

Nicolas BrÃ©chot

List of Publications by Year in descending order

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Version: 2024-02-01

82
papers

5,936
citations

87888

38
h-index

74163

75
g-index

83
all docs

83
docs citations

83
times ranked

7648
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | 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, 1704-1713. | 8.2 | 454 |
| 2 | 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. | 8.2 | 348 |
| 3 | 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. | 10.7 | 344 |
| 4 | Blood oxygenation and decarboxylation determinants during venovenous ECMO for respiratory failure in adults. <i>Intensive Care Medicine</i> , 2013, 39, 838-846. | 8.2 | 262 |
| 5 | Antibiotic stewardship in the intensive care unit. <i>Critical Care</i> , 2014, 18, 480. | 5.8 | 252 |
| 6 | Nosocomial Infections in Adult Cardiogenic Shock Patients Supported by Venoarterial Extracorporeal Membrane Oxygenation. <i>Clinical Infectious Diseases</i> , 2012, 55, 1633-1641. | 5.8 | 237 |
| 7 | Venoarterial Extracorporeal Membrane Oxygenation Support for Refractory Cardiovascular Dysfunction During Severe Bacterial Septic Shock*. <i>Critical Care Medicine</i> , 2013, 41, 1616-1626. | 0.9 | 224 |
| 8 | Brain injury during venovenous extracorporeal membrane oxygenation. <i>Intensive Care Medicine</i> , 2016, 42, 897-907. | 8.2 | 200 |
| 9 | Activation of the UNC5B receptor by Netrin-1 inhibits sprouting angiogenesis. <i>Genes and Development</i> , 2007, 21, 2433-2447. | 5.9 | 195 |
| 10 | Lysyl oxidase-like protein-2 regulates sprouting angiogenesis and type IV collagen assembly in the endothelial basement membrane. <i>Blood</i> , 2011, 118, 3979-3989. | 1.4 | 173 |
| 11 | Extracellular Matrix- Bound Angiopoietin-Like 4 Inhibits Endothelial Cell Adhesion, Migration, and Sprouting and Alters Actin Cytoskeleton. <i>Circulation Research</i> , 2006, 99, 1207-1215. | 4.5 | 168 |
| 12 | 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. | 10.7 | 163 |
| 13 | Life-threatening massive pulmonary embolism rescued by venoarterial-extracorporeal membrane oxygenation. <i>Critical Care</i> , 2017, 21, 76. | 5.8 | 152 |
| 14 | Intra-Aortic Balloon Pump Effects on Macrocirculation and Microcirculation in Cardiogenic Shock Patients Supported by Venoarterial Extracorporeal Membrane Oxygenation*. <i>Critical Care Medicine</i> , 2014, 42, 2075-2082. | 0.9 | 146 |
| 15 | Determinants of long-term outcome in ICU survivors: results from the FROG-ICU study. <i>Critical Care</i> , 2018, 22, 8. | 5.8 | 123 |
| 16 | Tight computerized versus conventional glucose control in the ICU: a randomized controlled trial. <i>Intensive Care Medicine</i> , 2014, 40, 171-181. | 8.2 | 120 |
| 17 | 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. | 1.0 | 119 |
| 18 | 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. | 5.6 | 116 |

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|----|--|------|-----------|
| 19 | Venoarterial extracorporeal membrane oxygenation to rescue sepsis-induced cardiogenic shock: a retrospective, multicentre, international cohort study. <i>Lancet, The</i> , 2020, 396, 545-552. | 13.7 | 108 |
| 20 | Systemic Inflammatory Response Syndrome Is a Major Contributor to COVID-19-associated Coagulopathy. <i>Circulation</i> , 2020, 142, 611-614. | 1.6 | 108 |
| 21 | Ventilator-associated pneumonia in patients with SARS-CoV-2-associated acute respiratory distress syndrome requiring ECMO: a retrospective cohort study. <i>Annals of Intensive Care</i> , 2020, 10, 158. | 4.6 | 108 |
| 22 | Early High-Volume Hemofiltration versus Standard Care for Post-cardiac Surgery Shock. The HEROICS Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 1179-1190. | 5.6 | 103 |
| 23 | Ischemic and hemorrhagic brain injury during venoarterial-extracorporeal membrane oxygenation. <i>Annals of Intensive Care</i> , 2018, 8, 129. | 4.6 | 91 |
| 24 | 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. | 0.9 | 83 |
| 25 | Late antibody-mediated rejection after heart transplantation: Mortality, graft function, and fulminant cardiac allograft vasculopathy. <i>Journal of Heart and Lung Transplantation</i> , 2015, 34, 1050-1057. | 0.6 | 79 |
| 26 | Impact of Red Blood Cell Transfusion on Platelet Aggregation and Inflammatory Response in Anemic Coronary and Noncoronary Patients. <i>Journal of the American College of Cardiology</i> , 2014, 63, 1289-1296. | 2.8 | 78 |
| 27 | Venoarterial extracorporeal membrane oxygenation for refractory cardiogenic shock post-cardiac arrest. <i>Intensive Care Medicine</i> , 2016, 42, 1999-2007. | 8.2 | 78 |
| 28 | Coronavirus Disease 2019 Acute Myocarditis and Multisystem Inflammatory Syndrome in Adult Intensive and Cardiac Care Units. <i>Chest</i> , 2021, 159, 657-662. | 0.8 | 78 |
| 29 | Modulation of Macrophage Activation State Protects Tissue from Necrosis during Critical Limb Ischemia in Thrombospondin-1-Deficient Mice. <i>PLoS ONE</i> , 2008, 3, e3950. | 2.5 | 64 |
| 30 | Procalcitonin to guide antibiotic therapy in the ICU. <i>International Journal of Antimicrobial Agents</i> , 2015, 46, S19-S24. | 2.5 | 59 |
| 31 | Imipenem, Meropenem, or Doripenem To Treat Patients with <i>Pseudomonas aeruginosa</i> Ventilator-Associated Pneumonia. <i>Antimicrobial Agents and Chemotherapy</i> , 2014, 58, 1372-1380. | 3.2 | 58 |
| 32 | Recombinant factor VIIa for uncontrollable bleeding in patients with extracorporeal membrane oxygenation: report on 15 cases and literature review. <i>Critical Care</i> , 2013, 17, R55. | 5.8 | 52 |
| 33 | Outcomes in Critically Ill Patients With Systemic Rheumatic Disease. <i>Chest</i> , 2015, 148, 927-935. | 0.8 | 47 |
| 34 | Ten situations in which ECMO is unlikely to be successful. <i>Intensive Care Medicine</i> , 2016, 42, 750-752. | 8.2 | 47 |
| 35 | Venoarterial extracorporeal membrane oxygenation in cardiogenic shock: indications, mode of operation, and current evidence. <i>Current Opinion in Critical Care</i> , 2019, 25, 397-402. | 3.2 | 45 |
| 36 | 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. | 4.6 | 43 |

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|----|--|-----|-----------|
| 37 | Extracorporeal membrane oxygenation for pheochromocytoma-induced cardiogenic shock. <i>Annals of Intensive Care</i> , 2016, 6, 117. | 4.6 | 42 |
| 38 | Venoarterial extracorporeal membrane oxygenation as mechanical circulatory support in adult septic shock: a systematic review and meta-analysis with individual participant data meta-regression analysis. <i>Critical Care</i> , 2021, 25, 246. | 5.8 | 41 |
| 39 | Severe pulmonary embolism in COVID-19 patients: a call for increased awareness. <i>Critical Care</i> , 2020, 24, 274. | 5.8 | 39 |
| 40 | What is the niche for extracorporeal membrane oxygenation in severe acute respiratory distress syndrome?. <i>Current Opinion in Critical Care</i> , 2012, 18, 527-532. | 3.2 | 38 |
| 41 | Severe and multiple hypoglycemic episodes are associated with increased risk of death in ICU patients. <i>Critical Care</i> , 2015, 19, 153. | 5.8 | 37 |
| 42 | 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. | 0.8 | 31 |
| 43 | When the heart gets the flu. <i>Journal of Critical Care</i> , 2018, 47, 61-64. | 2.2 | 31 |
| 44 | Prognostic Factors in Anti-glomerular Basement Membrane Disease: A Multicenter Study of 119 Patients. <i>Frontiers in Immunology</i> , 2019, 10, 1665. | 4.8 | 31 |
| 45 | Favorable Outcomes of a Direct Heart Transplantation Strategy in Selected Patients on Extracorporeal Membrane Oxygenation Support. <i>Critical Care Medicine</i> , 2020, 48, 498-506. | 0.9 | 31 |
| 46 | Incidence and Outcome of Subclinical Acute Kidney Injury Using penKid in Critically Ill Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 822-829. | 5.6 | 31 |
| 47 | Outcome after revascularisation of acute myocardial infarction with cardiogenic shock on extracorporeal life support. <i>EuroIntervention</i> , 2018, 13, 2160-2168. | 3.2 | 29 |
| 48 | Delivering antibiotics to the lungs of patients with ventilator-associated pneumonia: an update. <i>Expert Review of Anti-Infective Therapy</i> , 2013, 11, 511-521. | 4.4 | 28 |
| 49 | Microcirculation Evolution in Patients on Venoarterial Extracorporeal Membrane Oxygenation for Refractory Cardiogenic Shock. <i>Critical Care Medicine</i> , 2020, 48, e9-e17. | 0.9 | 28 |
| 50 | Usefulness of right ventricular isovolumic relaxation time in predicting systolic pulmonary artery pressure. <i>European Journal of Echocardiography</i> , 2008, 9, 547-554. | 2.3 | 27 |
| 51 | Predictors of insufficient peak amikacin concentration in critically ill patients on extracorporeal membrane oxygenation. <i>Critical Care</i> , 2018, 22, 199. | 5.8 | 24 |
| 52 | What role do viruses play in nosocomial pneumonia?. <i>Current Opinion in Infectious Diseases</i> , 2014, 27, 194-199. | 3.1 | 22 |
| 53 | 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. | 5.8 | 22 |
| 54 | One-Year Prognosis of Kidney Injury at Discharge From the ICU: A Multicenter Observational Study. <i>Critical Care Medicine</i> , 2019, 47, e953-e961. | 0.9 | 21 |

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|----|---|-----|-----------|
| 55 | Favorable Outcome of an Exclusively Posttransplant Prophylactic Strategy After Heart Transplantation in Recipients With High Immunological Risk. <i>Transplantation</i> , 2019, 103, 1439-1449. | 1.0 | 20 |
| 56 | Mechanical circulatory devices in acute heart failure. <i>Current Opinion in Critical Care</i> , 2018, 24, 286-291. | 3.2 | 18 |
| 57 | Awake venoarterial extracorporeal membrane oxygenation for refractory cardiogenic shock. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2021, 10, 585-594. | 1.0 | 18 |
| 58 | Co-infection with influenza-associated acute respiratory distress syndrome requiring extracorporeal membrane oxygenation. <i>International Journal of Antimicrobial Agents</i> , 2018, 51, 427-433. | 2.5 | 17 |
| 59 | Extracorporeal Membrane Oxygenation to Support Life-Threatening Drug-Refractory Electrical Storm. <i>Critical Care Medicine</i> , 2020, 48, e856-e863. | 0.9 | 16 |
| 60 | Severe diffuse alveolar hemorrhage related to autoimmune disease: a multicenter study. <i>Critical Care</i> , 2020, 24, 231. | 5.8 | 15 |
| 61 | Extracorporeal membrane oxygenation: beyond rescue therapy for acute respiratory distress syndrome?. <i>Current Opinion in Critical Care</i> , 2017, 23, 60-65. | 3.2 | 14 |
| 62 | Performance of existing risk scores around heart transplantation: validation study in a 4-year cohort. <i>Transplant International</i> , 2018, 31, 520-530. | 1.6 | 13 |
| 63 | 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. | 2.5 | 12 |
| 64 | 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. | 3.4 | 12 |
| 65 | Extensive Myocardial Calcification in Critically Ill Patients. <i>Critical Care Medicine</i> , 2018, 46, e702-e706. | 0.9 | 11 |
| 66 | Euglycemic ketoacidosis, a common and underrecognized complication of continuous renal replacement therapy using glucose-free solutions. <i>Intensive Care Medicine</i> , 2018, 44, 1185-1186. | 8.2 | 10 |
| 67 | Aerosol Therapy for Pneumonia in the Intensive Care Unit. <i>Clinics in Chest Medicine</i> , 2018, 39, 823-836. | 2.1 | 10 |
| 68 | Long-term outcome of heart transplantation performed after ventricular assist device compared with standard heart transplantation. <i>Archives of Cardiovascular Diseases</i> , 2019, 112, 485-493. | 1.6 | 10 |
| 69 | Prolonged extracorporeal membrane oxygenation and lung transplantation for isolated pulmonary anti-GBM (Goodpasture) disease. <i>Intensive Care Medicine</i> , 2015, 41, 1866-1868. | 8.2 | 9 |
| 70 | Arrhythmia-induced cardiomyopathy: A potentially reversible cause of refractory cardiogenic shock requiring venoarterial extracorporeal membrane oxygenation. <i>Heart Rhythm</i> , 2021, 18, 1106-1112. | 0.7 | 9 |
| 71 | Transvenous Renal Biopsy of Critically Ill Patients: Safety and Diagnostic Yield. <i>Critical Care Medicine</i> , 2019, 47, 386-392. | 0.9 | 8 |
| 72 | 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. | 1.6 | 7 |

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|----|--|-----|-----------|
| 73 | Association between cytomegalovirus infection and allograft rejection in a large contemporary cohort of heart transplant recipients. <i>Transplant Infectious Disease</i> , 2021, 23, e13569. | 1.7 | 6 |
| 74 | Extracorporeal cardiopulmonary resuscitation for refractory in-hospital cardiac arrest: A retrospective cohort study. <i>International Journal of Cardiology</i> , 2022, 350, 48-54. | 1.7 | 5 |
| 75 | Prompt Diagnosis of a New Clinical Entity. <i>ASAIO Journal</i> , 2013, 59, 367. | 1.6 | 4 |
| 76 | Venoarterial Extracorporeal Membrane Oxygenation Support Rescue of Obstructive Shock Caused by Bulky Compressive Mediastinal Cancer. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 1181-1184. | 5.6 | 4 |
| 77 | The place of extracorporeal life support in cardiogenic shock. <i>Current Opinion in Critical Care</i> , 2020, 26, 424-431. | 3.2 | 4 |
| 78 | Outcomes of severe systemic rheumatic disease patients requiring extracorporeal membrane oxygenation. <i>Annals of Intensive Care</i> , 2021, 11, 29. | 4.6 | 4 |
| 79 | Multidrug-resistant bacteria transmitted through high-density EEG in ICU. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2016, 37, 65-68. | 2.0 | 2 |
| 80 | The authors reply. <i>Critical Care Medicine</i> , 2014, 42, e174. | 0.9 | 0 |
| 81 | Four situations in which ECMO might have a chance: response to Staudacher et al.. <i>Intensive Care Medicine</i> , 2016, 42, 1307-1307. | 8.2 | 0 |
| 82 | Cardiogenic Shock: Evidence, Indications, and Exclusions. <i>Respiratory Medicine</i> , 2016, , 73-85. | 0.1 | 0 |