

# Theo Kofidis

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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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.

151  
papers

5,064  
citations

34  
h-index

69  
g-index

177  
ext. papers

5,572  
ext. citations

3.8  
avg, IF

5.05  
L-index

#	Paper	IF	Citations
151	Partial Versus Complete Thymectomy in Non-Myasthenic Patients With Thymoma: A Systematic Review and Meta-Analysis of Clinical Outcomes. <i>Heart Lung and Circulation</i> , <b>2022</b> , 31, 59-68	1.8	0
150	Hybrid type II and frozen elephant trunk in acute Stanford type A aortic dissections.. <i>Scandinavian Cardiovascular Journal</i> , <b>2022</b> , 56, 91-99	2	0
149	Three dimensional modeling of atrioventricular valves provides predictive guides for optimal choice of prosthesis.. <i>Scientific Reports</i> , <b>2022</b> , 12, 7432	4.9	
148	Automated Fastener vs Hand-tied Knots in Heart Valve Surgery: A Systematic Review and Meta-analysis. <i>Annals of Thoracic Surgery</i> , <b>2021</b> , 112, 970-980	2.7	2
147	Antifibrinolytics reduces blood loss in thoracic surgery: a systematic review and meta-analysis. <i>ANZ Journal of Surgery</i> , <b>2021</b> , 91, 1251-1259	1	0
146	Rescue extracorporeal membrane oxygenation for massive anterior mediastinal masses. <i>Journal of Artificial Organs</i> , <b>2021</b> , 24, 450-457	1.8	3
145	Sleep apnea and recurrent heart failure hospitalizations after coronary artery bypass grafting. <i>Journal of Clinical Sleep Medicine</i> , <b>2021</b> , 17, 2399-2407	3.1	0
144	Incidence of valvular regurgitation and leaflet perforation by using automated titanium fasteners (CORKNOT <sup>®</sup> ) in heart valve repair or replacement: less usual than reported. <i>Journal of Cardiothoracic Surgery</i> , <b>2021</b> , 16, 163	1.6	1
143	Automated Suture Fastener Gaining Complete Commitment: Cumulative Propensity-Matched Comparison with Hand-Tied Knot in Heart Valve Surgery. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , <b>2021</b> , 16, 334-342	1.5	
142	Organization of thoracic surgical services during the COVID pandemic. <i>Journal of the Royal College of Surgeons of Edinburgh</i> , <b>2021</b> , 19, e1-e8	2.5	4
141	Minimally invasive tricuspid valve surgery and concomitant MAZE procedure with closure of LA appendage through an ASD. <i>Clinical Case Reports (discontinued)</i> , <b>2021</b> , 9, 251-255	0.7	
140	Anticoagulation After Isolated Mitral Valve Repair: A Systematic Review and Meta-Analysis of Clinical Outcomes. <i>Heart Lung and Circulation</i> , <b>2021</b> , 30, 247-253	1.8	1
139	Alternative technique of long acting cardioplegia delivery results in less hemodilution. <i>Perfusion (United Kingdom)</i> , <b>2021</b> , 36, 365-373	1.9	
138	Impact of avoiding cardioplegic arrest on clinical outcome in patients undergoing CABG in Bangladesh: a systematic review and meta-analysis. <i>Indian Journal of Thoracic and Cardiovascular Surgery</i> , <b>2021</b> , 37, 153-163	0.4	
137	Massive pulmonary embolism in a patient with nephrotic syndrome and single lung. <i>Journal of Thrombosis and Thrombolysis</i> , <b>2021</b> , 52, 680-682	5.1	
136	Design Variation, Implantation, and Outcome of Transcatheter Mitral Valve Prosthesis: A Comprehensive Review.. <i>Frontiers in Cardiovascular Medicine</i> , <b>2021</b> , 8, 782278	5.4	
135	Sleep apnea and diabetes mellitus are independently associated with cardiovascular events and hospitalization for heart failure after coronary artery bypass grafting. <i>Scientific Reports</i> , <b>2020</b> , 10, 21664	4.9	1

134	Comparison of outcomes of the use of Del Nido and St. Thomas cardioplegia in adult and paediatric cardiac surgery: a systematic review and meta-analysis. <i>Perfusion (United Kingdom)</i> , <b>2020</b> , 35, 724-735	1.9	7
133	Sleep apnoea and cardiovascular outcomes after coronary artery bypass grafting. <i>Heart</i> , <b>2020</b> , 106, 1495-1502	5	5
132	Structural durability of early-generation Transcatheter aortic valve replacement valves compared with surgical aortic valve replacement valves in heart valve surgery: a systematic review and meta-analysis. <i>Journal of Cardiothoracic Surgery</i> , <b>2020</b> , 15, 127	1.6	6
131	Total pulmonary artery replacement with an AVALUS-Gelweave conduit in a patient with giant pulmonary artery aneurysm with pulmonary regurgitation. <i>Journal of Cardiac Surgery</i> , <b>2020</b> , 35, 1122-1124	1.4	1
130	Functional reservoir microcapsules generated via microfluidic fabrication for long-term cardiovascular therapeutics. <i>Lab on A Chip</i> , <b>2020</b> , 20, 2756-2764	7.2	13
129	Use of del Nido Cardioplegia for Adult Heart Surgery: How Long Is Not Too Long?. <i>Journal of Extra-Corporeal Technology</i> , <b>2020</b> , 52, 272-278	0.4	
128	How to set up a minimally invasive cardiac surgery program?. <i>Turkish Journal of Thoracic and Cardiovascular Surgery</i> , <b>2020</b> , 28, 571-575	0.5	
127	A Novel Minimally Invasive Technique of Temporary Caval Occlusion for Right Heart Surgery. <i>Annals of Thoracic Surgery</i> , <b>2020</b> , 109, e309-e311	2.7	
126	Mitral valve re-repair vs replacement following failed initial repair: a systematic review and meta-analysis. <i>Journal of Cardiothoracic Surgery</i> , <b>2020</b> , 15, 304	1.6	1
125	The Asian system for cardiac operative risk evaluation for predicting mortality after isolated coronary artery bypass graft surgery (ASCORE-C). <i>Journal of Cardiac Surgery</i> , <b>2020</b> , 35, 2574-2582	1.3	1
124	Role of Vascular Smooth Muscle Cell Plasticity and Interactions in Vessel Wall Inflammation. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 599415	8.4	43
123	FFR-guided versus coronary angiogram-guided CABG: A review and meta-analysis of prospective randomized controlled trials. <i>Journal of Cardiac Surgery</i> , <b>2020</b> , 35, 2785-2793	1.3	6
122	Left heart bypass versus circulatory arrest for open repair of thoracoabdominal aortic pathologies. <i>ANZ Journal of Surgery</i> , <b>2020</b> , 90, 2434-2440	1	2
121	Comprehensive and Integrative Experimentation Setup for Large Animal Hybrid Valvular Heart Surgery. <i>Journal of Surgical Research</i> , <b>2019</b> , 234, 249-261	2.5	0
120	Transapical cardioscopic mitral annuloplasty: a short-term survival study in a porcine model. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2018</b> , 26, 131-138	1.8	2
119	On-pump transapical cardioscopic mitral valve replacement with cardiac arrest: short-term results in a porcine survival model. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2018</b> , 27, 437-445	1.8	1
118	Minimally Invasive Coronary Artery Bypass Surgery Reduces Postoperative Hospital Stay. <i>Heart Lung and Circulation</i> , <b>2018</b> , 27, S565-S566	1.8	
117	The Effect of Scaffold Modulus on the Morphology and Remodeling of Fetal Mesenchymal Stem Cells. <i>Frontiers in Physiology</i> , <b>2018</b> , 9, 1555	4.6	8

116	Global Unmet Needs in Cardiac Surgery. <i>Global Heart</i> , <b>2018</b> , 13, 293-303	2.9	65
115	Left atrial appendage mass. <i>Echocardiography</i> , <b>2018</b> , 35, 2106-2108	1.5	2
114	Gene expression profile analysis of aortic vascular smooth muscle cells reveals upregulation of cadherin genes in myocardial infarction patients. <i>Physiological Genomics</i> , <b>2018</b> , 50, 648-657	3.6	10
113	Paravalvular root abscess with mycotic pseudoaneurysm. <i>European Heart Journal</i> , <b>2018</b> , 39, 3751-3752	9.5	1
112	Angiogenic peptide nanofibers repair cardiac tissue defect after myocardial infarction. <i>Acta Biomaterialia</i> , <b>2017</b> , 58, 102-112	10.8	30
111	Biohybrid cardiac ECM-based hydrogels improve long term cardiac function post myocardial infarction. <i>Acta Biomaterialia</i> , <b>2017</b> , 50, 220-233	10.8	74
110	Dual delivery of VEGF and ANG-1 in ischemic hearts using an injectable hydrogel. <i>Acta Biomaterialia</i> , <b>2017</b> , 48, 58-67	10.8	57
109	Establishment of a minimally invasive cardiac surgery programme in Singapore. <i>Singapore Medical Journal</i> , <b>2017</b> , 58, 576-579	1.9	5
108	Video-assisted thoracoscopic surgery atrial clipping for atrial fibrillation. <i>Asian Cardiovascular and Thoracic Annals</i> , <b>2016</b> , 24, 372-4	0.6	
107	Design of a Novel Flexible Endoscope/Cardioscope. <i>Journal of Mechanisms and Robotics</i> , <b>2016</b> , 8, 051014	2.2	33
106	Sleep apnoea is a risk factor for acute kidney injury after coronary artery bypass grafting. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2016</b> , 49, 1188-94	3	11
105	A Score for Predicting Acute Kidney Injury After Coronary Artery Bypass Graft Surgery in an Asian Population. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , <b>2016</b> , 30, 1296-301	2.1	6
104	Natural myocardial ECM patch drives cardiac progenitor based restoration even after scarring. <i>Acta Biomaterialia</i> , <b>2016</b> , 44, 209-20	10.8	55
103	Sleep apnoea and unscheduled re-admission in patients undergoing coronary artery bypass surgery. <i>Atherosclerosis</i> , <b>2015</b> , 242, 128-34	3.1	10
102	Sleep apnea is associated with new-onset atrial fibrillation after coronary artery bypass grafting. <i>Journal of Critical Care</i> , <b>2015</b> , 30, 1418.e1-5	4	21
101	Feasibility of transapical cardioscopic surgery in a pig model. <i>Journal of Cardiac Surgery</i> , <b>2015</b> , 30, 355-9	1.3	4
100	Difficulties With the Use of Thromboelastometry in a Patient With Antiphospholipid Syndrome Undergoing Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , <b>2015</b> , 29, 1016-20	2.1	6
99	Coaxial projection profilometry based on speckle and fringe projection. <i>Optics Communications</i> , <b>2015</b> , 341, 228-236	2	14

98	Unravelling the proteome of degenerative human mitral valves. <i>Proteomics</i> , <b>2015</b> , 15, 2934-44	4.8	14
97	Three-Dimensional Transesophageal Echocardiography in the Excision of a Myocardial Pseudoaneurysm. <i>Anesthesia and Analgesia</i> , <b>2015</b> , 121, 1464-6	3.9	0
96	Aortic sutureless bioprosthesis with concomitant Ferrazzi procedure, Coronary revascularization and Neo-fenestrated pericardial reconstruction: report of a case. <i>Journal of Cardiothoracic Surgery</i> , <b>2015</b> , 10,	1.6	78
95	Design of a Novel Flexible Endoscope-Cardioscope <b>2015</b> ,		5
94	An autologous platelet-rich plasma hydrogel compound restores left ventricular structure, function and ameliorates adverse remodeling in a minimally invasive large animal myocardial restoration model: a translational approach: Vu and Pal "Myocardial Repair: PRP, Hydrogel and Supplements". <i>Biomaterials</i> , <b>2015</b> , 45, 27-35	15.6	29
93	Biomaterials and cells for cardiac tissue engineering <b>2014</b> , 127-179		4
92	The effect of matrix stiffness of injectable hydrogels on the preservation of cardiac function after a heart attack. <i>Biomaterials</i> , <b>2014</b> , 35, 1429-38	15.6	64
91	Fiber optic projection-imaging system for shape measurement in confined space. <i>Scientific World Journal, The</i> , <b>2014</b> , 2014, 206569	2.2	1
90	Is continuation of antiplatelets until coronary artery bypass safe in Asians?. <i>Asian Cardiovascular and Thoracic Annals</i> , <b>2014</b> , 22, 909-18	0.6	1
89	Sutureless aortic valve implantation: first experience in Asia. <i>Singapore Medical Journal</i> , <b>2014</b> , 55, 598-600	0.9	3
88	Post-ischaeamic angiogenic therapy using in vivo prevascularized ascorbic acid-enriched myocardial artificial grafts improves heart function in a rat model. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , <b>2013</b> , 7, 203-12	4.4	8
87	Grafts enriched with subamniotic-cord-lining mesenchymal stem cell angiogenic spheroids induce post-ischemic myocardial revascularization and preserve cardiac function in failing rat hearts. <i>Stem Cells and Development</i> , <b>2013</b> , 22, 3087-99	4.4	20
86	Therapeutic potential of genes in cardiac repair. <i>Expert Review of Cardiovascular Therapy</i> , <b>2013</b> , 11, 1015-28	2.8	2
85	Cord lining-mesenchymal stem cells graft supplemented with an omental flap induces myocardial revascularization and ameliorates cardiac dysfunction in a rat model of chronic ischemic heart failure. <i>Tissue Engineering - Part A</i> , <b>2013</b> , 19, 1303-15	3.9	22
84	Enhanced infarct stabilization and neovascularization mediated by VEGF-loaded PEGylated fibrinogen hydrogel in a rodent myocardial infarction model. <i>Biomaterials</i> , <b>2013</b> , 34, 8195-202	15.6	62
83	Influence of prosthesis type on long-term survival after re-replacement of aortic valve prosthesis. <i>Heart Surgery Forum</i> , <b>2013</b> , 16, E298-302	0.7	1
82	Novel sutureless mitral valve implantation method involving a bayonet insertion and release mechanism: a proof of concept study in pigs. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2012</b> , 143, 985-8	1.5	3
81	Erratum to "Myocardial Restoration: Is It the Cell or the Architecture or Both?" <i>Cardiology Research and Practice</i> , <b>2012</b> , 2012, 1-1	1.9	5

80	Myocardial restoration: is it the cell or the architecture or both?. <i>Cardiology Research and Practice</i> , <b>2012</b> , 2012, 240497	1.9	6
79	New cell therapies in cardiology. <i>Expert Review of Cardiovascular Therapy</i> , <b>2012</b> , 10, 1023-37	2.5	7
78	Adult stem cells for cardiac tissue engineering. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2011</b> , 50, 312-9	5.8	54
77	A novel and simple atrial retractor. <i>Annals of Thoracic Surgery</i> , <b>2011</b> , 91, 1634-5	2.7	2
76	Retraction notice to "Bioartificial grafts for transmural myocardial restoration: a new cardiovascular tissue culture concept" [Eur. J. Cardiothorac. Surg. 24 (2003) 906-11]. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2011</b> , 40, 1555	3	
75	Reply to Ziad Khabbaz. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2011</b> , 39, 140-141	3	
74	Ascorbic acid improves embryonic cardiomyoblast cell survival and promotes vascularization in potential myocardial grafts in vivo. <i>Tissue Engineering - Part A</i> , <b>2010</b> , 16, 1349-61	3.9	23
73	Intra-atrial embolus trapped in patent foramen ovale before systemic embolization. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2010</b> , 139, e49-50	1.5	2
72	Central extracorporeal membrane oxygenation for septic shock in an adult with H1N1 influenza. <i>Annals of Thoracic Surgery</i> , <b>2010</b> , 90, e34-5	2.7	18
71	Off-pump coronary bypass surgery is safe in patients with a low ejection fraction (Heart Surgery Forum, <b>2010</b> , 13, E136-42	0.7	9
70	Aortic root and ascending aortic replacement. <i>International Heart Journal</i> , <b>2009</b> , 50, 47-57	1.8	6
69	Myocardial tissue engineering: the quest for the ideal myocardial substitute. <i>Expert Review of Cardiovascular Therapy</i> , <b>2009</b> , 7, 921-8	2.5	23
68	Off-pump coronary bypass grafting is safe and efficient in patients with left main disease and higher EuroScore. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2009</b> , 36, 616-20	3	12
67	Long-term follow-up after minimal invasive direct coronary artery bypass grafting procedure: a multi-factorial retrospective analysis at 1000 patient-years. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2009</b> , 9, 990-4	1.8	6
66	Factors affecting post minimally invasive direct coronary artery bypass grafting incidence of myocardial infarction, percutaneous transluminal coronary angioplasty, coronary artery bypass grafting and mortality of cardiac origin. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2009</b> , 8, 49-53	1.8	4
65	Determinants of bioartificial myocardial graft survival and engraftment in vivo. <i>Journal of Heart and Lung Transplantation</i> , <b>2008</b> , 27, 1242-50	5.8	3
64	Consequences of incomplete repair of acute type A aortic dissection. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2008</b> , 7, 1121-3	1.8	
63	The minimized extracorporeal circulation system causes less inflammation and organ damage. <i>Perfusion (United Kingdom)</i> , <b>2008</b> , 23, 147-51	1.9	34

62	eComment: radial artery doppler study in every case?. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2008</b> , 7, 800	1.8	1
61	Nonpharmacologic support of the failing right ventricle. <i>Critical Care Medicine</i> , <b>2008</b> , 36, 662	1.4	
60	MRI-based safety evaluation of the ventricle magnetic coronary anastomotic system. <i>Asian Cardiovascular and Thoracic Annals</i> , <b>2007</b> , 15, 24-9	0.6	3
59	Myocardial restoration and tissue engineering of heart structures. <i>Methods in Molecular Medicine</i> , <b>2007</b> , 140, 273-90		5
58	Aortic prosthesis re-replacement due to concealed stenosing subvalvular pannus ring. <i>Thoracic and Cardiovascular Surgeon</i> , <b>2007</b> , 55, 331-2	1.6	
57	In vivo optical bioluminescence imaging of collagen-supported cardiac cell grafts. <i>Journal of Heart and Lung Transplantation</i> , <b>2007</b> , 26, 273-80	5.8	26
56	Dual in vivo magnetic resonance evaluation of magnetically labeled mouse embryonic stem cells and cardiac function at 1.5 t. <i>Magnetic Resonance in Medicine</i> , <b>2006</b> , 55, 203-9	4.4	97
55	Preliminary experience with the mini-extracorporeal circulation system (Medtronic resting heart system). <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2006</b> , 5, 680-2	1.8	15
54	Creatine kinase isoenzyme MB relative index as predictor of mortality on extracorporeal membrane oxygenation support for postcardiotomy cardiogenic shock in adult patients. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2006</b> , 30, 617-20	3	40
53	Collagen matrices enhance survival of transplanted cardiomyoblasts and contribute to functional improvement of ischemic rat hearts. <i>Circulation</i> , <b>2006</b> , 114, 1167-73	16.7	164
52	Allopurinol/uricase and ibuprofen enhance engraftment of cardiomyocyte-enriched human embryonic stem cells and improve cardiac function following myocardial injury. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2006</b> , 29, 50-5	3	51
51	Adenoviral human BCL-2 transgene expression attenuates early donor cell death after cardiomyoblast transplantation into ischemic rat hearts. <i>Circulation</i> , <b>2006</b> , 114, 1174-80	16.7	93
50	Anastomotic obstruction after magnetic vascular coupling after minimally invasive direct coronary artery bypass grafting. <i>Annals of Thoracic Surgery</i> , <b>2006</b> , 81, 728-9	2.7	7
49	Iatrogenic type A dissection after attempted stenting of a descending aortic aneurysm. <i>Annals of Thoracic Surgery</i> , <b>2006</b> , 82, 1523-5	2.7	20
48	Caspase-3 inhibition preserves myocardial geometry and long-term function after infarction. <i>Journal of Surgical Research</i> , <b>2005</b> , 124, 194-200	2.5	23
47	Cyclosporine mitigates graft coronary artery disease in murine cardiac allografts: description and validation of a novel fully allogeneic model. <i>Journal of Heart and Lung Transplantation</i> , <b>2005</b> , 24, 446-53	5.8	7
46	Myocardial restoration with embryonic stem cell bioartificial tissue transplantation. <i>Journal of Heart and Lung Transplantation</i> , <b>2005</b> , 24, 737-44	5.8	80
45	Early inhibition of caspase-3 activity lessens the development of graft coronary artery disease. <i>Journal of Heart and Lung Transplantation</i> , <b>2005</b> , 24, 827-32	5.8	13



44	Ross procedure with a quadricuspid pulmonary autograft. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2005</b> , 130, 212-3	1.5	5
43	Intra-vital fluorescence microscopy for intra-myocardial graft detection following cell transplantation. <i>International Journal of Cardiovascular Imaging</i> , <b>2005</b> , 21, 569-74	2.5	5
42	Stimulation of paracrine pathways with growth factors enhances embryonic stem cell engraftment and host-specific differentiation in the heart after ischemic myocardial injury. <i>Circulation</i> , <b>2005</b> , 111, 2486-93	16.7	75
41	Novel injectable bioartificial tissue facilitates targeted, less invasive, large-scale tissue restoration on the beating heart after myocardial injury. <i>Circulation</i> , <b>2005</b> , 112, 1173-7	16.7	189
40	They are not stealthy in the heart: embryonic stem cells trigger cell infiltration, humoral and T-lymphocyte-based host immune response. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2005</b> , 28, 461-6 <sup>3</sup>		74
39	Long term angiographic monitoring reveals safety and efficacy of the Converge end-to-side anastomotic coupler. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2005</b> , 4, 505-8	1.8	3
38	Giant, free floating tendinous cord in the left ventricle. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2005</b> , 27, 710	3	
37	Embryonic stem cell immunogenicity increases upon differentiation after transplantation into ischemic myocardium. <i>Circulation</i> , <b>2005</b> , 112, 1166-72	16.7	248
36	Overexpression of human copper/zinc superoxide dismutase (SOD1) suppresses ischemia-reperfusion injury and subsequent development of graft coronary artery disease in murine cardiac grafts. <i>Circulation</i> , <b>2004</b> , 110, 11200-6	16.7	62
35	Pulmonary preservation with LPD and celsior solution in porcine lung transplantation after 24 h of cold ischemia. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2004</b> , 26, 151-7	3	11
34	Suppression of graft coronary artery disease by a brief treatment with a selective epsilonPKC activator and a deltaPKC inhibitor in murine cardiac allografts. <i>Circulation</i> , <b>2004</b> , 110, 11194-9	16.7	34
33	Haematopoietic stem cells adopt mature haematopoietic fates in ischaemic myocardium. <i>Nature</i> , <b>2004</b> , 428, 668-73	50.4	1474
32	Replacement of the aortic root for acute prosthetic valve endocarditis: prosthetic composite versus aortic allograft root replacement. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2004</b> , 127, 1416-20	1.5	67
31	Injectable bioartificial myocardial tissue for large-scale intramural cell transfer and functional recovery of injured heart muscle. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2004</b> , 128, 571-8	1.5	102
30	Insulin-like growth factor promotes engraftment, differentiation, and functional improvement after transfer of embryonic stem cells for myocardial restoration. <i>Stem Cells</i> , <b>2004</b> , 22, 1239-45	5.8	122
29	Distinct cell-to-fiber junctions are critical for the establishment of cardiotypical phenotype in a 3D bioartificial environment. <i>Medical Engineering and Physics</i> , <b>2004</b> , 26, 157-63	2.4	6
28	Cardiomyocyte-specific Bcl-2 overexpression attenuates ischemia-reperfusion injury, immune response during acute rejection, and graft coronary artery disease. <i>Blood</i> , <b>2004</b> , 104, 3789-96	2.2	54
27	Impact of ascending aorta replacement combined with a Ross procedure on autograft root distensibility and function in patients with combined pathology of the aortic valve and ascending aorta. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2003</b> , 2, 116-9	1.8	2



26	Bioartificial grafts for transmural myocardial restoration: a new cardiovascular tissue culture concept. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2003</b> , 24, 906-11	3	21
25	Carboxyfluorescein diacetate succinimidyl ester facilitates cell tracing and colocalization studies in bioartificial organ engineering. <i>International Journal of Artificial Organs</i> , <b>2003</b> , 26, 235-40	1.9	8
24	A few critical aspects--and Achilles heels--of tissue engineering approaches to restore injured myocardium. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2003</b> , 126, 2113-4; author reply 2114-6	1.5	6
23	Methylene blue: the drug of choice for catecholamine-refractory vasoplegia after cardiopulmonary bypass?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2003</b> , 125, 1426-31	1.5	133
22	Pulsatile perfusion and cardiomyocyte viability in a solid three-dimensional matrix. <i>Biomaterials</i> , <b>2003</b> , 24, 5009-14	15.6	82
21	Antegrade versus retrograde perfusion of the donor lung: impact on the early reperfusion phase. <i>Transplant International</i> , <b>2003</b> , 16, 801-805	3	12
20	In vivo repopulation of xenogeneic and allogeneic acellular valve matrix conduits in the pulmonary circulation. <i>Annals of Thoracic Surgery</i> , <b>2003</b> , 75, 1457-63; discussion 1463	2.7	67
19	Clinically established hemostatic scaffold (tissue fleece) as biomatrix in tissue- and organ-engineering research. <i>Tissue Engineering</i> , <b>2003</b> , 9, 517-23		32
18	Antegrade versus retrograde perfusion of the donor lung: impact on the early reperfusion phase. <i>Transplant International</i> , <b>2003</b> , 16, 801-5	3	1
17	Generation of Bioartificial Myocardium using Clinically Established Collagen Matrices. <i>International Journal of Artificial Organs</i> , <b>2002</b> , 25, 641-642	1.9	
16	Surfactant function in lung transplantation after 24 hours of ischemia: advantage of retrograde flush perfusion for preservation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2002</b> , 123, 98-103	1.5	46
15	In vitro engineering of heart muscle: artificial myocardial tissue. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2002</b> , 124, 63-9	1.5	120
14	Aortic root reimplantation for successful repair of an insufficient pulmonary autograft valve after the Ross procedure. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2002</b> , 124, 1048-9	1.5	16
13	Traveling after heart transplantation. <i>Clinical Transplantation</i> , <b>2002</b> , 16, 280-4	3.8	18
12	Restoration of blood flow and evaluation of corresponding angiogenic events by scanning electron microscopy after a single dose of VEGF in a model of peripheral vascular disease. <i>Angiogenesis</i> , <b>2002</b> , 5, 87-92	10.6	14
11	A novel bioartificial myocardial tissue and its prospective use in cardiac surgery. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2002</b> , 22, 238-43	3	39
10	Transplanted fetal cardiomyocytes as cardiac pacemaker. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2002</b> , 21, 853-7	3	50
9	Clinical relevance of intracranial high intensity transient signals in patients following prosthetic aortic valve replacement. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2002</b> , 21, 22-6	3	18

8	High Failure Rate After Valve-sparing Aortic Root Replacement Using the Remodeling Technique in Acute Type A Aortic Dissection. <i>Circulation</i> , <b>2002</b> , 106,	16.7	21
7	Reversal of severe vasoplegia with single-dose methylene blue after heart transplantation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2001</b> , 122, 823-4	1.5	57
6	Impact of vascular branching sites on focal progression of allograft vasculopathy in transplanted hearts. <i>Atherosclerosis</i> , <b>2001</b> , 158, 155-60	3.1	6
5	Hemoptysis following left ventricular aneurysm repair: a misleading clinical sign. <i>Chest</i> , <b>2000</b> , 118, 1500-3	3.3	3
4	Minimally invasive coronary artery revascularization on the beating heart. <i>Annals of Thoracic Surgery</i> , <b>2000</b> , 69, 1787-91	2.7	37
3	Early angiographic results after revascularization by minimally invasive direct coronary artery bypass (MIDCAB). <i>European Journal of Cardio-thoracic Surgery</i> , <b>1999</b> , 15, 383-7; discussion 387-8	3	28
2	Transthoracic fistula with erosion of the ascending aorta along an IMA-protecting graft. <i>Annals of Thoracic Surgery</i> , <b>1999</b> , 68, 1853-5	2.7	1
1	Transapical valve technology for aortic stenosis 170-186		