

# Michael K Pasque

## 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.

96  
papers

3,256  
citations

30  
h-index

55  
g-index

105  
ext. papers

3,674  
ext. citations

3.3  
avg, IF

4.54  
L-index

#	Paper	IF	Citations
96	Improved technique for bilateral lung transplantation: rationale and initial clinical experience. <i>Annals of Thoracic Surgery</i> , <b>1990</b> , 49, 785-91	2.7	292
95	The role of transbronchial lung biopsy in the treatment of lung transplant recipients. An analysis of 200 consecutive procedures. <i>Chest</i> , <b>1992</b> , 102, 1049-54	5.3	176
94	Late-onset driveline infections: the Achilles heel of prolonged left ventricular assist device support. <i>Annals of Thoracic Surgery</i> , <b>2007</b> , 84, 515-20	2.7	166
93	Repair of ischemic mitral regurgitation does not increase mortality or improve long-term survival in patients undergoing coronary artery revascularization: a propensity analysis. <i>Annals of Thoracic Surgery</i> , <b>2004</b> , 78, 794-9; discussion 794-9	2.7	138
92	Does the extent of proximal or distal resection influence outcome for type A dissections?. <i>Annals of Thoracic Surgery</i> , <b>2001</b> , 71, 1244-9; discussion 1249-50	2.7	120
91	Mechanism underlying mechanical dysfunction in the border zone of left ventricular aneurysm: a finite element model study. <i>Annals of Thoracic Surgery</i> , <b>2001</b> , 71, 654-62	2.7	117
90	Single lung transplantation for pulmonary hypertension. Single institution experience in 34 patients. <i>Circulation</i> , <b>1995</b> , 92, 2252-8	16.7	112
89	Recurrent mitral regurgitation and risk factors for early and late mortality after mitral valve repair for functional ischemic mitral regurgitation. <i>Annals of Thoracic Surgery</i> , <b>2008</b> , 85, 1537-42; discussion 1542-3	2.7	108
88	Bilateral sequential lung transplantation: the procedure of choice for double-lung replacement. <i>Annals of Thoracic Surgery</i> , <b>1991</b> , 52, 438-45; discussion 445-6	2.7	107
87	Prosthesis-patient mismatch after aortic valve replacement: impact of age and body size on late survival. <i>Annals of Thoracic Surgery</i> , <b>2006</b> , 81, 481-8; discussion 489	2.7	98
86	Lung transplantation for pulmonary vascular disease. <i>Annals of Thoracic Surgery</i> , <b>2002</b> , 73, 209-17; discussion 217-9	2.7	71
85	Pulmonary transplantation. <i>Annals of Surgery</i> , <b>1995</b> , 221, 14-28	7.8	71
84	Single lung transplantation for pulmonary hypertension. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>1992</b> , 103, 475-482	1.5	67
83	The evolution of single lung transplantation for emphysema. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>1991</b> , 102, 333-341	1.5	67
82	An inverse approach to determining myocardial material properties. <i>Journal of Biomechanics</i> , <b>1995</b> , 28, 935-48	2.9	66
81	Predictors, frequency, and indications for cardiopulmonary bypass during lung transplantation in adults. <i>Annals of Thoracic Surgery</i> , <b>1994</b> , 57, 1248-51	2.7	60
80	Management of dysfunction in the transplanted lung: experience with 7 clinical cases. Washington University Lung Transplant Group. <i>Annals of Thoracic Surgery</i> , <b>1992</b> , 53, 635-41	2.7	60

79	Low-dose dobutamine tissue-tagged magnetic resonance imaging with 3-dimensional strain analysis allows assessment of myocardial viability in patients with ischemic cardiomyopathy. <i>Circulation</i> , <b>2006</b> , 114, 133-6	16.7	59
78	Impact of complete revascularization on long-term survival after coronary artery bypass grafting in octogenarians. <i>Annals of Thoracic Surgery</i> , <b>2005</b> , 80, 112-6; discussion 116-7	2.7	55
77	Radial artery patency: are aortocoronary conduits superior to composite grafting?. <i>Annals of Thoracic Surgery</i> , <b>2003</b> , 76, 1498-503; discussion 1503-4	2.7	55
76	Lung transplantation of ventilator-dependent patients. The Washington University Lung Transplantation Group. <i>Chest</i> , <b>1992</b> , 101, 8-11	5.3	45
75	Hypertensive left ventricular hypertrophy is associated with abnormal myocardial fatty acid metabolism and myocardial efficiency. <i>Journal of Nuclear Cardiology</i> , <b>2006</b> , 13, 369-77	2.1	43
74	Options for repair of a bicuspid aortic valve and ascending aortic aneurysm. <i>Annals of Thoracic Surgery</i> , <b>2000</b> , 69, 1333-7	2.7	43
73	Differences in early results after single-lung transplantation. Washington University Lung Transplant Group. <i>Annals of Thoracic Surgery</i> , <b>1994</b> , 58, 1327-34; discussion 1334-5	2.7	43
72	POINT: Prosthesis-patient mismatch does not affect survival for patients greater than 70 years of age undergoing bioprosthetic aortic valve replacement. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2009</b> , 137, 278-83	1.5	42
71	Significance of neurologic complications in the modern era of cardiac transplantation. <i>Annals of Thoracic Surgery</i> , <b>2007</b> , 83, 1684-90	2.7	38
70	Mechanical dysfunction in the border zone of an ovine model of left ventricular aneurysm. <i>Annals of Thoracic Surgery</i> , <b>1995</b> , 60, 986-97; discussion 998	2.7	38
69	Influence of internal mammary artery grafting and completeness of revascularization on long-term outcome in octogenarians. <i>Annals of Thoracic Surgery</i> , <b>2001</b> , 72, 2003-7	2.7	32
68	Unintended consequences of changes to lung allocation policy. <i>American Journal of Transplantation</i> , <b>2019</b> , 19, 2164-2167	8.7	30
67	Magnetic resonance imaging detects significant sex differences in human myocardial strain. <i>BioMedical Engineering OnLine</i> , <b>2011</b> , 10, 76	4.1	29
66	Myocardial material property determination in the in vivo heart using magnetic resonance imaging. <i>International Journal of Cardiovascular Imaging</i> , <b>1996</b> , 12, 153-67		29
65	A validation of two-dimensional in vivo regional strain computed from displacement encoding with stimulated echoes (DENSE), in reference to tagged magnetic resonance imaging and studies in repeatability. <i>Annals of Biomedical Engineering</i> , <b>2014</b> , 42, 541-54	4.7	28
64	Standardizing thoracic organ procurement for transplantation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2010</b> , 139, 13-7	1.5	28
63	The impact of surgical strategy on survival after repair of type A aortic dissection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2015</b> , 150, 294-301.e1	1.5	27
62	Impact of perfusion strategy on neurologic recovery in acute type A aortic dissection. <i>Annals of Thoracic Surgery</i> , <b>2007</b> , 83, 2122-8; discussion 2128-9	2.7	26

61	The profound impact of combined severe acidosis and malperfusion on operative mortality in the surgical treatment of type A aortic dissection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2018</b> , 155, 897-904	1.5	25
60	Surgical management of Novacor drive-line exit site infections. <i>Annals of Thoracic Surgery</i> , <b>2002</b> , 74, 1267-8	2.8	24
59	Evaluation of revascularization subtypes in octogenarians undergoing coronary artery bypass grafting. <i>Circulation</i> , <b>2009</b> , 120, S65-9	16.7	23
58	Severe aortic insufficiency and normal systolic function: determining regional left ventricular wall stress by finite-element analysis. <i>Annals of Thoracic Surgery</i> , <b>2003</b> , 76, 668-75; discussion 675	2.7	22
57	Complete Coronary Revascularization Improves Survival in Octogenarians. <i>Annals of Thoracic Surgery</i> , <b>2016</b> , 102, 505-11	2.7	22
56	Regional myocardial contractile function: multiparametric strain mapping. <i>Interactive Cardiovascular and Thoracic Surgery</i> , <b>2010</b> , 10, 953-7	1.8	20
55	Magnetic resonance imaging-based multiparametric systolic strain analysis and regional contractile heterogeneity in patients with dilated cardiomyopathy. <i>Journal of Heart and Lung Transplantation</i> , <b>2009</b> , 28, 388-94	5.8	20
54	Noninvasive, quantitative assessment of left ventricular function in ischemic cardiomyopathy. <i>Journal of Surgical Research</i> , <b>2004</b> , 116, 187-96	2.5	20
53	MRI-radiofrequency tissue tagging in patients with aortic insufficiency before and after operation. <i>Annals of Thoracic Surgery</i> , <b>1998</b> , 65, 943-50	2.7	19
52	Myocardial viability mapping by magnetic resonance-based multiparametric systolic strain analysis. <i>Annals of Thoracic Surgery</i> , <b>2008</b> , 86, 1546-53	2.7	19
51	The effect of PEEP on left ventricular diastolic dimensions and systolic performance following myocardial revascularization. <i>Annals of Thoracic Surgery</i> , <b>1982</b> , 33, 585-92	2.7	19
50	Chest computed tomography imaging improves potential lung donor assessment. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2019</b> , 157, 1711-1718.e1	1.5	18
49	Factors affecting survival after mitral valve replacement in patients with prosthesis-patient mismatch. <i>Annals of Thoracic Surgery</i> , <b>2010</b> , 90, 1202-10; discussion 1210-1	2.7	18
48	Myocardial systolic strain is decreased after aortic valve replacement in patients with aortic insufficiency. <i>Annals of Thoracic Surgery</i> , <b>2005</b> , 80, 2186-92	2.7	18
47	Three-dimensional regional strain computation method with displacement encoding with stimulated echoes (DENSE) in non-ischemic, non-valvular dilated cardiomyopathy patients and healthy subjects validated by tagged MRI. <i>Journal of Magnetic Resonance Imaging</i> , <b>2015</b> , 41, 386-96	5.6	16
46	Radial artery free and T graft patency as coronary artery bypass conduit over a 15-year period. <i>Circulation</i> , <b>2012</b> , 126, S140-4	16.7	16
45	Survival of patients removed from the heart transplant waiting list. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2004</b> , 127, 1481-5	1.5	15
44	The mechanism of halothane-induced myocardial depression. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>1983</b> , 85, 832-838	1.5	15

43	Principal strain orientation in the normal human left ventricle. <i>Annals of Thoracic Surgery</i> , <b>2005</b> , 79, 1338-43	14
42	Ventricular function after coronary artery bypass grafting: evaluation by magnetic resonance imaging and myocardial strain analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2004</b> , 128, 76-82	1.5 14
41	Hybrid DANTE and phase-contrast imaging technique for measurement of three-dimensional myocardial wall motion. <i>Journal of Magnetic Resonance Imaging</i> , <b>1995</b> , 5, 101-6	5.6 14
40	Mathematical three-dimensional solid modeling of biventricular geometry. <i>Annals of Biomedical Engineering</i> , <b>1993</b> , 21, 199-219	4.7 14
39	Quality of Life After Aortic Valve Replacement at the Age of >80 Years. <i>Circulation</i> , <b>2000</b> , 102,	16.7 14
38	Long-Term Survival Prediction for Coronary Artery Bypass Grafting: Validation of the ASCERT Model Compared With The Society of Thoracic Surgeons Predicted Risk of Mortality. <i>Annals of Thoracic Surgery</i> , <b>2018</b> , 105, 1336-1343	2.7 11
37	Left ventricular wall stress in patients with severe aortic insufficiency with finite element analysis. <i>Annals of Thoracic Surgery</i> , <b>2006</b> , 82, 840-6	2.7 11
36	Heterogeneous distribution of left ventricular contractile injury in chronic aortic insufficiency. <i>Annals of Thoracic Surgery</i> , <b>2012</b> , 93, 1121-7	2.7 9
35	Pulmonary "twinning" procedure: use of lungs from one donor for single-lung transplantation in two recipients. <i>Annals of Thoracic Surgery</i> , <b>1992</b> , 54, 1189-92	2.7 9
34	Regional myocardial stress distribution from magnetic resonance image-based mathematical models. <i>Annals of Thoracic Surgery</i> , <b>1991</b> , 52, 276-84	2.7 9
33	Fontan hemodynamics. <i>Journal of Cardiac Surgery</i> , <b>1988</b> , 3, 45-52	1.3 9
32	Impact of Surgical Experience on Operative Mortality After Reoperative Cardiac Surgery. <i>Annals of Thoracic Surgery</i> , <b>2020</b> , 110, 1909-1916	2.7 9
31	The Strongest Risk Factor for Operative Mortality in Acute Type A Aortic Dissection is Acidosis: Validation of Risk Model. <i>Seminars in Thoracic and Cardiovascular Surgery</i> , <b>2020</b> , 32, 674-680	1.7 8
30	Ventricular interaction in the pathologic heart. A model based study. <i>ASAIO Journal</i> , <b>1994</b> , 40, M773-83	3.6 7
29	The Use of Synthetic Electronic Health Record Data and Deep Learning to Improve Timing of High-Risk Heart Failure Surgical Intervention by Predicting Proximity to Catastrophic Decompensation. <i>Frontiers in Digital Health</i> , <b>2020</b> , 2, 576945	2.3 7
28	Early left ventricular regional contractile impairment in chronic mitral regurgitation occurs in a consistent, heterogeneous pattern. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2014</b> , 148, 1694-9	1.5 6
27	MRI-based multiparametric strain analysis predicts contractile recovery after aortic valve replacement for aortic insufficiency. <i>Journal of Cardiac Surgery</i> , <b>2012</b> , 27, 415-22	1.3 6
26	Operative strategies to reduce complications in Novacor left ventricular assist device placement. <i>Journal of Cardiac Surgery</i> , <b>2004</b> , 19, 329-35	1.3 6

25	Mathematic modeling and cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2002</b> , 123, 617-20	1.5	6
24	The influence of time on the response to dopamine after coronary artery bypass grafting: assessment of left ventricular performance and contractility using pressure/dimension analyses. <i>Annals of Thoracic Surgery</i> , <b>1983</b> , 35, 3-13	2.7	6
23	Topographic mapping of left ventricular regional contractile injury in ischemic mitral regurgitation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2017</b> , 154, 149-158.e1	1.5	5
22	Dilated Cardiomyopathy: Normalized Multiparametric Myocardial Strain Predicts Contractile Recovery. <i>Annals of Thoracic Surgery</i> , <b>2015</b> , 100, 1284-91	2.7	5
21	Extreme mentoring in cardiothoracic surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2015</b> , 150, 785-9	1.5	5
20	Electromechanics of the Normal Human Heart In Situ. <i>Circulation: Arrhythmia and Electrophysiology</i> , <b>2019</b> , 12, e007484	6.4	5
19	Altered Left Ventricular Geometry Changes the Border Zone Temporal Distribution of Stress in an Experimental Model of Left Ventricular Aneurysm: A Finite Element Model Study. <i>Circulation</i> , <b>2002</b> , 106,	16.7	5
18	Machine Learning Outcome Prediction in Dilated Cardiomyopathy Using Regional Left Ventricular Multiparametric Strain. <i>Annals of Biomedical Engineering</i> , <b>2021</b> , 49, 922-932	4.7	5
17	Heterogeneity of systolic dysfunction in patients with severe aortic stenosis and preserved ejection fraction. <i>Journal of Cardiac Surgery</i> , <b>2017</b> , 32, 454-461	1.3	4
16	Aortic valve replacement for aortic insufficiency: valve type as a determinant of systolic strain recovery. <i>Journal of Cardiac Surgery</i> , <b>2005</b> , 20, 524-9	1.3	4
15	Economic evaluation of the specialized donor care facility for thoracic organ donor management. <i>Journal of Thoracic Disease</i> , <b>2020</b> , 12, 5709-5717	2.6	4
14	Comparison of outcomes in lung and heart transplant recipients from the same multiorgan donor. <i>Clinical Transplantation</i> , <b>2020</b> , 34, e13768	3.8	4
13	Quantifying "normalized" regional left ventricular contractile function in ischemic coronary artery disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2015</b> , 150, 240-6	1.5	3
12	Reassessing right ventricular function and ventricular interaction: the role of global myocardial contractile mechanics. <i>Journal of Cardiac Surgery</i> , <b>1986</b> , 1, 393-402	1.3	3
11	Impact of Nighttime Lung Transplantation on Outcomes and Costs. <i>Annals of Thoracic Surgery</i> , <b>2021</b> , 112, 206-213	2.7	3
10	Clinical Features and Outcomes of Combined Pulmonary Fibrosis and Emphysema After Lung Transplantation. <i>Chest</i> , <b>2021</b> , 160, 1743-1750	5.3	3
9	A different kind of "total artificial heart": the interactive, computer-based human heart model. <i>Annals of Thoracic Surgery</i> , <b>2002</b> , 73, 1032-4	2.7	2
8	Should UNOS Status 2 patients undergo transplantation?. <i>Heart Surgery Forum</i> , <b>2006</b> , 9, E823-7	0.7	2

7	The Impact of Center Volume on Outcomes in Lung Transplantation. <i>Annals of Thoracic Surgery</i> , <b>2021</b> ,	2.7	2
6	Donor management using a specialized donor care facility is associated with higher organ utilization from drug overdose donors. <i>Clinical Transplantation</i> , <b>2021</b> , 35, e14178	3.8	2
5	Transplantation of Lungs Procured From a Donor With an Atrioesophageal Fistula. <i>Annals of Thoracic Surgery</i> , <b>2019</b> , 107, e121-e122	2.7	1
4	Clinical Outcomes of Lung Transplants From Donors With Unexpected Pulmonary Embolism. <i>Annals of Thoracic Surgery</i> , <b>2021</b> , 112, 387-394	2.7	1
3	Association of STS database variables with repair durability in ischemic mitral regurgitation using machine learning. <i>Journal of Cardiac Surgery</i> , <b>2022</b> , 37, 76-83	1.3	0
2	Different-team procurements: A potential solution for the unintended consequences of change in lung allocation policy. <i>American Journal of Transplantation</i> , <b>2021</b> , 21, 3101-3111	8.7	0
1	Incidentally Detected Chronic Lymphocytic Leukemia in Hilar Lymph Nodes at the Time of Lung Transplantation: A Case Report. <i>Transplantation Proceedings</i> , <b>2021</b> , 53, 2619-2621	1.1	