

Volkmar Falk

List of Publications by Year in descending order

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Version: 2024-02-01

276
papers

46,006
citations

81743

39
h-index

1851

209
g-index

283
all docs

283
docs citations

283
times ranked

38543
citing authors

#	ARTICLE	IF	CITATIONS
1	2016 ESC Guidelines for the diagnosis and treatment of acute and chronic heart failure. European Heart Journal, 2016, 37, 2129-2200.	1.0	13,008
2	2016 ESC Guidelines for the diagnosis and treatment of acute and chronic heart failure. European Journal of Heart Failure, 2016, 18, 891-975.	2.9	5,272
3	2017 ESC/EACTS Guidelines for the management of valvular heart disease. European Heart Journal, 2017, 38, 2739-2791.	1.0	5,142
4	2018 ESC/EACTS Guidelines on myocardial revascularization. European Heart Journal, 2019, 40, 87-165.	1.0	4,537
5	2014 ESC/EACTS Guidelines on myocardial revascularization. European Heart Journal, 2014, 35, 2541-2619.	1.0	4,141
6	2014 ESC Guidelines on the diagnosis and treatment of aortic diseases. European Heart Journal, 2014, 35, 2873-2926.	1.0	3,549
7	2014 ESC/EACTS Guidelines on myocardial revascularization. European Journal of Cardio-thoracic Surgery, 2014, 46, 517-592.	0.6	2,164
8	Guidelines on the management of valvular heart disease (version 2012). European Journal of Cardio-thoracic Surgery, 2012, 42, S1-S44.	0.6	1,313
9	2017 ESC/EACTS Guidelines for the management of valvular heart disease. European Journal of Cardio-thoracic Surgery, 2017, 52, 616-664.	0.6	510
10	Contemporary management of acute right ventricular failure: a statement from the Heart Failure Association and the Working Group on Pulmonary Circulation and Right Ventricular Function of the European Society of Cardiology. European Journal of Heart Failure, 2016, 18, 226-241.	2.9	455
11	Prolonged Outbreak of Mycobacterium chimaera Infection After Open-Chest Heart Surgery. Clinical Infectious Diseases, 2015, 61, 67-75.	2.9	336
12	Minimally Invasive versus Conventional Open Mitral Valve Surgery a Meta-Analysis and Systematic Review. Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery, 2011, 6, 84-103.	0.4	272
13	Minimal invasive mitral valve repair for mitral regurgitation: results of 1339 consecutive patients. European Journal of Cardio-thoracic Surgery, 2008, 34, 760-765.	0.6	260
14	Effect of ultra-short-term treatment of patients with iron deficiency or anaemia undergoing cardiac surgery: a prospective randomised trial. Lancet, The, 2019, 393, 2201-2212.	6.3	250
15	Machine learning for real-time prediction of complications in critical care: a retrospective study. Lancet Respiratory Medicine, the, 2018, 6, 905-914.	5.2	226
16	Healthcare-associated prosthetic heart valve, aortic vascular graft, and disseminated Mycobacterium chimaera infections subsequent to open heart surgery. European Heart Journal, 2015, 36, 2745-2753.	1.0	216
17	How does the use of polytetrafluoroethylene neochordae for posterior mitral valve prolapse (loop) Tj ETQq1 1 0.784314 rgBT /Overlook Cardiovascular Surgery, 2008, 136, 1200-1206.	0.4	187
18	Transcatheter Implantation of Homologous Off-the-Shelf Tissue-Engineered Heart Valves With Self-Repair Capacity. Journal of the American College of Cardiology, 2014, 63, 1320-1329.	1.2	170

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19	Next-generation tissue-engineered heart valves with repair, remodelling and regeneration capacity. <i>Nature Reviews Cardiology</i> , 2021, 18, 92-116.	6.1	128
20	Comparison of outcomes of minimally invasive mitral valve surgery for posterior, anterior and bileaflet prolapse†. <i>European Journal of Cardio-thoracic Surgery</i> , 2009, 36, 532-538.	0.6	122
21	Diagnosis and Treatment Algorithm for Blood Flow Obstructions in Patients With Left Ventricular Assist Device. <i>Journal of the American College of Cardiology</i> , 2016, 67, 2758-2768.	1.2	117
22	Safe, effective and durable epicardial left atrial appendage clip occlusion in patients with atrial fibrillation undergoing cardiac surgery: first long-term results from a prospective device trial. <i>European Journal of Cardio-thoracic Surgery</i> , 2014, 45, 126-131.	0.6	114
23	Mitral valve surgery: Right lateral minithoracotomy or sternotomy? A systematic review and meta-analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 1989-1995.e4.	0.4	106
24	Interventional Treatment of Severe Tricuspid Regurgitation. <i>Circulation: Cardiovascular Interventions</i> , 2018, 11, e006061.	1.4	101
25	Standards defining a "Heart Valve Centre™": ESC Working Group on Valvular Heart Disease and European Association for Cardiothoracic Surgery Viewpoint. <i>European Heart Journal</i> , 2017, 38, 2177-2183.	1.0	83
26	Iron deficiency is associated with higher mortality in patients undergoing cardiac surgery: a prospective study. <i>British Journal of Anaesthesia</i> , 2020, 124, 25-34.	1.5	76
27	Surgical and interventional management of mitral valve regurgitation: a position statement from the European Society of Cardiology Working Groups on Cardiovascular Surgery and Valvular Heart Disease. <i>European Heart Journal</i> , 2016, 37, 133-139.	1.0	75
28	Left ventricular vs. biventricular mechanical support: Decision making and strategies for avoidance of right heart failure after left ventricular assist device implantation. <i>International Journal of Cardiology</i> , 2015, 198, 241-250.	0.8	68
29	Safety and efficacy of a repositionable and fully retrievable aortic valve used in routine clinical practice: the RESPOND Study. <i>European Heart Journal</i> , 2017, 38, 3359-3366.	1.0	68
30	Epicardial left atrial appendage AtriClip occlusion reduces the incidence of stroke in patients with atrial fibrillation undergoing cardiac surgery. <i>Europace</i> , 2018, 20, e105-e114.	0.7	68
31	A Soft Total Artificial Heart"First Concept Evaluation on a Hybrid Mock Circulation. <i>Artificial Organs</i> , 2017, 41, 948-958.	1.0	67
32	Deep-learning-based real-time prediction of acute kidney injury outperforms human predictive performance. <i>Npj Digital Medicine</i> , 2020, 3, 139.	5.7	65
33	Influence of Inflow Cannula Length in Axial-flow Pumps on Neurologic Adverse Event Rate: Results From a Multi-center Analysis. <i>Journal of Heart and Lung Transplantation</i> , 2008, 27, 253-260.	0.3	63
34	Toward a Rational Design of Surface Textures Promoting Endothelialization. <i>Nano Letters</i> , 2014, 14, 1069-1079.	4.5	61
35	Considerations for the choice between coronary artery bypass grafting and percutaneous coronary intervention as revascularization strategies in major categories of patients with stable multivessel coronary artery disease: an accompanying article of the task force of the 2018 ESC/EACTS guidelines on myocardial revascularization. <i>European Heart Journal</i> , 2019, 40, 204-212.	1.0	59
36	Minimally Invasive Surgical Mitral Valve Repair: State of the Art Review. <i>Interventional Cardiology Review</i> , 2017, 13, 14.	0.7	56

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37	Myocardial Revascularization Trials. <i>Circulation</i> , 2018, 138, 2943-2951.	1.6	46
38	Microengineered biosynthesized cellulose as anti-fibrotic in vivo protection for cardiac implantable electronic devices. <i>Biomaterials</i> , 2020, 229, 119583.	5.7	45
39	Left Ventricular Assist Devices: Challenges Toward Sustaining Long-Term Patient Care. <i>Annals of Biomedical Engineering</i> , 2017, 45, 1836-1851.	1.3	42
40	Incidence of acute type A aortic dissection in emergency departments. <i>Scientific Reports</i> , 2020, 10, 7434.	1.6	42
41	Transcatheter aortic valve replacement for pure aortic valve regurgitation: "on-label" versus "off-label" use of TAVR devices. <i>Clinical Research in Cardiology</i> , 2019, 108, 921-930.	1.5	41
42	The influence of surface micro-structure on endothelialization under supraphysiological wall shear stress. <i>Biomaterials</i> , 2014, 35, 8479-8486.	5.7	40
43	Biventricular support using 2 HeartMate 3 pumps. <i>Journal of Heart and Lung Transplantation</i> , 2016, 35, 1268-1270.	0.3	40
44	Adverse events while awaiting myocardial revascularization: a systematic review and meta-analysis. <i>European Journal of Cardio-thoracic Surgery</i> , 2017, 52, 206-217.	0.6	39
45	Which patients with aortic stenosis should be referred to surgery rather than transcatheter aortic valve implantation?. <i>European Heart Journal</i> , 2022, 43, 2729-2750.	1.0	38
46	Strategy for surgical correction and mitigation of outflow graft twist with a centrifugal-flow left ventricular assist system. <i>Journal of Heart and Lung Transplantation</i> , 2018, 37, 670-673.	0.3	36
47	Interventional and surgical occlusion of the left atrial appendage. <i>Nature Reviews Cardiology</i> , 2017, 14, 727-743.	6.1	35
48	Towards a Novel Patch Material for Cardiac Applications: Tissue-Specific Extracellular Matrix Introduces Essential Key Features to Decellularized Amniotic Membrane. <i>International Journal of Molecular Sciences</i> , 2018, 19, 1032.	1.8	34
49	Temporary mechanical circulatory support for refractory heart failure: the German Heart Center Berlin experience. <i>Annals of Cardiothoracic Surgery</i> , 2019, 8, 76-83.	0.6	34
50	Characteristics of Contemporary Randomized Clinical Trials and Their Association With the Trial Funding Source in Invasive Cardiovascular Interventions. <i>JAMA Internal Medicine</i> , 2020, 180, 993.	2.6	34
51	Outcomes from a recovery protocol for patients with continuous-flow left ventricular assist devices. <i>Journal of Heart and Lung Transplantation</i> , 2019, 38, 440-448.	0.3	33
52	Decellularized amniotic membrane attenuates postinfarct left ventricular remodeling. <i>Journal of Surgical Research</i> , 2016, 200, 409-419.	0.8	31
53	Acute type A aortic dissection: Aortic Dissection Detection Risk Score in emergency care " surgical delay because of initial misdiagnosis. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2020, 9, S40-S47.	0.4	31
54	Safety and efficacy of cardiopoietic stem cells in the treatment of post-infarction left-ventricular dysfunction " From cardioprotection to functional repair in a translational pig infarction model. <i>Biomaterials</i> , 2017, 122, 48-62.	5.7	28

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55	Late post-pump blood flow obstruction in a novel left ventricular assist device: The unusual case of a twisted outflow graft. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018, 155, e33-e35.	0.4	28
56	Rehabilitation after TAVI compared to surgical aortic valve replacement. <i>International Journal of Cardiology</i> , 2014, 173, 564-566.	0.8	27
57	EACTS clinical statement: guidance for the provision of adult cardiac surgery: Table 1:. <i>European Journal of Cardio-thoracic Surgery</i> , 2016, 50, 1006-1009.	0.6	27
58	Moderate hypothermia during <i>ex vivo</i> machine perfusion promotes recovery of hearts donated after cardiocirculatory death. <i>European Journal of Cardio-thoracic Surgery</i> , 2016, 49, 25-31.	0.6	27
59	Predictors of mid-term outcomes in patients undergoing implantation of a ventricular assist device directly after extracorporeal life support. <i>European Journal of Cardio-thoracic Surgery</i> , 2019, 55, 773-779.	0.6	27
60	The AngioVac system as a bail-out option in infective valve endocarditis. <i>Annals of Cardiothoracic Surgery</i> , 2019, 8, 675-677.	0.6	26
61	Human mesenchymal stromal cells and derived extracellular vesicles: Translational strategies to increase their proangiogenic potential for the treatment of cardiovascular disease. <i>Stem Cells Translational Medicine</i> , 2020, 9, 1558-1569.	1.6	26
62	Use of Extracellular Matrix Materials in Patients with Endocarditis. <i>Thoracic and Cardiovascular Surgeon</i> , 2014, 62, 076-079.	0.4	25
63	Long-term results after the Ross procedure with the decellularized AutoTissue Matrix PÂ® bioprosthesis used for pulmonary valve replacement. <i>European Journal of Cardio-thoracic Surgery</i> , 2019, 55, 885-892.	0.6	25
64	Surviving 20 Years After Heart Transplantation: A Success Story. <i>Annals of Thoracic Surgery</i> , 2014, 97, 499-504.	0.7	24
65	Open vs. Minimally Invasive Mitral Valve Surgery: Surgical Technique, Indications and Results. <i>Cardiovascular Engineering and Technology</i> , 2015, 6, 160-166.	0.7	24
66	Global work index correlates with established prognostic parameters of heart failure. <i>Echocardiography</i> , 2020, 37, 412-420.	0.3	24
67	A simple and accurate method for computer-aided transapical aortic valve replacement. <i>Computerized Medical Imaging and Graphics</i> , 2016, 50, 31-41.	3.5	23
68	Off-pump implantation of the HeartMate 3 left ventricular assist device through a bilateral thoracotomy approach. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 153, 104-105.	0.4	23
69	Two implantable continuous-flow ventricular assist devices in a biventricular configuration: technique and results. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2018, 27, 938-942.	0.5	23
70	Minimally invasive surgical aortic valve replacement: The RALT approach. <i>Journal of Cardiac Surgery</i> , 2020, 35, 2341-2346.	0.3	23
71	Surgical management of driveline infections in patients with left ventricular assist devices. <i>Journal of Cardiac Surgery</i> , 2016, 31, 765-771.	0.3	22
72	Transcatheter aspiration of large pacemaker and implantable cardioverter-defibrillator lead vegetations facilitating safe transvenous lead extraction. <i>Europace</i> , 2020, 22, 133-138.	0.7	22

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73	Geometry influences inflammatory host cell response and remodeling in tissue-engineered heart valves in-vivo. <i>Scientific Reports</i> , 2020, 10, 19882.	1.6	22
74	Committee Recommendations for Resuming Cardiac Surgery Activity in the SARS-CoV-2 Era: Guidance From an International Cardiac Surgery Consortium. <i>Annals of Thoracic Surgery</i> , 2020, 110, 725-732.	0.7	21
75	Novel Emboli Protection System During Cardiac Surgery: A Multi-Center, Randomized, Clinical Trial. <i>Annals of Thoracic Surgery</i> , 2014, 98, 1627-1634.	0.7	20
76	The cytoprotective capacity of processed human cardiac extracellular matrix. <i>Journal of Materials Science: Materials in Medicine</i> , 2016, 27, 120.	1.7	20
77	Prediction of survival of patients in cardiogenic shock treated by surgically implanted Impella 5+ short-term left ventricular assist device. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2020, 31, 475-482.	0.5	20
78	ECMELLA 2.0: Single Arterial Access Technique for a Staged Approach in Cardiogenic Shock. <i>Annals of Thoracic Surgery</i> , 2021, 111, e135-e137.	0.7	20
79	Disproportionate mitral regurgitation: another myth? A critical appraisal of echocardiographic assessment of functional mitral regurgitation. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 183-196.	0.7	20
80	Myocardial Work Assessment for the Prediction of Prognosis in Advanced Heart Failure. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 691611.	1.1	20
81	Exercise training in patients with a left ventricular assist device (ExLVAD): rationale and design of a multicentre, prospective, assessor-blinded, randomized, controlled trial. <i>European Journal of Heart Failure</i> , 2019, 21, 1152-1159.	2.9	19
82	Pancreatic Stone Protein Predicts Postoperative Infection in Cardiac Surgery Patients Irrespective of Cardiopulmonary Bypass or Surgical Technique. <i>PLoS ONE</i> , 2015, 10, e0120276.	1.1	19
83	Lifetime management of aortic valve disease: Aligning surgical and transcatheter armamentarium to set the tone for the present and the future. <i>Journal of Cardiac Surgery</i> , 2022, 37, 205-213.	0.3	19
84	Redo procedures for degenerated stentless aortic xenografts and the role of valve-in-valve transcatheter techniques. <i>European Journal of Cardio-thoracic Surgery</i> , 2017, 51, ezw397.	0.6	18
85	An overview of surgical treatment modalities and emerging transcatheter interventions in the management of tricuspid valve regurgitation. <i>Expert Review of Cardiovascular Therapy</i> , 2018, 16, 75-89.	0.6	18
86	Incidence and characteristics of left atrial appendage stumps after device-enabled epicardial closure. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2019, 29, 663-669.	0.5	18
87	Facile endothelium protection from TNF- α inflammatory insult with surface topography. <i>Biomaterials</i> , 2017, 138, 131-141.	5.7	17
88	Recovery of donor hearts after circulatory death with normothermic extracorporeal machine perfusion. <i>European Journal of Cardio-thoracic Surgery</i> , 2015, 47, 173-179.	0.6	16
89	Survival, Neurologic Injury, and Kidney Function after Surgery for Acute Type A Aortic Dissection. <i>Thoracic and Cardiovascular Surgeon</i> , 2016, 64, 100-107.	0.4	16
90	Postoperative analysis of the mechanical interaction between stent and host tissue in patients after transcatheter aortic valve implantation. <i>Journal of Biomechanics</i> , 2017, 53, 15-21.	0.9	16

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91	The flaws in the detail of an observational study on transcatheter aortic valve implantation versus surgical aortic valve replacement in intermediate-risks patients. <i>European Journal of Cardio-thoracic Surgery</i> , 2017, 51, 1031-1035.	0.6	16
92	Improving Terminology to Describe Coronary Artery Procedures. <i>Journal of the American College of Cardiology</i> , 2021, 78, 180-188.	1.2	16
93	Chordae replacement versus leaflet resection in minimally invasive mitral valve repair. <i>Annals of Cardiothoracic Surgery</i> , 2013, 2, 809-13.	0.6	16
94	Increased prothrombotic profile in the left atrial appendage of atrial fibrillation patients. <i>International Journal of Cardiology</i> , 2015, 185, 250-255.	0.8	15
95	Endothelialization of Rationally Microtextured Surfaces with Minimal Cell Seeding Under Flow. <i>Small</i> , 2016, 12, 4113-4126.	5.2	15
96	Comparison of 1-Year Survival and Frequency of Paravalvular Leakage Using the Sapien 3 Versus the Sapien XT for Transcatheter Aortic Valve Implantation for Aortic Stenosis. <i>American Journal of Cardiology</i> , 2017, 120, 2247-2255.	0.7	15
97	Incidence and Predictors of Postoperative Need for High-Dose Inotropic Support in Patients Undergoing Cardiac Surgery for Infective Endocarditis. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018, 32, 2528-2536.	0.6	15
98	Managing large lead vegetations in transvenous lead extractions using a percutaneous aspiration technique. <i>Expert Review of Medical Devices</i> , 2018, 15, 757-761.	1.4	15
99	The role of fibroblast α €€ Cardiomyocyte interaction for atrial dysfunction in HFpEF and hypertensive heart disease. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 131, 53-65.	0.9	15
100	Mitral valve surgery: current status and future prospects of the minimally invasive approach. <i>Expert Review of Medical Devices</i> , 2021, 18, 245-260.	1.4	15
101	Experience with a standardized protocol to predict successful explantation of left ventricular assist devices. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 164, 1922-1930.e2.	0.4	15
102	Diagnosis and Treatment Strategies of Outflow Graft Obstruction in the Fully Magnetically Levitated Continuous-Flow centrifugal Left Ventricular Assist Device: A Multicenter Case Series. <i>ASAIO Journal</i> , 2021, 67, e52-e54.	0.9	15
103	Long-term follow-up after aortic root replacement with the Shelhigh® biological valved conduit: a word of caution!. <i>European Journal of Cardio-thoracic Surgery</i> , 2016, 50, 1172-1178.	0.6	14
104	Heart Failure After 5 Years on LVAD: Diagnosis and Treatment of Outflow Graft Obstruction. <i>ASAIO Journal</i> , 2017, 63, e1-e2.	0.9	14
105	Importance of Contrast Aortography With Lotus Transcatheter Aortic Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 119-128.	1.1	14
106	MiRNA Profiles of Extracellular Vesicles Secreted by Mesenchymal Stromal Cells Can They Predict Potential Off-Target Effects?. <i>Biomolecules</i> , 2020, 10, 1353.	1.8	14
107	Retrospective 1-year outcome follow-up in 200 patients supported with HeartMate 3 and HeartWare left ventricular assist devices in a single centre. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 57, 1160-1165.	0.6	14
108	Novel Blood Biomarkers for a Diagnostic Workup of Acute Aortic Dissection. <i>Diagnostics</i> , 2021, 11, 615.	1.3	14

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109	Successful case of adjunctive intravenous bacteriophage therapy to treat left ventricular assist device infection. <i>Journal of Infection</i> , 2021, 83, e1-e3.	1.7	14
110	Transcatheter Aortic Valve Replacement Indications Should Not Be Expanded to Lower-Risk and Younger Patients. <i>Circulation</i> , 2014, 130, 2332-2342.	1.6	13
111	The DEDICATE Trial. <i>European Heart Journal</i> , 2019, 40, 331-333.	1.0	13
112	Initial experience with the new type A arch dissection stent: restoration of supra-aortic vessel perfusion. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2021, 33, 276-283.	0.5	13
113	Cerebral protection system applied during washout of thrombus occluding inflow cannula of HeartWare HVAD left ventricular assist device. <i>Journal of Heart and Lung Transplantation</i> , 2015, 34, 1640-1641.	0.3	12
114	Tissue engineered heart valves for transcatheter aortic valve implantation: current state, challenges, and future developments. <i>Expert Review of Cardiovascular Therapy</i> , 2020, 18, 681-696.	0.6	12
115	Computed Tomography and Fluoroscopic Angiography in Management of Left Ventricular Assist Device Outflow Graft Obstruction. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 2036-2042.	2.3	12
116	A free-form patterning method enabling endothelialization under dynamic flow. <i>Biomaterials</i> , 2021, 273, 120816.	5.7	12
117	Two- and three-dimensional transoesophageal echocardiography in large swine used as model for transcatheter heart valve therapies: standard planes and values. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2016, 22, 580-586.	0.5	11
118	Transatlantic editorial: the use of multiple arterial grafts for coronary revascularization in Europe and North America. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 57, 1032-1037.	0.6	11
119	Minithoracotomy versus full sternotomy for isolated aortic valve replacement: Propensity matched data from two centers. <i>Journal of Cardiac Surgery</i> , 2021, 36, 97-104.	0.3	11
120	Percutaneous coronary intervention versus coronary artery surgery for left main disease according to lesion site: A meta-analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2023, 166, 120-132.e11.	0.4	11
121	Mid-Term Outcomes of Minimally Invasive Direct Coronary Artery Bypass Grafting. <i>Thoracic and Cardiovascular Surgeon</i> , 2015, 63, 313-318.	0.4	10
122	Minimally invasive approach for infective mitral valve endocarditis. <i>Annals of Cardiothoracic Surgery</i> , 2019, 8, 702-704.	0.6	10
123	Wearable devices can predict the outcome of standardized 6-minute walk tests in heart disease. <i>Npj Digital Medicine</i> , 2020, 3, 92.	5.7	10
124	Reliability and Influence on Decision Making of fully-automated vs. semi-automated Software Packages for Procedural Planning in TAVI. <i>Scientific Reports</i> , 2020, 10, 10746.	1.6	10
125	<i>Aerococcus urinae</i> – A potent biofilm builder in endocarditis. <i>PLoS ONE</i> , 2020, 15, e0231827.	1.1	10
126	Validity of the 6-Minute Walk Test in Patients with End-Stage Lung Diseases Wearing an Oronasal Surgical Mask in Times of the COVID-19 Pandemic. <i>Respiration</i> , 2021, 100, 594-599.	1.2	10

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127	Propensity score-based analysis of 30-day survival in cardiogenic shock patients supported with different microaxial left ventricular assist devices. <i>Journal of Cardiac Surgery</i> , 2021, 36, 4141-4152.	0.3	10
128	Comparison of feasibility and results of frailty assessment methods prior to left ventricular assist device implantation. <i>ESC Heart Failure</i> , 2022, 9, 1038-1049.	1.4	10
129	The arch remodelling stent for DeBakey I acute aortic dissection: experience with 100 implantations. <i>European Journal of Cardio-thoracic Surgery</i> , 2022, 62, .	0.6	10
130	Three-dimensional template-based planning for transapical aortic valve implantation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011, 141, 1541-1543.	0.4	9
131	Aortic valve calcium score is a significant predictor for the occurrence of post-interventional paravalvular leakage after transcatheter aortic valve implantation – Results from a single center analysis of 260 consecutive patients. <i>International Journal of Cardiology</i> , 2015, 181, 185-187.	0.8	9
132	The value of surgeon-specific outcome data: results of a questionnaire: Table 1:. <i>European Journal of Cardio-thoracic Surgery</i> , 2016, 50, 196-200.	0.6	9
133	Ticagrelor, but not clopidogrel active metabolite, displays antithrombotic properties in the left atrial endocardium. <i>European Heart Journal</i> , 2017, 38, ehw578.	1.0	9
134	Abnormal aortic flow profiles persist after aortic valve replacement in the majority of patients with aortic valve disease: how model-based personalized therapy planning could improve results. A pilot study approach. <i>European Journal of Cardio-thoracic Surgery</i> , 2020, 57, 133-141.	0.6	9
135	The MANTA Vascular Closure Device for Percutaneous Femoral Vessel Cannulation in Minimally Invasive Surgical Mitral Valve Repair. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2020, 15, 568-571.	0.4	9
136	Transatlantic Editorial: The Use of Multiple Arterial Grafts for Coronary Revascularization in Europe and North America. <i>Annals of Thoracic Surgery</i> , 2020, 109, 1631-1636.	0.7	9
137	MicroRNA Mediated Cardioprotection – Is There a Path to Clinical Translation?. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 149.	2.0	9
138	A Novel Hybrid Membrane VAD as First Step Toward Hemocompatible Blood Propulsion. <i>Annals of Biomedical Engineering</i> , 2021, 49, 716-731.	1.3	9
139	<i>Rothia aeria</i> and <i>Rothia dentocariosa</i> as biofilm builders in infective endocarditis. <i>International Journal of Medical Microbiology</i> , 2021, 311, 151478.	1.5	9
140	Computed Tomography-based evaluation of porcine cardiac dimensions to assist in pre-study planning and optimized model selection for pre-clinical research. <i>Scientific Reports</i> , 2020, 10, 6020.	1.6	9
141	Fluorescence In Situ Hybridization and Polymerase Chain Reaction to Detect Infections in Patients With Left Ventricular Assist Devices. <i>ASAIO Journal</i> , 2021, 67, 536-545.	0.9	9
142	Bacteriophage Therapy as a Treatment Option for Complex Cardiovascular Implant Infection: The German Heart Center Berlin experience. <i>Journal of Heart and Lung Transplantation</i> , 2022, , .	0.3	9
143	New Hybrid Prosthesis for Acute Type A Aortic Dissection. <i>Surgical Technology International</i> , 2020, 36, 95-97.	0.1	9
144	Compression coil provides increased lead control in extraction procedures. <i>Europace</i> , 2015, 17, 499-503.	0.7	8

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145	Life on the driveline: Molecular detection and fluorescence in situ hybridization-based visualization of microbial species in patients with left ventricular assist devices. <i>Journal of Heart and Lung Transplantation</i> , 2018, 37, 163-166.	0.3	8
146	Validation of a novel risk score to predict mortality after surgery for acute type A dissection. <i>European Journal of Cardio-thoracic Surgery</i> , 2022, 61, 378-385.	0.6	8
147	Cocaine-Related Aortic Dissection: what do we know?. <i>Brazilian Journal of Cardiovascular Surgery</i> , 2020, 35, 764-769.	0.2	8
148	Does body mass index impact the early outcome of surgical revascularization? A comparison between off-pump and on-pump coronary artery bypass grafting. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2014, 19, 749-755.	0.5	7
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