

Matthew D Bacchetta

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

4,190
citations

147801

31
h-index

118850

62
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94
all docs

94
docs citations

94
times ranked

4740
citing authors

#	ARTICLE	IF	CITATIONS
1	Neoadjuvant atezolizumab and chemotherapy in patients with resectable non-small-cell lung cancer: an open-label, multicentre, single-arm, phase 2 trial. <i>Lancet Oncology</i> , The, 2020, 21, 786-795.	10.7	419
2	Early mobilization of patients receiving extracorporeal membrane oxygenation: a retrospective cohort study. <i>Critical Care</i> , 2014, 18, R38.	5.8	240
3	Position paper for the organization of ECMO programs for cardiac failure in adults. <i>Intensive Care Medicine</i> , 2018, 44, 717-729.	8.2	230
4	Generation and persistence of human tissue-resident memory T cells in lung transplantation. <i>Science Immunology</i> , 2019, 4, .	11.9	203
5	Awake Extracorporeal Membrane Oxygenation as Bridge to Lung Transplantation: A 9-Year Experience. <i>Annals of Thoracic Surgery</i> , 2017, 104, 412-419.	1.3	183
6	Use of Bicaval Dual-Lumen Catheter for Adult Venovenous Extracorporeal Membrane Oxygenation. <i>Annals of Thoracic Surgery</i> , 2011, 91, 1763-1769.	1.3	154
7	Extracorporeal membrane oxygenation as a bridge to lung transplantation and recovery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012, 144, 716-721.	0.8	148
8	Comparison of extracorporeal membrane oxygenation versus cardiopulmonary bypass for lung transplantation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 2410-2416.	0.8	145
9	Blood Conservation in Extracorporeal Membrane Oxygenation for Acute Respiratory Distress Syndrome. <i>Annals of Thoracic Surgery</i> , 2015, 99, 590-595.	1.3	130
10	Insertion of Bicaval Dual Lumen Extracorporeal Membrane Oxygenation Catheter with Image Guidance. <i>ASAIO Journal</i> , 2011, 57, 203-205.	1.6	116
11	The "Sport Model": Extracorporeal Membrane Oxygenation Using the Subclavian Artery. <i>Annals of Thoracic Surgery</i> , 2014, 98, 1487-1489.	1.3	104
12	Subclavian Artery Cannulation for Venoarterial Extracorporeal Membrane Oxygenation. <i>ASAIO Journal</i> , 2012, 58, 494-498.	1.6	102
13	Outcomes of Extracorporeal Membrane Oxygenation as a Bridge to Lung Transplantation. <i>Annals of Thoracic Surgery</i> , 2019, 107, 1456-1463.	1.3	99
14	Frailty phenotypes and mortality after lung transplantation: A prospective cohort study. <i>American Journal of Transplantation</i> , 2018, 18, 1995-2004.	4.7	95
15	One Hundred Transports on Extracorporeal Support to an Extracorporeal Membrane Oxygenation Center. <i>Annals of Thoracic Surgery</i> , 2015, 100, 34-40.	1.3	92
16	Comparison of Open Versus Bedside Percutaneous Dilatational Tracheostomy in the Cardiothoracic Surgical Patient: Outcomes and Financial Analysis. <i>Annals of Thoracic Surgery</i> , 2005, 79, 1879-1885.	1.3	91
17	Thrombocytopenia and extracorporeal membrane oxygenation in adults with acute respiratory failure: a cohort study. <i>Intensive Care Medicine</i> , 2016, 42, 844-852.	8.2	90
18	Extracorporeal Membrane Oxygenation for Cardiopulmonary Failure During Pregnancy and Postpartum. <i>Annals of Thoracic Surgery</i> , 2016, 102, 774-779.	1.3	89

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19	The Efficacy of EBUS-Guided Transbronchial Needle Aspiration for Molecular Testing in Lung Adenocarcinoma. <i>Annals of Thoracic Surgery</i> , 2013, 96, 1196-1202.	1.3	80
20	Functional vascularized lung grafts for lung bioengineering. <i>Science Advances</i> , 2017, 3, e1700521.	10.3	72
21	Clinically suspected heparin-induced thrombocytopenia during extracorporeal membrane oxygenation. <i>Journal of Critical Care</i> , 2015, 30, 1190-1194.	2.2	60
22	The "Central Sport Model" Extracorporeal Membrane Oxygenation Using the Innominate Artery for Smaller Patients as Bridge to Lung Transplantation. <i>ASAIO Journal</i> , 2017, 63, e39-e44.	1.6	58
23	ECMO as Bridge to Lung Transplant. <i>Thoracic Surgery Clinics</i> , 2015, 25, 17-25.	1.0	56
24	Xenogeneic cross-circulation for extracorporeal recovery of injured human lungs. <i>Nature Medicine</i> , 2020, 26, 1102-1113.	30.7	56
25	Bridge to lung transplantation with extracorporeal membrane oxygenation support. <i>Current Opinion in Organ Transplantation</i> , 2012, 17, 496-502.	1.6	53
26	Regeneration of severely damaged lungs using an interventional cross-circulation platform. <i>Nature Communications</i> , 2019, 10, 1985.	12.8	42
27	Cross-circulation for extracorporeal support and recovery of the lung. <i>Nature Biomedical Engineering</i> , 2017, 1, .	22.5	39
28	Multiday maintenance of extracorporeal lungs using cross-circulation with conscious swine. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, 1640-1653.e18.	0.8	38
29	A novel unidirectional-valved shunt approach for end-stage pulmonary arterial hypertension: Early experience in adolescents and adults. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2021, 161, 1438-1446.e2.	0.8	37
30	Association between Availability of Extracorporeal Membrane Oxygenation and Mortality in Patients with COVID-19 Eligible for Extracorporeal Membrane Oxygenation: A Natural Experiment. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 1354-1357.	5.6	36
31	Ketamine use in sedation management in patients receiving extracorporeal membrane oxygenation. <i>Intensive Care Medicine</i> , 2016, 42, 1822-1823.	8.2	35
32	Early Mobilization during Extracorporeal Membrane Oxygenation for Cardiopulmonary Failure in Adults: Factors Associated with Intensity of Treatment. <i>Annals of the American Thoracic Society</i> , 2022, 19, 90-98.	3.2	35
33	Controlled delivery and minimally invasive imaging of stem cells in the lung. <i>Scientific Reports</i> , 2017, 7, 13082.	3.3	34
34	Geographic disparities in donor lung supply and lung transplant waitlist outcomes: A cohort study. <i>American Journal of Transplantation</i> , 2018, 18, 1471-1480.	4.7	33
35	Tracheostomy Is Safe During Extracorporeal Membrane Oxygenation Support. <i>ASAIO Journal</i> , 2020, 66, 652-656.	1.6	33
36	Targeted delivery of liquid microvolumes into the lung. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 11530-11535.	7.1	32

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37	Increasing Opportunity for Lung Transplant in Interstitial Lung Disease With Pulmonary Hypertension. <i>Annals of Thoracic Surgery</i> , 2018, 106, 1812-1819.	1.3	30
38	Outcomes and Mortality Prediction Model of Critically Ill Adults With Acute Respiratory Failure and Interstitial Lung Disease. <i>Chest</i> , 2018, 153, 1387-1395.	0.8	29
39	Adipose tissue quantification and primary graft dysfunction after lung transplantation: The Lung Transplant Body Composition study. <i>Journal of Heart and Lung Transplantation</i> , 2019, 38, 1246-1256.	0.6	29
40	Cell replacement in human lung bioengineering. <i>Journal of Heart and Lung Transplantation</i> , 2019, 38, 215-224.	0.6	28
41	Short-term and longer-term survival after veno-arterial extracorporeal membrane oxygenation in an adult patient population: does older age matter?. <i>Perfusion (United Kingdom)</i> , 2016, 31, 366-375.	1.0	27
42	Extracorporeal life support bridge for pulmonary hypertension: A high-volume single-center experience. <i>Journal of Heart and Lung Transplantation</i> , 2019, 38, 1275-1285.	0.6	27
43	Neoadjuvant atezolizumab + chemotherapy in resectable non-small cell lung cancer (NSCLC).. <i>Journal of Clinical Oncology</i> , 2018, 36, 8532-8532.	1.6	26
44	Morbid obesity is not a contraindication to transport on extracorporeal support. <i>European Journal of Cardio-thoracic Surgery</i> , 2018, 53, 793-798.	1.4	25
45	Right ventricular assist device use in ventricular failure due to pulmonary arterial hypertension: Lessons learned. <i>Journal of Heart and Lung Transplantation</i> , 2016, 35, 1272-1274.	0.6	23
46	Insertion of Bicaval Dual-Lumen Cannula via the Left Internal Jugular Vein for Extracorporeal Membrane Oxygenation. <i>ASAIO Journal</i> , 2012, 58, 636-637.	1.6	22
47	Safety and Feasibility of a Protocolized Daily Assessment of Readiness for Liberation From Venovenous Extracorporeal Membrane Oxygenation. <i>Chest</i> , 2021, 160, 1693-1703.	0.8	22
48	Multiplatform Single-Cell Analysis Identifies Immune Cell Types Enhanced in Pulmonary Fibrosis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2022, 67, 50-60.	2.9	22
49	Ease of Conversion from Venovenous Extracorporeal Membrane Oxygenation to Cardiopulmonary Bypass and Venoarterial Extracorporeal Membrane Oxygenation with a Bicaval Dual Lumen Catheter. <i>ASAIO Journal</i> , 2011, 57, 283-285.	1.6	21
50	Pediatric Trauma Experience in a Combat Support Hospital in Eastern Afghanistan over 10 Months, 2010 to 2011. <i>American Surgeon</i> , 2013, 79, 257-260.	0.8	18
51	Bleeding, Thromboembolism, and Clinical Outcomes in Venovenous Extracorporeal Membrane Oxygenation. , 2020, 2, e0267.		18
52	Modified Potts Shunt in an Adult with Idiopathic Pulmonary Arterial Hypertension. <i>Annals of the American Thoracic Society</i> , 2017, 14, 607-609.	3.2	17
53	Management of Surge in Extracorporeal Membrane Oxygenation Transport. <i>Annals of Thoracic Surgery</i> , 2018, 105, 528-534.	1.3	17
54	A decade of interfacility extracorporeal membrane oxygenation transport. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 1696-1706.	0.8	17

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55	A Dual-Lumen Bicaval Cannula for Venovenous Extracorporeal Membrane Oxygenation. <i>Annals of Thoracic Surgery</i> , 2020, 109, 1047-1053.	1.3	17
56	Epicardial Catheter Ablation Through Subxiphoid Surgical Approach in a Patient With Implanted Left Ventricular Assist Device and Cannula-Related Ventricular Tachycardia. <i>Circulation: Heart Failure</i> , 2014, 7, 868-869.	3.9	14
57	Extracorporeal Carbon Dioxide Removal in the Treatment of Status Asthmaticus. <i>Critical Care Medicine</i> , 2020, 48, e1226-e1231.	0.9	12
58	Recurrent and congenital tracheoesophageal fistula in adults. <i>European Journal of Cardio-thoracic Surgery</i> , 2017, 52, 1218-1222.	1.4	11
59	Opioid and Benzodiazepine Requirements in Obese Adult Patients Receiving Extracorporeal Membrane Oxygenation. <i>Annals of Pharmacotherapy</i> , 2020, 54, 144-150.	1.9	11
60	Xenogeneic support for the recovery of human donor organs. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 163, 1563-1570.	0.8	11
61	Extracorporeal membrane oxygenation in patients with hepatopulmonary syndrome undergoing liver transplantation: A systematic review of the literature. <i>Transplantation Reviews</i> , 2022, 36, 100693.	2.9	10
62	Unresolved pulmonary embolism leading to a diagnosis of pulmonary artery sarcoma. <i>Heart and Lung: Journal of Acute and Critical Care</i> , 2014, 43, 574-576.	1.6	9
63	Venovenous extracorporeal membrane oxygenation during high-risk airway interventions. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2021, 33, 913-920.	1.1	9
64	Primary graft dysfunction: Long-term physical function outcomes among lung transplant recipients. <i>Heart and Lung: Journal of Acute and Critical Care</i> , 2016, 45, 544-549.	1.6	8
65	Extracorporeal Membrane Oxygenation Circuits in Parallel for Refractory Hypoxemia in COVID-19: A Case Series. <i>ASAIO Journal</i> , 2022, 68, 1002-1009.	1.6	8
66	Duration of conventional cardiopulmonary resuscitation prior to extracorporeal cardiopulmonary resuscitation and survival among adult cardiac arrest patients. <i>Perfusion (United Kingdom)</i> , 2016, 31, 200-206.	1.0	7
67	Extracorporeal Membrane Oxygenation for End-Stage Interstitial Lung Disease With Secondary Pulmonary Hypertension at Rest and Exercise: Insights From Simulation Modeling. <i>ASAIO Journal</i> , 2018, 64, 203-210.	1.6	6
68	Left Pulmonary Artery Ligation and Chronic Pulmonary Artery Banding Model for Inducing Right Ventricular Pulmonary Hypertension in Sheep. <i>ASAIO Journal</i> , 2021, 67, e44-e48.	1.6	6
69	Left and Right Ventricular Functional Dynamics Determined by Echocardiograms Before and After Lung Transplantation. <i>American Journal of Cardiology</i> , 2015, 116, 652-659.	1.6	5
70	Extracorporeal Membrane Oxygenation as a Bridge to Lung Transplant. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2021, 42, 380-391.	2.1	5
71	A Large Animal Model for Pulmonary Hypertension and Right Ventricular Failure: Left Pulmonary Artery Ligation and Progressive Main Pulmonary Artery Banding in Sheep. <i>Journal of Visualized Experiments</i> , 2021, , .	0.3	5
72	Non-destructive vacuum-assisted measurement of lung elastic modulus. <i>Acta Biomaterialia</i> , 2021, 131, 370-380.	8.3	5

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73	Extracorporeal Membrane Oxygenation in Pediatric Liver Transplantation: A Multicenter Linked Database Analysis and Systematic Review of the Literature. <i>Transplantation</i> , 2021, 105, 1539-1547.	1.0	5
74	Homogeneous Distribution of Exogenous Cells onto De-epithelialized Rat Trachea via Instillation of Cell-Loaded Hydrogel. <i>ACS Biomaterials Science and Engineering</i> , 2022, 8, 82-88.	5.2	5
75	Anesthetic management of the patient with extracorporeal membrane oxygenator support. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2017, 31, 227-236.	4.0	4
76	Pathological remodeling of distal lung matrix in end-stage cystic fibrosis patients. <i>Journal of Cystic Fibrosis</i> , 2022, 21, 1027-1035.	0.7	4
77	Predicting Mortality for Patients Eligible for Extracorporeal Membrane Oxygenation for COVID-19. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 628-632.	5.6	4
78	Extracorporeal Membrane Oxygenation Selection by Multidisciplinary Consensus: The ECMO Council. <i>ASAIO Journal</i> , 2023, 69, 167-173.	1.6	4
79	POINT: Should Patients With Advanced Lung Disease Be Offered Extracorporeal Membrane Oxygenation as a Bridge to Transplant If They Have Not Yet Been Listed for Lung Transplant? Yes. <i>Chest</i> , 2020, 158, 35-38.	0.8	3
80	Cross-Circulation for Extracorporeal Liver Support in a Swine Model. <i>ASAIO Journal</i> , 2022, 68, 561-570.	1.6	3
81	Survival Following Veno-Venous Extracorporeal Membrane Oxygenation and Mortality in a Diverse Patient Population. <i>Journal of Extra-Corporeal Technology</i> , 2015, 47, 217-22.	0.4	3
82	Left Ventricular Unloading During Extracorporeal Life Support: Current Practice. <i>Journal of Cardiac Failure</i> , 2021, , .	1.7	3
83	Impact of sex, race and socioeconomic status on survival after pulmonary thromboendarterectomy for chronic thromboembolic pulmonary hypertension. <i>European Journal of Cardio-thoracic Surgery</i> , 2022, 62, .	1.4	3
84	Beware the Deus Ex Machina of COVID-19. <i>Annals of Thoracic Surgery</i> , 2020, 110, 1787-1788.	1.3	2
85	The Vanderbilt Open-Source Ventilator: From Napkin Sketch to Ready to Save Lives in Three Weeks. <i>IEEE Robotics and Automation Magazine</i> , 2021, 28, 101-114.	2.0	2
86	Bridge to Transplant: Central Extracorporeal Membrane Oxygenation With Pulmonary Artery Drainage. <i>Annals of Thoracic Surgery</i> , 2022, 114, e427-e429.	1.3	2
87	Characteristics and prognostic significance of right heart remodeling and tricuspid regurgitation after pulmonary endarterectomy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2024, 167, 658-667.e7.	0.8	2
88	Soundâ€guided assessment and localization of pulmonary air leak. <i>Bioengineering and Translational Medicine</i> , 2023, 8, .	7.1	2
89	New insights and therapeutic targets: Lung injury and disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 416-420.	0.8	1
90	Disposable Component Selection in Extracorporeal Life Support. <i>ASAIO Journal</i> , 2020, Publish Ahead of Print, 995-999.	1.6	1

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91	Simulation Versus Interactive Mobile Learning for Teaching Extracorporeal Membrane Oxygenation to Clinicians: A Randomized Trial. <i>Critical Care Medicine</i> , 2022, 50, e415-e425.	0.9	1
92	Cardiac pacing: A novel approach to right ventricle failure during pulmonary thromboendarterectomy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013, 145, 1141-1143.	0.8	0
93	Reply. <i>Annals of Thoracic Surgery</i> , 2017, 103, 361-362.	1.3	0
94	Rebuttal From Ms Gannon and Drs Stokes and Bacchetta. <i>Chest</i> , 2020, 158, 40-41.	0.8	0