

# Friedhelm Beyersdorf

## List of Publications by Citations

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611  
papers

13,694  
citations

60  
h-index

92  
g-index

745  
ext. papers

17,381  
ext. citations

3  
avg, IF

6.3  
L-index

#	Paper	IF	Citations
611	Endoluminal stent-grafts for infrarenal abdominal aortic aneurysms. <i>New England Journal of Medicine</i> , <b>1997</b> , 336, 13-20	59.2	606
610	Surgical ventricular restoration in the treatment of congestive heart failure due to post-infarction ventricular dilation. <i>Journal of the American College of Cardiology</i> , <b>2004</b> , 44, 1439-45	15.1	344
609	Non-surgical bleeding in patients with ventricular assist devices could be explained by acquired von Willebrand disease. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2008</b> , 33, 679-84	3	267
608	The German Aortic Valve Registry (GARY): in-hospital outcome. <i>European Heart Journal</i> , <b>2014</b> , 35, 1588-98	9.5	245
607	2021 ESC/EACTS Guidelines for the management of valvular heart disease. <i>European Heart Journal</i> , <b>2021</b> ,	9.5	226
606	Percutaneous coronary intervention versus coronary artery bypass grafting in patients with three-vessel or left main coronary artery disease: 10-year follow-up of the multicentre randomised controlled SYNTAX trial. <i>Lancet, The</i> , <b>2019</b> , 394, 1325-1334	40	206
605	Gene expression of brain natriuretic peptide in isolated atrial and ventricular human myocardium: influence of angiotensin II and diastolic fiber length. <i>Circulation</i> , <b>2000</b> , 102, 3074-9	16.7	190
604	Fully Magnetically Levitated Left Ventricular Assist System for Treating Advanced HF: A Multicenter Study. <i>Journal of the American College of Cardiology</i> , <b>2015</b> , 66, 2579-2589	15.1	163
603	Healthcare-associated prosthetic heart valve, aortic vascular graft, and disseminated <i>Mycobacterium chimaera</i> infections subsequent to open heart surgery. <i>European Heart Journal</i> , <b>2015</b> , 36, 2745-53	9.5	156
602	Acquired von Willebrand syndrome in patients with extracorporeal life support (ECLS). <i>Intensive Care Medicine</i> , <b>2012</b> , 38, 62-8	14.5	150
601	Effect of Availability of Transcatheter Aortic-Valve Replacement on Clinical Practice. <i>New England Journal of Medicine</i> , <b>2015</b> , 373, 2438-47	59.2	144
600	STUDIES OF CONTROLLED REPERFUSION AFTER ISCHEMIA. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>1986</b> , 92, 621-635	1.5	139
599	The Impella Recover microaxial left ventricular assist device reduces mortality for postcardiotomy failure: a three-center experience. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2004</b> , 127, 812-22	1.5	131
598	The German Aortic Valve Registry: 1-year results from 13,680 patients with aortic valve disease. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2014</b> , 46, 808-16	3	124
597	Prosthesis oversizing in balloon-expandable transcatheter aortic valve implantation is associated with contained rupture of the aortic root. <i>Circulation: Cardiovascular Interventions</i> , <b>2012</b> , 5, 540-8	6	119
596	How does the ascending aorta geometry change when it dissects?. <i>Journal of the American College of Cardiology</i> , <b>2014</b> , 63, 1311-1319	15.1	116
595	Increased systemic perfusion pressure during cardiopulmonary bypass is associated with less early postoperative cognitive dysfunction and delirium. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2011</b> , 40, 200-7	3	115

594	Mechanisms of symptomatic spinal cord ischemia after TEVAR: insights from the European Registry of Endovascular Aortic Repair Complications (EuREC). <i>Journal of Endovascular Therapy</i> , <b>2012</b> , 19, 37-43	2.5	114
593	Influence of mild hypothermia on myocardial contractility and circulatory function. <i>Basic Research in Cardiology</i> , <b>2001</b> , 96, 198-205	11.8	107
592	Aneurysms of the pulmonary artery. <i>Circulation</i> , <b>2015</b> , 131, 310-6	16.7	106
591	Percutaneous aortic valve replacement: an experimental study. I. Studies on implantation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2002</b> , 123, 768-76	1.5	104
590	Feasibility and exploratory efficacy evaluation of the Embrella Embolic Deflector system for the prevention of cerebral emboli in patients undergoing transcatheter aortic valve replacement: the PROTAVI-C pilot study. <i>JACC: Cardiovascular Interventions</i> , <b>2014</b> , 7, 1146-55	5	98
589	Perioperative management to improve neurologic outcome in thoracic or thoracoabdominal aortic stent-grafting. <i>Annals of Thoracic Surgery</i> , <b>2006</b> , 82, 1679-87	2.7	93
588	Implantable left ventricular assist device for treatment of pulmonary hypertension in candidates for orthotopic heart transplantation-a preliminary study. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2004</b> , 25, 971-7	3	93
587	Acute aortic dissection type A: age-related management and outcomes reported in the German Registry for Acute Aortic Dissection Type A (GERAADA) of over 2000 patients. <i>Annals of Surgery</i> , <b>2014</b> , 259, 598-604	7.8	92
586	Acquired von Willebrand syndrome in patients with ventricular assist device or total artificial heart. <i>Thrombosis and Haemostasis</i> , <b>2010</b> , 103, 962-7	7	87
585	Acetylcholine release in human heart atrium: influence of muscarinic autoreceptors, diabetes, and age. <i>Circulation</i> , <b>2001</b> , 103, 1638-43	16.7	83
584	Superiority of controlled surgical reperfusion versus percutaneous transluminal coronary angioplasty in acute coronary occlusion. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>1993</b> , 105, 864-884	1.5	81
583	Heartmate 3 fully magnetically levitated left ventricular assist device for the treatment of advanced heart failure -1 year results from the Ce mark trial. <i>Journal of Cardiothoracic Surgery</i> , <b>2017</b> , 12, 23	1.6	79
582	3D MRI flow analysis in an in-vitro system modelling continuous left ventricular support: effect of cannula position in the thoracic aorta. <i>Journal of Cardiovascular Magnetic Resonance</i> , <b>2012</b> , 14,	6.9	78
581	Corrigendum to [Impact Factor 1.112 for Interactive CardioVascular and Thoracic Surgery: a well-deserved recognition for all contributors][Interact CardioVasc Thorac Surg 17 (2013) 601-602]. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2013</b> , 17, 1063-1063	1.8	78
580	Impact factor for ICVTS expected in 2013. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2012</b> , 15, 943-948	1.8	78
579	Avoiding reperfusion injury after limb revascularization: Experimental observations and recommendations for clinical application. <i>Journal of Vascular Surgery</i> , <b>1989</b> , 9, 757-766	3.5	78
578	Two-center German experience with aortic endografting. <i>Journal of Endovascular Therapy</i> , <b>1997</b> , 4, 137-46		78
577	Haemolysis in patients with ventricular assist devices: major differences between systems. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2009</b> , 36, 580-4	3	75

576	Glucose-insulin-potassium in cardiac surgery: a meta-analysis. <i>Annals of Thoracic Surgery</i> , <b>2004</b> , 78, 1650-7	7.7	75
575	Assessment of aortic annulus dimensions for Edwards SAPIEN Transapical Heart Valve implantation by computed tomography: calculating average diameter using a virtual ring method. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2010</b> , 38, 750-8	3	74
574	Cardiopulmonary bypass reduction of bronchial blood flow: a potential mechanism for lung injury in a neonatal pig model. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2002</b> , 123, 1199-205	1.5	74
573	Acute type A aortic dissection extending beyond ascending aorta: Limited or extensive distal repair. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2014</b> , 148, 949-54; discussion 954	1.5	73
572	High-dose tranexamic acid is related to increased risk of generalized seizures after aortic valve replacement. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2011</b> , 39, e114-21	3	73
571	Fluid-dynamic modeling of the human left ventricle: methodology and application to surgical ventricular reconstruction. <i>Annals of Thoracic Surgery</i> , <b>2009</b> , 87, 1187-95	2.7	73
570	Time-resolved three-dimensional magnetic resonance velocity mapping of cardiovascular flow paths in volunteers and patients with Fontan circulation. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2011</b> , 39, 206-12	3	70
569	The German Aortic Valve Registry (GARY): a nationwide registry for patients undergoing invasive therapy for severe aortic valve stenosis. <i>Thoracic and Cardiovascular Surgeon</i> , <b>2012</b> , 60, 319-25	1.6	69
568	Increased levels of circulating microparticles in patients with severe aortic valve stenosis. <i>Thrombosis and Haemostasis</i> , <b>2008</b> , 99, 711-9	7	69
567	The everyday used nomenclature of the aortic root components: the tower of Babel?. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2012</b> , 41, 478-82	3	67
566	Enhanced microparticles in ventricular assist device patients predict platelet, leukocyte and endothelial cell activation. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2010</b> , 11, 133-7	1.8	67
565	Endovascular aortic arch repair after aortic arch de-branching. <i>Annals of Thoracic Surgery</i> , <b>2009</b> , 87, 603-7	7.7	67
564	Myoblast-seeded biodegradable scaffolds to prevent post-myocardial infarction evolution toward heart failure. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2006</b> , 132, 124-31	1.5	67
563	New insights regarding the incidence, presentation and treatment options of aorto-oesophageal fistulation after thoracic endovascular aortic repair: the European Registry of Endovascular Aortic Repair Complications. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2014</b> , 45, 452-7	3	65
562	EuroSCORE overestimates the risk of cardiac surgery: results from the national registry of the German Society of Thoracic and Cardiovascular Surgery. <i>Clinical Research in Cardiology</i> , <b>2009</b> , 98, 363-9	6.1	65
561	Surgical ventricular restoration: the RESTORE Group experience. <i>Heart Failure Reviews</i> , <b>2004</b> , 9, 287-97	5	65
560	Global Unmet Needs in Cardiac Surgery. <i>Global Heart</i> , <b>2018</b> , 13, 293-303	2.9	65
559	Type A aortic dissection in Marfan syndrome: extent of initial surgery determines long-term outcome. <i>Circulation</i> , <b>2014</b> , 129, 1381-6	16.7	62

558	Results with SynCardia total artificial heart beyond 1 year. <i>ASAIO Journal</i> , <b>2014</b> , 60, 626-34	3.6	61
557	Cardiac surgery in Germany during 2010: a report on behalf of the German Society for Thoracic and Cardiovascular Surgery. <i>Thoracic and Cardiovascular Surgeon</i> , <b>2011</b> , 59, 259-67	1.6	60
556	Integrated myocardial management: background and initial application. <i>Journal of Cardiac Surgery</i> , <b>1995</b> , 10, 68-89	1.3	60
555	Patients at low surgical risk as defined by the Society of Thoracic Surgeons Score undergoing isolated interventional or surgical aortic valve implantation: in-hospital data and 1-year results from the German Aortic Valve Registry (GARY). <i>European Heart Journal</i> , <b>2019</b> , 40, 1323-1330	9.5	60
554	2021 ESC/EACTS Guidelines for the management of valvular heart disease. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2021</b> , 60, 727-800	3	60
553	Flow-sensitive four-dimensional magnetic resonance imaging: flow patterns in ascending aortic aneurysms. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2008</b> , 34, 11-6	3	59
552	The Jarvik 2000 is associated with less infections than the HeartMate left ventricular assist device. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2003</b> , 23, 748-54; discussion 754-5	3	59
551	TAVI for low-flow, low-gradient severe aortic stenosis with preserved or reduced ejection fraction: a subgroup analysis from the German Aortic Valve Registry (GARY). <i>EuroIntervention</i> , <b>2014</b> , 10, 850-9	3.1	59
550	Orthotopic branched endovascular aortic arch repair in patients who cannot undergo classical surgery. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2018</b> , 53, 1007-1012	3	57
549	Serious complications that require surgical interventions after endoluminal stent-graft placement for the treatment of infrarenal aortic aneurysms. <i>Journal of Vascular Surgery</i> , <b>2001</b> , 34, 198-203	3.5	56
548	Long-term evaluation of a fully magnetically levitated circulatory support device for advanced heart failure-two-year results from the HeartMate 3 CE Mark Study. <i>European Journal of Heart Failure</i> , <b>2019</b> , 21, 90-97	12.3	55
547	Preoperative assessment of aortic annulus dimensions: comparison of noninvasive and intraoperative measurement. <i>Annals of Thoracic Surgery</i> , <b>2011</b> , 91, 709-14	2.7	55
546	Bronchial artery perfusion during cardiopulmonary bypass does not prevent ischemia of the lung in piglets: assessment of bronchial artery blood flow with fluorescent microspheres. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2001</b> , 19, 326-31; discussion 331-2	3	55
545	MEDOS HIA-VAD biventricular assist device for bridge to recovery in fulminant myocarditis. <i>Annals of Thoracic Surgery</i> , <b>1997</b> , 63, 1145-6	2.7	54
544	Mechanical reliability of the Jarvik 2000 Heart. <i>Annals of Thoracic Surgery</i> , <b>2006</b> , 81, 1752-8; discussion 1758-9	2.7	54
543	Cystic medial degeneration of the aorta is associated with p53 accumulation, Bax upregulation, apoptotic cell death, and cell proliferation. <i>Heart</i> , <b>1999</b> , 82, 286-93	5.1	52
542	Wound complications after median sternotomy: a single-centre study. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2013</b> , 16, 643-8	1.8	51
541	Warm glutamate/aspartate-enriched blood cardioplegic solution for perioperative sudden death. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>1992</b> , 104, 1141-1147	1.5	51

540	Supracoronary ascending aortic replacement in patients with acute aortic dissection type A: what happens to the aortic root in the long run?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2013</b> , 146, 285-90	1.5	50
539	Cardiopulmonary bypass: Evidence or experience based?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2002</b> , 124, 20-7	1.5	50
538	Implantation of the permanent Jarvik-2000 left ventricular assist device: a single-center experience. <i>Journal of the American College of Cardiology</i> , <b>2002</b> , 39, 1764-72	15.1	49
537	Acute non-A non-B aortic dissection: incidence, treatment and outcome. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2017</b> , 52, 1111-1117	3	48
536	The use of controlled reperfusion strategies in cardiac surgery to minimize ischaemia/reperfusion damage. <i>Cardiovascular Research</i> , <b>2009</b> , 83, 262-8	9.9	47
535	Position article for the use of extracorporeal life support in adult patients. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2011</b> , 40, 676-80	3	47
534	Pulsatile pulmonary perfusion during cardiopulmonary bypass reduces the pulmonary inflammatory response. <i>Annals of Thoracic Surgery</i> , <b>2008</b> , 86, 115-22	2.7	47
533	Platelet dysfunction and acquired von Willebrand syndrome in patients with left ventricular assist devices. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2015</b> , 48, 421-7	3	45
532	Safety of Simultaneous Coronary Artery Bypass Grafting and Carotid Endarterectomy Versus Isolated Coronary Artery Bypass Grafting: A Randomized Clinical Trial. <i>Stroke</i> , <b>2017</b> , 48, 2769-2775	6.7	45
531	Double tunnel technique for the LVAD driveline: improved management regarding driveline infections. <i>Journal of Artificial Organs</i> , <b>2012</b> , 15, 44-8	1.8	45
530	Adrenergic Repression of the Epigenetic Reader MeCP2 Facilitates Cardiac Adaptation in Chronic Heart Failure. <i>Circulation Research</i> , <b>2015</b> , 117, 622-33	15.7	44
529	Extracorporeal membranous oxygenation support for acute fulminant myocarditis: analysis of a single center's experience. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2011</b> , 40, 682-8	3	44
528	Cardiac surgery in Germany during 2009. A report on behalf of the German Society for Thoracic and Cardiovascular Surgery. <i>Thoracic and Cardiovascular Surgeon</i> , <b>2010</b> , 58, 379-86	1.6	43
527	Lymph angiogenesis after lung transplantation and relation to acute organ rejection in humans. <i>Annals of Thoracic Surgery</i> , <b>2010</b> , 90, 406-11	2.7	43
526	Iatrogenic acute aortic dissection type A: insight from the German Registry for Acute Aortic Dissection Type A (GERAADA). <i>European Journal of Cardio-thoracic Surgery</i> , <b>2013</b> , 44, 353-9; discussion 359	3	41
525	Outcome after surgery for acute aortic dissection type A in patients over 70 years: data analysis from the German Registry for Acute Aortic Dissection Type A (GERAADA). <i>European Journal of Cardio-thoracic Surgery</i> , <b>2011</b> , 40, 435-40	3	41
524	Fate of the dissected aortic arch after ascending replacement in type A aortic dissection. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2017</b> , 51, 1127-1134	3	40
523	Improved durability of the HeartMate XVE left ventricular assist device provides safe mechanical support up to 1 year but is associated with high risk of device failure in the second year. <i>Journal of Heart and Lung Transplantation</i> , <b>2006</b> , 25, 384-90	5.8	40

522	Trans-apical aortic valve implantation using a new self-expandable bioprosthesis: initial outcomes. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2011</b> , 40, 1114-9	3	39
521	Sudden cardiac death: directing the scope of resuscitation towards the heart and brain. <i>Resuscitation</i> , <b>2006</b> , 70, 44-51	4	39
520	In vivo analysis of aortic valve dynamics by transesophageal 3-dimensional echocardiography with high temporal resolution. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2003</b> , 125, 1412-9	1.5	39
519	To STICH or not to STICH: we know the answer, but do we understand the question?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2005</b> , 129, 246-9	1.5	39
518	The frozen elephant trunk technique for the treatment of acute complicated Type B aortic dissection. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2018</b> , 53, 525-530	3	38
517	Operative techniques in patients with type A dissection complicated by cerebral malperfusion. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2014</b> , 46, 156-66	3	38
516	Immediate functional benefits after controlled reperfusion during surgical revascularization for acute coronary occlusion. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>1991</b> , 102, 856-866	1.5	38
515	Incidence of neurological complications following overstenting of the left subclavian artery. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2007</b> , 31, 628-36	3	37
514	Successful orthotopic pig heart transplantation from non-heart-beating donors. <i>Journal of Heart and Lung Transplantation</i> , <b>1999</b> , 18, 597-606	5.8	37
513	Advanced heart failure: feasibility study of long-term continuous axial flow pump support. <i>European Heart Journal</i> , <b>2005</b> , 26, 1031-8	9.5	36
512	Therapy with insulin in cardiac surgery: controversies and possible solutions. <i>Annals of Thoracic Surgery</i> , <b>2003</b> , 75, S721-8	2.7	36
511	Transmyocardial laser revascularization (TMLR) in patients with unstable angina and low ejection fraction. <i>European Journal of Cardio-thoracic Surgery</i> , <b>1998</b> , 13, 21-6	3	36
510	Current Results of Surgical Aortic Valve Replacement: Insights From the German Aortic Valve Registry. <i>Annals of Thoracic Surgery</i> , <b>2016</b> , 101, 658-66	2.7	35
509	Protection of the ischemic skeletal muscle. <i>Thoracic and Cardiovascular Surgeon</i> , <b>1991</b> , 39, 19-28	1.6	35
508	Standards of reporting in open and endovascular aortic surgery (STORAGE guidelines). <i>European Journal of Cardio-thoracic Surgery</i> , <b>2019</b> , 56, 10-20	3	34
507	How does descending aorta geometry change when it dissects?. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2018</b> , 53, 815-821	3	34
506	Geometric ring annuloplasty as an adjunct to aortic valve repair: clinical investigation of the HAART 300 device. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2016</b> , 49, 987-93	3	34
505	Controlled reperfusion after acute and persistent limb ischemia. <i>Seminars in Vascular Surgery</i> , <b>2009</b> , 22, 52-7	1.2	34

504	Collateral growth: cells arrive at the construction site. <i>Vascular</i> , <b>2002</b> , 10, 570-8		34
503	Quality of Life After Transcatheter Aortic Valve Replacement: Prospective Data From GARY (German Aortic Valve Registry). <i>JACC: Cardiovascular Interventions</i> , <b>2016</b> , 9, 2541-2554	5	34
502	The "ten commandments" for the 2021 ESC/EACTS Guidelines on valvular heart disease. <i>European Heart Journal</i> , <b>2021</b> , 42, 4207-4208	9.5	34
501	Platelet Secretion Defects and Acquired von Willebrand Syndrome in Patients With Ventricular Assist Devices. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7,	6	33
500	Cardioplegia in pediatric cardiac surgery: do we believe in magic?. <i>Annals of Thoracic Surgery</i> , <b>2003</b> , 75, 1668-77	2.7	33
499	True-lumen and false-lumen diameter changes in the downstream aorta after frozen elephant trunk implantation. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2018</b> , 54, 375-381	3	32
498	Successful resuscitation after prolonged periods of cardiac arrest: a new field in cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2010</b> , 139, 1325-32, 1332.e1-2	1.5	32
497	Clinical evaluation of hypothermic ventricular fibrillation, multi-dose blood cardioplegia, and single-dose Bretschneider cardioplegia in coronary surgery. <i>Thoracic and Cardiovascular Surgeon</i> , <b>1990</b> , 38, 20-9	1.6	32
496	Studies on prolonged acute regional ischemia. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>1989</b> , 98, 567-579	1.5	32
495	Aortic reinterventions after the frozen elephant trunk procedure. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2020</b> , 159, 392-399.e1	1.5	32
494	The JUPITER registry: 1-year results of transapical aortic valve implantation using a second-generation transcatheter heart valve in patients with aortic stenosis. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2016</b> , 50, 874-881	3	31
493	Circulating endothelin in patients undergoing coronary artery bypass grafting. <i>European Journal of Cardio-thoracic Surgery</i> , <b>1995</b> , 9, 269-74	3	31
492	Multicentre experience with two frozen elephant trunk prostheses in the treatment of acute aortic dissection. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2019</b> , 56, 572-578	3	30
491	Thoracoabdominal aortic aneurysm repair: interplay of spinal cord protecting modalities. <i>European Journal of Vascular and Endovascular Surgery</i> , <b>2005</b> , 30, 624-31	2.3	30
490	Changing patterns of patients undergoing emergency surgical revascularization for acute coronary occlusion. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>1993</b> , 106, 137-148	1.5	30
489	Aortic dissection reconsidered: type, entry site, malperfusion classification adding clarity and enabling outcome prediction. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2020</b> , 30, 451-457	1.8	30
488	Unilateral pulmonary oedema after minimally invasive cardiac surgery via right anterolateral minithoracotomy. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2015</b> , 47, 1097-102	3	29
487	Surgical Treatment of Native and Prosthetic Aortic Infection With Xenopericardial Tube Grafts. <i>Annals of Thoracic Surgery</i> , <b>2018</b> , 106, 498-504	2.7	29



486	Human neonatal thymus-derived mesenchymal stromal cells: characterization, differentiation, and immunomodulatory properties. <i>Tissue Engineering - Part A</i> , <b>2009</b> , 15, 1787-96	3.9	29
485	Stem cells used for cardiovascular tissue engineering. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2008</b> , 34, 242-7	3	29
484	Prediction of mortality rate in acute type A dissection: the German Registry for Acute Type A Aortic Dissection score. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2020</b> , 58, 700-706	3	28
483	Multicentre clinical trial experience with the HeartMate 3 left ventricular assist device: 30-day outcomes. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2016</b> , 50, 548-54	3	28
482	Ablation of biglycan attenuates cardiac hypertrophy and fibrosis after left ventricular pressure overload. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2016</b> , 101, 145-155	5.8	28
481	An implantable optical blood pressure sensor based on pulse transit time. <i>Biomedical Microdevices</i> , <b>2013</b> , 15, 73-81	3.7	28
480	Alterations of cross-bridge kinetics in human atrial and ventricular myocardium. <i>Cardiovascular Research</i> , <b>1998</b> , 40, 580-90	9.9	28
479	Myxoma of the mitral valve: diagnosis by 2-dimensional and 3-dimensional echocardiography. <i>Journal of the American Society of Echocardiography</i> , <b>1999</b> , 12, 773-6	5.8	28
478	Right ventricular function after aortic valve replacement: a pilot study comparing surgical and transcatheter procedures using 3D echocardiography. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2016</b> , 49, 966-71	3	27
477	Histologic findings of transmural laser channels after two hours. <i>Annals of Thoracic Surgery</i> , <b>1998</b> , 65, 1437-9	2.7	27
476	Neurophysiological monitoring during thoracoabdominal aortic endovascular stent graft implantation. <i>European Journal of Cardio-thoracic Surgery</i> , <b>2006</b> , 29, 392-6	3	27
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