

Matthieu Schmidt

List of Publications by Citations

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114
papers

5,383
citations

39
h-index

72
g-index

128
ext. papers

7,487
ext. citations

8.7
avg, IF

5.55
L-index

#	Paper	IF	Citations
114	Predicting survival after ECMO for refractory cardiogenic shock: the survival after veno-arterial-ECMO (SAVE)-score. <i>European Heart Journal</i> , 2015 , 36, 2246-56	9.5	423
113	Predicting survival after extracorporeal membrane oxygenation for severe acute respiratory failure. The Respiratory Extracorporeal Membrane Oxygenation Survival Prediction (RESP) score. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 189, 1374-82	10.2	417
112	The PRESERVE mortality risk score and analysis of long-term outcomes after extracorporeal membrane oxygenation for severe acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , 2013 , 39, 1704-13	14.5	355
111	The ENCOURAGE mortality risk score and analysis of long-term outcomes after VA-ECMO for acute myocardial infarction with cardiogenic shock. <i>Intensive Care Medicine</i> , 2016 , 42, 370-378	14.5	240
110	Extracorporeal membrane oxygenation for severe acute respiratory distress syndrome associated with COVID-19: a retrospective cohort study. <i>Lancet Respiratory Medicine</i> , 2020 , 8, 1121-1131	35.1	195
109	Blood oxygenation and decarboxylation determinants during venovenous ECMO for respiratory failure in adults. <i>Intensive Care Medicine</i> , 2013 , 39, 838-46	14.5	184
108	Venoarterial extracorporeal membrane oxygenation support for refractory cardiovascular dysfunction during severe bacterial septic shock. <i>Critical Care Medicine</i> , 2013 , 41, 1616-26	1.4	182
107	Nosocomial infections in adult cardiogenic shock patients supported by venoarterial extracorporeal membrane oxygenation. <i>Clinical Infectious Diseases</i> , 2012 , 55, 1633-41	11.6	171
106	Position paper for the organization of ECMO programs for cardiac failure in adults. <i>Intensive Care Medicine</i> , 2018 , 44, 717-729	14.5	162
105	Mechanical ventilation management during extracorporeal membrane oxygenation for acute respiratory distress syndrome: a retrospective international multicenter study. <i>Critical Care Medicine</i> , 2015 , 43, 654-64	1.4	135
104	Brain injury during venovenous extracorporeal membrane oxygenation. <i>Intensive Care Medicine</i> , 2016 , 42, 897-907	14.5	134
103	ECMO Cardio-Pulmonary Resuscitation (ECPR), trends in survival from an international multicentre cohort study over 12-years. <i>Resuscitation</i> , 2017 , 112, 34-40	4	130
102	Mechanical Ventilation Management during Extracorporeal Membrane Oxygenation for Acute Respiratory Distress Syndrome. An International Multicenter Prospective Cohort. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 200, 1002-1012	10.2	116
101	Associations between ventilator settings during extracorporeal membrane oxygenation for refractory hypoxemia and outcome in patients with acute respiratory distress syndrome: a pooled individual patient data analysis : Mechanical ventilation during ECMO. <i>Intensive Care Medicine</i> , 2016 , 42, 1672-1684	14.5	112
100	Life-threatening massive pulmonary embolism rescued by venoarterial-extracorporeal membrane oxygenation. <i>Critical Care</i> , 2017 , 21, 76	10.8	106
99	Impact of fluid balance on outcome of adult patients treated with extracorporeal membrane oxygenation. <i>Intensive Care Medicine</i> , 2014 , 40, 1256-66	14.5	104
98	Predictive factors of bleeding events in adults undergoing extracorporeal membrane oxygenation. <i>Annals of Intensive Care</i> , 2016 , 6, 97	8.9	103

97	Dyspnea in mechanically ventilated critically ill patients. <i>Critical Care Medicine</i> , 2011 , 39, 2059-65	1.4	100
96	Neurally adjusted ventilatory assist increases respiratory variability and complexity in acute respiratory failure. <i>Anesthesiology</i> , 2010 , 112, 670-81	4.3	85
95	Unrecognized suffering in the ICU: addressing dyspnea in mechanically ventilated patients. <i>Intensive Care Medicine</i> , 2014 , 40, 1-10	14.5	83
94	Bedside Contribution of Electrical Impedance Tomography to Setting Positive End-Expiratory Pressure for Extracorporeal Membrane Oxygenation-treated Patients with Severe Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 196, 447-457	10.2	78
93	Fulminant Versus Acute Nonfulminant Myocarditis in Patients With Left Ventricular Systolic Dysfunction. <i>Journal of the American College of Cardiology</i> , 2019 , 74, 299-311	15.1	74
92	Intra-aortic balloon pump protects against hydrostatic pulmonary oedema during peripheral venoarterial-extracorporeal membrane oxygenation. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2018 , 7, 62-69	4.3	72
91	Systemic Inflammatory Response Syndrome Is a Major Contributor to COVID-19-Associated Coagulopathy: Insights From a Prospective, Single-Center Cohort Study. <i>Circulation</i> , 2020 , 142, 611-614	16.7	69
90	ECMO for severe ARDS: systematic review and individual patient data meta-analysis. <i>Intensive Care Medicine</i> , 2020 , 46, 2048-2057	14.5	69
89	Percutaneous versus surgical femoro-femoral veno-arterial ECMO: a propensity score matched study. <i>Intensive Care Medicine</i> , 2018 , 44, 2153-2161	14.5	65
88	Six-Month Outcome of Immunocompromised Patients with Severe Acute Respiratory Distress Syndrome Rescued by Extracorporeal Membrane Oxygenation. An International Multicenter Retrospective Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 197, 1297-1307	10.2	62
87	The ICM research agenda on extracorporeal life support. <i>Intensive Care Medicine</i> , 2017 , 43, 1306-1318	14.5	61
86	Outcomes and survival prediction models for severe adult acute respiratory distress syndrome treated with extracorporeal membrane oxygenation. <i>Critical Care</i> , 2016 , 20, 392	10.8	56
85	ECMO for ARDS: from salvage to standard of care?. <i>Lancet Respiratory Medicine</i> , 2019 , 7, 108-110	35.1	54
84	Extracorporeal membrane oxygenation network organisation and clinical outcomes during the COVID-19 pandemic in Greater Paris, France: a multicentre cohort study. <i>Lancet Respiratory Medicine</i> , 2021 , 9, 851-862	35.1	54
83	Neurally adjusted ventilatory assist improves patient-ventilator interaction during postextubation prophylactic noninvasive ventilation. <i>Critical Care Medicine</i> , 2012 , 40, 1738-44	1.4	51
82	Coronavirus Disease 2019 Acute Myocarditis and Multisystem Inflammatory Syndrome in Adult Intensive and Cardiac Care Units. <i>Chest</i> , 2021 , 159, 657-662	5.3	51
81	Neurally adjusted ventilatory assist and proportional assist ventilation both improve patient-ventilator interaction. <i>Critical Care</i> , 2015 , 19, 56	10.8	49
80	Extracorporeal gas exchange for acute respiratory failure in adult patients: a systematic review. <i>Critical Care</i> , 2015 , 19, 99	10.8	49

79	Feasibility and safety of low-flow extracorporeal CO removal managed with a renal replacement platform to enhance lung-protective ventilation of patients with mild-to-moderate ARDS. <i>Critical Care</i> , 2018 , 22, 122	10.8	48
78	Ultra-Protective Ventilation Reduces Biotrauma in Patients on Venovenous Extracorporeal Membrane Oxygenation for Severe Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , 2019 , 47, 1505-1512	1.4	46
77	Dyspnea and surface inspiratory electromyograms in mechanically ventilated patients. <i>Intensive Care Medicine</i> , 2013 , 39, 1368-76	14.5	43
76	Extracorporeal life support for adults with acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , 2020 , 46, 2464-2476	14.5	40
75	Venoarterial extracorporeal membrane oxygenation to rescue sepsis-induced cardiogenic shock: a retrospective, multicentre, international cohort study. <i>Lancet, The</i> , 2020 , 396, 545-552	4.0	39
74	Characteristics and Outcome of Patients After Allogeneic Hematopoietic Stem Cell Transplantation Treated With Extracorporeal Membrane Oxygenation for Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , 2017 , 45, e500-e507	1.4	37
73	What is the niche for extracorporeal membrane oxygenation in severe acute respiratory distress syndrome?. <i>Current Opinion in Critical Care</i> , 2012 , 18, 527-32	3.5	37
72	Ten situations in which ECMO is unlikely to be successful. <i>Intensive Care Medicine</i> , 2016 , 42, 750-752	14.5	34
71	Prevalence and outcome of heparin-induced thrombocytopenia diagnosed under veno-arterial extracorporeal membrane oxygenation: a retrospective nationwide study. <i>Intensive Care Medicine</i> , 2018 , 44, 1460-1469	14.5	30
70	Severe pulmonary embolism in COVID-19 patients: a call for increased awareness. <i>Critical Care</i> , 2020 , 24, 274	10.8	28
69	Expert consensus-based clinical practice guidelines management of intravascular catheters in the intensive care unit. <i>Annals of Intensive Care</i> , 2020 , 10, 118	8.9	28
68	ELSO Interim Guidelines for Venoarterial Extracorporeal Membrane Oxygenation in Adult Cardiac Patients. <i>ASAIO Journal</i> , 2021 , 67, 827-844	3.6	26
67	Prone positioning monitored by electrical impedance tomography in patients with severe acute respiratory distress syndrome on veno-venous ECMO. <i>Annals of Intensive Care</i> , 2020 , 10, 12	8.9	25
66	Retrieval of severe acute respiratory failure patients on extracorporeal membrane oxygenation: Any impact on their outcomes?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018 , 155, 1621-1629.e2	1.5	23
65	Fulminant giant-cell myocarditis on mechanical circulatory support: Management and outcomes of a French multicentre cohort. <i>International Journal of Cardiology</i> , 2018 , 253, 105-112	3.2	23
64	Position Paper on Global Extracorporeal Membrane Oxygenation Education and Educational Agenda for the Future: A Statement From the Extracorporeal Life Support Organization ECMOed Taskforce. <i>Critical Care Medicine</i> , 2020 , 48, 406-414	1.4	22
63	When the heart gets the flu: Fulminant influenza B myocarditis: A case-series report and review of the literature. <i>Journal of Critical Care</i> , 2018 , 47, 61-64	4	18
62	Distinct cytokine profiles associated with COVID-19 severity and mortality. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 147, 2098-2107	11.5	18

61	Thyroid Storm in the ICU: A Retrospective Multicenter Study. <i>Critical Care Medicine</i> , 2020 , 48, 83-90	1.4	17
60	Practice Patterns and Ethical Considerations in the Management of Venovenous Extracorporeal Membrane Oxygenation Patients: An International Survey. <i>Critical Care Medicine</i> , 2019 , 47, 1346-1355	1.4	17
59	Viral genome search in myocardium of patients with fulminant myocarditis. <i>European Journal of Heart Failure</i> , 2020 , 22, 1277-1280	12.3	14
58	Increased diaphragmatic contribution to inspiratory effort during neurally adjusted ventilatory assistance versus pressure support: an electromyographic study. <i>Anesthesiology</i> , 2014 , 121, 1028-36	4.3	14
57	Characteristics, management, and prognosis of elderly patients with COVID-19 admitted in the ICU during the first wave: insights from the COVID-ICU study : Prognosis of COVID-19 elderly critically ill patients in the ICU. <i>Annals of Intensive Care</i> , 2021 , 11, 77	8.9	14
56	Prevalence, Characteristics, and Outcomes of COVID-19-Associated Acute Myocarditis.. <i>Circulation</i> , 2022 , 145, 1123-1139	16.7	13
55	Breathlessness despite optimal pathophysiological treatment: on the relevance of being chronic. <i>European Respiratory Journal</i> , 2017 , 50,	13.6	12
54	Hemoglobin trigger and approach to red blood cell transfusions during veno-venous extracorporeal membrane oxygenation: the international TRAIN-ECMO survey. <i>Perfusion (United Kingdom)</i> , 2019 , 34, 39-48	1.9	12
53	Predictors of insufficient peak amikacin concentration in critically ill patients on extracorporeal membrane oxygenation. <i>Critical Care</i> , 2018 , 22, 199	10.8	12
52	Video-based feedback of oral clinical presentations reduces the anxiety of ICU medical students: a multicentre, prospective, randomized study. <i>BMC Medical Education</i> , 2014 , 14, 103	3.3	11
51	Extracorporeal Life Support for Severe Acute Chest Syndrome in Adult Sickle Cell Disease: A Preliminary Report. <i>Critical Care Medicine</i> , 2019 , 47, e263-e265	1.4	11
50	Usefulness of point-of-care multiplex PCR to rapidly identify pathogens responsible for ventilator-associated pneumonia and their resistance to antibiotics: an observational study. <i>Critical Care</i> , 2020 , 24, 378	10.8	10
49	Joint Society of Critical Care Medicine-Extracorporeal Life Support Organization Task Force Position Paper on the Role of the Intensivist in the Initiation and Management of Extracorporeal Membrane Oxygenation. <i>Critical Care Medicine</i> , 2020 , 48, 838-846	1.4	10
48	Co-infection with influenza-associated acute respiratory distress syndrome requiring extracorporeal membrane oxygenation. <i>International Journal of Antimicrobial Agents</i> , 2018 , 51, 427-433	14.3	10
47	Mechanical thrombectomy in acute ischemic stroke patients under venoarterial extracorporeal membrane oxygenation. <i>Journal of NeuroInterventional Surgery</i> , 2020 , 12, 486-488	7.8	9
46	Overcoming bleeding events related to extracorporeal membrane oxygenation in COVID-19 - AuthorsVreply. <i>Lancet Respiratory Medicine</i> , 2020 , 8, e89	35.1	9
45	Prone positioning during venovenous extracorporeal membrane oxygenation for acute respiratory distress syndrome: a systematic review and meta-analysis. <i>Critical Care</i> , 2021 , 25, 292	10.8	9
44	Extensive Myocardial Calcification in Critically Ill Patients. <i>Critical Care Medicine</i> , 2018 , 46, e702-e706	1.4	8

43	What's new with survival prediction models in acute respiratory failure patients requiring extracorporeal membrane oxygenation. <i>Intensive Care Medicine</i> , 2014 , 40, 1155-8	14.5	8
42	A lethal case of meningitis due to <i>Lactobacillus rhamnosus</i> as a late complication of anterior cervical spine surgery. <i>Journal of Infection</i> , 2011 , 62, 309-10	18.9	8
41	Use of non-carbapenem antibiotics to treat severe extended-spectrum β -lactamase-producing Enterobacteriaceae infections in intensive care unit patients. <i>International Journal of Antimicrobial Agents</i> , 2019 , 53, 547-552	14.3	7
40	Extracorporeal Membrane Oxygenation to Support Life-Threatening Drug-Refractory Electrical Storm. <i>Critical Care Medicine</i> , 2020 , 48, e856-e863	1.4	7
39	Prone-Positioning for Severe Acute Respiratory Distress Syndrome Requiring Extracorporeal Membrane Oxygenation. <i>Critical Care Medicine</i> , 2021 ,	1.4	7
38	Tracheostomy management in patients with severe acute respiratory distress syndrome receiving extracorporeal membrane oxygenation: an International Multicenter Retrospective Study. <i>Critical Care</i> , 2021 , 25, 238	10.8	7
37	Benefits of Impella and Peripheral Venous-Arterial Extra Corporeal Life Support Alliance. <i>ASAIO Journal</i> , 2019 , 65, 837-844	3.6	6
36	Emergency Abdominal Surgery Outcomes of Critically Ill Patients on Extracorporeal Membrane Oxygenation: A Case-Matched Study with a Propensity Score Analysis. <i>World Journal of Surgery</i> , 2019 , 43, 1474-1482	3.3	5
35	Elevated Venous to Arterial Carbon Dioxide Gap and Anion Gap Are Associated with Poor Outcome in Cardiogenic Shock Requiring Extracorporeal Membrane Oxygenation Support. <i>ASAIO Journal</i> , 2021 , 67, 263-269	3.6	5
34	Awake venoarterial extracorporeal membrane oxygenation for refractory cardiogenic shock. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2021 , 10, 585-594	4.3	5
33	Extracorporeal Membrane Oxygenation Induces Early Alterations in Coagulation and Fibrinolysis Profiles in COVID-19 Patients with Acute Respiratory Distress Syndrome. <i>Thrombosis and Haemostasis</i> , 2021 , 121, 1031-1042	7	5
32	Have we averted deaths using venoarterial ECMO?. <i>Intensive Care Medicine</i> , 2018 , 44, 2219-2221	14.5	4
31	Ventilator-associated pneumonia in extracorporeal membrane oxygenation-assisted patients. <i>Annals of Translational Medicine</i> , 2018 , 6, 427	3.2	4
30	Evolving outcomes of extracorporeal membrane oxygenation support for severe COVID-19 ARDS in Sorbonne hospitals, Paris. <i>Critical Care</i> , 2021 , 25, 355	10.8	4
29	A single-center long-term experience with marginal donor utilization for heart transplantation. <i>Clinical Transplantation</i> , 2020 , 34, e14057	3.8	4
28	Post-discharge arrhythmic risk stratification of patients with acute myocarditis and life-threatening ventricular tachyarrhythmias. <i>European Journal of Heart Failure</i> , 2021 ,	12.3	4
27	Recent advances in venovenous extracorporeal membrane oxygenation for severe acute respiratory distress syndrome. <i>Current Opinion in Critical Care</i> , 2019 , 25, 71-76	3.5	4
26	Effect of prone positioning on survival in adult patients receiving venovenous extracorporeal membrane oxygenation for acute respiratory distress syndrome: a systematic review and meta-analysis.. <i>Intensive Care Medicine</i> , 2022 , 48, 270	14.5	3

25	Heart failure supported by veno-arterial extracorporeal membrane oxygenation (ECMO): a systematic review of pre-clinical models. <i>Intensive Care Medicine Experimental</i> , 2020 , 8, 16	3.7	3
24	Extra-corporeal membrane oxygenation-associated infections: implication of extra-intestinal pathogenic <i>Escherichia coli</i> clones. <i>Journal of Medical Microbiology</i> , 2017 , 66, 1189-1195	3.2	3
23	Venous or arterial thromboses after venoarterial extracorporeal membrane oxygenation support: Frequency and risk factors. <i>Journal of Heart and Lung Transplantation</i> , 2021 , 40, 307-315	5.8	3
22	Long-term mortality and costs following use of Impella [®] for mechanical circulatory support: a population-based cohort study. <i>Canadian Journal of Anaesthesia</i> , 2020 , 67, 1728-1737	3	2
21	Extracorporeal membrane oxygenation for interstitial lung disease: what is on the other side of the bridge?. <i>Journal of Thoracic Disease</i> , 2016 , 8, 1918-20	2.6	2
20	To be or not to be on ECMO: can survival prediction models solve the question?. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2017 , 19, 21-28	2.8	2
19	Predicting 90-day survival of patients with COVID-19: Survival of Severely Ill COVID (SOSIC) scores.. <i>Annals of Intensive Care</i> , 2021 , 11, 170	8.9	2
18	Spinal-cardiac crosstalk. <i>Intensive Care Medicine</i> , 2020 , 46, 1614-1615	14.5	1
17	Influence of ventilatory strategy on the PRESERVE mortality risk score: response to Camporota et al. <i>Intensive Care Medicine</i> , 2014 , 40, 916	14.5	1
16	The Right Ventricle During Venovenous Extracorporeal Membrane Oxygenation in Acute Respiratory Distress Syndrome: Can We Protect the Injured Ventricle?. <i>ASAIO Journal</i> , 2022 , 68, 456-460	3.6	1
15	Prone positioning during venovenous extracorporeal membrane oxygenation for acute respiratory distress syndrome: a pooled individual patient data analysis.. <i>Critical Care</i> , 2022 , 26, 8	10.8	1
14	Extracorporeal cardiopulmonary resuscitation for refractory in-hospital cardiac arrest: A retrospective cohort study.. <i>International Journal of Cardiology</i> , 2022 ,	3.2	1
13	Arrhythmia-induced cardiomyopathy: A potentially reversible cause of refractory cardiogenic shock requiring venoarterial extracorporeal membrane oxygenation. <i>Heart Rhythm</i> , 2021 , 18, 1106-1112	6.7	1
12	Changes in Venoarterial Extracorporeal Membrane Oxygenation Management Over Time Could Explain a More Frequent Diagnosis of Neurological Complications in That Population. <i>Critical Care Medicine</i> , 2021 , 49, e342-e343	1.4	1
11	Microcirculation in cardiogenic shock supported with extracorporeal membrane oxygenation: the need for a homogeneous population and strict evolution assessment. <i>Critical Care</i> , 2018 , 22, 281	10.8	1
10	Lung transplantation for COVID-19-associated ARDS. <i>Lancet Respiratory Medicine</i> , 2021 , 9, e89	35.1	1
9	International survey of neuromonitoring and neurodevelopmental outcome in children and adults supported on extracorporeal membrane oxygenation in Europe. <i>Perfusion (United Kingdom)</i> , 2021 , 2676591211042563	1.9	1
8	Amniotic fluid embolism rescued by venoarterial extracorporeal membrane oxygenation.. <i>Critical Care</i> , 2022 , 26, 96	10.8	1

7	Transvenous Renal Biopsy of Critically Ill Patients: Safety and Diagnostic Yield. <i>Critical Care Medicine</i> , 2019 , 47, 386-392	1.4	o
6	In a Patient Under ECMO. <i>Lessons From the ICU</i> , 2019 , 469-479	0.1	
5	Four situations in which ECMO might have a chance: response to Staudacher et al. <i>Intensive Care Medicine</i> , 2016 , 42, 1307	14.5	
4	Preemptive acyclovir to prevent herpes simplex virus bronchopneumonitis in mechanically ventilated patients with herpes simplex virus oropharyngeal reactivation: An ancillary study of the preemptive treatment for herpesviridae trial. <i>Antiviral Therapy</i> , 2022 , 27, 135965352110726	1.6	
3	The authors reply. <i>Critical Care Medicine</i> , 2021 , 49, e545-e546	1.4	
2	The authors reply. <i>Critical Care Medicine</i> , 2021 , 49, e334-e335	1.4	
1	Fulminant myocarditis in adults: a narrative review.. <i>Journal of Geriatric Cardiology</i> , 2022 , 19, 137-151	1.7	