# Charles-Edouard Luyt

List of Publications by Year
in descending order



| 114 | 9,867 | 57631 | 38300 |
|---|---|---|---|
| papers | citations | 44 h-index | 95 g-index |

| 118 | 118 | 118 | 11935 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Extracorporeal cardiopulmonary resuscitation for refractory in-hospital cardiac arrest: A retrospective cohort study. International Journal of Cardiology, 2022, 350, 48-54. | 0.8 | 5 |
| 2 | Human genetic and immunological determinants of critical COVID-19 pneumonia. Nature, 2022, 603, 587-598. | 13.7 | 216 |
| 3 | Pre-COVID-19 Immunity to Common Cold Human Coronaviruses Induces a Recall-Type IgG Response to SARS-CoV-2 Antigens Without Cross-Neutralisation. Frontiers in Immunology, 2022, 13, 790334. | 2.2 | 10 |
| 4 | The consequences of COVID-19 pandemic on patients with monoclonal gammopathyâ€“associated systemic capillary leak syndrome (Clarkson disease). Journal of Allergy and Clinical Immunology: in Practice, 2022, 10, 626-629. | 2.0 | 6 |
| 5 | 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. Antiviral Therapy, 2022, 27, 135965352110726. | 0.6 | 0 |
| 6 | Healthcare-associated infections in adult intensive care unit patients: Changes in epidemiology, diagnosis, prevention and contributions of new technologies. Intensive and Critical Care Nursing, 2022, 70, 103227. | 1.4 | 80 |
| 7 | Prognostic value of electroencephalographic paroxysms in post-anoxic coma: A new regularity EEG-based score. Neurophysiologie Clinique, 2022, , . | 1.0 | 2 |
| 8 | Comparison of 8 versus 15Âdays of antibiotic therapy for Pseudomonas aeruginosa ventilator-associated pneumonia in adults: a randomized, controlled, open-label trial. Intensive Care Medicine, 2022, 48, 841-849. | 3.9 | 43 |
| 9 | Monocyte: A New Player in the Pathophysiology of Herpes Simplex Virus Reactivation in ICU Patients?. American Journal of Respiratory and Critical Care Medicine, 2022, , . | 2.5 | 0 |
| 10 | The risk of COVID-19 death is much greater and age dependent with type I IFN autoantibodies. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2200413119. | 3.3 | 110 |
| 11 | Occurrence of Candidemia in Patients with COVID-19 Admitted to Five ICUs in France. Journal of Fungi (Basel, Switzerland), 2022, 8, 678. | 1.5 | 11 |
| 12 | Long-Term Disabilities of Survivors of Out-of-Hospital Cardiac Arrest. Chest, 2021, 159, 699-711. | 0.4 | 21 |
| 13 | IgA dominates the early neutralizing antibody response to SARS-CoV-2. Science Translational Medicine, 2021, 13, . | 5.8 | 840 |
| 14 | Co-infection of SARS-CoV-2 with other respiratory viruses and performance of lower respiratory tract samples for the diagnosis of COVID-19. International Journal of Infectious Diseases, 2021, 102, 10-13. | 1.5 | 46 |
| 15 | Coronavirus Disease 2019 Acute Myocarditis and Multisystem Inflammatory Syndrome in Adult Intensive and Cardiac Care Units. Chest, 2021, 159, 657-662. | 0.4 | 78 |
| 16 | Relationship between SARS-CoV-2 infection and the incidence of ventilator-associated lower respiratory tract infections: a European multicenter cohort study. Intensive Care Medicine, 2021, 47, 188-198. | 3.9 | 237 |
| 17 | Preemptive ganciclovir for mechanically ventilated patients with cytomegalovirus reactivation. Annals of Intensive Care, 2021, 11, 33. | 2.2 | 24 |
| 18 | Plasma Exchange to Rescue Patients with Autoantibodies Against Type I Interferons and Life-Threatening COVID-19 Pneumonia. Journal of Clinical Immunology, 2021, 41, 536-544. | 2.0 | 62 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Response. Chest, 2021, 159, 1303-1304. | 0.4 | 0 |
| 20 | Venous or arterial thromboses after venoarterial extracorporeal membrane oxygenation support: Frequency and risk factors. Journal of Heart and Lung Transplantation, 2021, 40, 307-315. | 0.3 | 17 |
| 21 | Awake venoarterial extracorporeal membrane oxygenation for refractory cardiogenic shock. European Heart Journal: Acute Cardiovascular Care, 2021, 10, 585-594. | 0.4 | 18 |
| 22 | Relationship between ventilator-associated pneumonia and mortality in COVID-19 patients: a planned ancillary analysis of the coVAPid cohort. Critical Care, 2021, 25, 177. | 2.5 | 69 |
| 23 | Extracorporeal Membrane Oxygenation Induces Early Alterations in Coagulation and Fibrinolysis Profiles in COVID-19 Patients with Acute Respiratory Distress Syndrome. Thrombosis and Haemostasis, 2021, 121, 1031-1042. | 1.8 | 12 |
| 24 | Distinct cytokine profiles associated with COVID-19 severity and mortality. Journal of Allergy and Clinical Immunology, 2021, 147, 2098-2107. | 1.5 | 47 |
| 25 | Arrhythmia-induced cardiomyopathy: A potentially reversible cause of refractory cardiogenic shock requiring venoarterial extracorporeal membrane oxygenation. Heart Rhythm, 2021, 18, 1106-1112. | 0.3 | 9 |
| 26 | Autoantibodies neutralizing type I IFNs are present in ~4% of uninfected individuals over 70 years old and account for ~20% of COVID-19 deaths. Science Immunology, 2021, 6, . | 5.6 | 357 |
| 27 | Electrical Impedance Tomography Monitoring of Bronchoalveolar Lavage in Patients With Acute Respiratory Distress Syndrome. Critical Care Medicine, 2021, Publish Ahead of Print, . | 0.4 | 0 |
| 28 | CD8+PD-L1+CXCR3+ polyfunctional T cell abundances are associated with survival in critical SARS-CoV-2â€“infected patients. JCI Insight, 2021, 6, . | 2.3 | 16 |
| 29 | Clarksonâ€™s Disease Episode or Secondary Systemic Capillary Leak-Syndrome. Chest, 2021, 159, 441. | 0.4 | 5 |
| 30 | OUP accepted manuscript. European Journal of Cardio-thoracic Surgery, 2021, , . | 0.6 | 5 |
| 31 | Evolving outcomes of extracorporeal membrane oxygenation support for severe COVID-19 ARDS in Sorbonne hospitals, Paris. Critical Care, 2021, 25, 355. | 2.5 | 50 |
| 32 | Renal replacement therapy in extra-corporeal membrane oxygenation patients: A survey of practices and new insights for future studies. Anaesthesia, Critical Care & Pain Medicine, 2021, 40, 100971. | 0.6 | 7 |
| 33 | Characteristics and prognosis of bloodstream infection in patients with COVID-19 admitted in the ICU: an ancillary study of the COVID-ICU study. Annals of Intensive Care, 2021, 11, 183. | 2.2 | 20 |
| 34 | Handling shock in idiopathic systemic capillary leak syndrome (Clarksonâ€™s disease): less is moreâ€”comment. Internal and Emergency Medicine, 2020, 15, 347-348. | 1.0 | 3 |
| 35 | Mechanical thrombectomy in acute ischemic stroke patients under venoarterial extracorporeal membrane oxygenation. Journal of NeuroInterventional Surgery, 2020, 12, 486-488. | 2.0 | 12 |
| 36 | Acyclovir for Mechanically Ventilated Patients With Herpes Simplex Virus Oropharyngeal Reactivation. JAMA Internal Medicine, 2020, 180, 263. | 2.6 | 46 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | In-Hospital Mortality-Associated Factors in Patients With Thrombotic Antiphospholipid Syndrome Requiring ICU Admission. Chest, 2020, 157, 1158-1166. | 0.4 | 12 |
| 38 | Response. Chest, 2020, 158, 429-430. | 0.4 | 0 |
| 39 | Severe Viral Myopericarditis With Autoantibodies Directed Against RNA Polymerase III. Annals of Internal Medicine, 2020, 172, 502. | 2.0 | 5 |
| 40 | Effect of antiviral therapy on the outcomes of mechanically ventilated patients with herpes simplex virus detected in the respiratory tract: a systematic review and meta-analysis. Critical Care, 2020, 24, 584. | 2.5 | 22 |
| 41 | Extracorporeal Membrane Oxygenation to Support Life-Threatening Drug-Refractory Electrical Storm. Critical Care Medicine, 2020, 48, e856-e863. | 0.4 | 16 |
| 42 | Venoarterial extracorporeal membrane oxygenation to rescue sepsis-induced cardiogenic shock: a retrospective, multicentre, international cohort study. Lancet, The, 2020, 396, 545-552. | 6.3 | 108 |
| 43 | Pulmonary infections complicating ARDS. Intensive Care Medicine, 2020, 46, 2168-2183. | 3.9 | 69 |
| 44 | SARS-CoV-2 Induces Acute and Refractory Relapse of Systemic Capillary Leak Syndrome (Clarkson's) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 | 0.6 | 24 |
| 45 | The challenge of ventilator-associated pneumonia diagnosis in COVID-19 patients. Critical Care, 2020, 24, 289. | 2.5 | 57 |
| 46 | Ventilator-associated pneumonia in adults: a narrative review. Intensive Care Medicine, 2020, 46, 888-906. | 3.9 | 361 |
| 47 | Usefulness of point-of-care multiplex PCR to rapidly identify pathogens responsible for ventilator-associated pneumonia and their resistance to antibiotics: an observational study. Critical Care, 2020, 24, 378. | 2.5 | 22 |
| 48 | Prone positioning monitored by electrical impedance tomography in patients with severe acute respiratory distress syndrome on veno-venous ECMO. Annals of Intensive Care, 2020, 10, 12. | 2.2 | 43 |
| 49 | One-Year Outcome of Critically Ill Patients With Systemic Rheumatic Disease. Chest, 2020, 158, 1017-1026. | 0.4 | 16 |
| 50 | Ventilator-associated pneumonia in patients with SARS-CoV-2-associated acute respiratory distress syndrome requiring ECMO: a retrospective cohort study. Annals of Intensive Care, 2020, 10, 158. | 2.2 | 108 |
| 51 | CAPS criteria fail to identify most severely-ill thrombotic antiphospholipid syndrome patients requiring intensive care unit admission. Journal of Autoimmunity, 2019, 103, 102292. | 3.0 | 7 |
| 52 | Epidemiology of post-influenza bacterial pneumonia due to Pantonâ€“Valentine leucocidin positive Staphylococcus aureus in intensive care units: a retrospective nationwide study. Intensive Care Medicine, 2019, 45, 1312-1314. | 3.9 | 10 |
| 53 | Influenza Infections and Emergent Viral Infections in Intensive Care Unit. Seminars in Respiratory and Critical Care Medicine, 2019, 40, 488-497. | 0.8 | 54 |
| 54 | Diagnostic and therapeutic approach to infectious diseases in solid organ transplant recipients. Intensive Care Medicine, 2019, 45, 573-591. | 3.9 | 48 |

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|---|---|---|---|
| 55 | Emergency Abdominal Surgery Outcomes of Critically Ill Patients on Extracorporeal Membrane Oxygenation: A Caseâ€Matched Study with a Propensity Score Analysis. World Journal of Surgery, 2019, 43, 1474-1482. | 0.8 | 7 |
| 56 | Use of non-carbapenem antibiotics to treat severe extended-spectrum Î²-lactamase-producing Enterobacteriaceae infections in intensive care unit patients. International Journal of Antimicrobial Agents, 2019, 53, 547-552. | 1.1 | 12 |
| 57 | Transvenous Renal Biopsy of Critically Ill Patients: Safety and Diagnostic Yield. Critical Care Medicine, 2019, 47, 386-392. | 0.4 | 8 |
| 58 | Ultra-Protective Ventilation Reduces Biotrauma in Patients on Venovenous Extracorporeal Membrane Oxygenation for Severe Acute Respiratory Distress Syndrome*. Critical Care Medicine, 2019, 47, 1505-1512. | 0.4 | 83 |
| 59 | Retrieval of severe acute respiratory failure patients on extracorporeal membrane oxygenation: Any impact on their outcomes?. Journal of Thoracic and Cardiovascular Surgery, 2018, 155, 1621-1629.e2. | 0.4 | 31 |
| 60 | Six-Month Outcome of Immunocompromised Patients with Severe Acute Respiratory Distress Syndrome Rescued by Extracorporeal Membrane Oxygenation. An International Multicenter Retrospective Study. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 1297-1307. | 2.5 | 95 |
| 61 | Extensive Myocardial Calcification in Critically Ill Patients. Critical Care Medicine, 2018, 46, e702-e706. | 0.4 | 11 |
| 62 | Tracheotomy in the intensive care unit: Guidelines from a French expert panel: The French Intensive Care Society and the French Society of Anaesthesia and Intensive Care Medicine. Anaesthesia, Critical Care & Pain Medicine, 2018, 37, 281-294. | 0.6 | 37 |
| 63 | Intra-aortic balloon pump protects against hydrostatic pulmonary oedema during peripheral venoarterial-extracorporeal membrane oxygenation. European Heart Journal: Acute Cardiovascular Care, 2018, 7, 62-69. | 0.4 | 119 |
| 64 | Co-infection with influenza-associated acute respiratory distress syndrome requiring extracorporeal membrane oxygenation. International Journal of Antimicrobial Agents, 2018, 51, 427-433. | 1.1 | 17 |
| 65 | Brief summary of French guidelines for the prevention, diagnosis and treatment of hospital-acquired pneumonia in ICU. Annals of Intensive Care, 2018, 8, 104. | 2.2 | 32 |
| 66 | Ischemic and hemorrhagic brain injury during venoarterial-extracorporeal membrane oxygenation. Annals of Intensive Care, 2018, 8, 129. | 2.2 | 91 |
| 67 | Aerosol Therapy for Pneumonia in the Intensive Care Unit. Clinics in Chest Medicine, 2018, 39, 823-836. | 0.8 | 10 |
| 68 | Microbial cause of ICU-acquired pneumonia: hospital-acquired pneumonia versus ventilator-associated pneumonia. Current Opinion in Critical Care, 2018, 24, 332-338. | 1.6 | 78 |
| 69 | Predictors of insufficient peak amikacin concentration in critically ill patients on extracorporeal membrane oxygenation. Critical Care, 2018, 22, 199. | 2.5 | 24 |
| 70 | When the heart gets the flu. Journal of Critical Care, 2018, 47, 61-64. | 1.0 | 31 |
| 71 | The intensive care medicine research agenda on multidrug-resistant bacteria, antibiotics, and stewardship. Intensive Care Medicine, 2017, 43, 1187-1197. | 3.9 | 103 |
| 72 | Extracorporeal Membrane Oxygenation for Acute Decompensated Heart Failure. Critical Care Medicine, 2017, 45, 1359-1366. | 0.4 | 66 |

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|---|---|---|---|
| 73 | The Clinical Picture of Severe Systemic Capillary-Leak Syndrome Episodes Requiring ICU Admission. Critical Care Medicine, 2017, 45, 1216-1223. | 0.4 | 56 |
| 74 | New Strategies Targeting Virulence Factors of Staphylococcus aureus and Pseudomonas aeruginosa. Seminars in Respiratory and Critical Care Medicine, 2017, 38, 346-358. | 0.8 | 11 |
| 75 | Life-threatening massive pulmonary embolism rescued by venoarterial-extracorporeal membrane oxygenation. Critical Care, 2017, 21, 76. | 2.5 | 152 |
| 76 | Co-infection in severe influenza: a new epidemiology?. Intensive Care Medicine, 2017, 43, 107-109. | 3.9 | 4 |
| 77 | Cytomegalovirus Reactivation in Intensive Care Unit Patients. Clinical Pulmonary Medicine, 2016, 23, 11-15. | 0.3 | 1 |
| 78 | Can we improve clinical outcomes in patients with pneumonia treated with antibiotics in the intensive care unit?. Expert Review of Respiratory Medicine, 2016, 10, 907-918. | 1.0 | 10 |
| 79 | Venoarterial extracorporeal membrane oxygenation for refractory cardiogenic shock post-cardiac arrest. Intensive Care Medicine, 2016, 42, 1999-2007. | 3.9 | 78 |
| 80 | Understanding resistance. Intensive Care Medicine, 2016, 42, 2080-2083. | 3.9 | 7 |
| 81 | Pharmacodynamics of carbapenems for the treatment ofPseudomonas aeruginosaventilator-associated pneumonia: associations with clinical outcome and recurrence. Journal of Antimicrobial Chemotherapy, 2016, 71, 2534-2537. | 1.3 | 26 |
| 82 | Brain injury during venovenous extracorporeal membrane oxygenation. Intensive Care Medicine, 2016, 42, 897-907. | 3.9 | 200 |
| 83 | Does this patient have VAP?. Intensive Care Medicine, 2016, 42, 1159-1163. | 3.9 | 30 |
| 84 | The ENCOURAGE mortality risk score and analysis of long-term outcomes after VA-ECMO for acute myocardial infarction with cardiogenic shock. Intensive Care Medicine, 2016, 42, 370-378. | 3.9 | 348 |
| 85 | Whatâ€™s new in myocarditis?. Intensive Care Medicine, 2016, 42, 1055-1057. | 3.9 | 5 |
| 86 | Ventilator-Associated Pneumonia. , 2016, , 583-592.e5. | | 0 |
| 87 | Procalcitonin to guide antibiotic therapy in the ICU. International Journal of Antimicrobial Agents, 2015, 46, S19-S24. | 1.1 | 59 |
| 88 | Etiologies, clinical features and outcome of cardiac arrest in HIV-infected patients. International Journal of Cardiology, 2015, 201, 302-307. | 0.8 | 15 |
| 89 | Treating HSV and CMV reactivations in critically ill patients who are not immunocompromised: pro. Intensive Care Medicine, 2014, 40, 1945-1949. | 3.9 | 28 |
| 90 | Antibiotic stewardship in the intensive care unit. Critical Care, 2014, 18, 480. | 2.5 | 252 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Impact of Red Blood Cell Transfusion on Platelet Aggregation and Inflammatory Response in Anemic Coronary and Noncoronary Patients. Journal of the American College of Cardiology, 2014, 63, 1289-1296. | 1.2 | 78 |
| 92 | The PRESERVE mortality risk score and analysis of long-term outcomes after extracorporeal membrane oxygenation for severe acute respiratory distress syndrome. Intensive Care Medicine, 2013, 39, 1704-1713. | 3.9 | 454 |
| 93 | Delivering antibiotics to the lungs of patients with ventilator-associated pneumonia: an update. Expert Review of Anti-Infective Therapy, 2013, 11, 511-521. | 2.0 | 28 |
| 94 | Long-term Outcomes of Pandemic 2009 Influenza A(H1N1)-Associated Severe ARDS. Chest, 2012, 142, 583-592. | 0.4 | 199 |
| 95 | BAY41-6551 achieves bactericidal tracheal aspirate amikacin concentrations in mechanically ventilated patients with Gram-negative pneumonia. Intensive Care Medicine, 2012, 38, 263-271. | 3.9 | 144 |
| 96 | Diffusion Tensor Imaging to Predict Long-term Outcome after Cardiac Arrest. Anesthesiology, 2012, 117, 1311-1321. | 1.3 | 102 |
| 97 | Biomarkers to Optimize Antibiotic Therapy for Pneumonia Due To Multidrug-Resistant Pathogens. Clinics in Chest Medicine, 2011, 32, 431-438. | 0.8 | 8 |
| 98 | Pharmacokinetics and Tolerability of Amikacin Administered as BAY41-6551 Aerosol in Mechanically Ventilated Patients with Gram-Negative Pneumonia and Acute Renal Failure. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2011, 24, 183-190. | 0.7 | 32 |
| 99 | Outcomes, long-term quality of life, and psychologic assessment of fulminant myocarditis patients rescued by mechanical circulatory support*. Critical Care Medicine, 2011, 39, 1029-1035. | 0.4 | 197 |
| 100 | Predictors of successful extracorporeal membrane oxygenation (ECMO) weaning after assistance for refractory cardiogenic shock. Intensive Care Medicine, 2011, 37, 1738-1745. | 3.9 | 274 |
| 101 | Value of the Serum Procalcitonin Level to Guide Antimicrobial Therapy for Patients with Ventilator-Associated Pneumonia. Seminars in Respiratory and Critical Care Medicine, 2011, 32, 181-187. | 0.8 | 20 |
| 102 | Plasma Procalcitonin: Another Arrow in Our Quiver?. Respiratory Care, 2011, 56, 530-532. | 0.8 | 5 |
| 103 | Other Therapeutic Modalities and Practices: Implications for Clinical Trials of Hospitalâ€Acquired or Ventilatorâ€Associated Pneumonia. Clinical Infectious Diseases, 2010, 51, S54-S58. | 2.9 | 8 |
| 104 | Use of procalcitonin to reduce patients' exposure to antibiotics in intensive care units (PRORATA) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 | 6.3 | 1,029 |
| 105 | Pharmacokinetics and lung delivery of PDDS-aerosolized amikacin (NKTR-061) in intubated and mechanically ventilated patients with nosocomial pneumonia. Critical Care, 2009, 13, R200. | 2.5 | 114 |
| 106 | Usefulness of procalcitonin for the diagnosis of ventilator-associated pneumonia. Intensive Care Medicine, 2008, 34, 1434-1440. | 3.9 | 129 |
| 107 | Outcomes and long-term quality-of-life of patients supported by extracorporeal membrane oxygenation for refractory cardiogenic shock*. Critical Care Medicine, 2008, 36, 1404-1411. | 0.4 | 554 |
| 108 | Early predictors for infection recurrence and death in patients with ventilator-associated pneumonia. Critical Care Medicine, 2007, 35, 146-154. | 0.4 | 141 |

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|---|---|---|---|
| 109 | Herpes Simplex Virus Lung Infection in Patients Undergoing Prolonged Mechanical Ventilation. American Journal of Respiratory and Critical Care Medicine, 2007, 175, 935-942. | 2.5 | 299 |
| 110 | New diagnostic and prognostic markers of ventilator-associated pneumonia. Current Opinion in Critical Care, 2006, 12, 446-451. | 1.6 | 25 |
| 111 | Procalcitonin Kinetics as a Prognostic Marker of Ventilator-associated Pneumonia. American Journal of Respiratory and Critical Care Medicine, 2005, 171, 48-53. | 2.5 | 275 |
| 112 | Value of the clinical pulmonary infection score for the identification and management of ventilator-associated pneumonia. Intensive Care Medicine, 2004, 30, 844-852. | 3.9 | 146 |
| 113 | Acute Respiratory Distress Syndrome and Pneumonia. , 0, , 235-243. | | 0 |
| 114 | Inhaled antibiotics in critical care. , 0, , 80-96. | | 0 |