

Matthias F Bechtel

List of Publications by Citations

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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.

30 papers	537 citations	12 h-index	23 g-index
34 ext. papers	622 ext. citations	3.5 avg, IF	2.91 L-index

#	Paper	IF	Citations
30	A critical reappraisal of the Ross operation: renaissance of the subcoronary implantation technique?. <i>Circulation</i> , 2006 , 114, I504-11	16.7	68
29	The sutureless aortic valve at 1-year: A large multicenter cohort study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016 , 151, 1617-1626.e4	1.5	62
28	Fourteen years experience with 501 subcoronary Ross procedures: surgical details and results. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2010 , 140, 816-22, 822.e1-5	1.5	62
27	Aortic valve replacement and concomitant procedures with the Perceval valve: results of European trials. <i>Annals of Thoracic Surgery</i> , 2014 , 98, 1294-300	2.7	61
26	Autograft reinforcement to preserve autograft function after the Ross procedure: a report from the German-Dutch Ross Registry. <i>Circulation</i> , 2009 , 120, S146-54	16.7	61
25	One-year results of transcatheter aortic valve implantation in severe symptomatic aortic valve stenosis. <i>American Journal of Cardiology</i> , 2011 , 107, 1687-92	3	52
24	The metabolic and renal effects of adrenaline and milrinone in patients with myocardial dysfunction after coronary artery bypass grafting. <i>Critical Care</i> , 2007 , 11, R51	10.8	31
23	Minimal access rapid deployment aortic valve replacement: initial single-center experience and 12-month outcomes. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015 , 149, 434-40	1.5	29
22	Ross procedure and left ventricular mass regression. <i>Circulation</i> , 2005 , 112, I415-22	16.7	25
21	Decellularized pulmonary homograft (SynerGraft) for reconstruction of the right ventricular outflow tract: first clinical experience. <i>Clinical Research in Cardiology</i> , 2003 , 92, 53-9		20
20	Risk factors for acute kidney injury following TA-TAVI or minimally invasive aortic valve replacement: which procedure is less kidney damaging in elderly patients?. <i>Thoracic and Cardiovascular Surgeon</i> , 2014 , 62, 482-8	1.6	12
19	Thrombocytopenia after implantation of the Perceval S aortic bioprosthesis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 , 160, 61-68.e8	1.5	12
18	Simultaneous double valve-in-valve TAVI procedure for failed bioprostheses. <i>Annals of Thoracic Surgery</i> , 2015 , 99, 722-4	2.7	10
17	Alterations in Titin Properties and Myocardial Fibrosis Correlate With Clinical Phenotypes in Hemodynamic Subgroups of Severe Aortic Stenosis. <i>JACC Basic To Translational Science</i> , 2018 , 3, 335-346	8.7	7
16	Midterm outcomes with a sutureless aortic bioprosthesis in a prospective multicenter cohort study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 ,	1.5	5
15	Rapid deployment aortic valve replacement in a minimal access setting: intermediate clinical and echocardiographic outcomes. <i>European Journal of Cardio-thoracic Surgery</i> , 2018 , 54, 354-360	3	4
14	Feasibility of temporary biventricular pacing in patients with reduced left ventricular function after coronary artery bypass grafting. <i>PACE - Pacing and Clinical Electrophysiology</i> , 2007 , 30 Suppl 1, S50-3	1.6	4

13	The Use of Rapid Deployment Valves in Combined Aortic and Mitral Valve Surgery: One-Year Clinical and Echocardiographic Outcomes. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2017 , 12, 201-206	1.5	3
12	Annular rupture leading to fatal complications in an elderly patient with calcified aortic and mitral annulus undergoing transapical aortic valve implantation. <i>Thoracic and Cardiovascular Surgeon</i> , 2013 , 61, 425-7	1.6	3
11	Treatment of Unreconstructible Upper Extremity Arterial Occlusive Disease by Spinal Cord Stimulation. <i>Vascular Surgery</i> , 1996 , 30, 215-221		2
10	Rapid deployment aortic valve replacement in the setting of concomitant mitral valve procedures. <i>European Journal of Cardio-thoracic Surgery</i> , 2017 , 51, 792-793	3	1
9	Chronic pericardial hematoma with suppression of the right ventricle: a rare complication of a coronary artery aneurysm. <i>The Thoracic and Cardiovascular Surgeon Reports</i> , 2014 , 3, 27-30	0.3	1
8	Quality of retransfused blood: whole blood versus cell separation. <i>Annals of Thoracic Surgery</i> , 1996 , 61, 279-80	2.7	1
7	Intermediate Outcomes after Rapid Deployment Aortic Valve Replacement in Multiple Valve Surgery. <i>Thoracic and Cardiovascular Surgeon</i> , 2020 , 68, 595-601	1.6	1
6	Single-Center Outcomes with Rapid Deployment Aortic Valve Replacement. <i>Thoracic and Cardiovascular Surgeon</i> , 2021 , 69, 405-411	1.6	0
5	Special report: 26-year durability of a bioprosthesis implanted in a 21-year-old patient. <i>The Thoracic and Cardiovascular Surgeon Reports</i> , 2014 , 3, 3-5	0.3	
4	Accelerated smooth muscle cell apoptosis in occluded aorto-coronary saphenous vein grafts. <i>International Journal of Angiology</i> , 2001 , 10, 237-240	1.1	
3	The Use of Rapid Deployment Valves in Combined Aortic and Mitral Valve Surgery. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2017 , 12, 201-206	1.5	
2	Rapid-Deployment Aortic Valve Replacement after Previous Mechanical Valve Implantation. <i>The Thoracic and Cardiovascular Surgeon Reports</i> , 2016 , 5, 24-26	0.3	
1	Commentary: When suction alone is not enough. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 , 159, 906-907	1.5	