

Bradley G Leshnower

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.

106 papers	2,529 citations	28 h-index	47 g-index
112 ext. papers	3,324 ext. citations	3.4 avg, IF	5.07 L-index

#	Paper	IF	Citations
106	Comparison of transfemoral transcatheter aortic valve replacement performed in the catheterization laboratory (minimalist approach) versus hybrid operating room (standard approach): outcomes and cost analysis. <i>JACC: Cardiovascular Interventions</i> , 2014 , 7, 898-904	5	236
105	A Neutralizing Monoclonal Antibody for Hospitalized Patients with Covid-19. <i>New England Journal of Medicine</i> , 2021 , 384, 905-914	59.2	203
104	Society for Vascular Surgery (SVS) and Society of Thoracic Surgeons (STS) reporting standards for type B aortic dissections. <i>Journal of Vascular Surgery</i> , 2020 , 71, 723-747	3.5	117
103	Moderate hypothermia and unilateral selective antegrade cerebral perfusion: a contemporary cerebral protection strategy for aortic arch surgery. <i>Annals of Thoracic Surgery</i> , 2010 , 90, 547-54	2.7	101
102	The BASILICA Trial: Prospective Multicenter Investigation of Intentional Leaflet Laceration to Prevent TAVR Coronary Obstruction. <i>JACC: Cardiovascular Interventions</i> , 2019 , 12, 1240-1252	5	99
101	Anterior Leaflet Laceration to Prevent Ventricular Outflow Tract Obstruction During Transcatheter Mitral Valve Replacement. <i>Journal of the American College of Cardiology</i> , 2019 , 73, 2521-2534	15.4	90
100	Avoiding aortic clamping during coronary artery bypass grafting reduces postoperative stroke. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015 , 149, 175-80	1.5	83
99	Video-assisted thoracoscopic surgery segmentectomy: a safe and effective procedure. <i>Annals of Thoracic Surgery</i> , 2010 , 89, 1571-6	2.7	82
98	Hemiarch replacement at 28°C: an analysis of mild and moderate hypothermia in 500 patients. <i>Annals of Thoracic Surgery</i> , 2012 , 93, 1910-5; discussion 1915-6	2.7	61
97	Minimalist transcatheter aortic valve replacement: The new standard for surgeons and cardiologists using transfemoral access?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015 , 150, 833-9	1.5	58
96	Hypothermia and cerebral protection strategies in aortic arch surgery: a comparative effectiveness analysis from the STS Adult Cardiac Surgery Database. <i>European Journal of Cardio-thoracic Surgery</i> , 2017 , 52, 492-498	3	53
95	Midterm results of David V valve-sparing aortic root replacement in acute type A aortic dissection. <i>Annals of Thoracic Surgery</i> , 2015 , 99, 795-800; discussion 800-1	2.7	52
94	Moderate Versus Deep Hypothermia With Unilateral Selective Antegrade Cerebral Perfusion for Acute Type A Dissection. <i>Annals of Thoracic Surgery</i> , 2015 , 100, 1563-8; discussion 1568-9	2.7	51
93	High-risk patients with inoperative aortic stenosis: use of transapical, transaortic, and transcarotid techniques. <i>Annals of Thoracic Surgery</i> , 2015 , 99, 817-23; discussion 823-5	2.7	50
92	Aortic Remodeling After Endovascular Repair of Complicated Acute Type B Aortic Dissection. <i>Annals of Thoracic Surgery</i> , 2017 , 103, 1878-1885	2.7	45
91	Safety and efficacy of left ventricular assist device support in postmyocardial infarction cardiogenic shock. <i>Annals of Thoracic Surgery</i> , 2006 , 81, 1365-70; discussion 1370-1	2.7	45
90	Society for Vascular Surgery (SVS) and Society of Thoracic Surgeons (STS) Reporting Standards for Type B Aortic Dissections. <i>Annals of Thoracic Surgery</i> , 2020 , 109, 959-981	2.7	44

89	Mild hypothermia to limit myocardial ischemia-reperfusion injury: importance of timing. <i>Annals of Thoracic Surgery</i> , 2009 , 87, 157-63	2.7	44
88	Acute type a dissection: impact of antegrade cerebral perfusion under moderate hypothermia. <i>Annals of Thoracic Surgery</i> , 2013 , 96, 2135-41	2.7	42
87	The Impact of Thoracic Endovascular Aortic Repair on Long-Term Survival in Type B Aortic Dissection. <i>Annals of Thoracic Surgery</i> , 2018 , 105, 31-38	2.7	42
86	Expanding the indications for the David V aortic root replacement: early results. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012 , 143, 879-84	1.5	41
85	Deep Hypothermia With Retrograde Cerebral Perfusion Versus Moderate Hypothermia With Antegrade Cerebral Perfusion for Arch Surgery. <i>Annals of Thoracic Surgery</i> , 2019 , 107, 1104-1110	2.7	35
84	Total arch replacement using moderate hypothermic circulatory arrest and unilateral selective antegrade cerebral perfusion. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014 , 147, 1488-92	1.5	35
83	Thoracic endografting reduces morbidity and remodels the thoracic aorta in DeBakey III aneurysms. <i>Annals of Thoracic Surgery</i> , 2013 , 95, 914-21	2.7	34
82	Midterm benefits of surgical pulmonary embolectomy for acute pulmonary embolus on right ventricular function. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016 , 152, 872-8	1.5	34
81	Cyclosporine preserves mitochondrial morphology after myocardial ischemia/reperfusion independent of calcineurin inhibition. <i>Annals of Thoracic Surgery</i> , 2008 , 86, 1286-92	2.7	31
80	Very mild hypothermia during ischemia and reperfusion improves postinfarction ventricular remodeling. <i>Annals of Thoracic Surgery</i> , 2009 , 87, 172-7	2.7	29
79	Transcatheter Aortic Valve Replacement in Patients With Aortic Stenosis and Mitral Regurgitation. <i>Annals of Thoracic Surgery</i> , 2017 , 104, 1977-1985	2.7	28
78	The "thoracic endovascular aortic repair-first" strategy for acute type A dissection with mesenteric malperfusion: Initial results compared with conventional algorithms. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019 , 158, 1516-1524	1.5	25
77	Coupled Morphological-Hemodynamic Computational Analysis of Type B Aortic Dissection: A Longitudinal Study. <i>Annals of Biomedical Engineering</i> , 2018 , 46, 927-939	4.7	25
76	Incidence of postoperative stroke using the Heartstring device in 1,380 coronary artery bypass graft patients with mild to severe atherosclerosis of the ascending aorta. <i>Annals of Thoracic Surgery</i> , 2014 , 97, 2066-72; discussion 2072	2.7	25
75	Hypothermia and Selective Antegrade Cerebral Perfusion Is Safe for Arch Repair in Type A Dissection. <i>Annals of Thoracic Surgery</i> , 2017 , 104, 767-772	2.7	24
74	Aortic arch surgery using moderate hypothermia and unilateral selective antegrade cerebral perfusion. <i>Annals of Cardiothoracic Surgery</i> , 2013 , 2, 288-95	4.7	22
73	In vivo fluorometric assessment of cyclosporine on mitochondrial function during myocardial ischemia and reperfusion. <i>Annals of Thoracic Surgery</i> , 2010 , 89, 1532-7	2.7	21
72	Durability and safety of David V valve-sparing root replacement in acute type A aortic dissection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019 , 157, 14-23.e1	1.5	20

71	Assessment of Commonly Used Frailty Markers for High- and Extreme-Risk Patients Undergoing Transcatheter Aortic Valve Replacement. <i>Annals of Thoracic Surgery</i> , 2017 , 104, 1939-1946	2.7	19
70	Regional heterogeneity of myocardial reperfusion injury: effect of mild hypothermia. <i>Annals of Thoracic Surgery</i> , 2009 , 87, 164-71	2.7	19
69	When and how to replace the aortic root in type A aortic dissection. <i>Annals of Cardiothoracic Surgery</i> , 2016 , 5, 377-82	4.7	19
68	Clinical Outcomes of the David V Valve-Sparing Root Replacement Compared With Bioprosthetic Valve-Conduits for Aortic Root Aneurysms. <i>Annals of Thoracic Surgery</i> , 2017 , 103, 1824-1832	2.7	18
67	Outcomes for Transcatheter Aortic Valve Replacement in Nonagenarians. <i>Annals of Thoracic Surgery</i> , 2015 , 100, 1261-7; discussion 1267	2.7	18
66	The Safety and Efficacy of Extended TEVAR in Acute Type B Aortic Dissection. <i>Annals of Thoracic Surgery</i> , 2020 , 110, 799-806	2.7	18
65	The David V Valve-Sparing Root Replacement Provides Improved Survival Compared With Mechanical Valve-conduits in the Treatment of Young Patients With Aortic Root Pathology. <i>Annals of Thoracic Surgery</i> , 2016 , 102, 1522-1530	2.7	17
64	The "TEVAR-first" approach to DeBakey I aortic dissection with mesenteric malperfusion. <i>Annals of Thoracic Surgery</i> , 2014 , 97, 693-6	2.7	17
63	Outcomes following redo sternotomy for aortic surgery. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2012 , 15, 63-8	1.8	16
62	Progression of myocardial injury during coronary occlusion in the collateral-deficient heart: a non-wavefront phenomenon. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007 , 293, H1799-804	5.2	16
61	Efficacy and safety of two neutralising monoclonal antibody therapies, sotrovimab and BRIL-196 plus BRIL-198, for adults hospitalised with COVID-19 (TICO): a randomised controlled trial. <i>Lancet Infectious Diseases</i> , 2021 ,	25.5	16
60	Port-access-assisted aortic valve replacement: a comparison of minimally invasive and conventional techniques. <i>Heart Surgery Forum</i> , 2006 , 9, E560-4; discussion E564	0.7	16
59	The Impact of Intimal Tear Location and Partial False Lumen Thrombosis in Acute Type B Aortic Dissection. <i>Annals of Thoracic Surgery</i> , 2016 , 102, 1925-1932	2.7	16
58	Reoperative aortic root replacement: Outcome in a contemporary series. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017 , 154, 800-808.e3	1.5	15
57	Contemporary evaluation of mortality and stroke risk after thoracic endovascular aortic repair. <i>Journal of Vascular Surgery</i> , 2017 , 66, 718-727.e5	3.5	14
56	Pulsatile Flow Leads to Intimal Flap Motion and Flow Reversal in an In Vitro Model of Type B Aortic Dissection. <i>Cardiovascular Engineering and Technology</i> , 2017 , 8, 378-389	2.2	14
55	The distance of the primary intimal tear from the left subclavian artery predicts aortic growth in uncomplicated type B aortic dissection. <i>Journal of Vascular Surgery</i> , 2019 , 69, 692-700	3.5	14
54	Valve Sparing Root Replacement Provides Similar Midterm Outcomes in Bicuspid and Trileaflet Valves. <i>Annals of Thoracic Surgery</i> , 2019 , 107, 54-60	2.7	13

53	Responses to a Neutralizing Monoclonal Antibody for Hospitalized Patients With COVID-19 According to Baseline Antibody and Antigen Levels : A Randomized Controlled Trial.. <i>Annals of Internal Medicine</i> , 2021 ,	8	13
52	Valve-Sparing Root Replacement Provides Excellent Midterm Outcomes for Bicuspid Valve Aortopathy. <i>Annals of Thoracic Surgery</i> , 2019 , 107, 499-504	2.7	11
51	Transcatheter Mitral Valve Replacement After Transcatheter Electrosurgical Laceration of Alfieri STItCh (ELASTIC): First-in-Human Report. <i>JACC: Cardiovascular Interventions</i> , 2018 , 11, 808-811	5	11
50	Improved left ventricular function and remodeling after the david v for significant aortic insufficiency. <i>Annals of Thoracic Surgery</i> , 2013 , 96, 2090-4	2.7	11
49	Risk Factors for Late Aortic Valve Dysfunction After the David V Valve-Sparing Root Replacement. <i>Annals of Thoracic Surgery</i> , 2017 , 104, 1479-1487	2.7	11
48	Development and testing of a silicone in vitro model of descending aortic dissection. <i>Journal of Surgical Research</i> , 2015 , 198, 502-7	2.5	10
47	Predictors of Failure of Medical Management in Uncomplicated Type B Aortic Dissection. <i>Annals of Thoracic Surgery</i> , 2019 , 107, 493-498	2.7	10
46	Role of acetaminophen in acute myocardial infarction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 290, H2424-31	5.2	9
45	A Novel Anisotropic Failure Criterion With Dispersed Fiber Orientations for Aortic Tissues. <i>Journal of Biomechanical Engineering</i> , 2020 , 142,	2.1	9
44	Predicted Risk of Mortality Score predicts 30-day readmission after coronary artery bypass grafting. <i>General Thoracic and Cardiovascular Surgery</i> , 2019 , 67, 661-668	1.6	8
43	Priorities in coronary artery bypass grafting: Is midterm survival more dependent on completeness of revascularization or multiple arterial grafts?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 , 161, 2070-2078.e6	1.5	8
42	Predicted Risk of Mortality, Transfusion, and Postoperative Outcomes in Isolated Primary Valve Operations. <i>Annals of Thoracic Surgery</i> , 2016 , 101, 620-4	2.7	7
41	Bicuspid aortic valve repair in the setting of severe aortic insufficiency. <i>Journal of Visualized Surgery</i> , 2018 , 4, 101	0.3	7
40	The Racial Paradox in Multiarterial Conduit Utilization for Coronary Artery Bypass Grafting. <i>Annals of Thoracic Surgery</i> , 2017 , 103, 1214-1221	2.7	6
39	Adjunctive uses of the radial artery for emergency infrapopliteal bypass in patients presenting with acute limb-threatening ischemia. <i>Vascular and Endovascular Surgery</i> , 2007 , 41, 348-51	1.4	6
38	Severity of Preoperative Aortic Regurgitation Does Not Impact Valve Durability of Aortic Valve Repair Following the David V Valve Sparing Aortic Root Replacement. <i>Annals of Thoracic Surgery</i> , 2017 , 103, 756-763	2.7	5
37	The evidence in a Bentall procedure with Valsalva graft: is this standard of care?. <i>Journal of Visualized Surgery</i> , 2018 , 4, 98	0.3	5
36	Invited Commentary. <i>Annals of Thoracic Surgery</i> , 2015 , 99, 2031	2.7	4

35	Cannulation strategies, circulation management and neuroprotection for type A intramural hematoma: tips and tricks. <i>Annals of Cardiothoracic Surgery</i> , 2019 , 8, 561-566	4.7	4
34	Transapical Thoracic Endovascular Aortic Repair as a Bridge to Open Repair of an Infected Ascending Aortic Pseudoaneurysm. <i>Annals of Thoracic Surgery</i> , 2015 , 100, 1883-6	2.7	4
33	Re-Operative Aortic Arch Surgery in a Contemporary Series. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2021 ,	1.7	4
32	Dedicated Closure Device for Transcaval Access Closure: From Concept to First-in-Human Testing. <i>JACC: Cardiovascular Interventions</i> , 2019 , 12, 2198-2206	5	4
31	Computation of a probabilistic and anisotropic failure metric on the aortic wall using a machine learning-based surrogate model. <i>Computers in Biology and Medicine</i> , 2021 , 137, 104794	7	4
30	Degenerative mitral regurgitation predicts worse outcomes in patients undergoing transcatheter aortic valve replacement. <i>Catheterization and Cardiovascular Interventions</i> , 2018 , 92, 574-582	2.7	3
29	Management of an anterior mediastinal pheochromocytoma causing tracheomalacia. <i>Annals of Thoracic Surgery</i> , 2007 , 84, 2088-90	2.7	3
28	Regurgitant Bicuspid Aortopathy: Is Valve-Sparing Root Replacement Equivalent to Bentall Procedure?. <i>Annals of Thoracic Surgery</i> , 2021 , 112, 737-745	2.7	3
27	Bicuspid aortic valve sparing root replacement. <i>Journal of Cardiac Surgery</i> , 2021 , 36, 118-123	1.3	3
26	The impact of thoracic endovascular aortic repair on long-term survival in type B aortic dissection: response to editorial. <i>Annals of Translational Medicine</i> , 2018 , 6, 72	3.2	2
25	Clinical and Virological Response to a Neutralizing Monoclonal Antibody for Hospitalized Patients with COVID-19		2
24	Salvage Coronary Artery Bypass Predicts Increased Mortality During Aortic Root Operation. <i>Annals of Thoracic Surgery</i> , 2018 , 106, 1727-1734	2.7	2
23	Preoperative Eccentric Aortic Regurgitation and Outcomes Following Valve-Sparing Root Replacement. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2021 , 33, 627-634	1.7	2
22	Chimney endovascular technique for acute retrograde type A dissection in a Jehovah's Witness. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019 , 157, e305-e307	1.5	1
21	Outcomes Following Shock Aortic Valve Replacement: Transcatheter Versus Surgical Approaches. <i>Cardiovascular Revascularization Medicine</i> , 2020 , 21, 1313-1318	1.6	1
20	Heparin-Induced Thrombocytopenia in Patients Undergoing Valvular and Aortic Surgery: A Modern Assessment of Risk. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2020 , 15, 229-234	1.5	1
19	Awake Thoracic Endovascular Aneurysm Repair for Aortic Rupture: A Case Series. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , 2018 , 30, 36-39	1.7	1
18	Why randomized clinical trials are important to cardiac surgeons. <i>Current Opinion in Cardiology</i> , 2011 , 26, 536-40	2.1	1

17	Anterior approach to traumatic mid aortic arch transection. <i>Annals of Thoracic Surgery</i> , 2006 , 81, 343-5	2.7	1
16	Ventricular apical access and closure, and re-access devices to facilitate mitral valve interventions. <i>Annals of Cardiothoracic Surgery</i> , 2015 , 4, 257-60	4.7	1
15	Permissive Hypertension and Selective Cerebrospinal Fluid Drainage for Extended TEVAR for Acute Type B Dissection: Reply. <i>Annals of Thoracic Surgery</i> , 2020 , 110, 1435-1436	2.7	1
14	Benchmarking Outcomes: Reoperation for Aortic Valve Patient-Prosthesis Mismatch. <i>Annals of Thoracic Surgery</i> , 2021 , 111, 1472-1477	2.7	1
13	Retrospective Comparative Analysis of Computed Tomography Findings of Acute and Chronic Aortic Dissections and Intramural Hematomas. <i>Journal of Thoracic Imaging</i> , 2019 , 34, 400-403	5.6	1
12	Surveillance Recommendations after Thoracic Endovascular Aortic Repair Should Be Based on Initial Indication for Repair. <i>Annals of Vascular Surgery</i> , 2019 , 57, 51-59	1.7	1
11	Fifteen Years of Aortic Valve-sparing Root Replacement and Impact of Eccentric Jets on Late Outcomes. <i>Annals of Thoracic Surgery</i> , 2021 , 112, 1901-1907	2.7	1
10	Central arch reconstruction and thoracic endovascular aortic repair for complicated acute type B aortic dissection with aberrant right subclavian artery.. <i>JTCVS Techniques</i> , 2021 , 10, 178-180	0.2	1
9	Stent Graft Oversizing is Associated with an Increased Risk of Long-Term Left Ventricular Wall Thickening in Young Patients Following Thoracic Endovascular Aortic Repair. <i>Annals of Vascular Surgery</i> , 2021 , 76, 66-72	1.7	0
8	Transcatheter Aortic Valve Replacement: Current Technology and Future Directions. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2016 , 11, 234-42	1.5	0
7	Commentary: Radiographic stroke: The silent killer?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020 ,	1.5	
6	Invited commentary. <i>Annals of Thoracic Surgery</i> , 2014 , 98, 596-7	2.7	
5	Thoracic aortic disease582-584		
4	Transcatheter Aortic Valve Replacement: Current Technology and Future Directions. <i>Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery</i> , 2016 , 11, 234-242	1.5	
3	Invited Commentary. <i>Annals of Thoracic Surgery</i> , 2020 , 109, 435-436	2.7	
2	Surgical Stroke Prevention: Total Arch Replacement With Carotid Replacement in Type A Dissection. <i>Annals of Thoracic Surgery</i> , 2021 , 112, 1242	2.7	
1	Commentary: Thoracic endovascular aortic repair for uncomplicated acute type B aortic dissection: It's not a complicated decision. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021 ,	1.5	