# Michael K Pasque

List of Publications by Year
in descending order



| 104 | 4,025 | 117625 | 123424 |
|---|---|---|---|
| papers | citations | 34 h-index | 61 g-index |

| 105 | 105 | 105 | 2928 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Improved technique for bilateral lung transplantation: Rationale and initial clinical experience. Annals of Thoracic Surgery, 1990, 49, 785-791. | 1.3 | 346 |
| 2 | The Role of Transbronchial Lung Biopsy in the Treatment of Lung Transplant Recipients. Chest, 1992, 102, 1049-1054. | 0.8 | 202 |
| 3 | Late-Onset Driveline Infections: The Achillesâ€™ Heel of Prolonged Left Ventricular Assist Device Support. Annals of Thoracic Surgery, 2007, 84, 515-520. | 1.3 | 191 |
| 4 | Single Lung Transplantation for Pulmonary Hypertension. Circulation, 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. Annals of Thoracic Surgery, 2004, 78, 794-799. | 1.3 | 149 |
| 6 | Does the extent of proximal or distal resection influence outcome for type A dissections?. Annals of Thoracic Surgery, 2001, 71, 1244-1249. | 1.3 | 139 |
| 7 | Bilateral sequential lung transplantation: The procedure of choice for double-lung replacement. Annals of Thoracic Surgery, 1991, 52, 438-446. | 1.3 | 137 |
| 8 | Mechanism underlying mechanical dysfunction in the border zone of left ventricular aneurysm: a finite element model study. Annals of Thoracic Surgery, 2001, 71, 654-662. | 1.3 | 133 |
| 9 | Recurrent Mitral Regurgitation and Risk Factors for Early and Late Mortality After Mitral Valve Repair for Functional Ischemic Mitral Regurgitation. Annals of Thoracic Surgery, 2008, 85, 1537-1543. | 1.3 | 123 |
| 10 | Prosthesis-Patient Mismatch After Aortic Valve Replacement: Impact of Age and Body Size on Late Survival. Annals of Thoracic Surgery, 2006, 81, 481-489. | 1.3 | 120 |
| 11 | Lung transplantation for pulmonary vascular disease. Annals of Thoracic Surgery, 2002, 73, 209-219. | 1.3 | 101 |
| 12 | Single lung transplantation for pulmonary hypertension. Journal of Thoracic and Cardiovascular Surgery, 1992, 103, 475-482. | 0.8 | 92 |
| 13 | Predictors, frequency, and indications for cardiopulmonary bypass during lung transplantation in adults. Annals of Thoracic Surgery, 1994, 57, 1248-1251. | 1.3 | 78 |
| 14 | Pulmonary Transplantation. Annals of Surgery, 1995, 221, 14-28. | 4.2 | 78 |
| 15 | An inverse approach to determining myocardial material properties. Journal of Biomechanics, 1995, 28, 935-948. | 2.1 | 76 |
| 16 | The evolution of single lung transplantation for emphysema. Journal of Thoracic and Cardiovascular Surgery, 1991, 102, 333-341. | 0.8 | 74 |
| 17 | Management of dysfunction in the transplanted lung: Experience with 7 clinical cases. Annals of Thoracic Surgery, 1992, 53, 635-641. | 1.3 | 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. Circulation, 2006, 114, I-33-I-36. | 1.6 | 68 |

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|---|---|---|---|
| 19 | Radial artery patency: are aortocoronary conduits superior to composite grafting?. Annals of Thoracic Surgery, 2003, 76, 1498-1504. | 1.3 | 66 |
| 20 | Impact of Complete Revascularization on Long-Term Survival After Coronary Artery Bypass Grafting in Octogenarians. Annals of Thoracic Surgery, 2005, 80, 112-117. | 1.3 | 61 |
| 21 | Lung Transplantation of Ventilator-Dependent Patients. Chest, 1992, 101, 8-11. | 0.8 | 54 |
| 22 | Options for repair of a bicuspid aortic valve and ascending aortic aneurysm. Annals of Thoracic Surgery, 2000, 69, 1333-1337. | 1.3 | 53 |
| 23 | Differences in early results after single-lung transplantation. Annals of Thoracic Surgery, 1994, 58, 1327-1335. | 1.3 | 51 |
| 24 | Hypertensive left ventricular hypertrophy is associated with abnormal myocardial fatty acid metabolism and myocardial efficiency. Journal of Nuclear Cardiology, 2006, 13, 369-377. | 2.1 | 50 |
| 25 | Significance of Neurologic Complications in the Modern Era of Cardiac Transplantation. Annals of Thoracic Surgery, 2007, 83, 1684-1690. | 1.3 | 48 |
| 26 | POINT: Prosthesisâ€“patient mismatch does not affect survival for patients greater than 70 years of age undergoing bioprosthetic aortic valve replacement. Journal of Thoracic and Cardiovascular Surgery, 2009, 137, 278-283. | 0.8 | 48 |
| 27 | The impact of surgical strategy on survival after repair of type A aortic dissection. Journal of Thoracic and Cardiovascular Surgery, 2015, 150, 294-301.e1. | 0.8 | 47 |
| 28 | Mechanical dysfunction in the border zone of an ovine model of left ventricular aneurysm. Annals of Thoracic Surgery, 1995, 60, 986-998. | 1.3 | 45 |
| 29 | Unintended consequences of changes to lung allocation policy. American Journal of Transplantation, 2019, 19, 2164-2167. | 4.7 | 44 |
| 30 | Standardizing thoracic organ procurement for transplantation. Journal of Thoracic and Cardiovascular Surgery, 2010, 139, 13-17. | 0.8 | 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. Annals of Biomedical Engineering, 2014, 42, 541-554. | 2.5 | 37 |
| 32 | The profound impact of combined severe acidosis and malperfusion on operative mortality in the surgical treatment of type A aortic dissection. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 897-904. | 0.8 | 37 |
| 33 | Myocardial material property determination in the in vivo heart using magnetic resonance imaging. International Journal of Cardiovascular Imaging, 1996, 12, 153-167. | 0.6 | 36 |
| 34 | Influence of internal mammary artery grafting and completeness of revascularization on long-term outcome in octogenarians. Annals of Thoracic Surgery, 2001, 72, 2003-2007. | 1.3 | 35 |
| 35 | Impact of Perfusion Strategy on Neurologic Recovery in Acute Type A Aortic Dissection. Annals of Thoracic Surgery, 2007, 83, 2122-2129. | 1.3 | 35 |
| 36 | Magnetic resonance imaging detects significant sex differences in human myocardial strain. BioMedical Engineering OnLine, 2011, 10, 76. | 2.7 | 33 |

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| 37 | Chest computed tomography imaging improves potential lung donor assessment. Journal of Thoracic and Cardiovascular Surgery, 2019, 157, 1711-1718.e1. | 0.8 | 30 |
| 38 | Evaluation of Revascularization Subtypes in Octogenarians Undergoing Coronary Artery Bypass Grafting. Circulation, 2009, 120, S65-9. | 1.6 | 28 |
| 39 | Surgical management of Novacor drive-line exit site infections. Annals of Thoracic Surgery, 2002, 74, 1267-1268. | 1.3 | 27 |
| 40 | Complete Coronary Revascularization Improves Survival in Octogenarians. Annals of Thoracic Surgery, 2016, 102, 505-511. | 1.3 | 27 |
| 41 | Severe aortic insufficiency and normal systolic function: determining regional left ventricular wall stress by finite-element analysis. Annals of Thoracic Surgery, 2003, 76, 668-675. | 1.3 | 24 |
| 42 | Noninvasive, quantitative assessment of left ventricular function in ischemic cardiomyopathy. Journal of Surgical Research, 2004, 116, 187-196. | 1.6 | 22 |
| 43 | Myocardial Viability Mapping by Magnetic Resonance-Based Multiparametric Systolic Strain Analysis. Annals of Thoracic Surgery, 2008, 86, 1546-1553. | 1.3 | 22 |
| 44 | Factors Affecting Survival After Mitral Valve Replacement in Patients With Prosthesisâ€“Patient Mismatch. Annals of Thoracic Surgery, 2010, 90, 1202-1211. | 1.3 | 22 |
| 45 | Threeâ€dimensional regional strain computation method with displacement encoding with stimulated echoes (DENSE) in nonâ€ischemic, nonâ€valvular dilated cardiomyopathy patients and healthy subjects validated by tagged MRI. Journal of Magnetic Resonance Imaging, 2015, 41, 386-396. | 3.4 | 22 |
| 46 | The Effect of PEEP on Left Ventricular Diastolic Dimensions and Systolic Performance Following Myocardial Revascularization. Annals of Thoracic Surgery, 1982, 33, 585-592. | 1.3 | 21 |
| 47 | MRI-Radiofrequency Tissue Tagging in Patients With Aortic Insufficiency Before and After Operation. Annals of Thoracic Surgery, 1998, 65, 943-950. | 1.3 | 21 |
| 48 | Regional myocardial contractile function: multiparametric strain mappingâ˜†. Interactive Cardiovascular and Thoracic Surgery, 2010, 10, 953-957. | 1.1 | 21 |
| 49 | Radial Artery Free and T Graft Patency as Coronary Artery Bypass Conduit Over a 15-Year Period. Circulation, 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. Frontiers in Digital Health, 2020, 2, 576945. | 2.8 | 21 |
| 51 | Magnetic Resonance Imagingâ€based Multiparametric Systolic Strain Analysis and Regional Contractile Heterogeneity in Patients With Dilated Cardiomyopathy. Journal of Heart and Lung Transplantation, 2009, 28, 388-394. | 0.6 | 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. Circulation, 2002, 106, . | 1.6 | 20 |
| 53 | Hybrid dante and phase-contrast imaging technique for measurement of three- dimensional myocardial wall motion. Journal of Magnetic Resonance Imaging, 1995, 5, 101-106. | 3.4 | 19 |
| 54 | Survival of patients removed from the heart transplant waiting list. Journal of Thoracic and Cardiovascular Surgery, 2004, 127, 1481-1485. | 0.8 | 19 |

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| 55 | Myocardial Systolic Strain is Decreased After Aortic Valve Replacement in Patients With Aortic Insufficiency. Annals of Thoracic Surgery, 2005, 80, 2186-2192. | 1.3 | 19 |
| 56 | Ventricular function after coronary artery bypass grafting: Evaluation by magnetic resonance imaging and myocardial strain analysis. Journal of Thoracic and Cardiovascular Surgery, 2004, 128, 76-82. | 0.8 | 17 |
| 57 | Quality of Life After Aortic Valve Replacement at the Age of >80 Years. Circulation, 2000, 102, . | 1.6 | 17 |
| 58 | The Impact of Center Volume on Outcomes in Lung Transplantation. Annals of Thoracic Surgery, 2022, 113, 911-917. | 1.3 | 16 |
| 59 | The mechanism of halothane-induced myocardial depression. Journal of Thoracic and Cardiovascular Surgery, 1983, 85, 832-838. | 0.8 | 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. Annals of Thoracic Surgery, 2018, 105, 1336-1343. | 1.3 | 15 |
| 61 | Impact of Surgical Experience on Operative Mortality After Reoperative Cardiac Surgery. Annals of Thoracic Surgery, 2020, 110, 1909-1916. | 1.3 | 15 |
| 62 | Mathematical three-dimensional solid modeling of biventricular geometry. Annals of Biomedical Engineering, 1993, 21, 199-219. | 2.5 | 14 |
| 63 | Principal Strain Orientation in the Normal Human Left Ventricle. Annals of Thoracic Surgery, 2005, 79, 1338-1343. | 1.3 | 14 |
| 64 | Left Ventricular Wall Stress in Patients With Severe Aortic Insufficiency With Finite Element Analysis. Annals of Thoracic Surgery, 2006, 82, 840-846. | 1.3 | 13 |
| 65 | Pulmonary â€œtwinningâ€•procedures: Use of lungs from one donor for single-lung transplantation in two recipients. Annals of Thoracic Surgery, 1992, 54, 1189-1192. | 1.3 | 12 |
| 66 | Impact of Nighttime Lung Transplantation on Outcomes and Costs. Annals of Thoracic Surgery, 2021, 112, 206-213. | 1.3 | 12 |
| 67 | Clinical Features and Outcomes of Combined Pulmonary Fibrosis and Emphysema After Lung Transplantation. Chest, 2021, 160, 1743-1750. | 0.8 | 12 |
| 68 | Economic evaluation of the specialized donor care facility for thoracic organ donor management. Journal of Thoracic Disease, 2020, 12, 5709-5717. | 1.4 | 11 |
| 69 | Heterogeneous Distribution of Left Ventricular Contractile Injury in Chronic Aortic Insufficiency. Annals of Thoracic Surgery, 2012, 93, 1121-1127. | 1.3 | 10 |
| 70 | Early left ventricular regional contractile impairment in chronic mitral regurgitation occurs in a consistent, heterogeneous pattern. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 1694-1699. | 0.8 | 10 |
| 71 | The Strongest Risk Factor for Operative Mortality in Acute Type A Aortic Dissection is Acidosis: Validation of Risk Model. Seminars in Thoracic and Cardiovascular Surgery, 2020, 32, 674-680. | 0.6 | 10 |
| 72 | Fontan Hemodynamics. Journal of Cardiac Surgery, 1988, 3, 45-52. | 0.7 | 9 |

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| 73 | Regional myocardial stress distribution from magnetic resonance image-based mathematical models. Annals of Thoracic Surgery, 1991, 52, 276-284. | 1.3 | 9 |
| 74 | Topographic mapping of left ventricular regional contractile injury in ischemic mitral regurgitation. Journal of Thoracic and Cardiovascular Surgery, 2017, 154, 149-158.e1. | 0.8 | 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. Annals of Thoracic Surgery, 1983, 35, 3-13. | 1.3 | 8 |
| 76 | Ventricular Interaction in the Pathologic Heart. ASAIO Journal, 1994, 40, M773-M783. | 1.6 | 8 |
| 77 | Operative Strategies to Reduce Complications in Novacor Left Ventricular Assist Device Placement. Journal of Cardiac Surgery, 2004, 19, 329-335. | 0.7 | 8 |
| 78 | Extreme mentoring in cardiothoracic surgery. Journal of Thoracic and Cardiovascular Surgery, 2015, 150, 785-789. | 0.8 | 8 |
| 79 | Machine Learning Outcome Prediction in Dilated Cardiomyopathy Using Regional Left Ventricular Multiparametric Strain. Annals of Biomedical Engineering, 2021, 49, 922-932. | 2.5 | 8 |
| 80 | Mathematic modeling and cardiac surgery. Journal of Thoracic and Cardiovascular Surgery, 2002, 123, 617-620. | 0.8 | 7 |
| 81 | MRI-based Multiparametric Strain Analysis Predicts Contractile Recovery after Aortic Valve Replacement for Aortic Insufficiency. Journal of Cardiac Surgery, 2012, 27, 415-422. | 0.7 | 7 |
| 82 | Comparison of outcomes in lung and heart transplant recipients from the same multiorgan donor. Clinical Transplantation, 2020, 34, e13768. | 1.6 | 7 |
| 83 | Donor management using a specialized donor care facility is associated with higher organ utilization from drug overdose donors. Clinical Transplantation, 2021, 35, e14178. | 1.6 | 7 |
| 84 | 30 Years of Heart Transplant: Outcomes After Mechanical Circulatory Support From a Single Center. Annals of Thoracic Surgery, 2021, , . | 1.3 | 7 |
| 85 | Dilated Cardiomyopathy: Normalized Multiparametric Myocardial Strain Predicts Contractile Recovery. Annals of Thoracic Surgery, 2015, 100, 1284-1291. | 1.3 | 6 |
| 86 | Quantifying â€œnormalizedâ€•regional left ventricular contractile function in ischemic coronary artery disease. Journal of Thoracic and Cardiovascular Surgery, 2015, 150, 240-246. | 0.8 | 6 |
| 87 | Cardiothoracic Organ Procurement for Transplantation: How I Teach It. Annals of Thoracic Surgery, 2016, 102, 1042-1045. | 1.3 | 6 |
| 88 | Electromechanics of the Normal Human Heart In Situ. Circulation: Arrhythmia and Electrophysiology, 2019, 12, e007484. | 4.8 | 6 |
| 89 | Getting the most from your cardiothoracic surgical training: It's all about behavior. Journal of Thoracic and Cardiovascular Surgery, 2022, 164, e257-e262. | 0.8 | 6 |
| 90 | Aortic Valve Replacement for Aortic Insufficiency: Valve Type as a Determinant of Systolic Strain Recovery. Journal of Cardiac Surgery, 2005, 20, 524-529. | 0.7 | 5 |

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|---|---|---|---|
| 91 | Heterogeneity of systolic dysfunction in patients with severe aortic stenosis and preserved ejection fraction. Journal of Cardiac Surgery, 2017, 32, 454-461. | 0.7 | 5 |
| 92 | Clinical Outcomes of Lung Transplants From Donors With Unexpected Pulmonary Embolism. Annals of Thoracic Surgery, 2021, 112, 387-394. | 1.3 | 5 |
| 93 | Different-team procurements: A potential solution for the unintended consequences of change in lung allocation policy. American Journal of Transplantation, 2021, 21, 3101-3111. | 4.7 | 5 |
| 94 | Competing Risks to Transplant in Bridging With Continuous-flow Left Ventricular Assist Devices. Annals of Thoracic Surgery, 2022, 114, 1276-1283. | 1.3 | 5 |
| 95 | Reassessing Right Ventricular Function and Ventricular Interaction: The Role of Global Myocardial Contractile Mechanics. Journal of Cardiac Surgery, 1986, 1, 393-402. | 0.7 | 4 |
| 96 | A different kind of â€œtotal artificial heartâ€• the interactive, computer-based human heart model. Annals of Thoracic Surgery, 2002, 73, 1032-1034. | 1.3 | 2 |
| 97 | Should UNOS Status 2 Patients Undergo Transplantation?. Heart Surgery Forum, 2006, 9, E823-E827. | 0.5 | 2 |
| 98 | Not all that hibernates necessarily wakes up. Journal of Thoracic and Cardiovascular Surgery, 2017, 153, 591-592. | 0.8 | 1 |
| 99 | Transplantation of Lungs Procured From a Donor With an Atrioesophageal Fistula. Annals of Thoracic Surgery, 2019, 107, e121-e122. | 1.3 | 1 |
| 100 | Incidentally Detected Chronic Lymphocytic Leukemia in Hilar Lymph Nodes at the Time of Lung Transplantation: A Case Report. Transplantation Proceedings, 2021, 53, 2619-2621. | 0.6 | 1 |
| 101 | Association of STS database variables with repair durability in ischemic mitral regurgitation using machine learning. Journal of Cardiac Surgery, 2022, 37, 76-83. | 0.7 | 1 |
| 102 | Transplantation of Donor Lung with Partial Anomalous Pulmonary Venous Return Using a Carrel Patch. Annals of Thoracic Surgery, 2022, , . | 1.3 | 1 |
| 103 | Clinical Features and Outcomes of Unplanned Single Lung Transplants. Journal of Thoracic and Cardiovascular Surgery, 2022, , . | 0.8 | 1 |
| 104 | Capitalizing on the mathematical foundation of cardiovascular physiology and the image processing capabilities of the human mind. Journal of Thoracic and Cardiovascular Surgery, 2016, 152, 428-429. | 0.8 | 0 |