

Matthew D Bacchetta

List of Publications by Year in descending order

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Version: 2024-02-01

94
papers

4,190
citations

147726

31
h-index

118793

62
g-index

94
all docs

94
docs citations

94
times ranked

4740
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	0.4	2
2	Soundâ€guided assessment and localization of pulmonary air leak. <i>Bioengineering and Translational Medicine</i> , 2023, 8, .	3.9	2
3	Extracorporeal Membrane Oxygenation Selection by Multidisciplinary Consensus: The ECMO Council. <i>ASAIO Journal</i> , 2023, 69, 167-173.	0.9	4
4	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.	1.5	35
5	Cross-Circulation for Extracorporeal Liver Support in a Swine Model. <i>ASAIO Journal</i> , 2022, 68, 561-570.	0.9	3
6	Xenogeneic support for the recovery of human donor organs. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2022, 163, 1563-1570.	0.4	11
7	Simulation Versus Interactive Mobile Learning for Teaching Extracorporeal Membrane Oxygenation to Clinicians: A Randomized Trial. <i>Critical Care Medicine</i> , 2022, 50, e415-e425.	0.4	1
8	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.	2.5	36
9	Bridge to Transplant: Central Extracorporeal Membrane Oxygenation With Pulmonary Artery Drainage. <i>Annals of Thoracic Surgery</i> , 2022, 114, e427-e429.	0.7	2
10	Extracorporeal membrane oxygenation in patients with hepatopulmonary syndrome undergoing liver transplantation: A systematic review of the literature. <i>Transplantation Reviews</i> , 2022, 36, 100693.	1.2	10
11	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.	2.6	5
12	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.	1.4	22
13	Pathological remodeling of distal lung matrix in end-stage cystic fibrosis patients. <i>Journal of Cystic Fibrosis</i> , 2022, 21, 1027-1035.	0.3	4
14	Extracorporeal Membrane Oxygenation Circuits in Parallel for Refractory Hypoxemia in COVID-19: A Case Series. <i>ASAIO Journal</i> , 2022, 68, 1002-1009.	0.9	8
15	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.	2.5	4
16	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, .	0.6	3
17	Left Pulmonary Artery Ligation and Chronic Pulmonary Artery Banding Model for Inducing Right Ventricularâ€Pulmonary Hypertension in Sheep. <i>ASAIO Journal</i> , 2021, 67, e44-e48.	0.9	6
18	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.	0.4	37

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19	The Vanderbilt Open-Source Ventilator: From Napkin Sketch to Ready to Save Lives in Three Weeks. IEEE Robotics and Automation Magazine, 2021, 28, 101-114.	2.2	2
20	Extracorporeal Membrane Oxygenation as a Bridge to Lung Transplant. Seminars in Respiratory and Critical Care Medicine, 2021, 42, 380-391.	0.8	5
21	Safety and Feasibility of a Protocolized Daily Assessment of Readiness for Liberation From Venovenous Extracorporeal Membrane Oxygenation. Chest, 2021, 160, 1693-1703.	0.4	22
22	Venovenous extracorporeal membrane oxygenation during high-risk airway interventions. Interactive Cardiovascular and Thoracic Surgery, 2021, 33, 913-920.	0.5	9
23	A Large Animal Model for Pulmonary Hypertension and Right Ventricular Failure: Left Pulmonary Artery Ligation and Progressive Main Pulmonary Artery Banding in Sheep. Journal of Visualized Experiments, 2021, , .	0.2	5
24	Non-destructive vacuum-assisted measurement of lung elastic modulus. Acta Biomaterialia, 2021, 131, 370-380.	4.1	5
25	Extracorporeal Membrane Oxygenation in Pediatric Liver Transplantation: A Multicenter Linked Database Analysis and Systematic Review of the Literature. Transplantation, 2021, 105, 1539-1547.	0.5	5
26	Left Ventricular Unloading During Extracorporeal Life Support: Current Practice. Journal of Cardiac Failure, 2021, , .	0.7	3
27	Opioid and Benzodiazepine Requirements in Obese Adult Patients Receiving Extracorporeal Membrane Oxygenation. Annals of Pharmacotherapy, 2020, 54, 144-150.	0.9	11
28	A Dual-Lumen Bicaval Cannula for Venovenous Extracorporeal Membrane Oxygenation. Annals of Thoracic Surgery, 2020, 109, 1047-1053.	0.7	17
29	Tracheostomy Is Safe During Extracorporeal Membrane Oxygenation Support. ASAIO Journal, 2020, 66, 652-656.	0.9	33
30	Multiday maintenance of extracorporeal lungs using cross-circulation with conscious swine. Journal of Thoracic and Cardiovascular Surgery, 2020, 159, 1640-1653.e18.	0.4	38
31	Rebuttal From Ms Cannon and Drs Stokes and Bacchetta. Chest, 2020, 158, 40-41.	0.4	0
32	Xenogeneic cross-circulation for extracorporeal recovery of injured human lungs. Nature Medicine, 2020, 26, 1102-1113.	15.2	56
33	Beware the Deus Ex Machina of COVID-19. Annals of Thoracic Surgery, 2020, 110, 1787-1788.	0.7	2
34	Bleeding, Thromboembolism, and Clinical Outcomes in Venovenous Extracorporeal Membrane Oxygenation. , 2020, 2, e0267.		18
35	Extracorporeal Carbon Dioxide Removal in the Treatment of Status Asthmaticus. Critical Care Medicine, 2020, 48, e1226-e1231.	0.4	12
36	Neoadjuvant atezolizumab and chemotherapy in patients with resectable non-small-cell lung cancer: an open-label, multicentre, single-arm, phase 2 trial. Lancet Oncology, The, 2020, 21, 786-795.	5.1	419

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37	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.	0.4	3
38	Disposable Component Selection in Extracorporeal Life Support. <i>ASAIO Journal</i> , 2020, Publish Ahead of Print, 995-999.	0.9	1
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.	0.3	29
40	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.	0.3	27
41	A decade of interfacility extracorporeal membrane oxygenation transport. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 1696-1706.	0.4	17
42	Regeneration of severely damaged lungs using an interventional cross-circulation platform. <i>Nature Communications</i> , 2019, 10, 1985.	5.8	42
43	Generation and persistence of human tissue-resident memory T cells in lung transplantation. <i>Science Immunology</i> , 2019, 4, .	5.6	203
44	Outcomes of Extracorporeal Membrane Oxygenation as a Bridge to Lung Transplantation. <i>Annals of Thoracic Surgery</i> , 2019, 107, 1456-1463.	0.7	99
45	Cell replacement in human lung bioengineering. <i>Journal of Heart and Lung Transplantation</i> , 2019, 38, 215-224.	0.3	28
46	New insights and therapeutic targets: Lung injury and disease. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2019, 157, 416-420.	0.4	1
47	Frailty phenotypes and mortality after lung transplantation: A prospective cohort study. <i>American Journal of Transplantation</i> , 2018, 18, 1995-2004.	2.6	95
48	Position paper for the organization of ECMO programs for cardiac failure in adults. <i>Intensive Care Medicine</i> , 2018, 44, 717-729.	3.9	230
49	Outcomes and Mortality Prediction Model of Critically Ill Adults With Acute Respiratory Failure and Interstitial Lung Disease. <i>Chest</i> , 2018, 153, 1387-1395.	0.4	29
50	Geographic disparities in donor lung supply and lung transplant waitlist outcomes: A cohort study. <i>American Journal of Transplantation</i> , 2018, 18, 1471-1480.	2.6	33
51	Morbid obesity is not a contraindication to transport on extracorporeal support. <i>European Journal of Cardio-thoracic Surgery</i> , 2018, 53, 793-798.	0.6	25
52	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.	0.9	6
53	Management of Surge in Extracorporeal Membrane Oxygenation Transport. <i>Annals of Thoracic Surgery</i> , 2018, 105, 528-534.	0.7	17
54	Increasing Opportunity for Lung Transplant in Interstitial Lung Disease With Pulmonary Hypertension. <i>Annals of Thoracic Surgery</i> , 2018, 106, 1812-1819.	0.7	30

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55	Neoadjuvant atezolizumab + chemotherapy in resectable non-small cell lung cancer (NSCLC).. Journal of Clinical Oncology, 2018, 36, 8532-8532.	0.8	26
56	Reply. Annals of Thoracic Surgery, 2017, 103, 361-362.	0.7	0
57	Awake Extracorporeal Membrane Oxygenation as Bridge to Lung Transplantation: A 9-Year Experience. Annals of Thoracic Surgery, 2017, 104, 412-419.	0.7	183
58	Cross-circulation for extracorporeal support and recovery of the lung. Nature Biomedical Engineering, 2017, 1, .	11.6	39
59	Modified Potts Shunt in an Adult with Idiopathic Pulmonary Arterial Hypertension. Annals of the American Thoracic Society, 2017, 14, 607-609.	1.5	17
60	Controlled delivery and minimally invasive imaging of stem cells in the lung. Scientific Reports, 2017, 7, 13082.	1.6	34
61	Functional vascularized lung grafts for lung bioengineering. Science Advances, 2017, 3, e1700521.	4.7	72
62	Anesthetic management of the patient with extracorporeal membrane oxygenator support. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2017, 31, 227-236.	1.7	4
63	The "Central Sport Model" Extracorporeal Membrane Oxygenation Using the Innominate Artery for Smaller Patients as Bridge to Lung Transplantation. ASAIO Journal, 2017, 63, e39-e44.	0.9	58
64	Recurrent and congenital tracheoesophageal fistula in adults. European Journal of Cardio-thoracic Surgery, 2017, 52, 1218-1222.	0.6	11
65	Primary graft dysfunction: Long-term physical function outcomes among lung transplant recipients. Heart and Lung: Journal of Acute and Critical Care, 2016, 45, 544-549.	0.8	8
66	Thrombocytopenia and extracorporeal membrane oxygenation in adults with acute respiratory failure: a cohort study. Intensive Care Medicine, 2016, 42, 844-852.	3.9	90
67	Right ventricular assist device use in ventricular failure due to pulmonary arterial hypertension: Lessons learned. Journal of Heart and Lung Transplantation, 2016, 35, 1272-1274.	0.3	23
68	Ketamine use in sedation management in patients receiving extracorporeal membrane oxygenation. Intensive Care Medicine, 2016, 42, 1822-1823.	3.9	35
69	Extracorporeal Membrane Oxygenation for Cardiopulmonary Failure During Pregnancy and Postpartum. Annals of Thoracic Surgery, 2016, 102, 774-779.	0.7	89
70	Short-term and longer-term survival after veno-arterial extracorporeal membrane oxygenation in an adult patient population: does older age matter?. Perfusion (United Kingdom), 2016, 31, 366-375.	0.5	27
71	Duration of conventional cardiopulmonary resuscitation prior to extracorporeal cardiopulmonary resuscitation and survival among adult cardiac arrest patients.. Perfusion (United Kingdom), 2016, 31, 200-206.	0.5	7
72	Blood Conservation in Extracorporeal Membrane Oxygenation for Acute Respiratory Distress Syndrome. Annals of Thoracic Surgery, 2015, 99, 590-595.	0.7	130

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73	Left and Right Ventricular Functional Dynamics Determined by Echocardiograms Before and After Lung Transplantation. <i>American Journal of Cardiology</i> , 2015, 116, 652-659.	0.7	5
74	Clinically suspected heparin-induced thrombocytopenia during extracorporeal membrane oxygenation. <i>Journal of Critical Care</i> , 2015, 30, 1190-1194.	1.0	60
75	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.	3.3	32
76	One Hundred Transports on Extracorporeal Support to an Extracorporeal Membrane Oxygenation Center. <i>Annals of Thoracic Surgery</i> , 2015, 100, 34-40.	0.7	92
77	ECMO as Bridge to Lung Transplant. <i>Thoracic Surgery Clinics</i> , 2015, 25, 17-25.	0.4	56
78	Survival Following Venovenous Extracorporeal Membrane Oxygenation and Mortality in a Diverse Patient Population. <i>Journal of Extra-Corporeal Technology</i> , 2015, 47, 217-22.	0.2	3
79	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.	1.6	14
80	Comparison of extracorporeal membrane oxygenation versus cardiopulmonary bypass for lung transplantation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2014, 148, 2410-2416.	0.4	145
81	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.	0.8	9
82	The "Sport Model" Extracorporeal Membrane Oxygenation Using the Subclavian Artery. <i>Annals of Thoracic Surgery</i> , 2014, 98, 1487-1489.	0.7	104
83	Early mobilization of patients receiving extracorporeal membrane oxygenation: a retrospective cohort study. <i>Critical Care</i> , 2014, 18, R38.	2.5	240
84	The Efficacy of EBUS-Guided Transbronchial Needle Aspiration for Molecular Testing in Lung Adenocarcinoma. <i>Annals of Thoracic Surgery</i> , 2013, 96, 1196-1202.	0.7	80
85	Cardiac pacing: A novel approach to right ventricle failure during pulmonary thromboendarterectomy. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2013, 145, 1141-1143.	0.4	0
86	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.	0.4	18
87	Bridge to lung transplantation with extracorporeal membrane oxygenation support. <i>Current Opinion in Organ Transplantation</i> , 2012, 17, 496-502.	0.8	53
88	Subclavian Artery Cannulation for Venovenous Extracorporeal Membrane Oxygenation. <i>ASAIO Journal</i> , 2012, 58, 494-498.	0.9	102
89	Insertion of Bicaval Dual-Lumen Cannula via the Left Internal Jugular Vein for Extracorporeal Membrane Oxygenation. <i>ASAIO Journal</i> , 2012, 58, 636-637.	0.9	22
90	Extracorporeal membrane oxygenation as a bridge to lung transplantation and recovery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012, 144, 716-721.	0.4	148

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91	Use of Bicaval Dual-Lumen Catheter for Adult Venovenous Extracorporeal Membrane Oxygenation. <i>Annals of Thoracic Surgery</i> , 2011, 91, 1763-1769.	0.7	154
92	Insertion of Bicaval Dual Lumen Extracorporeal Membrane Oxygenation Catheter with Image Guidance. <i>ASAIO Journal</i> , 2011, 57, 203-205.	0.9	116
93	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.	0.9	21
94	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.	0.7	91