

Charles-Edouard Luyt

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

9,867
citations

57758

44
h-index

38395

95
g-index

118
all docs

118
docs citations

118
times ranked

11935
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of procalcitonin to reduce patients' exposure to antibiotics in intensive care units (PRORATA) Tj ETQq1 1 0.784314 rgBT /Overlode	13.7	1,029
2	IgA dominates the early neutralizing antibody response to SARS-CoV-2. Science Translational Medicine, 2021, 13, .	12.4	840
3	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.	0.9	554
4	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.	8.2	454
5	Ventilator-associated pneumonia in adults: a narrative review. Intensive Care Medicine, 2020, 46, 888-906.	8.2	361
6	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, .	11.9	357
7	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.	8.2	348
8	Herpes Simplex Virus Lung Infection in Patients Undergoing Prolonged Mechanical Ventilation. American Journal of Respiratory and Critical Care Medicine, 2007, 175, 935-942.	5.6	299
9	Procalcitonin Kinetics as a Prognostic Marker of Ventilator-associated Pneumonia. American Journal of Respiratory and Critical Care Medicine, 2005, 171, 48-53.	5.6	275
10	Predictors of successful extracorporeal membrane oxygenation (ECMO) weaning after assistance for refractory cardiogenic shock. Intensive Care Medicine, 2011, 37, 1738-1745.	8.2	274
11	Antibiotic stewardship in the intensive care unit. Critical Care, 2014, 18, 480.	5.8	252
12	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.	8.2	237
13	Human genetic and immunological determinants of critical COVID-19 pneumonia. Nature, 2022, 603, 587-598.	27.8	216
14	Brain injury during venovenous extracorporeal membrane oxygenation. Intensive Care Medicine, 2016, 42, 897-907.	8.2	200
15	Long-term Outcomes of Pandemic 2009 Influenza A(H1N1)-Associated Severe ARDS. Chest, 2012, 142, 583-592.	0.8	199
16	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.	0.9	197
17	Life-threatening massive pulmonary embolism rescued by venoarterial-extracorporeal membrane oxygenation. Critical Care, 2017, 21, 76.	5.8	152
18	Value of the clinical pulmonary infection score for the identification and management of ventilator-associated pneumonia. Intensive Care Medicine, 2004, 30, 844-852.	8.2	146

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19	BAY41-6551 achieves bactericidal tracheal aspirate amikacin concentrations in mechanically ventilated patients with Gram-negative pneumonia. <i>Intensive Care Medicine</i> , 2012, 38, 263-271.	8.2	144
20	Early predictors for infection recurrence and death in patients with ventilator-associated pneumonia. <i>Critical Care Medicine</i> , 2007, 35, 146-154.	0.9	141
21	Usefulness of procalcitonin for the diagnosis of ventilator-associated pneumonia. <i>Intensive Care Medicine</i> , 2008, 34, 1434-1440.	8.2	129
22	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
23	Pharmacokinetics and lung delivery of PDDS-aerosolized amikacin (NKTR-061) in intubated and mechanically ventilated patients with nosocomial pneumonia. <i>Critical Care</i> , 2009, 13, R200.	5.8	114
24	The risk of COVID-19 death is much greater and age dependent with type I IFN autoantibodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2200413119.	7.1	110
25	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
26	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
27	The intensive care medicine research agenda on multidrug-resistant bacteria, antibiotics, and stewardship. <i>Intensive Care Medicine</i> , 2017, 43, 1187-1197.	8.2	103
28	Diffusion Tensor Imaging to Predict Long-term Outcome after Cardiac Arrest. <i>Anesthesiology</i> , 2012, 117, 1311-1321.	2.5	102
29	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.	5.6	95
30	Ischemic and hemorrhagic brain injury during venoarterial-extracorporeal membrane oxygenation. <i>Annals of Intensive Care</i> , 2018, 8, 129.	4.6	91
31	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
32	Healthcare-associated infections in adult intensive care unit patients: Changes in epidemiology, diagnosis, prevention and contributions of new technologies. <i>Intensive and Critical Care Nursing</i> , 2022, 70, 103227.	2.9	80
33	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
34	Venoarterial extracorporeal membrane oxygenation for refractory cardiogenic shock post-cardiac arrest. <i>Intensive Care Medicine</i> , 2016, 42, 1999-2007.	8.2	78
35	Microbial cause of ICU-acquired pneumonia: hospital-acquired pneumonia versus ventilator-associated pneumonia. <i>Current Opinion in Critical Care</i> , 2018, 24, 332-338.	3.2	78
36	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

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37	Pulmonary infections complicating ARDS. <i>Intensive Care Medicine</i> , 2020, 46, 2168-2183.	8.2	69
38	Relationship between ventilator-associated pneumonia and mortality in COVID-19 patients: a planned ancillary analysis of the coVAPid cohort. <i>Critical Care</i> , 2021, 25, 177.	5.8	69
39	Extracorporeal Membrane Oxygenation for Acute Decompensated Heart Failure. <i>Critical Care Medicine</i> , 2017, 45, 1359-1366.	0.9	66
40	Plasma Exchange to Rescue Patients with Autoantibodies Against Type I Interferons and Life-Threatening COVID-19 Pneumonia. <i>Journal of Clinical Immunology</i> , 2021, 41, 536-544.	3.8	62
41	Procalcitonin to guide antibiotic therapy in the ICU. <i>International Journal of Antimicrobial Agents</i> , 2015, 46, S19-S24.	2.5	59
42	The challenge of ventilator-associated pneumonia diagnosis in COVID-19 patients. <i>Critical Care</i> , 2020, 24, 289.	5.8	57
43	The Clinical Picture of Severe Systemic Capillary-Leak Syndrome Episodes Requiring ICU Admission. <i>Critical Care Medicine</i> , 2017, 45, 1216-1223.	0.9	56
44	Influenza Infections and Emergent Viral Infections in Intensive Care Unit. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2019, 40, 488-497.	2.1	54
45	Evolving outcomes of extracorporeal membrane oxygenation support for severe COVID-19 ARDS in Sorbonne hospitals, Paris. <i>Critical Care</i> , 2021, 25, 355.	5.8	50
46	Diagnostic and therapeutic approach to infectious diseases in solid organ transplant recipients. <i>Intensive Care Medicine</i> , 2019, 45, 573-591.	8.2	48
47	Distinct cytokine profiles associated with COVID-19 severity and mortality. <i>Journal of Allergy and Clinical Immunology</i> , 2021, 147, 2098-2107.	2.9	47
48	Acyclovir for Mechanically Ventilated Patients With Herpes Simplex Virus Oropharyngeal Reactivation. <i>JAMA Internal Medicine</i> , 2020, 180, 263.	5.1	46
49	Co-infection of SARS-CoV-2 with other respiratory viruses and performance of lower respiratory tract samples for the diagnosis of COVID-19. <i>International Journal of Infectious Diseases</i> , 2021, 102, 10-13.	3.3	46
50	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
51	Comparison of 8 versus 15 days of antibiotic therapy for <i>Pseudomonas aeruginosa</i> ventilator-associated pneumonia in adults: a randomized, controlled, open-label trial. <i>Intensive Care Medicine</i> , 2022, 48, 841-849.	8.2	43
52	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. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2018, 37, 281-294.	1.4	37
53	Pharmacokinetics and Tolerability of Amikacin Administered as BAY41-6551 Aerosol in Mechanically Ventilated Patients with Gram-Negative Pneumonia and Acute Renal Failure. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , 2011, 24, 183-190.	1.4	32
54	Brief summary of French guidelines for the prevention, diagnosis and treatment of hospital-acquired pneumonia in ICU. <i>Annals of Intensive Care</i> , 2018, 8, 104.	4.6	32

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55	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
56	When the heart gets the flu. <i>Journal of Critical Care</i> , 2018, 47, 61-64.	2.2	31
57	Does this patient have VAP?. <i>Intensive Care Medicine</i> , 2016, 42, 1159-1163.	8.2	30
58	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
59	Treating HSV and CMV reactivations in critically ill patients who are not immunocompromised: pro. <i>Intensive Care Medicine</i> , 2014, 40, 1945-1949.	8.2	28
60	Pharmacodynamics of carbapenems for the treatment of <i>Pseudomonas aeruginosa</i> ventilator-associated pneumonia: associations with clinical outcome and recurrence. <i>Journal of Antimicrobial Chemotherapy</i> , 2016, 71, 2534-2537.	3.0	26
61	New diagnostic and prognostic markers of ventilator-associated pneumonia. <i>Current Opinion in Critical Care</i> , 2006, 12, 446-451.	3.2	25
62	Predictors of insufficient peak amikacin concentration in critically ill patients on extracorporeal membrane oxygenation. <i>Critical Care</i> , 2018, 22, 199.	5.8	24
63	SARS-CoV-2 Induces Acute and Refractory Relapse of Systemic Capillary Leak Syndrome (Clarkson's) Tj ETQq1 1 0.784314 rgBT /Over 1.5 24		
64	Preemptive ganciclovir for mechanically ventilated patients with cytomegalovirus reactivation. <i>Annals of Intensive Care</i> , 2021, 11, 33.	4.6	24
65	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. <i>Critical Care</i> , 2020, 24, 584.	5.8	22
66	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
67	Long-Term Disabilities of Survivors of Out-of-Hospital Cardiac Arrest. <i>Chest</i> , 2021, 159, 699-711.	0.8	21
68	Value of the Serum Procalcitonin Level to Guide Antimicrobial Therapy for Patients with Ventilator-Associated Pneumonia. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2011, 32, 181-187.	2.1	20
69	Characteristics and prognosis of bloodstream infection in patients with COVID-19 admitted in the ICU: an ancillary study of the COVID-ICU study. <i>Annals of Intensive Care</i> , 2021, 11, 183.	4.6	20
70	Awake venoarterial extracorporeal membrane oxygenation for refractory cardiogenic shock. <i>European Heart Journal: Acute Cardiovascular Care</i> , 2021, 10, 585-594.	1.0	18
71	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
72	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.	0.6	17

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73	Extracorporeal Membrane Oxygenation to Support Life-Threatening Drug-Refractory Electrical Storm. <i>Critical Care Medicine</i> , 2020, 48, e856-e863.	0.9	16
74	One-Year Outcome of Critically Ill Patients With Systemic Rheumatic Disease. <i>Chest</i> , 2020, 158, 1017-1026.	0.8	16
75	CD8+PD-L1+CXCR3+ polyfunctional T cell abundances are associated with survival in critical SARS-CoV-2â€“infected patients. <i>JCI Insight</i> , 2021, 6, .	5.0	16
76	Etiologies, clinical features and outcome of cardiac arrest in HIV-infected patients. <i>International Journal of Cardiology</i> , 2015, 201, 302-307.	1.7	15
77	Use of non-carbapenem antibiotics to treat severe extended-spectrum Î²-lactamase-producing Enterobacteriaceae infections in intensive care unit patients. <i>International Journal of Antimicrobial Agents</i> , 2019, 53, 547-552.	2.5	12
78	Mechanical thrombectomy in acute ischemic stroke patients under venoarterial extracorporeal membrane oxygenation. <i>Journal of NeuroInterventional Surgery</i> , 2020, 12, 486-488.	3.3	12
79	In-Hospital Mortality-Associated Factors in Patients With Thrombotic Antiphospholipid Syndrome Requiring ICU Admission. <i>Chest</i> , 2020, 157, 1158-1166.	0.8	12
80	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
81	New Strategies Targeting Virulence Factors of <i>Staphylococcus aureus</i> and <i>Pseudomonas aeruginosa</i> . <i>Seminars in Respiratory and Critical Care Medicine</i> , 2017, 38, 346-358.	2.1	11
82	Extensive Myocardial Calcification in Critically Ill Patients. <i>Critical Care Medicine</i> , 2018, 46, e702-e706.	0.9	11
83	Occurrence of Candidemia in Patients with COVID-19 Admitted to Five ICUs in France. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 678.	3.5	11
84	Can we improve clinical outcomes in patients with pneumonia treated with antibiotics in the intensive care unit?. <i>Expert Review of Respiratory Medicine</i> , 2016, 10, 907-918.	2.5	10
85	Aerosol Therapy for Pneumonia in the Intensive Care Unit. <i>Clinics in Chest Medicine</i> , 2018, 39, 823-836.	2.1	10
86	Epidemiology of post-influenza bacterial pneumonia due to Pantonâ€“Valentine leucocidin positive <i>Staphylococcus aureus</i> in intensive care units: a retrospective nationwide study. <i>Intensive Care Medicine</i> , 2019, 45, 1312-1314.	8.2	10
87	Pre-COVID-19 Immunity to Common Cold Human Coronaviruses Induces a Recall-Type IgG Response to SARS-CoV-2 Antigens Without Cross-Neutralisation. <i>Frontiers in Immunology</i> , 2022, 13, 790334.	4.8	10
88	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
89	Other Therapeutic Modalities and Practices: Implications for Clinical Trials of Hospitalâ€“Acquired or Ventilatorâ€“Associated Pneumonia. <i>Clinical Infectious Diseases</i> , 2010, 51, S54-S58.	5.8	8
90	Biomarkers to Optimize Antibiotic Therapy for Pneumonia Due To Multidrug-Resistant Pathogens. <i>Clinics in Chest Medicine</i> , 2011, 32, 431-438.	2.1	8

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91	Transvenous Renal Biopsy of Critically Ill Patients: Safety and Diagnostic Yield. <i>Critical Care Medicine</i> , 2019, 47, 386-392.	0.9	8
92	Understanding resistance. <i>Intensive Care Medicine</i> , 2016, 42, 2080-2083.	8.2	7
93	CAPS criteria fail to identify most severely-ill thrombotic antiphospholipid syndrome patients requiring intensive care unit admission. <i>Journal of Autoimmunity</i> , 2019, 103, 102292.	6.5	7
94	Emergency Abdominal Surgery Outcomes of Critically Ill Patients on Extracorporeal Membrane Oxygenation: A Caseâ€Matched Study with a Propensity Score Analysis. <i>World Journal of Surgery</i> , 2019, 43, 1474-1482.	1.6	7
95	Renal replacement therapy in extra-corporeal membrane oxygenation patients: A survey of practices and new insights for future studies. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2021, 40, 100971.	1.4	7
96	The consequences of COVID-19 pandemic on patients with monoclonal gammopathyâ€associated systemic capillary leak syndrome (Clarkson disease). <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2022, 10, 626-629.	3.8	6
97	Plasma Procalcitonin: Another Arrow in Our Quiver?. <i>Respiratory Care</i> , 2011, 56, 530-532.	1.6	5
98	Whatâ€s new in myocarditis?. <i>Intensive Care Medicine</i> , 2016, 42, 1055-1057.	8.2	5
99	Severe Viral Myopericarditis With Autoantibodies Directed Against RNA Polymerase III. <i>Annals of Internal Medicine</i> , 2020, 172, 502.	3.9	5
100	Clarksonâ€s Disease Episode or Secondary Systemic Capillary Leak-Syndrome. <i>Chest</i> , 2021, 159, 441.	0.8	5
101	OUP accepted manuscript. <i>European Journal of Cardio-thoracic Surgery</i> , 2021, , .	1.4	5
102	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
103	Co-infection in severe influenza: a new epidemiology?. <i>Intensive Care Medicine</i> , 2017, 43, 107-109.	8.2	4
104	Handling shock in idiopathic systemic capillary leak syndrome (Clarksonâ€s disease): less is moreâ€ comment. <i>Internal and Emergency Medicine</i> , 2020, 15, 347-348.	2.0	3
105	Prognostic value of electroencephalographic paroxysms in post-anoxic coma: A new regularity EEG-based score. <i>Neurophysiologie Clinique</i> , 2022, , .	2.2	2
106	Cytomegalovirus Reactivation in Intensive Care Unit Patients. <i>Clinical Pulmonary Medicine</i> , 2016, 23, 11-15.	0.3	1
107	Acute Respiratory Distress Syndrome and Pneumonia. , 0, , 235-243.		0
108	Ventilator-Associated Pneumonia. , 2016, , 583-592.e5.		0

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109	Response. Chest, 2020, 158, 429-430.	0.8	0
110	Response. Chest, 2021, 159, 1303-1304.	0.8	0
111	Electrical Impedance Tomography Monitoring of Bronchoalveolar Lavage in Patients With Acute Respiratory Distress Syndrome. Critical Care Medicine, 2021, Publish Ahead of Print, .	0.9	0
112	Inhaled antibiotics in critical care. , 0, , 80-96.		0
113	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.	1.0	0
114	Monocyte: A New Player in the Pathophysiology of Herpes Simplex Virus Reactivation in ICU Patients?. American Journal of Respiratory and Critical Care Medicine, 2022, , .	5.6	0