

# Yiping Joseph Woo

## List of Publications by Citations

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179  
papers

3,808  
citations

29  
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208  
ext. papers

5,164  
ext. citations

5.6  
avg, IF

5.54  
L-index

#	Paper	IF	Citations
179	Risk score derived from pre-operative data analysis predicts the need for biventricular mechanical circulatory support. <i>Journal of Heart and Lung Transplantation</i> , <b>2008</b> , 27, 1286-92	5.8	308
178	Mechanical or Biologic Prostheses for Aortic-Valve and Mitral-Valve Replacement. <i>New England Journal of Medicine</i> , <b>2017</b> , 377, 1847-1857	59.2	269
177	Early planned institution of biventricular mechanical circulatory support results in improved outcomes compared with delayed conversion of a left ventricular assist device to a biventricular assist device. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2009</b> , 137, 971-7	1.5	239
176	Shear-Thinning Supramolecular Hydrogels with Secondary Autonomous Covalent Crosslinking to Modulate Viscoelastic Properties. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 636-644	15.6	214
175	Atheroprotective roles of smooth muscle cell phenotypic modulation and the TCF21 disease gene as revealed by single-cell analysis. <i>Nature Medicine</i> , <b>2019</b> , 25, 1280-1289	50.5	198
174	Predicting right ventricular failure in the modern, continuous flow left ventricular assist device era. <i>Annals of Thoracic Surgery</i> , <b>2013</b> , 96, 857-63; discussion 863-4	2.7	154
173	A Unique Collateral Artery Development Program Promotes Neonatal Heart Regeneration. <i>Cell</i> , <b>2019</b> , 176, 1128-1142.e18	56.2	101
172	Paracrine Effects of the Pluripotent Stem Cell-Derived Cardiac Myocytes Salvage the Injured Myocardium. <i>Circulation Research</i> , <b>2017</b> , 121, e22-e36	15.7	90
171	Sustained release of engineered stromal cell-derived factor 1 from injectable hydrogels effectively recruits endothelial progenitor cells and preserves ventricular function after myocardial infarction. <i>Circulation</i> , <b>2013</b> , 128, S79-86	16.7	82
170	Use of a supramolecular polymeric hydrogel as an effective post-operative pericardial adhesion barrier. <i>Nature Biomedical Engineering</i> , <b>2019</b> , 3, 611-620	19	81
169	TRANSFORM (Multicenter Experience With Rapid Deployment Edwards INTUITY Valve System for Aortic Valve Replacement) US clinical trial: Performance of a rapid deployment aortic valve. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2017</b> , 153, 241-251.e2	1.5	81
168	Combined heart and liver transplantation can be safely performed with excellent short- and long-term results. <i>Annals of Thoracic Surgery</i> , <b>2014</b> , 98, 858-62	2.7	61
167	Natural history of coexistent tricuspid regurgitation in patients with degenerative mitral valve disease: implications for future guidelines. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2014</b> , 148, 2802-9	1.5	60
166	Stem cell-based therapies to promote angiogenesis in ischemic cardiovascular disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , <b>2016</b> , 310, H455-65	5.2	59
165	Intramyocardial Injection of Mesenchymal Precursor Cells and Successful Temporary Weaning From Left Ventricular Assist Device Support in Patients With Advanced Heart Failure: A Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , <b>2019</b> , 321, 1176-1186	27.4	57
164	Alternative Progenitor Cells Compensate to Rebuild the Coronary Vasculature in <i>Elavl</i> - and <i>Apj</i> -Deficient Hearts. <i>Developmental Cell</i> , <b>2017</b> , 42, 655-666.e3	10.2	53
163	An innovative biologic system for photon-powered myocardium in the ischemic heart. <i>Science Advances</i> , <b>2017</b> , 3, e1603078	14.3	50

162	Pneumonia after cardiac surgery: Experience of the National Institutes of Health/Canadian Institutes of Health Research Cardiothoracic Surgical Trials Network. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2017</b> , 153, 1384-1391.e3	1.5	45
161	Preoperative Three-Dimensional Valve Analysis Predicts Recurrent Ischemic Mitral Regurgitation After Mitral Annuloplasty. <i>Annals of Thoracic Surgery</i> , <b>2016</b> , 101, 567-75; discussion 575	2.7	42
160	Regulating Stem Cell Secretome Using Injectable Hydrogels with In Situ Network Formation. <i>Advanced Healthcare Materials</i> , <b>2016</b> , 5, 2758-2764	10.1	41
159	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
158	A bioengineered hydrogel system enables targeted and sustained intramyocardial delivery of neuregulin, activating the cardiomyocyte cell cycle and enhancing ventricular function in a murine model of ischemic cardiomyopathy. <i>Circulation: Heart Failure</i> , <b>2014</b> , 7, 619-26	7.6	40
157	Regional annular geometry in patients with mitral regurgitation: implications for annuloplasty ring selection. <i>Annals of Thoracic Surgery</i> , <b>2014</b> , 97, 64-70	2.7	39
156	Computational protein design to reengineer stromal cell-derived factor-1 generates an effective and translatable angiogenic polypeptide analog. <i>Circulation</i> , <b>2011</b> , 124, S18-26	16.7	39
155	A "Repair-All" Strategy for Degenerative Mitral Valve Disease Safely Minimizes Unnecessary Replacement. <i>Annals of Thoracic Surgery</i> , <b>2015</b> , 99, 1983-90; discussion 1990-1	2.7	38
154	Tissue-engineered, hydrogel-based endothelial progenitor cell therapy robustly revascularizes ischemic myocardium and preserves ventricular function. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2014</b> , 148, 1090-7; discussion 1097-8	1.5	36
153	Preclinical evaluation of the engineered stem cell chemokine stromal cell-derived factor 1 analog in a translational ovine myocardial infarction model. <i>Circulation Research</i> , <b>2014</b> , 114, 650-9	15.7	35
152	Angiogenesis precedes cardiomyocyte migration in regenerating mammalian hearts. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2018</b> , 155, 1118-1127.e1	1.5	34
151	Second Arterial Versus Venous Conduits for Multivessel Coronary Artery Bypass Surgery in California. <i>Circulation</i> , <b>2018</b> , 137, 1698-1707	16.7	30
150	A Biocompatible Therapeutic Catheter-Deliverable Hydrogel for In Situ Tissue Engineering. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1801147	10.1	28
149	Short-term outcomes of en bloc combined heart and liver transplantation in the failing Fontan. <i>Clinical Transplantation</i> , <b>2019</b> , 33, e13540	3.8	28
148	Obstructive Sleep Apnea Is an Independent Predictor of Postoperative Atrial Fibrillation in Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , <b>2015</b> , 29, 1140-7	2.1	28
147	Clinical trial in a dish using iPSCs shows lovastatin improves endothelial dysfunction and cellular cross-talk in LMNA cardiomyopathy. <i>Science Translational Medicine</i> , <b>2020</b> , 12,	17.5	28
146	Modeling conduit choice for valve-sparing aortic root replacement on biomechanics with a 3-dimensional-printed heart simulator. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2019</b> , 158, 392-403	1.5	27
145	Ex Vivo Biomechanical Study of Apical Versus Papillary Neochord Anchoring for Mitral Regurgitation. <i>Annals of Thoracic Surgery</i> , <b>2019</b> , 108, 90-97	2.7	26

144	Fractional Flow Reserve-Guided PCI as Compared with Coronary Bypass Surgery. <i>New England Journal of Medicine</i> , <b>2021</b> ,	59.2	26
143	Early surgical intervention or watchful waiting for the management of asymptomatic mitral regurgitation: a systematic review and meta-analysis. <i>Annals of Cardiothoracic Surgery</i> , <b>2015</b> , 4, 220-9	4.7	26
142	Immediate operation for acute type A aortic dissection complicated by visceral or peripheral malperfusion. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2018</b> , 156, 18-24.e3	1.5	25
141	Novel MRI Contrast Agent from Magnetotactic Bacteria Enables In Vivo Tracking of iPSC-derived Cardiomyocytes. <i>Scientific Reports</i> , <b>2016</b> , 6, 26960	4.9	25
140	Interfacility Transfer of Medicare Beneficiaries With Acute Type A Aortic Dissection and Regionalization of Care in the United States. <i>Circulation</i> , <b>2019</b> , 140, 1239-1250	16.7	25
139	Minimally invasive, robotic, and off-pump mitral valve surgery. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2006</b> , 18, 139-47	1.7	25
138	Minimally invasive surgical treatment of valvular heart disease. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2014</b> , 26, 36-43	1.7	24
137	Natural Heart Regeneration in a Neonatal Rat Myocardial Infarction Model. <i>Cells</i> , <b>2020</b> , 9,	7.9	22
136	Limited root repair in acute type A aortic dissection is safe but results in increased risk of reoperation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2018</b> , 155, 1-7.e1	1.5	22
135	Cardiac retransplantation is an efficacious therapy for primary cardiac allograft failure. <i>Journal of Cardiothoracic Surgery</i> , <b>2008</b> , 3, 26	1.6	22
134	Type A Aortic Dissection-Experience Over 5 Decades: JACC Historical Breakthroughs in Perspective. <i>Journal of the American College of Cardiology</i> , <b>2020</b> , 76, 1703-1713	15.1	22
133	Simplified nonresectional leaflet remodeling mitral valve repair for degenerative mitral regurgitation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2012</b> , 143, 749-53	1.5	21
132	Mitral chordae tendineae force profile characterization using a posterior ventricular anchoring neochordal repair model for mitral regurgitation in a three-dimensional-printed ex vivo left heart simulator. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2020</b> , 57, 535-544	3	20
131	Development and Ex Vivo Validation of Novel Force-Sensing Neochordae for Measuring Chordae Tendineae Tension in the Mitral Valve Apparatus Using Optical Fibers With Embedded Bragg Gratings. <i>Journal of Biomechanical Engineering</i> , <b>2020</b> , 142,	2.1	20
130	Rapid Self-Assembly of Bioengineered Cardiovascular Bypass Grafts From Scaffold-Stabilized, Tubular Bilevel Cell Sheets. <i>Circulation</i> , <b>2018</b> , 138, 2130-2144	16.7	20
129	A novel protein-engineered hepatocyte growth factor analog released via a shear-thinning injectable hydrogel enhances post-infarction ventricular function. <i>Biotechnology and Bioengineering</i> , <b>2017</b> , 114, 2379-2389	4.9	19
128	Posterior ventricular anchoring neochordal repair of degenerative mitral regurgitation efficiently remodels and repositions posterior leaflet prolapse. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2013</b> , 44, 485-9; discussion 489	3	19
127	Prior Sternotomy and Ventricular Assist Device Implantation Do Not Adversely Impact Survival or Allograft Function After Heart Transplantation. <i>Annals of Thoracic Surgery</i> , <b>2015</b> , 100, 542-9	2.7	19

126	Multi-phase catheter-injectable hydrogel enables dual-stage protein-engineered cytokine release to mitigate adverse left ventricular remodeling following myocardial infarction in a small animal model and a large animal model. <i>Cytokine</i> , <b>2020</b> , 127, 154974	4	18
125	Minimally invasive valve surgery. <i>Surgical Clinics of North America</i> , <b>2009</b> , 89, 923-49, x	4	18
124	A novel cross-species model of Barlow's disease to biomechanically analyze repair techniques in an ex vivo left heart simulator. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2021</b> , 161, 1776-1783	1.5	18
123	Tissue-engineered smooth muscle cell and endothelial progenitor cell bi-level cell sheets prevent progression of cardiac dysfunction, microvascular dysfunction, and interstitial fibrosis in a rodent model of type 1 diabetes-induced cardiomyopathy. <i>Cardiovascular Diabetology</i> , <b>2017</b> , 16, 142	8.7	17
122	Integrated Thoracic Surgery Residency: Current Status and Future Evolution. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2019</b> , 31, 345-349	1.7	16
121	Midterm Outcomes of Open Descending Thoracic Aortic Repair in More Than 5,000 Medicare Patients. <i>Annals of Thoracic Surgery</i> , <b>2015</b> , 100, 2087-94; discussion 2094	2.7	15
120	Quadrupling the N95 Supply during the COVID-19 Crisis with an Innovative 3D-Printed Mask Adaptor. <i>Healthcare (Switzerland)</i> , <b>2020</b> , 8,	3.4	15
119	A novel 3D-Printed preferential posterior mitral annular dilation device delineates regurgitation onset threshold in an ex vivo heart simulator. <i>Medical Engineering and Physics</i> , <b>2020</b> , 77, 10-18	2.4	14
118	SDF 1-alpha Attenuates Myocardial Injury Without Altering the Direct Contribution of Circulating Cells. <i>Journal of Cardiovascular Translational Research</i> , <b>2018</b> , 11, 274-284	3.3	14
117	The Incremental Value of Right Ventricular Size and Strain in the Risk Assessment of Right Heart Failure Post - Left Ventricular Assist Device Implantation. <i>Journal of Cardiac Failure</i> , <b>2018</b> , 24, 823-832	3.3	14
116	Heart transplant after profoundly extended ambulatory central venoarterial extracorporeal membrane oxygenation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2018</b> , 156, e7-e9	1.5	13
115	Stem Cell Therapy: Healing or Hype? Why Stem Cell Delivery Doesn't Work. <i>Circulation Research</i> , <b>2017</b> , 120, 1868-1870	15.7	12
114	Evaluation of late aortic insufficiency with continuous flow left ventricular assist device. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2015</b> , 48, 400-6	3	12
113	Ambulating femoral venoarterial extracorporeal membrane oxygenation bridge to heart-lung transplant. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2018</b> , 156, e135-e137	1.5	11
112	Impact of "increased-risk" donor hearts on transplant outcomes: A propensity-matched analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2019</b> , 157, 603-610	1.5	10
111	Safety of photosynthetic <i>Synechococcus elongatus</i> for in vivo cyanobacteria-mammalian symbiotic therapeutics. <i>Microbial Biotechnology</i> , <b>2020</b> , 13, 1780-1792	6.3	10
110	A Tissue-Engineered Chondrocyte Cell Sheet Induces Extracellular Matrix Modification to Enhance Ventricular Biomechanics and Attenuate Myocardial Stiffness in Ischemic Cardiomyopathy. <i>Tissue Engineering - Part A</i> , <b>2015</b> , 21, 2515-25	3.9	10
109	Isolation and trans-differentiation of mesenchymal stromal cells into smooth muscle cells: Utility and applicability for cell-sheet engineering. <i>Cytotherapy</i> , <b>2016</b> , 18, 510-7	4.8	10

108	A Novel Aortic Regurgitation Model from Cusp Prolapse with Hemodynamic Validation Using an Ex Vivo Left Heart Simulator. <i>Journal of Cardiovascular Translational Research</i> , <b>2021</b> , 14, 283-289	3.3	10
107	Bioengineered analog of stromal cell-derived factor 1 preserves the biaxial mechanical properties of native myocardium after infarction. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2019</b> , 96, 165-171	4.1	9
106	A modified technique for orthotopic heart transplantation to minimize warm ischaemic time. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2018</b> , 53, 1089-1090	3	9
105	Evaluation of Risk Factors for Heart-Lung Transplant Recipient Outcome: An Analysis of the United Network for Organ Sharing Database. <i>Circulation</i> , <b>2019</b> , 140, 1261-1272	16.7	9
104	Layered smooth muscle cell-endothelial progenitor cell sheets derived from the bone marrow augment postinfarction ventricular function. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2017</b> , 154, 955-963	1.5	9
103	Current status of domino heart transplantation. <i>Journal of Cardiac Surgery</i> , <b>2017</b> , 32, 229-232	1.3	8
102	Modeling the Myxomatous Mitral Valve With Three-Dimensional Echocardiography. <i>Annals of Thoracic Surgery</i> , <b>2016</b> , 102, 703-710	2.7	8
101	Tricuspid leaflet repair: innovative solutions. <i>Annals of Cardiothoracic Surgery</i> , <b>2017</b> , 6, 248-254	4.7	8
100	Re-engineered stromal cell-derived factor-1 and the future of translatable angiogenic polypeptide design. <i>Trends in Cardiovascular Medicine</i> , <b>2012</b> , 22, 139-44	6.9	8
99	Signalosome-Regulated Serum Response Factor Phosphorylation Determining Myocyte Growth in Width Versus Length as a Therapeutic Target for Heart Failure. <i>Circulation</i> , <b>2020</b> , 142, 2138-2154	16.7	8
98	Donors after circulatory death heart trial. <i>Future Cardiology</i> , <b>2021</b> , 17, 11-17	1.3	8
97	Less Invasive Mitral Surgery Versus Conventional Sternotomy Stratified by Mitral Pathology. <i>Annals of Thoracic Surgery</i> , <b>2021</b> , 111, 819-827	2.7	8
96	Impact of Donor Obesity on Outcomes After Orthotopic Heart Transplantation. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7, e010253	6	8
95	Transventricular mitral valve operations. <i>Annals of Thoracic Surgery</i> , <b>2011</b> , 92, 1501-3	2.7	7
94	Active thermoregulation improves outcome of off-pump coronary artery bypass. <i>Asian Cardiovascular and Thoracic Annals</i> , <b>2005</b> , 13, 157-60	0.6	7
93	Comprehensive Ex Vivo Comparison of 5 Clinically Used Conduit Configurations for Valve-Sparing Aortic Root Replacement Using a 3-Dimensional-Printed Heart Simulator. <i>Circulation</i> , <b>2020</b> , 142, 1361-1373	16.7	7
92	Multiaxial Lenticular Stress-Strain Relationship of Native Myocardium is Preserved by Infarct-Induced Natural Heart Regeneration in Neonatal Mice. <i>Scientific Reports</i> , <b>2020</b> , 10, 7319	4.9	6
91	Novel bicuspid aortic valve model with aortic regurgitation for hemodynamic status analysis using an ex vivo simulator. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2020</b> ,	1.5	6



90	Improved midterm outcomes after endovascular repair of nontraumatic descending thoracic aortic rupture compared with open surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2021</b> , 161, 2004-2012	1.5	6
89	Predicting post-operative right ventricular failure using video-based deep learning. <i>Nature Communications</i> , <b>2021</b> , 12, 5192	17.4	6
88	Biochemically engineered stromal cell-derived factor 1-alpha analog increases perfusion in the ischemic hind limb. <i>Journal of Vascular Surgery</i> , <b>2016</b> , 64, 1093-9	3.5	5
87	Operative technique and pitfalls in donor heart procurement. <i>Asian Cardiovascular and Thoracic Annals</i> , <b>2017</b> , 25, 80-82	0.6	5
86	Time-to-operation does not predict outcome in acute type A aortic dissection complicated by neurologic injury at presentation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2019</b> , 158, 665-672	1.5	5
85	Use of patient-specific computational models for optimization of aortic insufficiency after implantation of left ventricular assist device. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2021</b> , 162, 1556-1563	1.5	5
84	Ex vivo allograft mitral valve leaflet repair prior to orthotopic heart transplantation. <i>Journal of Cardiac Surgery</i> , <b>2014</b> , 29, 424-6	1.3	5
83	Alternative approaches for mitral valve repair. <i>Annals of Cardiothoracic Surgery</i> , <b>2015</b> , 4, 469-73	4.7	5
82	Biomimetic six-axis robots replicate human cardiac papillary muscle motion: pioneering the next generation of biomechanical heart simulator technology. <i>Journal of the Royal Society Interface</i> , <b>2020</b> , 17, 20200614	4.1	5
81	Heart-lung transplantation over the past 10 years: an up-to-date concept. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2019</b> , 55, 304-308	3	5
80	The Stanford experience of heart transplantation over five decades. <i>European Heart Journal</i> , <b>2021</b> ,	9.5	5
79	In Vivo Validation of Restored Chordal Biomechanics After Mitral Ring Annuloplasty in a Rare Ovine Case of Natural Chronic Functional Mitral Regurgitation. <i>Journal of Cardiovascular Development and Disease</i> , <b>2020</b> , 7,	4.2	4
78	Current evidence for prosthesis selection: What can we really say?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2019</b> , 158, 368-375	1.5	4
77	Impact of Surgical Approach in Double Lung Transplantation: Median Sternotomy vs Clamshell Thoracotomy. <i>Transplantation Proceedings</i> , <b>2020</b> , 52, 321-325	1.1	4
76	Transcriptional Profiling of Normal, Stenotic, and Regurgitant Human Aortic Valves. <i>Genes</i> , <b>2020</b> , 11,	4.2	4
75	Artificial papillary muscle device for off-pump transapical mitral valve repair. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2020</b> ,	1.5	4
74	Outcomes after heart retransplantation: A 50-year single-center experience. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2020</b> ,	1.5	4
73	ExVivo Analysis of a Porcine Bicuspid Aortic Valve and Aneurysm Disease Model. <i>Annals of Thoracic Surgery</i> , <b>2021</b> , 111, e113-e115	2.7	4

72	Operative Techniques and Pitfalls in Donor Heart-Lung Procurement. <i>Transplantation Proceedings</i> , <b>2018</b> , 50, 3111-3112	1.1	4
71	A neonatal leporine model of age-dependent natural heart regeneration after myocardial infarction. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2021</b> ,	1.5	4
70	Dynamic Hydrogels for Prevention of Post-Operative Peritoneal Adhesions. <i>Advanced Therapeutics</i> , <b>2021</b> , 4, 2000242	4.9	4
69	Human Coronary Plaque T Cells Are Clonal and Cross-React to Virus and Self.. <i>Circulation Research</i> , <b>2022</b> , 101161CIRCRESAHA121320090	15.7	4
68	Injectable Bioengineered Hydrogel Therapy in the Treatment of Ischemic Cardiomyopathy. <i>Current Treatment Options in Cardiovascular Medicine</i> , <b>2017</b> , 19, 30	2.1	3
67	Stanford Cardiovascular Institute. <i>Circulation Research</i> , <b>2019</b> , 124, 1420-1424	15.7	3
66	Non-resectional leaflet remodeling mitral valve repair preserves leaflet mobility: A quantitative echocardiographic analysis of mitral valve configuration. <i>International Journal of Cardiology</i> , <b>2015</b> , 186, 16-8	3.2	3
65	Minimally invasive mitral valve repair in situs inversus totalis. <i>Journal of Cardiac Surgery</i> , <b>2016</b> , 31, 718-720,		3
64	Treatment and Prognosis of Pulmonary Hypertension in the Left Ventricular Assist Device Patient. <i>Current Heart Failure Reports</i> , <b>2016</b> , 13, 140-50	2.8	3
63	Successful heart-lung-kidney and domino heart transplantation following veno-venous extracorporeal membrane oxygenation support. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2019</b> , 28, 316-317	1.8	3
62	One Hundred Years of History at Stanford University: Thoracic and Cardiovascular Surgery. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2015</b> , 27, 388-97	1.7	3
61	Cardiac surgery in patients on antiplatelet and antithrombotic agents. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2005</b> , 17, 66-72	1.7	3
60	Heart Transplant Using Hepatitis C-Seropositive and Viremic Organs in Seronegative Recipients. <i>Annals of Transplantation</i> , <b>2020</b> , 25, e922723	1.4	3
59	A novel alternative to the Commando procedure: Constructing a neo-aortic root by anchoring to the sewing ring of the replaced mitral valve. <i>JTCVS Techniques</i> , <b>2020</b> , 4, 101-102	0.2	3
58	A Bioengineered Neuregulin-Hydrogel Therapy Reduces Scar Size and Enhances Post-Infarct Ventricular Contractility in an Ovine Large Animal Model. <i>Journal of Cardiovascular Development and Disease</i> , <b>2020</b> , 7,	4.2	3
57	Heart Valve Biomechanics: The Frontiers of Modeling Modalities and the Expansive Capabilities of Heart Simulation. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 673689	5.4	3
56	Bilateral vs Single Internal Mammary Artery Grafts for Coronary Artery Bypass in the United States. <i>Annals of Thoracic Surgery</i> , <b>2021</b> , 111, 629-635	2.7	3
55	Ex vivo biomechanical analysis of the Ross procedure using the modified inclusion technique in a 3-dimensionally printed left heart simulator. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2021</b> ,	1.5	3



54	Redo Valve-Sparing Root Replacement for Delayed Cusp Derangement From Ventricular Septal Defect. <i>Annals of Thoracic Surgery</i> , <b>2019</b> , 108, e295-e296	2.7	2
53	Multidisciplinary approach utilizing early, intensive physical rehabilitation to accelerate recovery from veno-venous extracorporeal membrane oxygenation. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2019</b> , 56, 811-812	3	2
52	Percutaneous, minimally invasive approach to implantable left ventricular assist device deactivation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2018</b> , 155, 653-654	1.5	2
51	Valve-sparing aortic root replacement with translocation of anomalous left coronary artery. <i>Annals of Thoracic Surgery</i> , <b>2013</b> , 96, 1466-1469	2.7	2
50	Impact of Discordant Views in the Management of Descending Thoracic Aortic Aneurysm. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2017</b> , 29, 283-291	1.7	2
49	Ex Vivo Model of Ischemic Mitral Regurgitation and Analysis of Adjunctive Papillary Muscle Repair. <i>Annals of Biomedical Engineering</i> , <b>2021</b> , 1	4.7	2
48	The impact of the American Association for Thoracic Surgery on National Institutes of Health grant funding for cardiothoracic surgeons. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2021</b> ,	1.5	2
47	Navigating the Crossroads of Cell Therapy and Natural Heart Regeneration. <i>Frontiers in Cell and Developmental Biology</i> , <b>2021</b> , 9, 674180	5.7	2
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