

# Yiping Joseph Woo

## List of Publications by Year in descending order

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207  
papers

6,257  
citations

87843

38  
h-index

85498

71  
g-index

208  
all docs

208  
docs citations

208  
times ranked

7478  
citing authors

#	ARTICLE	IF	CITATIONS
1	Atheroprotective roles of smooth muscle cell phenotypic modulation and the TCF21 disease gene as revealed by single-cell analysis. <i>Nature Medicine</i> , 2019, 25, 1280-1289.	15.2	494
2	Mechanical or Biologic Prostheses for Aortic-Valve and Mitral-Valve Replacement. <i>New England Journal of Medicine</i> , 2017, 377, 1847-1857.	13.9	454
3	Risk Score Derived from Pre-operative Data Analysis Predicts the Need for Biventricular Mechanical Circulatory Support. <i>Journal of Heart and Lung Transplantation</i> , 2008, 27, 1286-1292.	0.3	380
4	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> , 2009, 137, 971-977.	0.4	297
5	Shear-Induced Thinning of Supramolecular Hydrogels with Secondary Autonomous Covalent Crosslinking to Modulate Viscoelastic Properties In Vivo. <i>Advanced Functional Materials</i> , 2015, 25, 636-644.	7.8	278
6	Predicting Right Ventricular Failure in the Modern, Continuous Flow Left Ventricular Assist Device Era. <i>Annals of Thoracic Surgery</i> , 2013, 96, 857-864.	0.7	207
7	Fractional Flow Reserve-Guided PCI as Compared with Coronary Bypass Surgery. <i>New England Journal of Medicine</i> , 2022, 386, 128-137.	13.9	169
8	A Unique Collateral Artery Development Program Promotes Neonatal Heart Regeneration. <i>Cell</i> , 2019, 176, 1128-1142.e18.	13.5	162
9	Use of a supramolecular polymeric hydrogel as an effective post-operative pericardial adhesion barrier. <i>Nature Biomedical Engineering</i> , 2019, 3, 611-620.	11.6	154
10	Paracrine Effects of the Pluripotent Stem Cell-Derived Cardiac Myocytes Salvage the Injured Myocardium. <i>Circulation Research</i> , 2017, 121, e22-e36.	2.0	124
11	TRANSFORM (Multicenter Experience With Rapid Deployment Edwards INTUITY Valve System for Aortic) <i>Thoracic and Cardiovascular Surgery</i> , 2017, 153, 241-251.e2.	1.0784314	120
12	Type A Aortic Dissection: Experience Over 5 Decades. <i>Journal of the American College of Cardiology</i> , 2020, 76, 1703-1713.	1.2	109
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> , 2013, 128, S79-86.	1.6	100
14	Stem cell-based therapies to promote angiogenesis in ischemic cardiovascular disease. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016, 310, H455-H465.	1.5	90
15	An innovative biologic system for photon-powered myocardium in the ischemic heart. <i>Science Advances</i> , 2017, 3, e1603078.	4.7	88
16	Alternative Progenitor Cells Compensate to Rebuild the Coronary Vasculature in <i>Elabela-</i> and <i>Apj-</i> Deficient Hearts. <i>Developmental Cell</i> , 2017, 42, 655-666.e3.	3.1	88
17	Intramyocardial Injection of Mesenchymal Precursor Cells and Successful Temporary Weaning From Left Ventricular Assist Device Support in Patients With Advanced Heart Failure. <i>JAMA - Journal of the American Medical Association</i> , 2019, 321, 1176.	3.8	87
18	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> , 2014, 148, 2802-2810.	0.4	86

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19	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> , 2017, 153, 1384-1391.e3.	0.4	79
20	Combined Heart and Liver Transplantation Can Be Safely Performed With Excellent Short- and Long-Term Results. <i>Annals of Thoracic Surgery</i> , 2014, 98, 858-862.	0.7	74
21	Endovascular Versus Open Repair of Intact Descending Thoracic Aortic Aneurysms. <i>Journal of the American College of Cardiology</i> , 2019, 73, 643-651.	1.2	72
22	Interfacility Transfer of Medicare Beneficiaries With Acute Type A Aortic Dissection and Regionalization of Care in the United States. <i>Circulation</i> , 2019, 140, 1239-1250.	1.6	67
23	Clinical trial in a dish using iPSCs shows lovastatin improves endothelial dysfunction and cellular cross-talk in LMNA cardiomyopathy. <i>Science Translational Medicine</i> , 2020, 12, .	5.8	56
24	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> , 2014, 7, 619-626.	1.6	53
25	Regional Annular Geometry in Patients With Mitral Regurgitation: Implications for Annuloplasty Ring Selection. <i>Annals of Thoracic Surgery</i> , 2014, 97, 64-70.	0.7	53
26	Regulating Stem Cell Secretome Using Injectable Hydrogels with In Situ Network Formation. <i>Advanced Healthcare Materials</i> , 2016, 5, 2758-2764.	3.9	53
27	Preoperative Three-Dimensional Valve Analysis Predicts Recurrent Ischemic Mitral Regurgitation After Mitral Annuloplasty. <i>Annals of Thoracic Surgery</i> , 2016, 101, 567-575.	0.7	53
28	Angiogenesis precedes cardiomyocyte migration in regenerating mammalian hearts. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 1118-1127.e1.	0.4	52
29	A "Repair-All" Strategy for Degenerative Mitral Valve Disease Safely Minimizes Unnecessary Replacement. <i>Annals of Thoracic Surgery</i> , 2015, 99, 1983-1991.	0.7	51
30	Second Arterial Versus Venous Conduits for Multivessel Coronary Artery Bypass Surgery in California. <i>Circulation</i> , 2018, 137, 1698-1707.	1.6	49
31	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> , 2018, 155, 1-7.e1.	0.4	47
32	A Biocompatible Therapeutic Catheter-Deliverable Hydrogel for In Situ Tissue Engineering. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801147.	3.9	47
33	Short-term outcomes of in bloc combined heart and liver transplantation in the failing Fontan. <i>Clinical Transplantation</i> , 2019, 33, e13540.	0.8	46
34	Obstructive Sleep Apnea Is an Independent Predictor of Postoperative Atrial Fibrillation in Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015, 29, 1140-1147.	0.6	44
35	Immediate operation for acute type A aortic dissection complicated by visceral or peripheral malperfusion. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 156, 18-24.e3.	0.4	44
36	Computational Protein Design to Reengineer Stromal Cell-Derived Factor-1 Generates an Effective and Translatable Angiogenic Polypeptide Analog. <i>Circulation</i> , 2011, 124, S18-26.	1.6	42

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37	Preclinical Evaluation of the Engineered Stem Cell Chemokine Stromal Cell-Derived Factor 1 $\beta$ Analog in a Translational Ovine Myocardial Infarction Model. <i>Circulation Research</i> , 2014, 114, 650-659.	2.0	42
38	Tissue-engineered, hydrogel-based endothelial progenitor cell therapy robustly revascularizes ischemic myocardium and preserves ventricular function. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 1090-1098.	0.4	39
39	Ex Vivo Biomechanical Study of Apical Versus Papillary Neochord Anchoring for Mitral Regurgitation. <i>Annals of Thoracic Surgery</i> , 2019, 108, 90-97.	0.7	38
40	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> , 2019, 158, 392-403.	0.4	36
41	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> , 2015, 4, 220-9.	0.6	34
42	Novel MRI Contrast Agent from Magnetotactic Bacteria Enables In Vivo Tracking of iPSC-derived Cardiomyocytes. <i>Scientific Reports</i> , 2016, 6, 26960.	1.6	33
43	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> , 2020, 142, .	0.6	33
44	Natural Heart Regeneration in a Neonatal Rat Myocardial Infarction Model. <i>Cells</i> , 2020, 9, 229.	1.8	32
45	Predicting post-operative right ventricular failure using video-based deep learning. <i>Nature Communications</i> , 2021, 12, 5192.	5.8	32
46	Minimally Invasive, Robotic, and Off-Pump Mitral Valve Surgery. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2006, 18, 139-147.	0.4	31
47	Less Invasive Mitral Surgery Versus Conventional Sternotomy Stratified by Mitral Pathology. <i>Annals of Thoracic Surgery</i> , 2021, 111, 819-827.	0.7	31
48	Prior Sternotomy and Ventricular Assist Device Implantation Do Not Adversely Impact Survival or Allograft Function After Heart Transplantation. <i>Annals of Thoracic Surgery</i> , 2015, 100, 542-549.	0.7	30
49	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> , 2017, 16, 142.	2.7	30
50	Mitral chordae tendineae force profile characterization using a posterior ventricular anchoring neochordal repair model for mitral regurgitation in a three-dimensional-printed <i>ex vivo</i> left heart simulator. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 57, 535-544.	0.6	30
51	Cardiac retransplantation is an efficacious therapy for primary cardiac allograft failure. <i>Journal of Cardiothoracic Surgery</i> , 2008, 3, 26.	0.4	28
52	Simplified nonresectional leaflet remodeling mitral valve repair for degenerative mitral regurgitation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012, 143, 749-753.	0.4	28
53	Minimally Invasive Surgical Treatment of Valvular Heart Disease. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2014, 26, 36-43.	0.4	28
54	Rapid Self-Assembly of Bioengineered Cardiovascular Bypass Grafts From Scaffold-Stabilized, Tubular Bilevel Cell Sheets. <i>Circulation</i> , 2018, 138, 2130-2144.	1.6	28

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55	Donors after circulatory death heart trial. <i>Future Cardiology</i> , 2021, 17, 11-17.	0.5	28
56	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> , 2017, 114, 2379-2389.	1.7	27
57	Integrated Thoracic Surgery Residency: Current Status and Future Evolution. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2019, 31, 345-349.	0.4	27
58	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> , 2021, 161, 1776-1783.	0.4	27
59	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> , 2018, 24, 823-832.	0.7	26
60	Impact of "increased-risk" donor hearts on transplant outcomes: A propensity-matched analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 603-610.	0.4	26
61	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> , 2020, 127, 154974.	1.4	26
62	Human Coronary Plaque T Cells Are Clonal and Cross-React to Virus and Self. <i>Circulation Research</i> , 2022, 130, 1510-1530.	2.0	25
63	Posterior ventricular anchoring neochordal repair of degenerative mitral regurgitation efficiently remodels and repositions posterior leaflet prolapse. <i>European Journal of Cardio-thoracic Surgery</i> , 2013, 44, 485-489.	0.6	24
64	Signalosome-Regulated Serum Response Factor Phosphorylation Determining Myocyte Growth in Width Versus Length as a Therapeutic Target for Heart Failure. <i>Circulation</i> , 2020, 142, 2138-2154.	1.6	23
65	Midterm Outcomes of Open Descending Thoracic Aortic Repair in More Than 5,000 Medicare Patients. <i>Annals of Thoracic Surgery</i> , 2015, 100, 2087-2094.	0.7	22
66	Heart transplant after profoundly extended ambulatory central venoarterial extracorporeal membrane oxygenation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 156, e7-e9.	0.4	22
67	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> , 2020, 142, 1361-1373.	1.6	22
68	Minimally Invasive Valve Surgery. <i>Surgical Clinics of North America</i> , 2009, 89, 923-949.	0.5	21
69	Evaluation of Risk Factors for Heart-Lung Transplant Recipient Outcome. <i>Circulation</i> , 2019, 140, 1261-1272.	1.6	21
70	Quadrupling the N95 Supply during the COVID-19 Crisis with an Innovative 3D-Printed Mask Adaptor. <i>Healthcare (Switzerland)</i> , 2020, 8, 225.	1.0	20
71	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> , 2020, 77, 10-18.	0.8	20
72	SDF 1-alpha Attenuates Myocardial Injury Without Altering the Direct Contribution of Circulating Cells. <i>Journal of Cardiovascular Translational Research</i> , 2018, 11, 274-284.	1.1	18

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73	Ambulating femoral venoarterial extracorporeal membrane oxygenation bridge to heart-lung transplant. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 156, e135-e137.	0.4	18
74	Attrition of the cardiothoracic surgeon-scientist: Definition of the problem and remedial strategies. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 158, 504-508.	0.4	18
75	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> , 2021, 14, 283-289.	1.1	18
76	Evaluation of late aortic insufficiency with continuous flow left ventricular assist device. <i>European Journal of Cardio-thoracic Surgery</i> , 2015, 48, 400-406.	0.6	17
77	Isolation and trans-differentiation of mesenchymal stromal cells into smooth muscle cells: Utility and applicability for cell-sheet engineering. <i>Cytotherapy</i> , 2016, 18, 510-517.	0.3	17
78	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> , 2022, 163, e161-e171.	0.4	17
79	Dynamic Hydrogels for Prevention of Postoperative Peritoneal Adhesions. <i>Advanced Therapeutics</i> , 2021, 4, 2000242.	1.6	17
80	Stem Cell Therapy: Healing or Hype?. <i>Circulation Research</i> , 2017, 120, 1868-1870.	2.0	16
81	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> , 2017, 154, 955-963.	0.4	16
82	Safety of photosynthetic <i>Synechococcus elongatus</i> for in vivo cyanobacteria mammalian symbiotic therapeutics. <i>Microbial Biotechnology</i> , 2020, 13, 1780-1792.	2.0	16
83	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> , 2021, 162, 1556-1563.	0.4	16
84	Association of Volume and Outcomes in 234 556 Patients Undergoing Surgical Aortic Valve Replacement. <i>Annals of Thoracic Surgery</i> , 2022, 114, 1299-1306.	0.7	16
85	A modified technique for orthotopic heart transplantation to minimize warm ischaemic time. <i>European Journal of Cardio-thoracic Surgery</i> , 2018, 53, 1089-1090.	0.6	15
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> , 2019, 158, 665-672.	0.4	15
87	Heart-lung transplantation over the past 10 years: an up-to-date concept. <i>European Journal of Cardio-thoracic Surgery</i> , 2019, 55, 304-308.	0.6	14
88	Transcriptional Profiling of Normal, Stenotic, and Regurgitant Human Aortic Valves. <i>Genes</i> , 2020, 11, 789.	1.0	14
89	Heart Valve Biomechanics: The Frontiers of Modeling Modalities and the Expansive Capabilities of Ex Vivo Heart Simulation. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 673689.	1.1	14
90	Impact of Donor Obesity on Outcomes After Orthotopic Heart Transplantation. <i>Journal of the American Heart Association</i> , 2018, 7, e010253.	1.6	12

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91	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> , 2020, 17, 20200614.	1.5	12
92	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> , 2015, 21, 2515-2525.	1.6	11
93	Current status of domino heart transplantation. <i>Journal of Cardiac Surgery</i> , 2017, 32, 229-232.	0.3	11
94	Bioengineered analog of stromal cell-derived factor 1 $\pm$ preserves the biaxial mechanical properties of native myocardium after infarction. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2019, 96, 165-171.	1.5	11
95	The Stanford experience of heart transplantation over five decades. <i>European Heart Journal</i> , 2021, 42, 4934-4943.	1.0	11
96	Operative technique and pitfalls in donor heart procurement. <i>Asian Cardiovascular and Thoracic Annals</i> , 2017, 25, 80-82.	0.2	10
97	Tricuspid leaflet repair: innovative solutions. <i>Annals of Cardiothoracic Surgery</i> , 2017, 6, 248-254.	0.6	10
98	Artificial papillary muscle device for off-pump transapical mitral valve repair. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 164, e133-e141.	0.4	10
99	Bilateral vs Single Internal Mammary Artery Grafts for Coronary Artery Bypass in the United States. <i>Annals of Thoracic Surgery</i> , 2021, 111, 629-635.	0.7	10
100	Improved midterm outcomes after endovascular repair of nontraumatic descending thoracic aortic rupture compared with open surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 161, 2004-2012.	0.4	10
101	Photosynthetic symbiotic therapy. <i>Aging</i> , 2019, 11, 843-844.	1.4	10
102	Active Thermoregulation Improves Outcome of Off-Pump Coronary Artery Bypass. <i>Asian Cardiovascular and Thoracic Annals</i> , 2005, 13, 157-160.	0.2	9
103	Transventricular Mitral Valve Operations. <i>Annals of Thoracic Surgery</i> , 2011, 92, 1501-1503.	0.7	9
104	Re-Engineered Stromal Cell-Derived Factor-1 $\pm$ and the Future of Translatable Angiogenic Polypeptide Design. <i>Trends in Cardiovascular Medicine</i> , 2012, 22, 139-144.	2.3	9
105	Modeling the Myxomatous Mitral Valve With Three-Dimensional Echocardiography. <i>Annals of Thoracic Surgery</i> , 2016, 102, 703-710.	0.7	9
106	Outcomes after heart retransplantation: A 50-year single-center experience. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 163, 712-720.e6.	0.4	9
107	Ex Vivo Analysis of a Porcine Bicuspid Aortic Valve and Aneurysm Disease Model. <i>Annals of Thoracic Surgery</i> , 2021, 111, e113-e115.	0.7	9
108	Patient-Specific Computational Fluid Dynamics Reveal Localized Flow Patterns Predictive of Post Left Ventricular Assist Device Aortic Incompetence. <i>Circulation: Heart Failure</i> , 2021, 14, e008034.	1.6	9

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109	Heart Transplant Using Hepatitis C-Seropositive and Viremic Organs in Seronegative Recipients. <i>Annals of Transplantation</i> , 2020, 25, e922723.	0.5	9
110	The contemporary evolution of mitral valve surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 151, 7-9.	0.4	8
111	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> , 2020, 7, 53.	0.8	8
112	Cusp repair techniques in bicuspid and tricuspid aortic valves. <i>JTCVS Techniques</i> , 2021, 7, 109-116.	0.2	8
113	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> , 2023, 165, e103-e116.	0.4	8
114	Ex Vivo Allograft Mitral Valve Leaflet Repair Prior to Orthotopic Heart Transplantation. <i>Journal of Cardiac Surgery</i> , 2014, 29, 424-426.	0.3	7
115	Operative Techniques and Pitfalls in Donor Heart-Lung Procurement. <i>Transplantation Proceedings</i> , 2018, 50, 3111-3112.	0.3	7
116	Current evidence for prosthesis selection: What can we really say?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 158, 368-375.	0.4	7
117	Impact of Surgical Approach in Double Lung Transplantation: Median Sternotomy vs Clamshell Thoracotomy. <i>Transplantation Proceedings</i> , 2020, 52, 321-325.	0.3	7
118	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> , 2021, 40, 814-821.	0.3	7
119	Extended Static Hypothermic Preservation In Cardiac Transplantation: A Case Report. <i>Transplantation Proceedings</i> , 2021, 53, 2509-2511.	0.3	7
120	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> , 2021, , .	0.4	7
121	Ex vivo biomechanical analysis of flexible versus rigid annuloplasty rings in mitral valves using a novel annular dilation system. <i>BMC Cardiovascular Disorders</i> , 2022, 22, 73.	0.7	7
122	Cell transplantation in heart failure: where do we stand in 2016?. <i>European Journal of Cardio-thoracic Surgery</i> , 2016, 50, 396-399.	0.6	6
123	Biochemically engineered stromal cell-derived factor 1-alpha analog increases perfusion in the ischemic hind limb. <i>Journal of Vascular Surgery</i> , 2016, 64, 1093-1099.	0.6	6
124	Transatlantic Editorial: Attrition of the Cardiothoracic Surgeon-Scientist: Definition of the Problem and Remedial Strategies. <i>Annals of Thoracic Surgery</i> , 2019, 108, 315-318.	0.7	6
125	In Vivo Validation of Restored Chordal Biomechanics After Mitral Ring Annuloplasty in a Rare Ovine Case of Natural Chronic Mitral Regurgitation. <i>Journal of Cardiovascular Development and Disease</i> , 2020, 7, 17.	0.8	6
126	Multiaxial Lenticular Stress-Strain Relationship of Native Myocardium is Preserved by Infarct-Induced Natural Heart Regeneration in Neonatal Mice. <i>Scientific Reports</i> , 2020, 10, 7319.	1.6	6



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127	Valve-sparing reoperations for failed pulmonary autografts. <i>JTCVS Techniques</i> , 2021, 10, 408-412.	0.2	6
128	A neonatal leporine model of age-dependent natural heart regeneration after myocardial infarction. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 164, e389-e405.	0.4	6
129	Alternative approaches for mitral valve repair. <i>Annals of Cardiothoracic Surgery</i> , 2015, 4, 469-73.	0.6	6
130	Quality of Life After Fractional Flow Reserve–Guided PCI Compared With Coronary Bypass Surgery. <i>Circulation</i> , 2022, 145, 1655-1662.	1.6	6
131	Post-Transplant Extracorporeal Membrane Oxygenation for Severe Primary Graft Dysfunction to Support the Use of Marginal Donor Hearts. <i>Transplant International</i> , 2022, 35, 10176.	0.8	6
132	Valve-Sparing Aortic Root Replacement With Translocation of Anomalous Left Coronary Artery. <i>Annals of Thoracic Surgery</i> , 2013, 96, 1466-1469.	0.7	5
133	Injectable Bioengineered Hydrogel Therapy in the Treatment of Ischemic Cardiomyopathy. <i>Current Treatment Options in Cardiovascular Medicine</i> , 2017, 19, 30.	0.4	5
134	First lung and kidney multi-organ transplant following COVID-19 Infection. <i>Journal of Heart and Lung Transplantation</i> , 2021, 40, 856-859.	0.3	5
135	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> , 2020, 4, 101-102.	0.2	5
136	Ex Vivo Model of Ischemic Mitral Regurgitation and Analysis of Adjunctive Papillary Muscle Repair. <i>Annals of Biomedical Engineering</i> , 2021, 49, 3412-3424.	1.3	5
137	Is minimally invasive thoracoscopic surgery the new benchmark for treating mitral valve disease?. <i>Annals of Cardiothoracic Surgery</i> , 2016, 5, 567-572.	0.6	4
138	Treatment and Prognosis of Pulmonary Hypertension in the Left Ventricular Assist Device Patient. <i>Current Heart Failure Reports</i> , 2016, 13, 140-150.	1.3	4
139	Impact of Discordant Views in the Management of Descending Thoracic Aortic Aneurysm. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2017, 29, 283-291.	0.4	4
140	Percutaneous, minimally invasive approach to implantable left ventricular assist device deactivation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, 653-654.	0.4	4
141	Stanford Cardiovascular Institute. <i>Circulation Research</i> , 2019, 124, 1420-1424.	2.0	4
142	Redo Valve-Sparing Root Replacement for Delayed Cusp Derangement From Ventricular Septal Defect. <i>Annals of Thoracic Surgery</i> , 2019, 108, e295-e296.	0.7	4
143	Navigating the Crossroads of Cell Therapy and Natural Heart Regeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 674180.	1.8	4
144	Biomechanical engineering comparison of four leaflet repair techniques for mitral regurgitation using a novel 3-dimensional–printed left heart simulator. <i>JTCVS Techniques</i> , 2021, 10, 244-251.	0.2	4

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