> , 2014, 130, 51-60.	1.6	131
8	Actin-dependent mitochondrial internalization in cardiomyocytes: evidence for rescue of mitochondrial function. <i>Biology Open</i> , 2015, 4, 622-626.	0.6	125
9	Mitochondrial transplantation: From animal models to clinical use in humans. <i>Mitochondrion</i> , 2017, 34, 127-134.	1.6	124
10	Management of Systemic Right Ventricular Failure in Patients With Congenitally Corrected Transposition of the Great Arteries. <i>Circulation</i> , 2016, 134, 1293-1302.	1.6	102
11	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> , 2014, 148, 2216-2225.e1.	0.4	101
12	Endocardial Fibroelastosis Is Caused by Aberrant Endothelial to Mesenchymal Transition. <i>Circulation Research</i> , 2015, 116, 857-866.	2.0	98
13	Transit and integration of extracellular mitochondria in human heart cells. <i>Scientific Reports</i> , 2017, 7, 17450.	1.6	98
14	Primary left ventricular rehabilitation is effective in maintaining two-ventricle physiology in the borderline left heart. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009, 138, 1276-1282.	0.4	91
15	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> , 2012, 143, 352-360.	0.4	79
16	Force tracking with feed-forward motion estimation for beating heart surgery. <i>IEEE Transactions on Robotics</i> , 2010, 26, 888-896.	7.3	70
17	Mitochondrial transplantation prolongs cold ischemia time in murine heart transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2019, 38, 92-99.	0.3	70
18	Alloreactivity and allrecognition of syngeneic and allogeneic mitochondria. <i>Mitochondrion</i> , 2019, 46, 103-115.	1.6	68

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19	Mitochondrial transplantation enhances murine lung viability and recovery after ischemia-reperfusion injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L78-L88.	1.3	66
20	Autologous mitochondrial transplantation for cardiogenic shock in pediatric patients following ischemia-reperfusion injury. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 162, 992-1001.	0.4	63
21	Mitochondrial Transplantation in Myocardial Ischemia and Reperfusion Injury. <i>Advances in Experimental Medicine and Biology</i> , 2017, 982, 595-619.	0.8	61
22	A Novel Biological Strategy for Myocardial Protection by Intracoronary Delivery of Mitochondria: Safety and Efficacy. <i>JACC Basic To Translational Science</i> , 2019, 4, 871-888.	1.9	61
23	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> , 2014, 147, 389-396.e3.	0.4	60
24	Outcome and performance of bioprosthetic pulmonary valve replacement in patients with congenital heart disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 152, 1333-1342.e3.	0.4	60
25	Fluorescence measurement of calcium transients in perfused rabbit heart using rhod 2. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1998, 274, H728-H741.	1.5	59
26	Congenital aortic and truncal valve reconstruction using the Ozaki technique: Short-term clinical results. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 161, 1567-1577.	0.4	57
27	Impact of pacing on systemic ventricular function in L-transposition of the great arteries. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 151, 131-139.	0.4	54
28	Mitochondrial transplantation ameliorates acute limb ischemia. <i>Journal of Vascular Surgery</i> , 2020, 71, 1014-1026.	0.6	54
29	Preischemic autologous mitochondrial transplantation by intracoronary injection for myocardial protection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 160, e15-e29.	0.4	53
30	Delayed Transplantation of Autologous Mitochondria for Cardioprotection in a Porcine Model. <i>Annals of Thoracic Surgery</i> , 2020, 109, 711-719.	0.7	52
31	Mitochondrial transplantation for myocardial protection in diabetic hearts. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 57, 836-845.	0.6	51
32	Acute kidney injury after Fontan completion: Risk factors and outcomes. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015, 150, 190-197.	0.4	50
33	Mechanisms of tricuspid regurgitation in patients with hypoplastic left heart syndrome undergoing tricuspid valvuloplasty. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 832-840.	0.4	47
34	Soft robotic ventricular assist device with septal bracing for therapy of heart failure. <i>Science Robotics</i> , 2017, 2, .	9.9	46
35	Valve-sparing repair with intraoperative balloon dilation in tetralogy of Fallot: Midterm results and therapeutic implications. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 1163-1173.e4.	0.4	46
36	Mitochondrial transplantation by intra-arterial injection for acute kidney injury. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 319, F403-F413.	1.3	46

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37	Ischemic dysfunction in transgenic mice expressing troponin I lacking protein kinase C phosphorylation sites. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2001, 280, H835-H843.	1.5	45
38	Optimal surgical approach for repair of aortopulmonary window. <i>Cardiology in the Young</i> , 2001, 11, 385-390.	0.4	42
39	Biventricular Conversion After Single Ventricle Palliation in Patients With Small Left Heart Structures: Short-Term Outcomes. <i>Annals of Thoracic Surgery</i> , 2013, 96, 1406-1412.	0.7	42
40	Surgical Management of Right Ventricular Dysfunction Late After Repair of Tetralogy of Fallot: Right Ventricular Remodeling Surgery. <i>Pediatric Cardiac Surgery Annual</i> , 2006, 9, 29-34.	0.5	41
41	Late left ventricular dysfunction after anatomic repair of congenitally corrected transposition of the great arteries. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 254-258.	0.4	38
42	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> , 2014, 75, 141-151.	0.9	35
43	A geometrically adaptable heart valve replacement. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	35
44	A light-reflecting balloon catheter for atraumatic tissue defect repair. <i>Science Translational Medicine</i> , 2015, 7, 306ra149.	5.8	34
45	Initial experience introducing an enhanced recovery program in congenital cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 160, 1313-1321.e5.	0.4	34
46	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> , 2012, 5, 13.	0.2	33
47	Concept of an expandable cardiac valve for surgical implantation in infants and children. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 152, 1514-1523.	0.4	33
48	Hemodynamic parameters predict adverse outcomes following biventricular conversion with single-ventricle palliation takedown. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 154, 572-582.	0.4	33
49	Mitochondrial transplantation for myocardial protection in ex-situ perfused hearts donated after circulatory death. <i>Journal of Heart and Lung Transplantation</i> , 2020, 39, 1279-1288.	0.3	30
50	Autogenous mitochondria transplantation for treatment of right heart failure. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 162, e111-e121.	0.4	30
51	Long-term outcomes and risk factors for aortic regurgitation after discrete subvalvular aortic stenosis resection in children. <i>Heart</i> , 2015, 101, 1547-1553.	1.2	29
52	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> , 2017, 52, 565-572.	0.6	29
53	An Active Motion Compensation Instrument for Beating Heart Mitral Valve Surgery. , 2007, , .		28
54	Congenital Mitral Valve Stenosis: Anatomic Variants and Surgical Reconstruction. <i>Pediatric Cardiac Surgery Annual</i> , 2012, 15, 69-74.	0.5	28

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55	Technical Performance Score as Predictor for Post-discharge Reintervention in Valve-Sparing Tetralogy of Fallot Repair. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2014, 26, 297-303.	0.4	28
56	An Intracardiac Soft Robotic Device for Augmentation of Blood Ejection from the Failing Right Ventricle. <i>Annals of Biomedical Engineering</i> , 2017, 45, 2222-2233.	1.3	28
57	A growth-accommodating implant for paediatric applications. <i>Nature Biomedical Engineering</i> , 2017, 1, 818-825.	11.6	28
58	Improved Protection of the Hypertrophied Left Ventricle by Histidine-Containing Cardioplegia. <i>Circulation</i> , 1995, 92, 395-399.	1.6	28
59	Tissue removal inside the beating heart using a robotically delivered metal MEMS tool. <i>International Journal of Robotics Research</i> , 2015, 34, 236-247.	5.8	27
60	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> , 2016, 151, 687-694.e3.	0.4	27
61	Anomalous Aortic Origin of Coronary Arteries: A Single-Center Experience. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2016, 28, 791-800.	0.4	26
62	Outcomes following thoracotomy or thoracoscopic vascular ring division in children and young adults. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 154, 607-615.	0.4	26
63	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> , 2018, 20, 37.	1.6	26
64	Flow disturbances and the development of endocardial fibroelastosis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 637-646.	0.4	26
65	Staged ventricular recruitment in patients with borderline ventricles and large ventricular septal defects. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 156, 254-264.	0.4	25
66	Right ventricular outflow tract reintervention after primary tetralogy of Fallot repair in neonates and young infants. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 726-734.	0.4	24
67	Bilateral Erector Spinae Blocks Decrease Perioperative Opioid Use After Pediatric Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021, 35, 2082-2087.	0.6	24
68	Mitochondrial transplantation for organ rescue. <i>Mitochondrion</i> , 2022, 64, 27-33.	1.6	24
69	Automated detection of coarctation of aorta in neonates from two-dimensional echocardiograms. <i>Journal of Medical Imaging</i> , 2017, 4, 014502.	0.8	23
70	Repair of double outlet right ventricle: Midterm outcomes. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 254-264.	0.4	23
71	Fontan with lateral tunnel is associated with improved survival compared with extracardiac conduit. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 1480-1491.e2.	0.4	23
72	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> , 2016, 11, e0162986.	1.1	23

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73	Predictors of Postoperative Rehabilitation Therapy Following Congenital Heart Surgery. <i>Journal of the American Heart Association</i> , 2018, 7, .	1.6	21
74	Long-term Surgical Prognosis of Primary Supravalvular Aortic Stenosis Repair. <i>Annals of Thoracic Surgery</i> , 2019, 108, 1202-1209.	0.7	21
75	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> , 2020, 36, 113-122.	0.2	21
76	Long-term outcomes of truncus arteriosus repair: A modulated renewal competing risks analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 163, 224-236.e6.	0.4	21
77	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> , 2014, 147, 576-580.	0.4	20
78	Fast block flow tracking of atrial septal defects in 4D echocardiography. <i>Medical Image Analysis</i> , 2008, 12, 397-412.	7.0	19
79	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> , 2013, 29, 197-216.	1.0	19
80	Review of Congenital Mitral Valve Stenosis: Analysis, Repair Techniques and Outcomes. <i>Cardiovascular Engineering and Technology</i> , 2015, 6, 167-173.	0.7	19
81	Vascular Endothelial Growth Factor Prevents Endothelial-to-Mesenchymal Transition in Hypertrophy. <i>Annals of Thoracic Surgery</i> , 2017, 104, 932-939.	0.7	19
82	Repair of Tetralogy of Fallot in Neonates and Young Infants. <i>Circulation</i> , 1999, 100, .	1.6	19
83	Technical Performance Score Predicts Partial/Transitional Atrioventricular Septal Defect Outcomes. <i>Annals of Thoracic Surgery</i> , 2018, 105, 1461-1468.	0.7	18
84	Cardioprotection afforded by ischemic preconditioning interferes with chronic beta-blocker treatment. <i>Scandinavian Cardiovascular Journal</i> , 2004, 38, 293-299.	0.4	17
85	Minimal Incision Congenital Cardiac Surgery. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2007, 19, 319-324.	0.4	17
86	Technical Performance Score: Predictor of Outcomes in Complete Atrioventricular Septal Defect Repair. <i>Annals of Thoracic Surgery</i> , 2017, 104, 1371-1377.	0.7	17
87	Targeted Increase in Pulmonary Blood Flow in a Bidirectional Glenn Circulation. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2018, 30, 182-188.	0.4	17
88	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> , 2017, 153, 389-396.	0.4	16
89	The Safety and Efficacy of Antifibrinolytic Therapy in Neonatal Cardiac Surgery. <i>PLoS ONE</i> , 2015, 10, e0126514.	1.1	15
90	The American Association for Thoracic Surgery Consensus Guidelines: Reasons and purpose. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 151, 935-939.e1.	0.4	15

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91	Rates of Interventions in Isolated Coarctation Repair in Neonates Versus Infants: Does Age Matter?. Annals of Thoracic Surgery, 2019, 107, 180-186.	0.7	15
92	Modified Ozaki Procedure Including Annular Enlargement for Small Aortic Annuli in Young Patients. Annals of Thoracic Surgery, 2020, 110, 1364-1371.	0.7	15
93	Intraoperative Echocardiography for Congenital Aortic Valve Repair: Predictors of Early Reoperation. Annals of Thoracic Surgery, 2015, 100, 678-685.	0.7	14
94	Technical Performance Score: A Predictor of Outcomes After the Norwood Procedure. Annals of Thoracic Surgery, 2021, 112, 1290-1297.	0.7	14
95	Dynamic Augmentation of Left Ventricle and Mitral Valve Function With an Implantable Soft Robotic Device. JACC Basic To Translational Science, 2020, 5, 229-242.	1.9	14
96	Biventricular conversion after Fontan completion: A preliminary experience. Journal of Thoracic and Cardiovascular Surgery, 2022, 163, 1211-1223.	0.4	14
97	Comparison of Intraoperative and Discharge Residual Lesion Severity in Congenital Heart Surgery. Annals of Thoracic Surgery, 2022, 114, 1731-1737.	0.7	14
98	Interdigitating Myocardial Tongues in Pediatric Cardiac Fibromas. JACC: Clinical Electrophysiology, 2019, 5, 563-575.	1.3	13
99	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. BioMed Research International, 2015, 2015, 1-10.	0.9	12
100	Factors associated with severe aortic dilation in patients with Fontan palliation. Heart, 2017, 103, 280-286.	1.2	12
101	Mechanical Properties of Autologous Pericardium Change With Fixation Time: Implications for Valve Reconstruction. Seminars in Thoracic and Cardiovascular Surgery, 2019, 31, 852-854.	0.4	12
102	Letter by McCully et al Regarding Article, "Mitochondria Do Not Survive Calcium Overload". Circulation Research, 2020, 126, e56-e57.	2.0	12
103	Straightening of curved pattern of collagen fibers under load controls aortic valve shape. Journal of Biomechanics, 2014, 47, 341-346.	0.9	11
104	Neonatal Mitral Valve Repair in Biventricular Repair, Single Ventricle Palliation, and Secondary Left Ventricular Recruitment: Indications, Techniques, and Mid-Term Outcomes. Frontiers in Surgery, 2015, 2, 59.	0.6	11
105	Flow disturbances and progression of endocardial fibroelastosis – a case report. Cardiovascular Pathology, 2019, 42, 1-3.	0.7	11
106	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. International Journal of Cardiology, 2019, 276, 93-99.	0.8	11
107	Super Glenn for staged biventricular repair: impact on left ventricular growth?. European Journal of Cardio-thoracic Surgery, 2021, 60, 534-541.	0.6	11
108	Management of Congenitally Corrected Transposition of the Great Arteries With Intact Ventricular Septum: Anatomic Repair or Palliative Treatment?. Circulation: Cardiovascular Interventions, 2021, 14, e010154.	1.4	11

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109	Human endothelial colony-forming cells provide trophic support for pluripotent stem cell-derived cardiomyocytes via distinctively high expression of neuregulin-1. <i>Angiogenesis</i> , 2021, 24, 327-344.	3.7	10
110	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> , 2014, 147, 537-538.	0.4	9
111	An intraoperative test device for aortic valve repair. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 126-132.	0.4	9
112	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> , 2020, 57, 72-77.	0.6	9
113	Examination of pathologic features of the right atrioventricular groove in hearts with Ebstein anomaly and correlation with arrhythmias. <i>Heart Rhythm</i> , 2020, 17, 1092-1098.	0.3	9
114	Preoperative Factors That Predict Recurrence After Repair of Discrete Subaortic Stenosis. <i>Annals of Thoracic Surgery</i> , 2021, 111, 1613-1619.	0.7	9
115	Technical Performance Score's Association With Arterial Switch Operation Outcomes. <i>Annals of Thoracic Surgery</i> , 2021, 111, 1367-1373.	0.7	9
116	Direct Cardiac Compression Devices to Augment Heart Biomechanics and Function. <i>Annual Review of Biomedical Engineering</i> , 2022, 24, 137-156.	5.7	9
117	Giant aneurysm of the atrial appendages in infants. <i>Annals of Pediatric Cardiology</i> , 2014, 7, 130.	0.2	8
118	Repair of posterior mitral valve prolapse with a novel leaflet plication clip in an animal model. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 147, 783-791.	0.4	8
119	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> , 2022, 34, 215-223.	0.4	8
120	Single-Leaflet Aortic Valve Reconstruction Utilizing the Ozaki Technique in Patients With Congenital Aortic Valve Disease. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2022, 34, 1262-1272.	0.4	8
121	Abnormal Flow Conditions Promote Endocardial Fibroelastosis Via Endothelial-to-Mesenchymal Transition, Which Is Responsive to Losartan Treatment. <i>JACC Basic To Translational Science</i> , 2021, 6, 984-999.	1.9	8
122	Fast image-based mitral valve simulation from individualized geometry. <i>International Journal of Medical Robotics and Computer Assisted Surgery</i> , 2018, 14, e1880.	1.2	7
123	Atrioventricular Valve Function Predicts Reintervention in Complete Atrioventricular Septal Defect. <i>World Journal for Pediatric &amp; Congenital Heart Surgery</i> , 2020, 11, 247-248.	0.3	7
124	The Association of Age and Repair Modification with Outcome after Cone Repair for Ebstein's Malformation. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2022, 34, 205-212.	0.4	7
125	Intraoperative conduction mapping in complex congenital heart surgery. <i>JTCVS Techniques</i> , 2022, 12, 159-163.	0.2	7
126	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> , 2015, 100, 6.	0.7	6

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127	Minimally Invasive Cardiac Surgical Procedures in Children. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2020, 15, 95-98.	0.4	6
128	Synchronization of a Soft Robotic Ventricular Assist Device to the Native Cardiac Rhythm Using an Epicardial Electrogram. Journal of Medical Devices, Transactions of the ASME, 2020, 14, .	0.4	6
129	Technological innovation in cardiothoracic surgery: A pragmatist's approach. Journal of Thoracic and Cardiovascular Surgery, 2015, 150, 755-761.	0.4	5
130	Cardioscopically Guided Beating Heart Surgery: Paravalvular Leak Repair. Annals of Thoracic Surgery, 2017, 104, 1074-1079.	0.7	5
131	Risk Factors for Left Ventricular Dysfunction Following Surgical Management of Cardiac Fibroma. Circulation: Cardiovascular Imaging, 2021, 14, e011748.	1.3	5
132	Aortic Valve Surgery After Neonatal Balloon Aortic Valvuloplasty in Congenital Aortic Stenosis. Circulation: Cardiovascular Interventions, 2021, 14, e009933.	1.4	5
133	Valve reconstruction for congenital mitral valve disease. Multimedia Manual of Cardiothoracic Surgery: MMCTS / European Association for Cardio-Thoracic Surgery, 2015, 2015, mmv007-mmv007.	0.5	5
134	Enhancing Recovery in Congenital Cardiac Surgery. Annals of Thoracic Surgery, 2022, 114, 1754-1761.	0.7	5
135	Tricuspid valve repair concomitant with the Norwood operation among babies with hypoplastic left heart syndrome. European Journal of Cardio-thoracic Surgery, 2022, , .	0.6	5
136	Surgical repair of congenital aortic regurgitation by aortic root reduction: A finite element study. Journal of Biomechanics, 2015, 48, 3883-3889.	0.9	4
137	Surgical Innovation: Lessons From the Pragmatic Philosophical School. Annals of Thoracic Surgery, 2015, 100, 778-783.	0.7	4
138	Augmentation of Bridging Leaflets in Repair of Atrioventricular Canal Defects. Annals of Thoracic Surgery, 2017, 104, e101-e103.	0.7	4
139	A novel wall water system for cardiopulmonary bypass may reduce the risk of aerosolized infection. Journal of Thoracic and Cardiovascular Surgery, 2018, 156, 318-324.	0.4	4
140	Ventricle stress/strain comparisons between Tetralogy of Fallot patients and healthy using models with different zero-load diastole and systole morphologies. PLoS ONE, 2019, 14, e0220328.	1.1	4
141	Experience and Outcomes of Surgically Implanted Melody Valve in the Pulmonary Position. Annals of Thoracic Surgery, 2021, 111, 966-972.	0.7	4
142	A Novel Pulmonary Valve Replacement Surgery Strategy Using Contracting Band for Patients With Repaired Tetralogy of Fallot: An MRI-Based Multipatient Modeling Study. Frontiers in Bioengineering and Biotechnology, 2021, 9, 638934.	2.0	4
143	Preliminary Results With a Novel Expanded Polytetrafluoroethylene-based Pulmonary Valved Conduit. Annals of Thoracic Surgery, 2022, 114, 2314-2321.	0.7	4
144	Development of a Noninvasive Marker of Wall Shear Stress Effects in Discrete Subaortic Stenosis. Cardiovascular Engineering (Dordrecht, Netherlands), 2001, 1, 137-146.	1.0	3

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145	REAL-TIME BLOCK FLOW TRACKING OF ATRIAL SEPTAL DEFECT MOTION IN 4D CARDIAC ULTRASOUND. , 2007, , .		3
146	Patient-Specific Virtual Surgery for Right Ventricle Volume Reduction and Patch Design Using MRI-Based 3D FSI RV/LV/Patch Models. , 2007, , .		3
147	Multi-Band Surgery for Repaired Tetralogy of Fallot Patients With Reduced Right Ventricle Ejection Fraction: A Pilot Study. <i>Frontiers in Physiology</i> , 2020, 11, 198.	1.3	3
148	Acute and Short-Term Outcomes of Percutaneous Transcatheter Mitral Valve Replacement in Children. <i>Circulation: Cardiovascular Interventions</i> , 2021, 14, e009996.	1.4	3
149	Major Aortopulmonary Collateral Arteries Requiring Percutaneous Intervention Following the Arterial Switch Operation: A Case Series and Systematic Review. <i>World Journal for Pediatric &amp; Congenital Heart Surgery</i> , 2022, 13, 146-154.	0.3	3
150	MRI-Based Patient-Specific Computational Modeling of Right Ventricular Response to Pulmonary Valve Insertion Surgery: A Passive Anisotropic FSI Model with Fiber Orientation. , 2008, , .		2
151	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> , 2018, 156, e165-e168.	0.4	2
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