

Tiago N Machuca

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2753315/publications.pdf>

Version: 2024-02-01

70
papers

2,239
citations

257450

24
h-index

233421

45
g-index

71
all docs

71
docs citations

71
times ranked

2434
citing authors

#	ARTICLE	IF	CITATIONS
1	Experience with the first 50 ex vivo lung perfusions in clinical transplantation. Journal of Thoracic and Cardiovascular Surgery, 2012, 144, 1200-1207.	0.8	270
2	Outcomes of intraoperative extracorporeal membrane oxygenation versus cardiopulmonary bypass for lung transplantation. Journal of Thoracic and Cardiovascular Surgery, 2015, 149, 1152-1157.	0.8	197
3	Early outcomes after lung transplantation for severe COVID-19: a series of the first consecutive cases from four countries. Lancet Respiratory Medicine, 2021, 9, 487-497.	10.7	175
4	Metabolomic Heterogeneity of Pulmonary Arterial Hypertension. PLoS ONE, 2014, 9, e88727.	2.5	111
5	Physiologic assessment of the ex vivo donor lung for transplantation. Journal of Heart and Lung Transplantation, 2012, 31, 1120-1126.	0.6	107
6	Functional outcomes and quality of life after normothermic ex vivo lung perfusion lung transplantation. Journal of Heart and Lung Transplantation, 2015, 34, 547-556.	0.6	100
7	Safety and Efficacy of Ex Vivo Donor Lung Adenoviral IL-10 Gene Therapy in a Large Animal Lung Transplant Survival Model. Human Gene Therapy, 2017, 28, 757-765.	2.7	94
8	Injury-Specific Ex Vivo Treatment of the Donor Lung: Pulmonary Thrombolysis Followed by Successful Lung Transplantation. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 878-880.	5.6	93
9	Protein Expression Profiling Predicts Graft Performance in Clinical Ex Vivo Lung Perfusion. Annals of Surgery, 2015, 261, 591-597.	4.2	83
10	Patient and Procedural Determinants of Postoperative Pain Trajectories. Anesthesiology, 2021, 134, 421-434.	2.5	63
11	Ex vivo lung perfusion. Journal of Thoracic Disease, 2014, 6, 1054-62.	1.4	62
12	Mechanical Support for the Failing Right Ventricle in Patients With Precapillary Pulmonary Hypertension. Circulation, 2015, 132, 526-536.	1.6	50
13	The effect of decellularization of tracheal allografts on leukocyte infiltration and of recellularization on regulatory T cell recruitment. Biomaterials, 2013, 34, 5821-5832.	11.4	47
14	Low invasive in vivo tissue sampling for monitoring biomarkers and drugs during surgery. Laboratory Investigation, 2014, 94, 586-594.	3.7	47
15	Solid phase microextraction fills the gap in tissue sampling protocols. Analytica Chimica Acta, 2013, 803, 75-81.	5.4	46
16	Low-dose computed tomography volumetry for subtyping chronic lung allograft dysfunction. Journal of Heart and Lung Transplantation, 2016, 35, 59-66.	0.6	37
17	Two Decades of Lung Retransplantation: A Single-Center Experience. Annals of Thoracic Surgery, 2017, 103, 1076-1083.	1.3	36
18	Lung transplantation for cystic fibrosis. Journal of Heart and Lung Transplantation, 2020, 39, 553-560.	0.6	36

#	ARTICLE	IF	CITATIONS
19	Towards donor lung recovery—gene expression changes during ex vivo lung perfusion of human lungs. <i>American Journal of Transplantation</i> , 2018, 18, 1518-1526.	4.7	35
20	Use of Single-Cannula Venous-Venous Extracorporeal Life Support in the Management of Life-Threatening Airway Obstruction. <i>Annals of Thoracic Surgery</i> , 2015, 99, e63-e65.	1.3	33
21	The Evolving Role of Extracorporeal Membrane Oxygenation in Lung Transplantation: Implications for Anesthetic Management. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019, 33, 1995-2006.	1.3	33
22	The Impact of Donor and Recipient Age: Older Lung Transplant Recipients Do Not Require Younger Lungs. <i>Annals of Thoracic Surgery</i> , 2019, 107, 868-876.	1.3	30
23	Importance of left atrial pressure during ex vivo lung perfusion. <i>Journal of Heart and Lung Transplantation</i> , 2016, 35, 808-814.	0.6	29
24	Higher M30 and high mobility group box 1 protein levels in ex vivo lung perfusate are associated with primary graft dysfunction after human lung transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2018, 37, 240-249.	0.6	28
25	Acute Humoral Rejection in a Lung Recipient: Reversion With Bortezomib. <i>Transplantation</i> , 2010, 89, 125-126.	1.0	26
26	Performance of Endobronchial Ultrasound-Guided Transbronchial Needle Aspiration for the Diagnosis of Isolated Mediastinal and Hilar Lymphadenopathy. <i>Respiration</i> , 2017, 94, 457-464.	2.6	26
27	Ex vivo SARS-CoV-2 infection of human lung reveals heterogeneous host defense and therapeutic responses. <i>JCI Insight</i> , 2021, 6, .	5.0	26
28	SMARCA4-Deficient Thoracic Sarcoma: A Case Report and Review of Literature. <i>International Journal of Surgical Pathology</i> , 2020, 28, 102-108.	0.8	23
29	Advances in Lung Preservation. <i>Surgical Clinics of North America</i> , 2013, 93, 1373-1394.	1.5	22
30	Modified in vivo lung perfusion allows for prolonged perfusion without acute lung injury. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 147, 774-782.	0.8	22
31	Lung IFNAR1hi TNFR2+ cDC2 promotes lung regulatory T cells induction and maintains lung mucosal tolerance at steady state. <i>Mucosal Immunology</i> , 2020, 13, 595-608.	6.0	20
32	Cardiopulmonary Bypass and Extracorporeal Life Support for Emergent Intraoperative Thoracic Situations. <i>Thoracic Surgery Clinics</i> , 2015, 25, 325-334.	1.0	19
33	Use of metabolomics to identify strategies to improve and prolong ex vivo lung perfusion for lung transplants. <i>Journal of Heart and Lung Transplantation</i> , 2021, 40, 525-535.	0.6	18
34	Transplantation for lung cancer. <i>Current Opinion in Organ Transplantation</i> , 2012, 17, 479-484.	1.6	15
35	Extended post ex-vivo lung perfusion cold preservation predicts primary graft dysfunction and mortality: Results from a multicentric study. <i>Journal of Heart and Lung Transplantation</i> , 2020, 39, 954-961.	0.6	15
36	MicroRNA-206 antagomiR-enriched extracellular vesicles attenuate lung ischemia-reperfusion injury through CXCL1 regulation in alveolar epithelial cells. <i>Journal of Heart and Lung Transplantation</i> , 2020, 39, 1476-1490.	0.6	14

#	ARTICLE	IF	CITATIONS
37	Amino Acid Structure Determines the Immune Responses Generated by Peptide-Gold Nanoparticle Hybrids. <i>Particle and Particle Systems Characterization</i> , 2013, 30, 1039-1043.	2.3	13
38	Ex vivo perfusion techniques: state of the art and potential applications. <i>Intensive Care Medicine</i> , 2019, 45, 354-356.	8.2	13
39	Angiographic embolization followed by piecemeal resection of giant posterior mediastinal schwannoma: Case report and concise review. <i>International Journal of Surgery Case Reports</i> , 2018, 53, 250-253.	0.6	12
40	Enhanced Mitochondrial DNA Repair Resuscitates Transplantable Lungs Donated After Circulatory Death. <i>Journal of Surgical Research</i> , 2020, 245, 273-280.	1.6	9
41	RAVAL trial: Protocol of an international, multi-centered, blinded, randomized controlled trial comparing robotic-assisted versus video-assisted lobectomy for early-stage lung cancer. <i>PLoS ONE</i> , 2022, 17, e0261767.	2.5	9
42	When to Refer a Patient With Chronic Thromboembolic Pulmonary Hypertension for Pulmonary Endarterectomy. <i>Canadian Journal of Cardiology</i> , 2015, 31, 509-514.	1.7	8
43	A novel injury site-natural antibody targeted complement inhibitor protects against lung transplant injury. <i>American Journal of Transplantation</i> , 2021, 21, 2067-2078.	4.7	7
44	In vivo reprogramming of pathogenic lung TNFR2 cDC2s by IFN γ inhibits HDM-induced asthma. <i>Science Immunology</i> , 2021, 6, .	11.9	7
45	Set Up for Failure: Pre-Existing Autoantibodies in Lung Transplant. <i>Frontiers in Immunology</i> , 2021, 12, 711102.	4.8	7
46	Comment on Let's Build Bridges to Recovery in COVID-19 ARDS, not Burn Them!. <i>Annals of Surgery</i> , 2020, Publish Ahead of Print, e870-e871.	4.2	7
47	Photodynamic Therapy for Bronchial Microscopic Residual Disease After Resection in Lung Cancer. <i>Journal of Bronchology and Interventional Pulmonology</i> , 2019, 26, 49-54.	1.4	6
48	Extracorporeal membrane oxygenation to facilitate tracheal healing after oesophagogastric catastrophe. <i>European Journal of Cardio-thoracic Surgery</i> , 2018, 53, 288-289.	1.4	5
49	Pre-operative therapeutic plasma Exchange and intravenous immune globulin for the treatment of heparin induced thrombocytopenia in a lung transplant recipient. <i>Transfusion and Apheresis Science</i> , 2019, 58, 505-507.	1.0	5
50	Incidence, risk factors, and sequelae of dysphagia mediated aspiration following lung transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2022, 41, 1095-1103.	0.6	5
51	Predicting long-term postsurgical pain by examining the evolution of acute pain. <i>European Journal of Pain</i> , 2021, 25, 624-636.	2.8	4
52	Lung transplantation for COVID-19-associated ARDS Authors' reply. <i>Lancet Respiratory Medicine</i> , the, 2021, 9, e90.	10.7	4
53	Effects of Patient and Surgery Characteristics on Persistent Postoperative Pain. <i>Clinical Journal of Pain</i> , 2021, Publish Ahead of Print, 803-811.	1.9	4
54	Commentary: Extracorporeal membrane oxygenation for patients with refractory Coronavirus Disease 2019 (COVID-19): What do we know and what do we need to learn?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 163, 1080-1082.	0.8	4

#	ARTICLE	IF	CITATIONS
55	Pulmonary Vascular Changes 22 Years after Single Lung Transplantation for Pulmonary Arterial Hypertension: A Case Report with Molecular and Pathological Analysis. <i>Pulmonary Circulation</i> , 2015, 5, 739-743.	1.7	3
56	Slow Dynamics of Acute Postoperative Pain Intensity Time Series Determined via Wavelet Analysis Are Associated With the Risk of Severe Postoperative Day 30 Pain. <i>Anesthesia and Analgesia</i> , 2021, 132, 1465-1474.	2.2	3
57	Lung transplantation for acute exacerbation of interstitial lung disease. <i>Thorax</i> , 2022, 77, 364-369.	5.6	3
58	A 42-Year-Old Woman With Anemia, Shock, and Ischemic Stroke After Lung Transplantation. <i>Chest</i> , 2017, 151, e63-e68.	0.8	2
59	Migrated Endovascular Coil. An Unwelcome Guest. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 384-385.	5.6	2
60	Interventional Therapies for Right Ventricular Failure Secondary to Precapillary Pulmonary Hypertension. <i>Advances in Pulmonary Hypertension</i> , 2015, 13, 197-201.	0.1	2
61	Bivalirudin and Alteplase for Pulmonary Embolism Requiring Veno-Arterial Extracorporeal Membrane Oxygenation in an Adolescent. <i>Journal of Extra-Corporeal Technology</i> , 2020, 52, 327-331.	0.4	2
62	Pro-inflammatory IgG1 N-glycan signature correlates with primary graft dysfunction onset in COPD patients. <i>Transplant Immunology</i> , 2022, 71, 101491.	1.2	2
63	Long-Term Outcome After Resection of Non-Small Cell Lung Cancer Invading the Thoracic Inlet. <i>Annals of Thoracic Surgery</i> , 2014, 98, 962-967.	1.3	1
64	Multiorgan Failure in Immunosuppressed Patient. <i>Infectious Diseases in Clinical Practice</i> , 2020, 28, 171-173.	0.3	1
65	Successful Preoperative Optimization for Lung Transplantation With Transcatheter Mitral Valve Repair. <i>Annals of Thoracic Surgery</i> , 2021, 111, e201-e203.	1.3	1
66	A 61-Year-Old Man With Shortness of Breath, Ascites, and Lower Extremity Edema. <i>Chest</i> , 2016, 149, e195-e199.	0.8	0
67	Successful bridge to lung transplantation with transcatheter aortic valve replacement. <i>American Journal of Transplantation</i> , 2020, 20, 3658-3661.	4.7	0
68	Early post-lung transplant patient presenting with an incidental abdominal finding on a chest x-ray. <i>American Journal of Transplantation</i> , 2021, 21, 1340-1342.	4.7	0
69	Case report: double lung en bloc procurement from a donor after arterial switch operation. <i>Cardiology in the Young</i> , 2021, 31, 1238-1240.	0.8	0
70	Inpatient Management of the Acutely Decompensating Lung Transplant Candidate. <i>Thoracic Surgery Clinics</i> , 2022, 32, 121-134.	1.0	0