

# Yiping Joseph Woo

## List of Publications by Year in Descending Order

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

179  
papers

3,808  
citations

29  
h-index

57  
g-index

208  
ext. papers

5,164  
ext. citations

5.6  
avg, IF

5.54  
L-index

#	Paper	IF	Citations
179	Biomechanical engineering analysis of an acute papillary muscle rupture disease model using an innovative 3D-printed left heart simulator.. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2022</b> ,	1.8	1
178	Biomechanical analysis of neochordal repair error from diastolic phase inversion of static left ventricular pressurization.. <i>JTCVS Techniques</i> , <b>2022</b> , 12, 54-64	0.2	
177	Ex vivo aortic valve replacement before orthotopic heart transplantation.. <i>JTCVS Techniques</i> , <b>2022</b> , 12, 118-120	0.2	
176	Natural cardiac regeneration conserves native biaxial left ventricular biomechanics after myocardial infarction in neonatal rats.. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , <b>2022</b> , 126, 105074	4.1	1
175	Ex vivo biomechanical analysis of flexible versus rigid annuloplasty rings in mitral valves using a novel annular dilation system.. <i>BMC Cardiovascular Disorders</i> , <b>2022</b> , 22, 73	2.3	
174	Biomechanical Analysis of the Ross Procedure in an Ex Vivo Left Heart Simulator.. <i>World Journal for Pediatric &amp; Congenital Heart Surgery</i> , <b>2022</b> , 13, 166-174	1.1	1
173	Electrophysiologic Conservation of Epicardial Conduction Dynamics After Myocardial Infarction and Natural Heart Regeneration in Newborn Piglets.. <i>Frontiers in Cardiovascular Medicine</i> , <b>2022</b> , 9, 829546	5.4	
172	Efficacy of a Novel Posterior Leaflet Repair Device to Treat Secondary Mitral Regurgitation Using an Ex Vivo Heart Model. <i>Structural Heart</i> , <b>2022</b> , 100023	0.6	
171	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
170	Post-Transplant Extracorporeal Membrane Oxygenation for Severe Primary Graft Dysfunction to Support the Use of Marginal Donor Hearts.. <i>Transplant International</i> , <b>2022</b> , 35, 10176	3	1
169	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
168	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
167	Fractional Flow Reserve-Guided PCI as Compared with Coronary Bypass Surgery. <i>New England Journal of Medicine</i> , <b>2021</b> ,	59.2	26
166	Photosynthetic symbiotic therapeutics - An innovative, effective treatment for ischemic cardiovascular diseases. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2021</b> , 164, 51-57	5.8	0
165	Association of Volume and Outcomes in 234,556 Patients Undergoing Surgical Aortic Valve Replacement. <i>Annals of Thoracic Surgery</i> , <b>2021</b> ,	2.7	1
164	Biomechanical engineering comparison of four leaflet repair techniques for mitral regurgitation using a novel 3-dimensional-printed left heart simulator.. <i>JTCVS Techniques</i> , <b>2021</b> , 10, 244-251	0.2	1
163	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

162	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
161	The Expanding Armamentarium of Innovative Bioengineered Strategies to Augment Cardiovascular Repair and Regeneration. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 674172	5.8	2
160	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
159	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
158	Donors after circulatory death heart trial. <i>Future Cardiology</i> , <b>2021</b> , 17, 11-17	1.3	8
157	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
156	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
155	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
154	Ex Vivo 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
153	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
152	Operative Technique of Donor Organ Procurement for En Bloc Heart-liver Transplantation. <i>Transplantation</i> , <b>2021</b> , 105, 2661-2665	1.8	0
151	Patient-Specific Computational Fluid Dynamics Reveal Localized Flow Patterns Predictive of Post-Left Ventricular Assist Device Aortic Incompetence. <i>Circulation: Heart Failure</i> , <b>2021</b> , 14, e008034	7.6	0
150	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
149	First lung and kidney multi-organ transplant following COVID-19 Infection. <i>Journal of Heart and Lung Transplantation</i> , <b>2021</b> , 40, 856-859	5.8	2
148	Predicting post-operative right ventricular failure using video-based deep learning. <i>Nature Communications</i> , <b>2021</b> , 12, 5192	17.4	6
147	The impact of donor sex on heart transplantation outcomes-a study of over 60,000 patients in the United States. <i>Journal of Heart and Lung Transplantation</i> , <b>2021</b> , 40, 814-821	5.8	2
146	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
145	Extended Static Hypothermic Preservation In Cardiac Transplantation: A Case Report. <i>Transplantation Proceedings</i> , <b>2021</b> , 53, 2509-2511	1.1	1

144	From hardware store to hospital: a COVID-19-inspired, cost-effective, open-source, in vivo-validated ventilator for use in resource-scarce regions. <i>Bio-Design and Manufacturing</i> , <b>2021</b> , 1-8	4.7	0
143	Videographic conceptual dynamic representation of bicuspid aortic valve anatomic configurations and structural inter-relationships. <i>JTCVS Techniques</i> , <b>2021</b> , 9, 44-45	0.2	0
142	Dynamic Hydrogels for Prevention of Post-Operative Peritoneal Adhesions. <i>Advanced Therapeutics</i> , <b>2021</b> , 4, 2000242	4.9	4
141	The Stanford experience of heart transplantation over five decades. <i>European Heart Journal</i> , <b>2021</b> ,	9.5	5
140	Analysis of the revised heart allocation policy and the influence of increased mechanical circulatory support on survival.. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2021</b> ,	1.5	1
139	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
138	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
137	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
136	Operative Techniques and Pitfalls in Donor Bilateral Lung Procurement. <i>Transplantation Proceedings</i> , <b>2020</b> , 52, 954-957	1.1	
135	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
134	Natural Heart Regeneration in a Neonatal Rat Myocardial Infarction Model. <i>Cells</i> , <b>2020</b> , 9,	7.9	22
133	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
132	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
131	Cardiac transplantation for cancer involving the heart. <i>Journal of Heart and Lung Transplantation</i> , <b>2020</b> , 39, 974-977	5.8	1
130	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
129	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
128	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
127	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

126	Transcriptional Profiling of Normal, Stenotic, and Regurgitant Human Aortic Valves. <i>Genes</i> , <b>2020</b> , 11,	4.2	4
125	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
124	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
123	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
122	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
121	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
120	Relation of Length of Survival After Orthotopic Heart Transplantation to Age of the Donor. <i>American Journal of Cardiology</i> , <b>2020</b> , 131, 54-59	3	1
119	Long-term outcome of orthotopic heart transplantation in Asians: An analysis of the United Network of Organ Sharing database. <i>Journal of Heart and Lung Transplantation</i> , <b>2020</b> , 39, 1315-1318	5.8	0
118	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
117	Outcomes after heart retransplantation: A 50-year single-center experience. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2020</b> ,	1.5	4
116	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
115	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
114	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
113	Heart-lung transplantation with concomitant aortic arch reconstruction for Eisenmenger syndrome and type B interrupted aortic arch. <i>Journal of Heart and Lung Transplantation</i> , <b>2019</b> , 38, 1320-1321	5.8	
112	A Unique Collateral Artery Development Program Promotes Neonatal Heart Regeneration. <i>Cell</i> , <b>2019</b> , 176, 1128-1142.e18	56.2	101
111	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
110	A Biocompatible Therapeutic Catheter-Deliverable Hydrogel for In Situ Tissue Engineering. <i>Advanced Healthcare Materials</i> , <b>2019</b> , 8, e1801147	10.1	28
109	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

108	Stanford Cardiovascular Institute. <i>Circulation Research</i> , <b>2019</b> , 124, 1420-1424	15.7	3
107	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
106	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
105	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
104	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
103	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
102	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
101	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
100	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
99	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
98	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
97	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
96	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
95	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
94	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
93	Physical therapy in successful venoarterial extracorporeal membrane oxygenation bridge to orthotopic heart transplantation. <i>Journal of Cardiac Surgery</i> , <b>2019</b> , 34, 1390-1392	1.3	1
92	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
91	Reply to Dimarakis and Venkateswaran. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2019</b> , 55, 596	3	

90	Cardioaortic replacement for a ruptured root pseudoaneurysm with pulsatile subcutaneous extension. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2019</b> , 56, 615-617	3	1
89	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
88	Prosthesis Type for Aortic- and Mitral-Valve Replacement. <i>New England Journal of Medicine</i> , <b>2018</b> , 378, 778-779	59.2	1
87	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
86	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
85	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
84	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
83	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
82	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
81	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
80	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
79	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
78	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
77	Operative Techniques and Pitfalls in Donor Heart-Lung Procurement. <i>Transplantation Proceedings</i> , <b>2018</b> , 50, 3111-3112	1.1	4
76	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
75	Invited Commentary. <i>Annals of Thoracic Surgery</i> , <b>2018</b> , 106, 1120-1121	2.7	
74	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
73	Postpartum Diagnosis of Cardiac Paraganglioma: A Case Report. <i>Journal of Emergency Medicine</i> , <b>2018</b> , 55, e101-e105	1.5	0

72	Would evolving recommendations for mechanical mitral valve replacement further raise the bar for successful mitral valve repair?. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2018</b> , 54, 622-626	3	
71	Successful use of donor lungs after repairing severely injured pulmonary vein of donor lungs. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2018</b> , 53, 889	3	2
70	Current status of domino heart transplantation. <i>Journal of Cardiac Surgery</i> , <b>2017</b> , 32, 229-232	1.3	8
69	Operative technique and pitfalls in donor heart procurement. <i>Asian Cardiovascular and Thoracic Annals</i> , <b>2017</b> , 25, 80-82	0.6	5
68	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
67	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
66	An innovative biologic system for photon-powered myocardium in the ischemic heart. <i>Science Advances</i> , <b>2017</b> , 3, e1603078	14.3	50
65	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
64	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
63	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
62	Autograft Valve-Sparing Root Replacement for Late Ross Failure during Quadruple-Valve Surgery. <i>Annals of Thoracic and Cardiovascular Surgery</i> , <b>2017</b> , 23, 313-315	1.8	0
61	Resection of a Giant Cardiac Lymphovenous Malformation Involving the Right Atrioventricular Groove. <i>Annals of Thoracic Surgery</i> , <b>2017</b> , 104, e257-e259	2.7	1
60	Alternative Progenitor Cells Compensate to Rebuild the Coronary Vasculature in Elafin- and Apj-Deficient Hearts. <i>Developmental Cell</i> , <b>2017</b> , 42, 655-666.e3	10.2	53
59	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
58	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
57	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
56	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
55	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



54	A modified explant technique of HeartWare ventricular assist device for bridge to recovery. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2017</b> , 52, 1223-1224	3	1
53	Tricuspid leaflet repair: innovative solutions. <i>Annals of Cardiothoracic Surgery</i> , <b>2017</b> , 6, 248-254	4.7	8
52	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
51	Modeling the Myxomatous Mitral Valve With Three-Dimensional Echocardiography. <i>Annals of Thoracic Surgery</i> , <b>2016</b> , 102, 703-710	2.7	8
50	A modified implantation technique of left ventricular assist device: optimal outflow tract positioning. <i>International Journal of Cardiology</i> , <b>2016</b> , 223, 776-778	3.2	1
49	Minimally invasive mitral valve repair in situs inversus totalis. <i>Journal of Cardiac Surgery</i> , <b>2016</b> , 31, 718-720;		3
48	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
47	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
46	A Crack in the Wall: Evolution of a Left Ventricular Apical Pseudoaneurysm. <i>Canadian Journal of Cardiology</i> , <b>2016</b> , 32, 830.e7-8	3.8	0
45	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
44	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
43	Is minimally invasive thoracoscopic surgery the new benchmark for treating mitral valve disease?. <i>Annals of Cardiothoracic Surgery</i> , <b>2016</b> , 5, 567-572	4.7	2
42	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
41	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
40	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
39	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
38	Reply: To PMID 25069688. <i>Annals of Thoracic Surgery</i> , <b>2015</b> , 99, 1489	2.7	1
37	Invited commentary. <i>Annals of Thoracic Surgery</i> , <b>2015</b> , 99, 1412-3	2.7	

36	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
35	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
34	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
33	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
32	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
31	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
30	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
29	Mitral valve repair. <i>Annals of Cardiothoracic Surgery</i> , <b>2015</b> , 4, 219	4.7	1
28	Alternative approaches for mitral valve repair. <i>Annals of Cardiothoracic Surgery</i> , <b>2015</b> , 4, 469-73	4.7	5
27	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
26	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
25	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
24	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
23	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
22	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
21	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
20	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
19	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

18	Invited commentary. <i>Annals of Thoracic Surgery</i> , <b>2014</b> , 97, 756-7	2.7	
17	Ventricular assist device implantation in the elderly. <i>Annals of Cardiothoracic Surgery</i> , <b>2014</b> , 3, 570-2	4.7	1
16	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
15	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
14	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
13	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
12	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
11	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
10	Transventricular mitral valve operations. <i>Annals of Thoracic Surgery</i> , <b>2011</b> , 92, 1501-3	2.7	7
9	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
8	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
7	Minimally invasive valve surgery. <i>Surgical Clinics of North America</i> , <b>2009</b> , 89, 923-49, x	4	18
6	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
5	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
4	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
3	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
2	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
1	Minimally invasive video-assisted graft replacement of a descending thoracic aortic aneurysm. <i>Heart Surgery Forum</i> , <b>2003</b> , 6, E59-61	0.7	

