

# Ralf Westenfeld

## List of Publications by Year in descending order

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Version: 2024-02-01

119  
papers

3,133  
citations

218677

26  
h-index

168389

53  
g-index

122  
all docs

122  
docs citations

122  
times ranked

4478  
citing authors

#	ARTICLE	IF	CITATIONS
1	Impella Support for Acute Myocardial Infarction Complicated by Cardiogenic Shock. <i>Circulation</i> , 2019, 139, 1249-1258.	1.6	353
2	Role of calcification inhibitors in the pathogenesis of vascular calcification in chronic kidney disease (CKD). <i>Kidney International</i> , 2005, 67, 2295-2304.	5.2	321
3	Effect of Vitamin K2 Supplementation on Functional Vitamin K Deficiency in Hemodialysis Patients: A Randomized Trial. <i>American Journal of Kidney Diseases</i> , 2012, 59, 186-195.	1.9	257
4	Bromocriptine for the treatment of peripartum cardiomyopathy: a multicentre randomized study. <i>European Heart Journal</i> , 2017, 38, 2671-2679.	2.2	243
5	Myocardial Stiffness, Cardiac Remodeling, and Diastolic Dysfunction in Calcification-Prone Fetuin-A Deficient Mice. <i>Journal of the American Society of Nephrology: JASN</i> , 2005, 16, 3357-3364.	6.1	119
6	Warfarin Induces Cardiovascular Damage in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 2618-2624.	2.4	90
7	Fetuin-A (AHSG) prevents extraosseous calcification induced by uraemia and phosphate challenge in mice. <i>Nephrology Dialysis Transplantation</i> , 2007, 22, 1537-1546.	0.7	87
8	Myocardial T2 mapping reveals age- and sex-related differences in volunteers. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 9.	3.3	77
9	Impact of sirolimus, tacrolimus and mycophenolate mofetil on osteoclastogenesis—implications for post-transplantation bone disease. <i>Nephrology Dialysis Transplantation</i> , 2011, 26, 4115-4123.	0.7	76
10	Abnormal T2 mapping cardiovascular magnetic resonance correlates with adverse clinical outcome in patients with suspected acute myocarditis. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2016, 19, 38.	3.3	73
11	EARLY RAPID LOSS FOLLOWED BY LONG-TERM CONSOLIDATION CHARACTERIZES THE DEVELOPMENT OF LUMBAR BONE MINERAL DENSITY AFTER KIDNEY TRANSPLANTATION. <i>Transplantation</i> , 2004, 77, 1566-1571.	1.0	67
12	Pathogenesis of vascular calcification in dialysis patients. <i>Clinical and Experimental Nephrology</i> , 2005, 9, 265-270.	1.6	67
13	Risk for life-threatening arrhythmia in newly diagnosed peripartum cardiomyopathy with low ejection fraction: a German multi-centre analysis. <i>Clinical Research in Cardiology</i> , 2017, 106, 582-589.	3.3	67
14	Vascular Calcification and Fetuin-A Deficiency in Chronic Kidney Disease. <i>Trends in Cardiovascular Medicine</i> , 2007, 17, 124-128.	4.9	63
15	The Latest Evolution of the Medtronic CoreValve System in the Era of Transcatheter Aortic Valve Replacement. <i>JACC: Cardiovascular Interventions</i> , 2018, 11, 2314-2322.	2.9	60
16	Evidence of autoantibodies against cardiac troponin I and sarcomeric myosin in peripartum cardiomyopathy. <i>Basic Research in Cardiology</i> , 2015, 110, 60.	5.9	51
17	Rationale and design of the DIGIT-HF trial (DIGitoxin to Improve Outcomes in patients with advanced) Tj ETQq1 1 0.784314 rgBT / Over Heart Failure, 2019, 21, 676-684.	7.1	51
18	High-Dose Menaquinone-7 Supplementation Reduces Cardiovascular Calcification in a Murine Model of Extraosseous Calcification. <i>Nutrients</i> , 2015, 7, 6991-7011.	4.1	50

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19	Navigating the "Optimal Implantation Depth" With a Self-Expandable TAVR Device. <i>Daily Clinical Practice. JACC: Cardiovascular Interventions</i> , 2020, 13, 679-688.	2.9	44
20	Release of endothelial microparticles in patients with arterial hypertension, hypertensive emergencies and catheter-related injury. <i>Atherosclerosis</i> , 2018, 273, 67-74.	0.8	34
21	Insulin Resistance and Vulnerability to Cardiac Ischemia. <i>Diabetes</i> , 2018, 67, 2695-2702.	0.6	31
22	Myocardial T2 Mapping Increases Noninvasive Diagnostic Accuracy for Biopsy-Proven Myocarditis. <i>JACC: Cardiovascular Imaging</i> , 2016, 9, 1467-1469.	5.3	30
23	Indication and short-term clinical outcomes of high-risk percutaneous coronary intervention with microaxial Impella® pump: results from the German Impella® registry. <i>Clinical Research in Cardiology</i> , 2018, 107, 653-657.	3.3	30
24	Effect of Acute Kidney Injury After Percutaneous Mitral Valve Repair on Outcome. <i>American Journal of Cardiology</i> , 2018, 122, 316-322.	1.6	30
25	Clinical scenarios for use of transvalvular microaxial pumps in acute heart failure and cardiogenic shock " A European experienced users working group opinion. <i>International Journal of Cardiology</i> , 2019, 291, 96-104.	1.7	30
26	Carbon dioxide-Aided Angiography Decreases Contrast Volume and Preserves Kidney Function in Peripheral Vascular Interventions. <i>Angiology</i> , 2016, 67, 875-881.	1.8	29
27	Deep sedation Vs. general anesthesia in 232 patients undergoing percutaneous mitral valve repair using the MitraClip <sup>®</sup> system. <i>Catheterization and Cardiovascular Interventions</i> , 2017, 90, 1212-1219.	1.7	29
28	Bromocriptine treatment in patients with peripartum cardiomyopathy and right ventricular dysfunction. <i>Clinical Research in Cardiology</i> , 2019, 108, 290-297.	3.3	29
29	Influence of Timing and Predicted Risk on Mortality in Impella-Treated Infarct-Related Cardiogenic Shock Patients. <i>Frontiers in Cardiovascular Medicine</i> , 2020, 7, 74.	2.4	27
30	Lactate Clearance Predicts Good Neurological Outcomes in Cardiac Arrest Patients Treated with Extracorporeal Cardiopulmonary Resuscitation. <i>Journal of Clinical Medicine</i> , 2019, 8, 374.	2.4	26
31	Impella support and acute kidney injury during high-risk percutaneous coronary intervention: The Global cVAD Renal Protection Study. <i>Catheterization and Cardiovascular Interventions</i> , 2020, 95, 1111-1121.	1.7	25
32	German Multicenter Experience With a New Leaflet-Based Transcatheter Mitral Valve Repair System for Mitral Regurgitation. <i>JACC: Cardiovascular Interventions</i> , 2020, 13, 2769-2778.	2.9	25
33	Machine Learning Identifies Clinical Parameters to Predict Mortality in Patients Undergoing Transcatheter Mitral Valve Repair. <i>JACC: Cardiovascular Interventions</i> , 2021, 14, 2027-2036.	2.9	21
34	Anti-RANKL therapy" implications for the bone-vascular-axis in CKD? Denosumab in post-menopausal women with low bone mineral density**Comment on McClung MR, Lewiecki EM, Cohen SB et al. Denosumab in postmenopausal women with low bone mineral density. <i>N Engl J Med</i> 2006; 354: 821-831. <i>Nephrology Dialysis Transplantation</i> , 2006, 21, 2075-2077.	0.7	18
35	Endothelial microparticles and vascular parameters in subjects with and without arterial hypertension and coronary artery disease. <i>Data in Brief</i> , 2018, 19, 495-500.	1.0	18
36	Selective inhibition of inducible nitric oxide synthase enhances intraglomerular coagulation in chronic anti-Thy 1 nephritis. <i>Kidney International</i> , 2002, 61, 834-838.	5.2	17

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37	Release of Intracoronary Microparticles during Stent Implantation into Stable Atherosclerotic Lesions under Protection with an Aspiration Device. <i>PLoS ONE</i> , 2015, 10, e0124904.	2.5	16
38	Perioperative aspirin therapy in non-cardiac surgery: A systematic review and meta-analysis of randomized controlled trials. <i>International Journal of Cardiology</i> , 2018, 258, 59-67.	1.7	14
39	Complete recovery of fulminant peripartum cardiomyopathy on mechanical circulatory support combined with high-dose bromocriptine therapy. <i>ESC Heart Failure</i> , 2017, 4, 641-644.	3.1	13
40	Kidney function stratified outcomes of percutaneous left atrial appendage occlusion in patients with atrial fibrillation and high bleeding risk. <i>Acta Cardiologica</i> , 2020, 75, 312-320.	0.9	13
41	Novel insights on outcome in horizontal aorta with self-expandable new-generation transcatheter aortic valve replacement devices. <i>Catheterization and Cardiovascular Interventions</i> , 2020, 96, 1511-1519.	1.7	13
42	Reduction of sleep-disordered breathing following effective percutaneous mitral valve repair with the MitraClip system. <i>Sleep and Breathing</i> , 2019, 23, 815-824.	1.7	12
43	Risk modeling in transcatheter aortic valve replacement remains unsolved: an external validation study in 2946 German patients. <i>Clinical Research in Cardiology</i> , 2021, 110, 368-376.	3.3	12
44	Microparticle-Induced Coagulation Relates to Coronary Artery Atherosclerosis in Severe Aortic Valve Stenosis. <i>PLoS ONE</i> , 2016, 11, e0151499.	2.5	12
45	Red cell distribution width in anemic patients undergoing transcatheter aortic valve implantation. <i>World Journal of Cardiology</i> , 2016, 8, 220.	1.5	12
46	Prognostic value of impaired hepato-renal function assessed by the MELD-XI score in patients undergoing percutaneous mitral valve repair. <i>Catheterization and Cardiovascular Interventions</i> , 2019, 93, 699-706.	1.7	11
47	Reduced Myocardial Mitochondrial ROS Production in Mechanically Unloaded Hearts. <i>Journal of Cardiovascular Translational Research</i> , 2019, 12, 107-115.	2.4	11
48	Get with the Guidelines Heart Failure Risk Score for mortality prediction in patients undergoing MitraClip. <i>Clinical Research in Cardiology</i> , 2021, 110, 1871-1880.	3.3	11
49	Complete Revascularisation in Impella-Supported Infarct-Related Cardiogenic Shock Patients Is Associated With Improved Mortality. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 678748.	2.4	11
50	High-resolution respirometry in human endomyocardial biopsies shows reduced ventricular oxidative capacity related to heart failure. <i>Experimental and Molecular Medicine</i> , 2019, 51, 1-10.	7.7	10
51	Real-world clinical experience with the percutaneous extracorporeal life support system: Results from the German Lifebridge® Registry. <i>Clinical Research in Cardiology</i> , 2020, 109, 46-53.	3.3	10
52	Aortic valve calcification is subject to aortic stenosis severity and the underlying flow pattern. <i>Heart and Vessels</i> , 2021, 36, 242-251.	1.2	10
53	Mitral Regurgitation International Database (MIDA) Score Predicts Outcome in Patients With Heart Failure Undergoing Transcatheter Edge-to-Edge Mitral Valve Repair. <i>Journal of the American Heart Association</i> , 2021, 10, e019548.	3.7	10
54	Moderate acceptance of COVID-19 vaccination in patients pre- and post-heart transplantation: Experiences from a German Transplant Centre. <i>Transplant Infectious Disease</i> , 2021, 23, e13681.	1.7	9

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55	Outcome of patients with non-ischaemic cardiogenic shock supported by percutaneous left ventricular assist device. <i>ESC Heart Failure</i> , 2021, 8, 3594-3602.	3.1	9
56	Life impact of VA-ECMO due to primary graft dysfunction in patients after orthotopic heart transplantation. <i>ESC Heart Failure</i> , 2021, , .	3.1	9
57	Impella Mechanical Circulatory Support for Takotsubo Syndrome With Shock: A Retrospective Multicenter Analysis. <i>Cardiovascular Revascularization Medicine</i> , 2022, 40, 113-119.	0.8	9
58	Degenerative changes of the aortic valve during left ventricular assist device support. <i>ESC Heart Failure</i> , 2022, 9, 270-282.	3.1	9
59	Liver function during mechanical circulatory support: from witness to prognostic determinant. <i>Critical Care</i> , 2016, 20, 134.	5.8	8
60	Effect of Atrial Fibrillation and Mitral Valve Gradients on Response to Percutaneous Mitral Valve Repair With the MitraClip System. <i>American Journal of Cardiology</i> , 2018, 122, 1371-1378.	1.6	8
61	Prognostic Value of the CHA2DS2-VASc Score in Patients Undergoing the MitraClip Procedure. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, 2562-2564.	2.9	8
62	Cost-comparison of third generation transcatheter aortic valve implantation (TAVI) devices in the German Health Care System. <i>International Journal of Cardiology</i> , 2019, 278, 40-45.	1.7	8
63	Evaluation of Myocardial Gene Expression Profiling for Superior Diagnosis of Idiopathic Giant-Cell Myocarditis and Clinical Feasibility in a Large Cohort of Patients with Acute Cardiac Decompensation. <i>Journal of Clinical Medicine</i> , 2020, 9, 2689.	2.4	8
64	Two year outcome in nonagenarians undergoing percutaneous mitral valve repair. <i>ESC Heart Failure</i> , 2021, 8, 577-585.	3.1	8
65	Computed tomography derived predictors of permanent pacemaker implantation after transcatheter aortic valve replacement: A meta-analysis. <i>Catheterization and Cardiovascular Interventions</i> , 2021, 98, E897-E907.	1.7	8
66	High body mass index is a risk factor for difficult deep sedation in percutaneous mitral valve repair. <i>PLoS ONE</i> , 2018, 13, e0190590.	2.5	8
67	An Alternative Approach for Perioperative Extracorporeal Life Support Implantation. <i>Artificial Organs</i> , 2015, 39, 719-723.	1.9	7
68	Cytomegalovirus mismatch after heart transplantation: Impact of antiviral prophylaxis and intravenous hyperimmune globulin. <i>Immunity, Inflammation and Disease</i> , 2021, 9, 1554-1562.	2.7	7
69	Safety of transoesophageal echocardiography during structural heart disease interventions under procedural sedation: a single-centre study. <i>European Heart Journal Cardiovascular Imaging</i> , 2022, 24, 68-77.	1.2	7
70	Heart transplantation bridged by mechanical circulatory support in a HIV-positive patient. <i>Journal of Cardiac Surgery</i> , 2016, 31, 559-561.	0.7	6
71	Early and late response-to-injury in patients undergoing transradial coronary angiography: arterial remodeling in smokers. <i>American Journal of Cardiovascular Disease</i> , 2014, 4, 47-57.	0.5	6
72	Efficient screening for severe aortic valve stenosis using understandable artificial intelligence: a prospective diagnostic accuracy study. <i>European Heart Journal Digital Health</i> , 2022, 3, 141-152.	1.7	6

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73	Exposure to Type 2 Diabetes Provokes Mitochondrial Impairment in Apparently Healthy Human Hearts. <i>Diabetes Care</i> , 2021, 44, e82-e84.	8.6	5
74	Incidence of Acute Kidney Injury Is Lower in High-Risk Patients Undergoing Percutaneous Coronary Intervention Supported with Impella Compared to ECMO. <i>Journal of Cardiovascular Translational Research</i> , 2022, 15, 239-248.	2.4	5
75	Heart Transplantation of the Elderly—Old Donors for Old Recipients: Can We Still Achieve Acceptable Results?. <i>Journal of Clinical Medicine</i> , 2022, 11, 929.	2.4	5
76	Days alive and out of hospital after left ventricular assist device implantation. <i>ESC Heart Failure</i> , 2022, 9, 2455-2463.	3.1	5
77	The K-factor in chronic kidney disease: biomarkers of calcification inhibition and beyond. <i>Nephrology Dialysis Transplantation</i> , 2014, 29, 1267-1270.	0.7	4
78	Integration of medical therapy and mechanical circulatory support in the management of acute heart failure. <i>Archives of Medical Science</i> , 2016, 6, 1317-1323.	0.9	4
79	Early clinical experiences with a novel contrast volume reduction system during invasive coronary angiography. <i>IJC Heart and Vasculature</i> , 2019, 23, 100377.	1.1	4
80	Low-Dose Thrombolysis for the Management of Left Atrial Thrombus Formation During Percutaneous Mitral Valve Repair. <i>JACC: Cardiovascular Interventions</i> , 2019, 12, e9-e10.	2.9	4
81	Percutaneous left ventricular assist support is associated with less pulmonary congestion and lower rate of pneumonia in patients with cardiogenic shock. <i>Open Heart</i> , 2020, 7, e001385.	2.3	4
82	Predictors of functional mitral regurgitation recurrence after percutaneous mitral valve repair. <i>Heart and Vessels</i> , 2021, 36, 1574-1583.	1.2	4
83	Extent and determinants of left ventricular reverse remodeling in patients with secondary mitral regurgitation undergoing MitraClip implantation. <i>IJC Heart and Vasculature</i> , 2021, 34, 100804.	1.1	4
84	Human myocardial mitochondrial oxidative capacity is impaired in mild acute heart transplant rejection. <i>ESC Heart Failure</i> , 2021, , .	3.1	4
85	Evaluation of Radiographic Contrast-Induced Nephropathy by Functional Diffusion Weighted Imaging. <i>Journal of Clinical Medicine</i> , 2021, 10, 4573.	2.4	4
86	Thromboembolic Events in Patients With Left Ventricular Assist Devices Are Related to Microparticle-Induced Coagulation. <i>ASAIO Journal</i> , 2021, 67, 59-66.	1.6	4
87	Rapid response ECLS after 140min of refractory ventricular fibrillation following out-of-hospital cardiac arrest: Feasibility as bridge to primary PCI. <i>Resuscitation</i> , 2014, 85, e57-e59.	3.0	3
88	Extravascular lung water index and Halperin score to predict outcome in critically ill patients. <i>Wiener Klinische Wochenschrift</i> , 2018, 130, 505-510.	1.9	3
89	Predictors of calcification distribution in severe tricuspid aortic valve stenosis. <i>International Journal of Cardiovascular Imaging</i> , 2021, 37, 2791-2799.	1.5	3
90	Factors associated with a high or low implantation of self-expanding devices in TAVR. <i>Clinical Research in Cardiology</i> , 2021, 110, 1930-1938.	3.3	3

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91	Altered mRNA Expression of Interleukin-1 Receptors in Myocardial Tissue of Patients with Left Ventricular Assist Device Support. <i>Journal of Clinical Medicine</i> , 2021, 10, 4856.	2.4	3
92	Intracerebral bleeding in donors is associated with reduced short-term to midterm survival of heart transplant recipients. <i>ESC Heart Failure</i> , 2022, , .	3.1	3
93	Risk Scores for Mortality Prediction After Transcatheter Mitral Valve Repair. <i>Journal of the American College of Cardiology</i> , 2022, 79, e477-e478.	2.8	3
94	When extracorporeal CPR fails—fatal ionized hypocalcemia during cardiac arrest. <i>American Journal of Emergency Medicine</i> , 2016, 34, 2251.e1-2251.e2.	1.6	2
95	Patients with severe aortic stenosis and coexisting pulmonary hypertension treated by transapical transcatheter aortic valve replacement—Is there a need for increased attention?. <i>Catheterization and Cardiovascular Interventions</i> , 2020, 95, 1001-1008.	1.7	2
96	Impact of Combined CHADS-BLED Score to Predict Short-Term Outcomes in Transfemoral and Transapical Aortic Valve Replacement. <i>Journal of Interventional Cardiology</i> , 2020, 2020, 1-9.	1.2	2
97	Extracorporeal life support system during cardiovascular procedures: Insights from the German Lifebridge registry. <i>Artificial Organs</i> , 2020, 44, 1259-1266.	1.9	2
98	Crosstalk of Diabetic Conditions with Static Versus Dynamic Flow Environment—Impact on Aortic Valve Remodeling. <i>International Journal of Molecular Sciences</i> , 2021, 22, 6976.	4.1	2
99	Prognostic value of hepatorenal function following transcatheter edge-to-edge mitral valve repair. <i>Clinical Research in Cardiology</i> , 2021, 110, 1947-1956.	3.3	2
100	Sublingual Microcirculation predicts Survival after Out-of-Hospital Cardiac Arrest. <i>Microcirculation</i> , 2021, 28, e12729.	1.8	2
101	Periprocedural changes in natriuretic peptide levels and clinical outcome after transcatheter mitral valve repair. <i>ESC Heart Failure</i> , 2021, , .	3.1	2
102	Right ventricular dysfunction assessed by cardiovascular magnetic resonance is associated with poor outcome in patients undergoing transcatheter mitral valve repair. <i>PLoS ONE</i> , 2021, 16, e0245637.	2.5	2
103	Adequate immune response after SARS-CoV-2 infection and single dose vaccination despite rapid heart transplantation. <i>ESC Heart Failure</i> , 2021, 8, 5568.	3.1	2
104	Impact of pretransplant left ventricular assist device support duration on outcome after heart transplantation. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2022, 34, 462-469.	1.1	2
105	A staging classification of right heart remodelling for patients undergoing transcatheter edge-to-edge mitral valve repair. <i>EuroIntervention</i> , 2022, 18, 43-49.	3.2	2
106	Outcome and Midterm Survival after Heart Transplantation Is Independent from Donor Length of Stay in the Intensive Care Unit. <i>Life</i> , 2022, 12, 1053.	2.4	2
107	Mechanical circulatory support as bridge to urgent structural intervention. <i>European Heart Journal</i> , 2018, 39, 3776-3776.	2.2	1
108	Prediction of One-Year Mortality Based upon A New Staged Mortality Risk Model in Patients with Aortic Stenosis Undergoing Transcatheter Valve Replacement. <i>Journal of Clinical Medicine</i> , 2019, 8, 1642.	2.4	1



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109	Chronic stable heart failure model in ovine species. <i>Artificial Organs</i> , 2020, 44, 947-954.	1.9	1
110	Impact of tricuspid valve insufficiency on the performance of left ventricular assist devices. <i>JTCVS Open</i> , 2020, 4, 16-23.	0.5	1
111	Iatrogenic atrial septal defect persistence after percutaneous mitral valve repair: a meta-analysis. <i>Acta Cardiologica</i> , 2021, , 1-11.	0.9	1
112	Short- and Mid-Term Outcomes in Patients Deemed Inoperable Undergoing Transapical and Transfemoral TAVR with an STS-PROM below Four Percent. <i>Journal of Clinical Medicine</i> , 2021, 10, 2993.	2.4	1
113	Risk Factors for Acute Kidney Injury Requiring Renal Replacement Therapy after Orthotopic Heart Transplantation in Patients with Preserved Renal Function. <i>Journal of Clinical Medicine</i> , 2021, 10, 4117.	2.4	1
114	Transcatheter Aortic Valve Implantation in High-Risk/Inoperable Patients: Repositionable versus Non-Repositionable Self-Expanding Valve. <i>Journal of Heart Valve Disease</i> , 2017, 26, 405-412.	0.5	1
115	COVID-19 pandemic deteriorates aftercare attendance in heart transplant recipients independently of perceived impact on social life. <i>Transplant Infectious Disease</i> , 2022, , .	1.7	1
116	Transaxillary Impella support: Bridging the gap of powerful left ventricular support. <i>Artificial Organs</i> , 2019, 43, 1053-1054.	1.9	0
117	No focus for <i>Staphylococcus aureus</i> bacteremia? Don't swallow it! An educational report of a rare sepsis presentation. <i>Archives of Medical Science</i> , 2020, 16, 1491-1492.	0.9	0
118	The analysis of left ventricular ejection fraction after minimally invasive surgery for primary mitral valve regurgitation. <i>Journal of Cardiac Surgery</i> , 2021, 36, 661-669.	0.7	0
119	Removal of Electrophysiological Devices in the Context of Heart Transplantation: Comparison of Combined and Staged Extraction Procedures. <i>Thoracic and Cardiovascular Surgeon</i> , 2021, , .	1.0	0