

Michael K Pasque

List of Publications by Year in descending order

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104
papers

4,025
citations

117453

34
h-index

123241

61
g-index

105
all docs

105
docs citations

105
times ranked

2928
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved technique for bilateral lung transplantation: Rationale and initial clinical experience. <i>Annals of Thoracic Surgery</i> , 1990, 49, 785-791.	0.7	346
2	The Role of Transbronchial Lung Biopsy in the Treatment of Lung Transplant Recipients. <i>Chest</i> , 1992, 102, 1049-1054.	0.4	202
3	Late-Onset Driveline Infections: The Achillesâ€™ Heel of Prolonged Left Ventricular Assist Device Support. <i>Annals of Thoracic Surgery</i> , 2007, 84, 515-520.	0.7	191
4	Single Lung Transplantation for Pulmonary Hypertension. <i>Circulation</i> , 1995, 92, 2252-2258.	1.6	150
5	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> , 2004, 78, 794-799.	0.7	149
6	Does the extent of proximal or distal resection influence outcome for type A dissections?. <i>Annals of Thoracic Surgery</i> , 2001, 71, 1244-1249.	0.7	139
7	Bilateral sequential lung transplantation: The procedure of choice for double-lung replacement. <i>Annals of Thoracic Surgery</i> , 1991, 52, 438-446.	0.7	137
8	Mechanism underlying mechanical dysfunction in the border zone of left ventricular aneurysm: a finite element model study. <i>Annals of Thoracic Surgery</i> , 2001, 71, 654-662.	0.7	133
9	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> , 2008, 85, 1537-1543.	0.7	123
10	Prosthesis-Patient Mismatch After Aortic Valve Replacement: Impact of Age and Body Size on Late Survival. <i>Annals of Thoracic Surgery</i> , 2006, 81, 481-489.	0.7	120
11	Lung transplantation for pulmonary vascular disease. <i>Annals of Thoracic Surgery</i> , 2002, 73, 209-219.	0.7	101
12	Single lung transplantation for pulmonary hypertension. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1992, 103, 475-482.	0.4	92
13	Predictors, frequency, and indications for cardiopulmonary bypass during lung transplantation in adults. <i>Annals of Thoracic Surgery</i> , 1994, 57, 1248-1251.	0.7	78
14	Pulmonary Transplantation. <i>Annals of Surgery</i> , 1995, 221, 14-28.	2.1	78
15	An inverse approach to determining myocardial material properties. <i>Journal of Biomechanics</i> , 1995, 28, 935-948.	0.9	76
16	The evolution of single lung transplantation for emphysema. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1991, 102, 333-341.	0.4	74
17	Management of dysfunction in the transplanted lung: Experience with 7 clinical cases. <i>Annals of Thoracic Surgery</i> , 1992, 53, 635-641.	0.7	70
18	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> , 2006, 114, I-33-I-36.	1.6	68

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19	Radial artery patency: are aortocoronary conduits superior to composite grafting?. <i>Annals of Thoracic Surgery</i> , 2003, 76, 1498-1504.	0.7	66
20	Impact of Complete Revascularization on Long-Term Survival After Coronary Artery Bypass Grafting in Octogenarians. <i>Annals of Thoracic Surgery</i> , 2005, 80, 112-117.	0.7	61
21	Lung Transplantation of Ventilator-Dependent Patients. <i>Chest</i> , 1992, 101, 8-11.	0.4	54
22	Options for repair of a bicuspid aortic valve and ascending aortic aneurysm. <i>Annals of Thoracic Surgery</i> , 2000, 69, 1333-1337.	0.7	53
23	Differences in early results after single-lung transplantation. <i>Annals of Thoracic Surgery</i> , 1994, 58, 1327-1335.	0.7	51
24	Hypertensive left ventricular hypertrophy is associated with abnormal myocardial fatty acid metabolism and myocardial efficiency. <i>Journal of Nuclear Cardiology</i> , 2006, 13, 369-377.	1.4	50
25	Significance of Neurologic Complications in the Modern Era of Cardiac Transplantation. <i>Annals of Thoracic Surgery</i> , 2007, 83, 1684-1690.	0.7	48
26	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> , 2009, 137, 278-283.	0.4	48
27	The impact of surgical strategy on survival after repair of type A aortic dissection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015, 150, 294-301.e1.	0.4	47
28	Mechanical dysfunction in the border zone of an ovine model of left ventricular aneurysm. <i>Annals of Thoracic Surgery</i> , 1995, 60, 986-998.	0.7	45
29	Unintended consequences of changes to lung allocation policy. <i>American Journal of Transplantation</i> , 2019, 19, 2164-2167.	2.6	44
30	Standardizing thoracic organ procurement for transplantation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2010, 139, 13-17.	0.4	41
31	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> , 2014, 42, 541-554.	1.3	37
32	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> , 2018, 155, 897-904.	0.4	37
33	Myocardial material property determination in the in vivo heart using magnetic resonance imaging. <i>International Journal of Cardiovascular Imaging</i> , 1996, 12, 153-167.	0.2	36
34	Influence of internal mammary artery grafting and completeness of revascularization on long-term outcome in octogenarians. <i>Annals of Thoracic Surgery</i> , 2001, 72, 2003-2007.	0.7	35
35	Impact of Perfusion Strategy on Neurologic Recovery in Acute Type A Aortic Dissection. <i>Annals of Thoracic Surgery</i> , 2007, 83, 2122-2129.	0.7	35
36	Magnetic resonance imaging detects significant sex differences in human myocardial strain. <i>BioMedical Engineering OnLine</i> , 2011, 10, 76.	1.3	33

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37	Chest computed tomography imaging improves potential lung donor assessment. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 1711-1718.e1.	0.4	30
38	Evaluation of Revascularization Subtypes in Octogenarians Undergoing Coronary Artery Bypass Grafting. <i>Circulation</i> , 2009, 120, S65-9.	1.6	28
39	Surgical management of Novacor drive-line exit site infections. <i>Annals of Thoracic Surgery</i> , 2002, 74, 1267-1268.	0.7	27
40	Complete Coronary Revascularization Improves Survival in Octogenarians. <i>Annals of Thoracic Surgery</i> , 2016, 102, 505-511.	0.7	27
41	Severe aortic insufficiency and normal systolic function: determining regional left ventricular wall stress by finite-element analysis. <i>Annals of Thoracic Surgery</i> , 2003, 76, 668-675.	0.7	24
42	Noninvasive, quantitative assessment of left ventricular function in ischemic cardiomyopathy. <i>Journal of Surgical Research</i> , 2004, 116, 187-196.	0.8	22
43	Myocardial Viability Mapping by Magnetic Resonance-Based Multiparametric Systolic Strain Analysis. <i>Annals of Thoracic Surgery</i> , 2008, 86, 1546-1553.	0.7	22
44	Factors Affecting Survival After Mitral Valve Replacement in Patients With Prosthesisâ€“Patient Mismatch. <i>Annals of Thoracic Surgery</i> , 2010, 90, 1202-1211.	0.7	22
45	Three-dimensional regional strain computation method with displacement encoding with stimulated echoes (DENSE) in nonischemic, nonvalvular dilated cardiomyopathy patients and healthy subjects validated by tagged MRI. <i>Journal of Magnetic Resonance Imaging</i> , 2015, 41, 386-396.	1.9	22
46	The Effect of PEEP on Left Ventricular Diastolic Dimensions and Systolic Performance Following Myocardial Revascularization. <i>Annals of Thoracic Surgery</i> , 1982, 33, 585-592.	0.7	21
47	MRI-Radiofrequency Tissue Tagging in Patients With Aortic Insufficiency Before and After Operation. <i>Annals of Thoracic Surgery</i> , 1998, 65, 943-950.	0.7	21
48	Regional myocardial contractile function: multiparametric strain mapping†. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2010, 10, 953-957.	0.5	21
49	Radial Artery Free and T Graft Patency as Coronary Artery Bypass Conduit Over a 15-Year Period. <i>Circulation</i> , 2012, 126, S140-4.	1.6	21
50	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> , 2020, 2, 576945.	1.5	21
51	Magnetic Resonance Imagingâ€“based Multiparametric Systolic Strain Analysis and Regional Contractile Heterogeneity in Patients With Dilated Cardiomyopathy. <i>Journal of Heart and Lung Transplantation</i> , 2009, 28, 388-394.	0.3	20
52	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> , 2002, 106, .	1.6	20
53	Hybrid dante and phase-contrast imaging technique for measurement of three- dimensional myocardial wall motion. <i>Journal of Magnetic Resonance Imaging</i> , 1995, 5, 101-106.	1.9	19
54	Survival of patients removed from the heart transplant waiting list. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2004, 127, 1481-1485.	0.4	19

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55	Myocardial Systolic Strain is Decreased After Aortic Valve Replacement in Patients With Aortic Insufficiency. <i>Annals of Thoracic Surgery</i> , 2005, 80, 2186-2192.	0.7	19
56	Ventricular function after coronary artery bypass grafting: Evaluation by magnetic resonance imaging and myocardial strain analysis. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2004, 128, 76-82.	0.4	17
57	Quality of Life After Aortic Valve Replacement at the Age of >80 Years. <i>Circulation</i> , 2000, 102, .	1.6	17
58	The Impact of Center Volume on Outcomes in Lung Transplantation. <i>Annals of Thoracic Surgery</i> , 2022, 113, 911-917.	0.7	16
59	The mechanism of halothane-induced myocardial depression. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1983, 85, 832-838.	0.4	15
60	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> , 2018, 105, 1336-1343.	0.7	15
61	Impact of Surgical Experience on Operative Mortality After Reoperative Cardiac Surgery. <i>Annals of Thoracic Surgery</i> , 2020, 110, 1909-1916.	0.7	15
62	Mathematical three-dimensional solid modeling of biventricular geometry. <i>Annals of Biomedical Engineering</i> , 1993, 21, 199-219.	1.3	14
63	Principal Strain Orientation in the Normal Human Left Ventricle. <i>Annals of Thoracic Surgery</i> , 2005, 79, 1338-1343.	0.7	14
64	Left Ventricular Wall Stress in Patients With Severe Aortic Insufficiency With Finite Element Analysis. <i>Annals of Thoracic Surgery</i> , 2006, 82, 840-846.	0.7	13
65	Pulmonary "œtwinning" procedures: Use of lungs from one donor for single-lung transplantation in two recipients. <i>Annals of Thoracic Surgery</i> , 1992, 54, 1189-1192.	0.7	12
66	Impact of Nighttime Lung Transplantation on Outcomes and Costs. <i>Annals of Thoracic Surgery</i> , 2021, 112, 206-213.	0.7	12
67	Clinical Features and Outcomes of Combined Pulmonary Fibrosis and Emphysema After Lung Transplantation. <i>Chest</i> , 2021, 160, 1743-1750.	0.4	12
68	Economic evaluation of the specialized donor care facility for thoracic organ donor management. <i>Journal of Thoracic Disease</i> , 2020, 12, 5709-5717.	0.6	11
69	Heterogeneous Distribution of Left Ventricular Contractile Injury in Chronic Aortic Insufficiency. <i>Annals of Thoracic Surgery</i> , 2012, 93, 1121-1127.	0.7	10
70	Early left ventricular regional contractile impairment in chronic mitral regurgitation occurs in a consistent, heterogeneous pattern. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 1694-1699.	0.4	10
71	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> , 2020, 32, 674-680.	0.4	10
72	Fontan Hemodynamics. <i>Journal of Cardiac Surgery</i> , 1988, 3, 45-52.	0.3	9

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73	Regional myocardial stress distribution from magnetic resonance image-based mathematical models. <i>Annals of Thoracic Surgery</i> , 1991, 52, 276-284.	0.7	9
74	Topographic mapping of left ventricular regional contractile injury in ischemic mitral regurgitation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 154, 149-158.e1.	0.4	9
75	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> , 1983, 35, 3-13.	0.7	8
76	Ventricular Interaction in the Pathologic Heart. <i>ASAIO Journal</i> , 1994, 40, M773-M783.	0.9	8
77	Operative Strategies to Reduce Complications in Novacor Left Ventricular Assist Device Placement. <i>Journal of Cardiac Surgery</i> , 2004, 19, 329-335.	0.3	8
78	Extreme mentoring in cardiothoracic surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015, 150, 785-789.	0.4	8
79	Machine Learning Outcome Prediction in Dilated Cardiomyopathy Using Regional Left Ventricular Multiparametric Strain. <i>Annals of Biomedical Engineering</i> , 2021, 49, 922-932.	1.3	8
80	Mathematic modeling and cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2002, 123, 617-620.	0.4	7
81	MRI-based Multiparametric Strain Analysis Predicts Contractile Recovery after Aortic Valve Replacement for Aortic Insufficiency. <i>Journal of Cardiac Surgery</i> , 2012, 27, 415-422.	0.3	7
82	Comparison of outcomes in lung and heart transplant recipients from the same multiorgan donor. <i>Clinical Transplantation</i> , 2020, 34, e13768.	0.8	7
83	Donor management using a specialized donor care facility is associated with higher organ utilization from drug overdose donors. <i>Clinical Transplantation</i> , 2021, 35, e14178.	0.8	7
84	30 Years of Heart Transplant: Outcomes After Mechanical Circulatory Support From a Single Center. <i>Annals of Thoracic Surgery</i> , 2021, , .	0.7	7
85	Dilated Cardiomyopathy: Normalized Multiparametric Myocardial Strain Predicts Contractile Recovery. <i>Annals of Thoracic Surgery</i> , 2015, 100, 1284-1291.	0.7	6
86	Quantifying "normalized" regional left ventricular contractile function in ischemic coronary artery disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2015, 150, 240-246.	0.4	6
87	Cardiothoracic Organ Procurement for Transplantation: How I Teach It. <i>Annals of Thoracic Surgery</i> , 2016, 102, 1042-1045.	0.7	6
88	Electromechanics of the Normal Human Heart In Situ. <i>Circulation: Arrhythmia and Electrophysiology</i> , 2019, 12, e007484.	2.1	6
89	Getting the most from your cardiothoracic surgical training: It's all about behavior. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 164, e257-e262.	0.4	6
90	Aortic Valve Replacement for Aortic Insufficiency: Valve Type as a Determinant of Systolic Strain Recovery. <i>Journal of Cardiac Surgery</i> , 2005, 20, 524-529.	0.3	5

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91	Heterogeneity of systolic dysfunction in patients with severe aortic stenosis and preserved ejection fraction. <i>Journal of Cardiac Surgery</i> , 2017, 32, 454-461.	0.3	5
92	Clinical Outcomes of Lung Transplants From Donors With Unexpected Pulmonary Embolism. <i>Annals of Thoracic Surgery</i> , 2021, 112, 387-394.	0.7	5
93	Different-team procurements: A potential solution for the unintended consequences of change in lung allocation policy. <i>American Journal of Transplantation</i> , 2021, 21, 3101-3111.	2.6	5
94	Competing Risks to Transplant in Bridging With Continuous-flow Left Ventricular Assist Devices. <i>Annals of Thoracic Surgery</i> , 2022, 114, 1276-1283.	0.7	5
95	Reassessing Right Ventricular Function and Ventricular Interaction: The Role of Global Myocardial Contractile Mechanics. <i>Journal of Cardiac Surgery</i> , 1986, 1, 393-402.	0.3	4
96	A different kind of "total artificial heart": the interactive, computer-based human heart model. <i>Annals of Thoracic Surgery</i> , 2002, 73, 1032-1034.	0.7	2
97	Should UNOS Status 2 Patients Undergo Transplantation?. <i>Heart Surgery Forum</i> , 2006, 9, E823-E827.	0.2	2
98	Not all that hibernates necessarily wakes up. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 153, 591-592.	0.4	1
99	Transplantation of Lungs Procured From a Donor With an Atrioesophageal Fistula. <i>Annals of Thoracic Surgery</i> , 2019, 107, e121-e122.	0.7	1
100	Incidentally Detected Chronic Lymphocytic Leukemia in Hilar Lymph Nodes at the Time of Lung Transplantation: A Case Report. <i>Transplantation Proceedings</i> , 2021, 53, 2619-2621.	0.3	1
101	Association of STS database variables with repair durability in ischemic mitral regurgitation using machine learning. <i>Journal of Cardiac Surgery</i> , 2022, 37, 76-83.	0.3	1
102	Transplantation of Donor Lung with Partial Anomalous Pulmonary Venous Return Using a Carrel Patch. <i>Annals of Thoracic Surgery</i> , 2022, , .	0.7	1
103	Clinical Features and Outcomes of Unplanned Single Lung Transplants. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, , .	0.4	1
104	Capitalizing on the mathematical foundation of cardiovascular physiology and the image processing capabilities of the human mind. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2016, 152, 428-429.	0.4	0